

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066464.D
 Acq On : 28 Aug 2020 17:12
 Operator : VA/SY
 Sample : L3827-09MSD
 Misc : 6.70G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MSD

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:58:37 AM

Quant Time: Aug 29 02:31:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	157523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	214376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	198933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	107241	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	85504	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
35) Dibromofluoromethane	7.91	113	67983	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	10.34	98	248803	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.63	95	90781	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	60224	44.971	ug/l	98
3) Chloromethane	2.20	50	38192	40.234	ug/l	96
4) Vinyl Chloride	2.34	62	45314	44.461	ug/l	97
5) Bromomethane	2.76	94	39258	51.497	ug/l	96
6) Chloroethane	2.91	64	30841	47.257	ug/l	92
7) Trichlorofluoromethane	3.26	101	150617	54.346	ug/l	99
8) Diethyl Ether	3.70	74	29050	46.782	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.09	101	65651	48.000	ug/l	98
10) Methyl Iodide	4.30	142	70725	45.338	ug/l	94
11) Tert butyl alcohol	5.21	59	27827	328.040	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	60160	46.859	ug/l	87
13) Acrolein	3.92	56	10057	146.649	ug/l	100
14) Allyl chloride	4.71	41	70731	41.275	ug/l #	80
15) Acrylonitrile	5.42	53	55775	223.867	ug/l	97
16) Acetone	4.15	43	62955	226.114	ug/l	92
17) Carbon Disulfide	4.40	76	161045	41.390	ug/l	99
18) Methyl Acetate	4.71	43	22522	43.100	ug/l #	89
19) Methyl tert-butyl Ether	5.47	73	160335	51.865	ug/l	99
20) Methylene Chloride	4.97	84	68758	45.665	ug/l #	85
21) trans-1,2-Dichloroethene	5.47	96	68796	46.033	ug/l	91
22) Diisopropyl ether	6.36	45	137705	41.505	ug/l	88
23) Vinyl Acetate	6.30	43	462484	225.170	ug/l	97
24) 1,1-Dichloroethane	6.26	63	107356	45.788	ug/l	97
25) 2-Butanone	7.21	43	69390	219.535	ug/l	93
26) 2,2-Dichloropropane	7.20	77	132754	52.828	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	78966	49.312	ug/l	99
28) Bromochloromethane	7.54	49	35323	43.737	ug/l	85
29) Tetrahydrofuran	7.56	42	37086	206.575	ug/l	89
30) Chloroform	7.70	83	138779	51.159	ug/l	97
31) Cyclohexane	7.98	56	83631	39.001	ug/l	84
32) 1,1,1-Trichloroethane	7.90	97	151824	54.685	ug/l	99
36) 1,1-Dichloropropene	8.10	75	95076	48.606	ug/l	98
37) Ethyl Acetate	7.29	43	28986	43.570	ug/l #	89
38) Carbon Tetrachloride	8.09	117	152868	59.985	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066464.D
 Acq On : 28 Aug 2020 17:12
 Operator : VA/SY
 Sample : L3827-09MSD
 Misc : 6.70G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MSD

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:58:37 AM

Quant Time: Aug 29 02:31:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	110947	48.150	ug/l	97
40) Benzene	8.35	78	249974	48.579	ug/l	100
41) Methacrylonitrile	7.52	41	17293m	42.151	ug/l	
42) 1,2-Dichloroethane	8.42	62	105090	57.986	ug/l	100
43) Isopropyl Acetate	8.45	43	63045	47.214	ug/l	98
44) Trichloroethene	9.11	130	84786	50.708	ug/l	98
45) 1,2-Dichloropropane	9.38	63	50120	42.964	ug/l	96
46) Dibromomethane	9.47	93	37357	51.433	ug/l	97
47) Bromodichloromethane	9.66	83	110994	55.568	ug/l	95
48) Methyl methacrylate	9.45	41	30831	44.775	ug/l	93
49) 1,4-Dioxane	9.46	88	7857	931.606	ug/l	91
51) 4-Methyl-2-Pentanone	10.22	43	152515	236.102	ug/l	98
52) Toluene	10.40	92	177570	50.935	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	99420	52.455	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	106235	49.936	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	47887	48.701	ug/l	95
56) Ethyl methacrylate	10.66	69	56364	49.517	ug/l #	85
57) 1,3-Dichloropropane	10.94	76	80607	49.560	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	117304	248.129	ug/l	91
59) 2-Hexanone	10.98	43	111145	243.929	ug/l	100
60) Dibromochloromethane	11.14	129	79367	53.549	ug/l	100
61) 1,2-Dibromoethane	11.24	107	48282	49.896	ug/l	96
64) Tetrachloroethene	10.87	164	76679	50.811	ug/l	96
65) Chlorobenzene	11.67	112	204982	51.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	87985	54.398	ug/l	98
67) Ethyl Benzene	11.74	91	362111	51.977	ug/l	94
68) m/p-Xylenes	11.85	106	280445	105.613	ug/l	97
69) o-Xylene	12.18	106	130365	52.773	ug/l	99
70) Styrene	12.19	104	227807	53.708	ug/l	98
71) Bromoform	12.36	173	48340	52.679	ug/l #	100
73) Isopropylbenzene	12.48	105	372401	51.837	ug/l	98
74) N-amyl acetate	12.29	43	59050	45.510	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	45337	44.177	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	40606m	53.822	ug/l	
77) Bromobenzene	12.76	156	93997	51.551	ug/l	96
78) n-propylbenzene	12.82	91	407743	49.500	ug/l	98
79) 2-Chlorotoluene	12.91	91	232853	49.495	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	325800	52.525	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	15762	44.347	ug/l #	77
82) 4-Chlorotoluene	13.01	91	253961	50.951	ug/l	98
83) tert-Butylbenzene	13.23	119	283210	52.567	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	325429	53.416	ug/l	98
85) sec-Butylbenzene	13.40	105	363906	51.553	ug/l	100
86) p-Isopropyltoluene	13.52	119	365880	53.755	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	175399	51.532	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	174431	51.040	ug/l	99
89) n-Butylbenzene	13.84	91	304921	50.766	ug/l	98
90) Hexachloroethane	14.11	117	65822	48.954	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	153783	52.484	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11055	51.361	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
Data File : VD066464.D
Acq On : 28 Aug 2020 17:12
Operator : VA/SY
Sample : L3827-09MSD
Misc : 6.70G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:58:37 AM

Quant Time: Aug 29 02:31:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123219	53.867	ug/l	99
94) Hexachlorobutadiene	15.27	225	79445	55.887	ug/l	98
95) Naphthalene	15.40	128	193579	53.879	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	105231	53.701	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

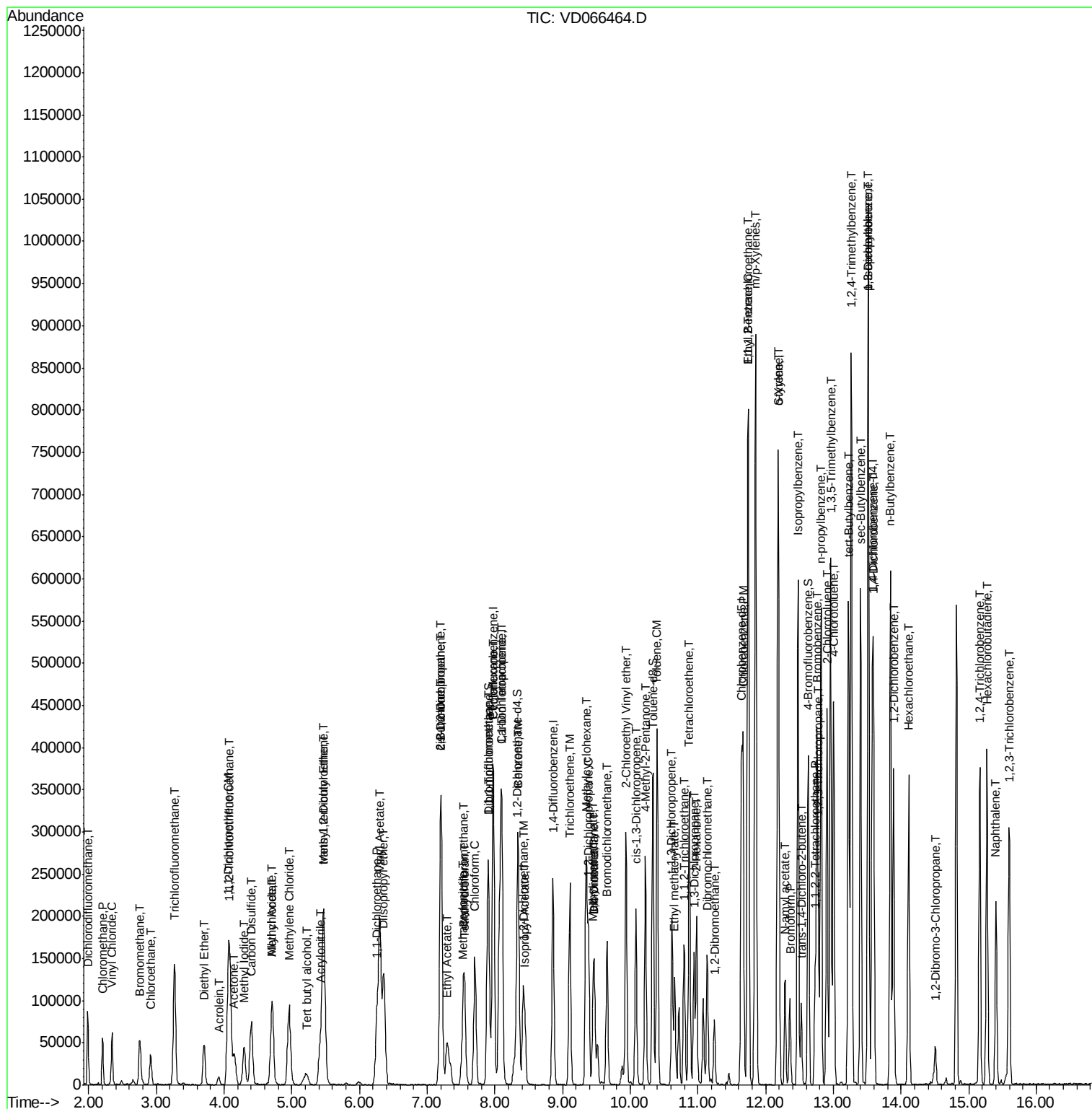
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
Data File : VD066464.D
Acq On : 28 Aug 2020 17:12
Operator : VA/SY
Sample : L3827-09MSD
Misc : 6.70G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

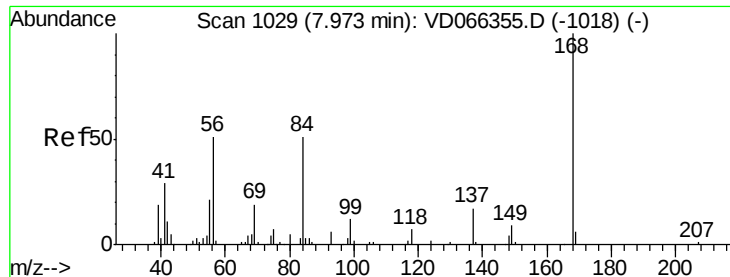
Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:58:37 AM

Quant Time: Aug 29 02:31:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion:168 Resp: 157523

Ion Ratio Lower Upper

168 100

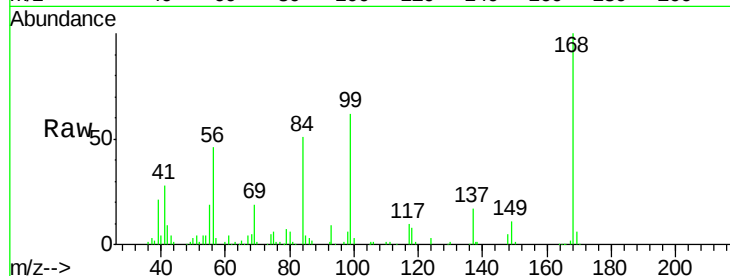
99 62.1 45.4 68.0

Manual Integrations

APPROVED

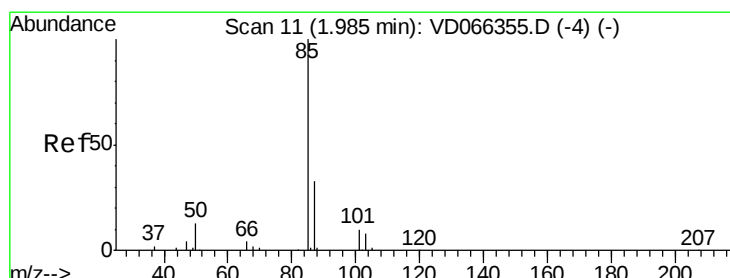
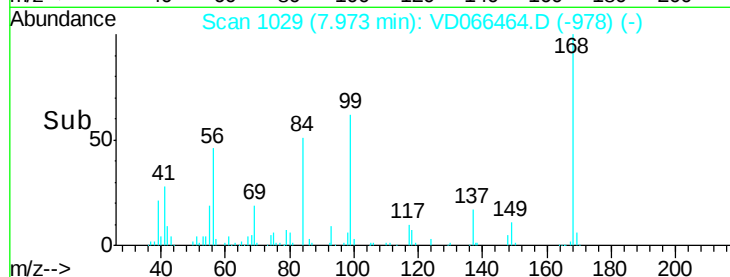
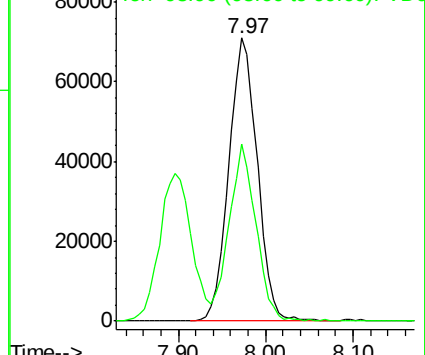
MMDadoda

8/31/2020 11:58:37 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.971 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066464.D

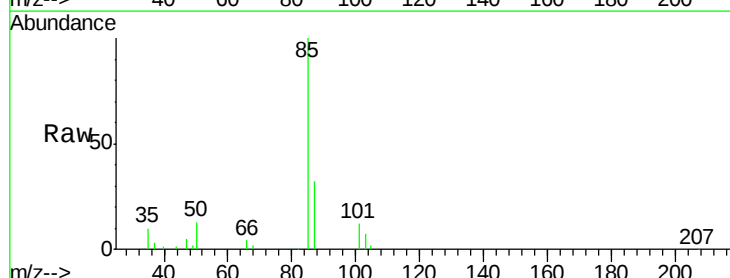
Acq: 28 Aug 2020 17:12

Tgt Ion: 85 Resp: 60224

Ion Ratio Lower Upper

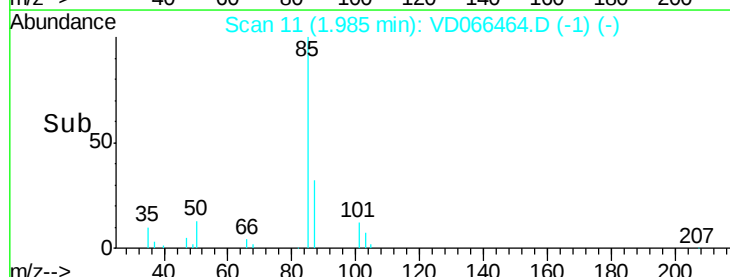
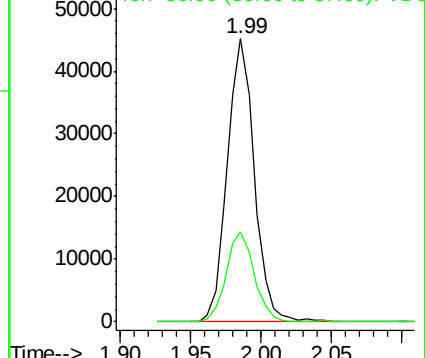
85 100

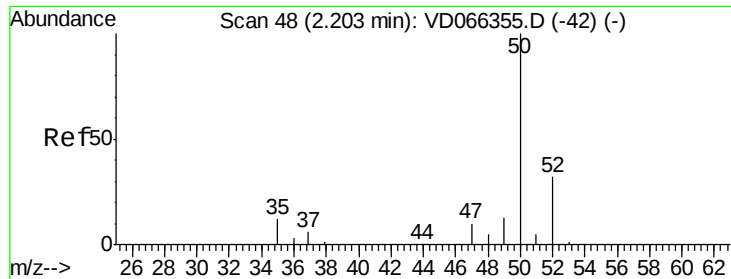
87 31.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.234 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion: 50 Resp: 38192

Ion Ratio Lower Upper

50 100

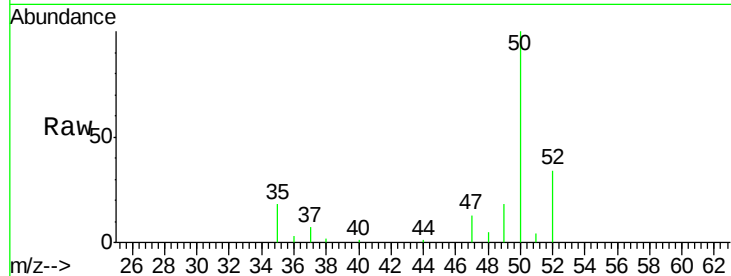
52 34.2 25.7 38.5

Manual Integrations

APPROVED

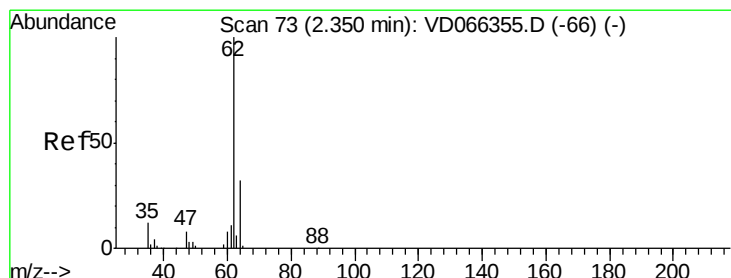
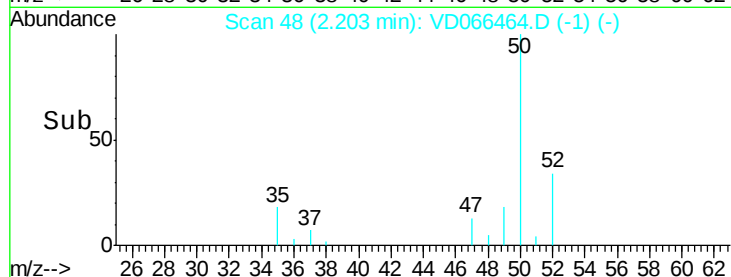
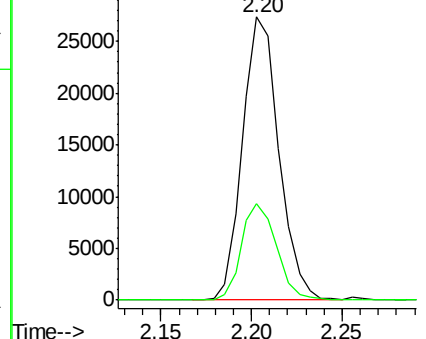
MMDadoda

8/31/2020 11:58:37 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.461 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066464.D

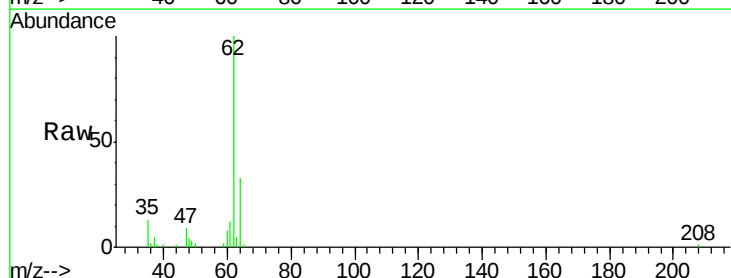
Acq: 28 Aug 2020 17:12

Tgt Ion: 62 Resp: 45314

Ion Ratio Lower Upper

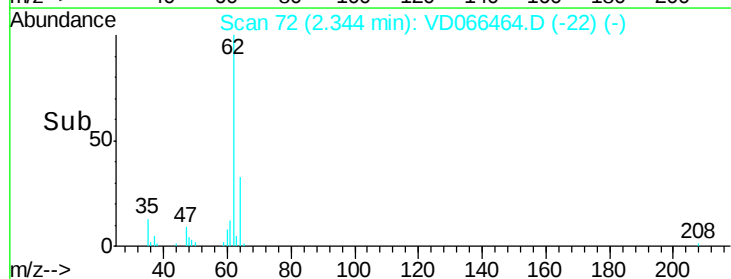
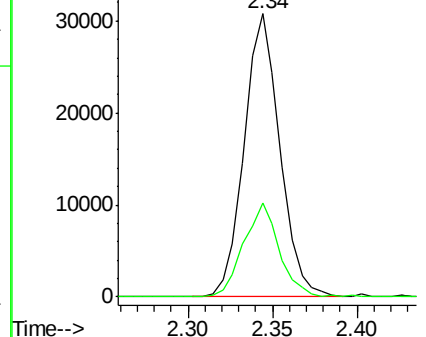
62 100

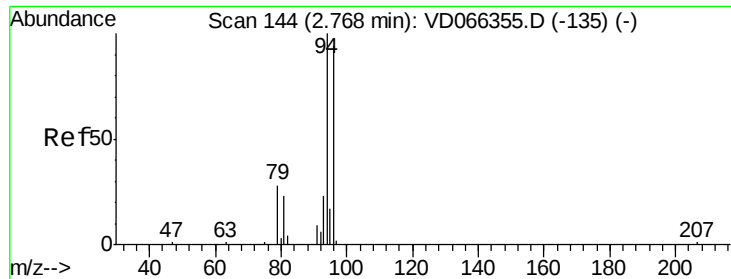
64 33.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 51.497 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion: 94 Resp: 39258

Ion Ratio Lower Upper

94 100

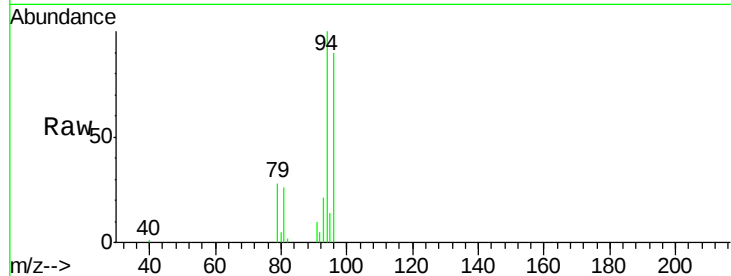
96 90.0 75.0 112.4

Manual Integrations

APPROVED

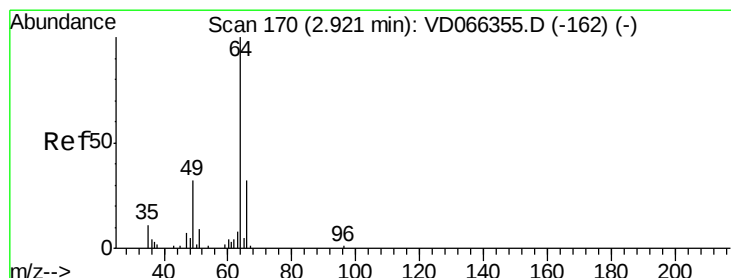
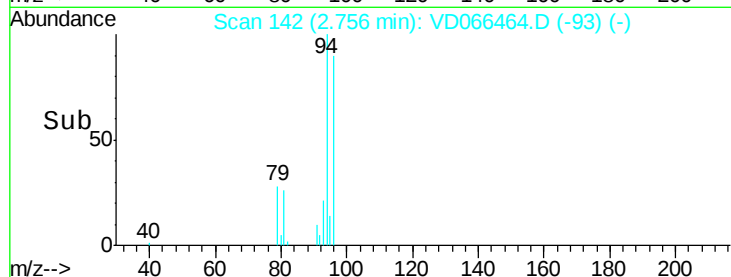
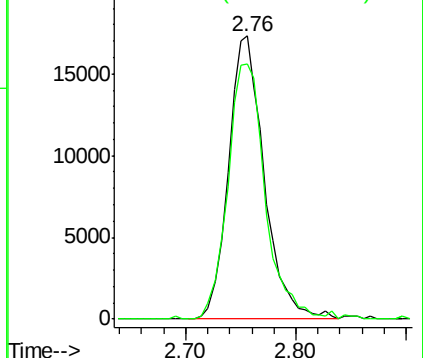
MMDadoda

8/31/2020 11:58:37 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.257 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066464.D

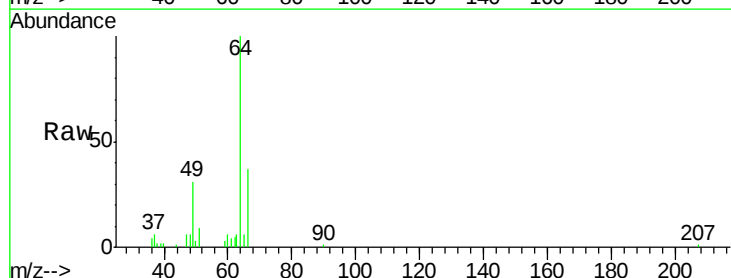
Acq: 28 Aug 2020 17:12

Tgt Ion: 64 Resp: 30841

Ion Ratio Lower Upper

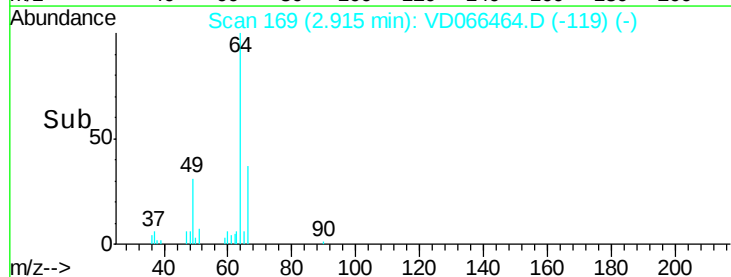
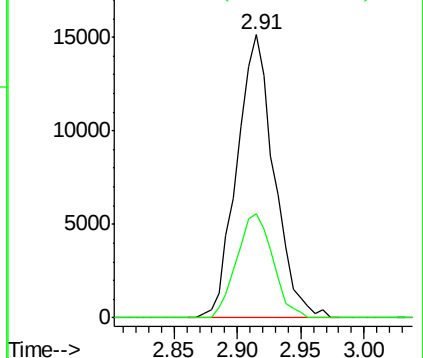
64 100

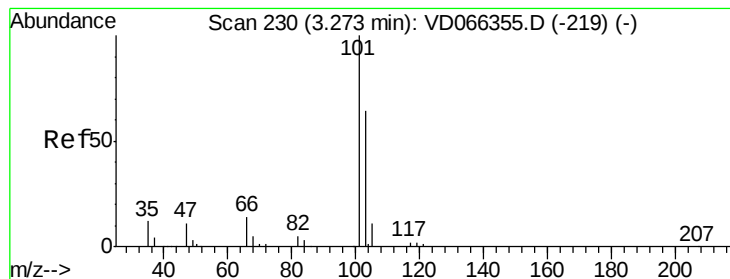
66 36.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

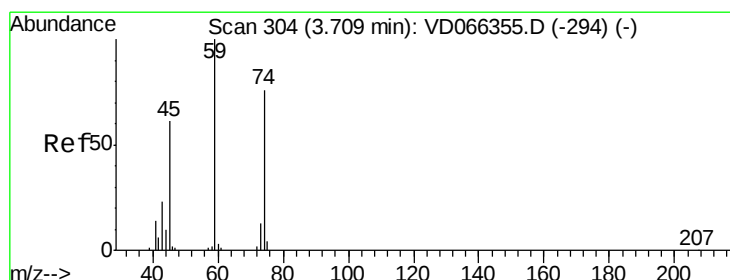
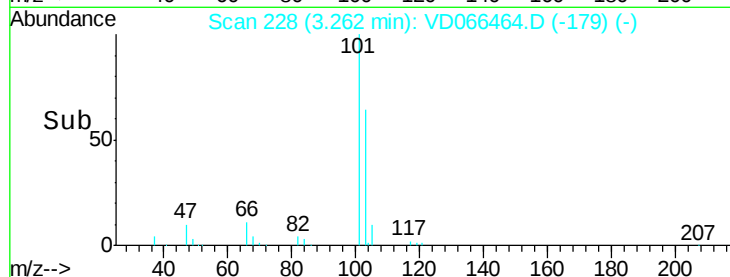
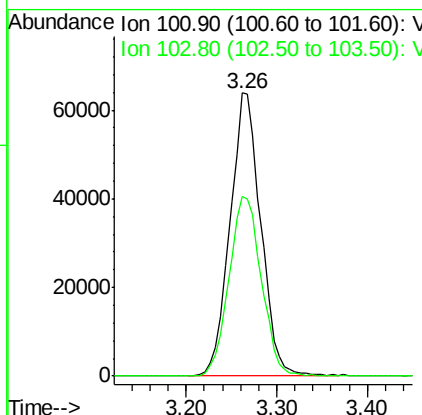
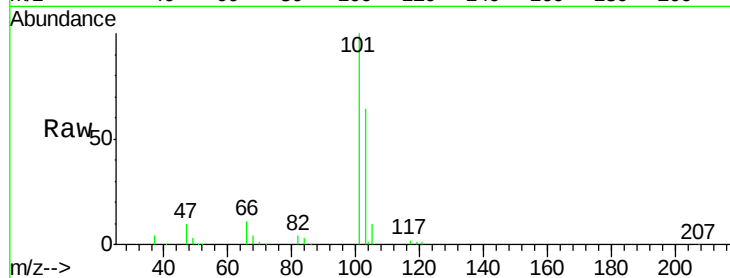
Trichlorofluoromethane
Concen: 54.346 ug/l
RT: 3.26 min Scan# 228
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	150617		
103	63.6	51.4	77.0	

Manual Integrations
APPROVED

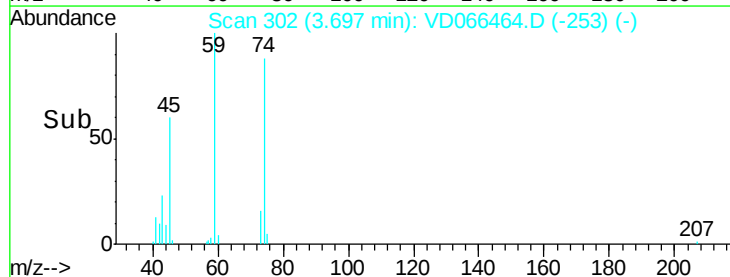
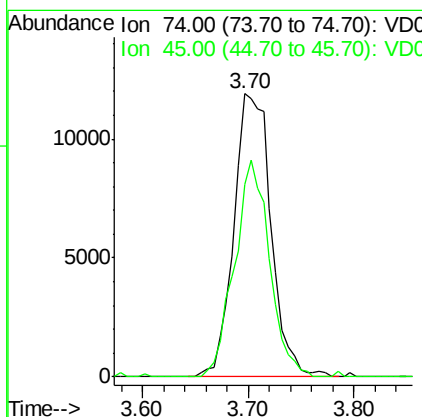
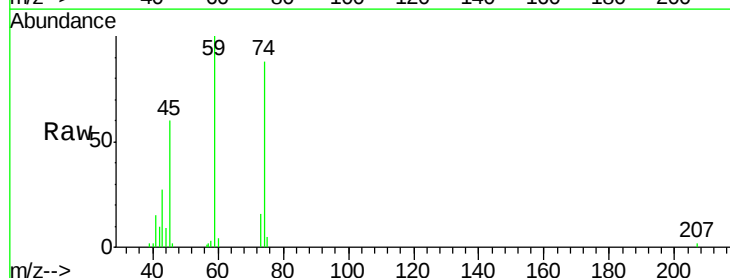
MMDadoda
8/31/2020 11:58:37 AM

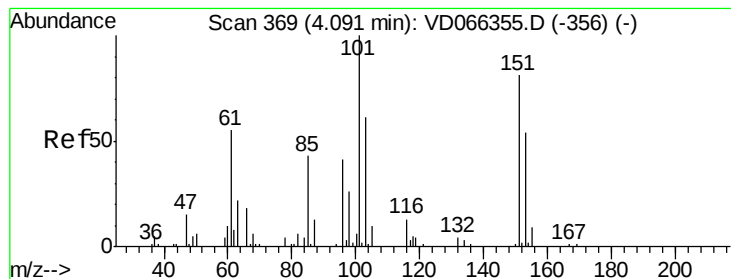


#8

Diethyl Ether
Concen: 46.782 ug/l
RT: 3.70 min Scan# 302
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	29050		
45	72.1	42.8	128.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.000 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

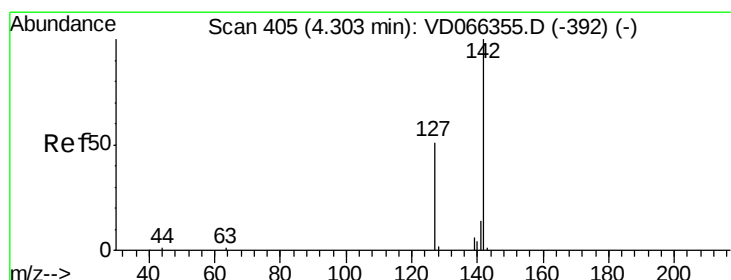
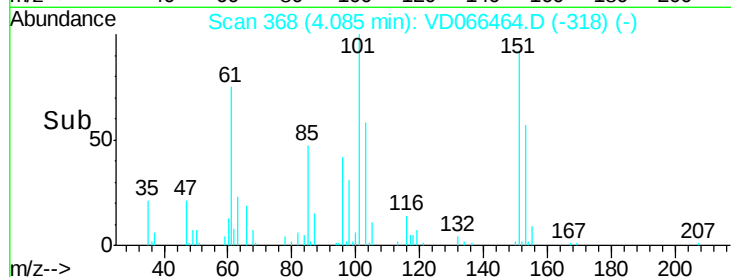
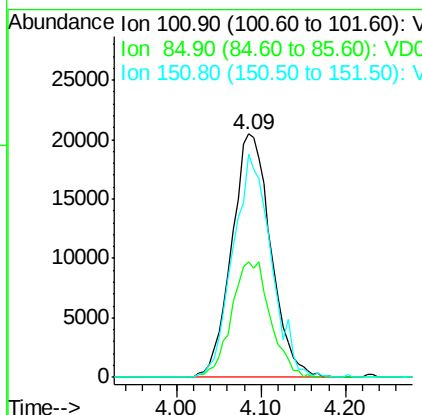
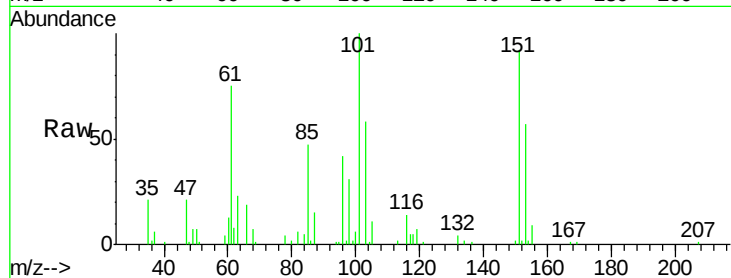
ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion:	101	Resp:	65651
Ion Ratio	Lower	Upper	
101	100		
85	47.2	36.4	54.6
151	89.8	70.5	105.7

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:58:37 AM



#10

Methyl Iodide

Concen: 45.338 ug/l

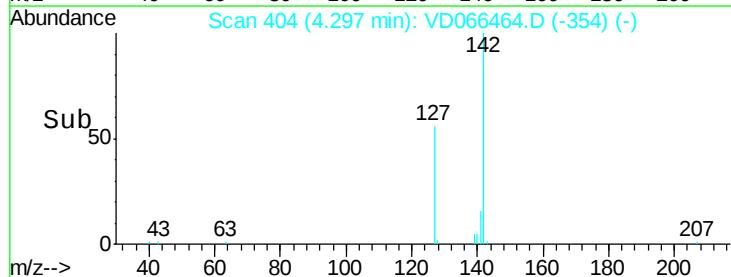
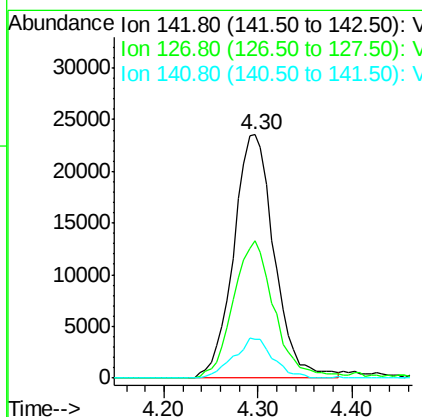
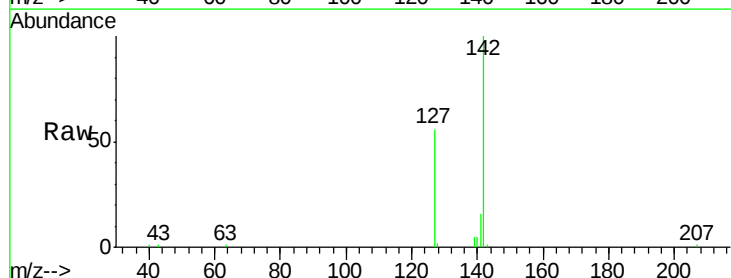
RT: 4.30 min Scan# 404

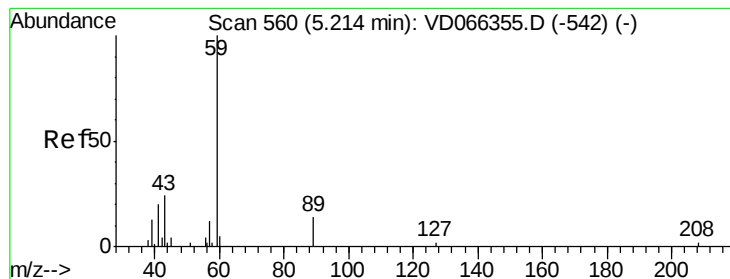
Delta R.T. -0.01 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Tgt Ion:	142	Resp:	70725
Ion Ratio	Lower	Upper	
142	100		
127	56.8	41.8	62.8
141	15.8	11.8	17.6





#11

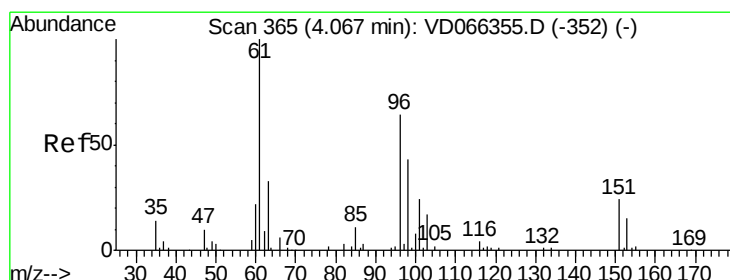
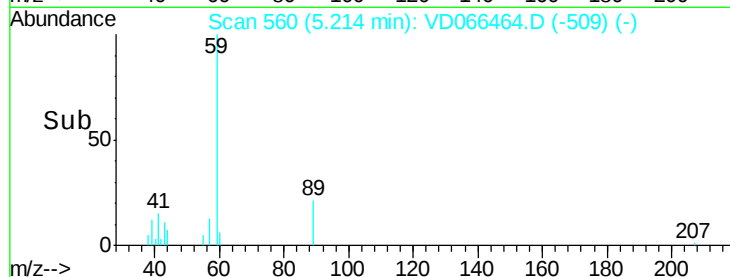
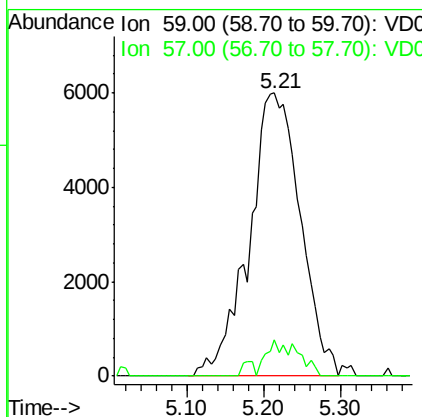
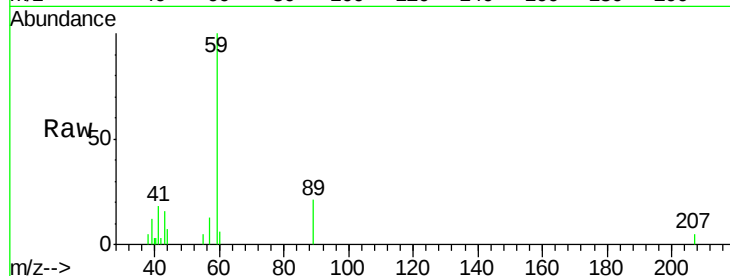
Tert butyl alcohol
 Concen: 328.040 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MSD

Tot Ion: 59 Resp: 27827
 Ion Ratio Lower Upper
 59 100
 57 4.6 9.0 13.4#

Manual Integrations
 APPROVED

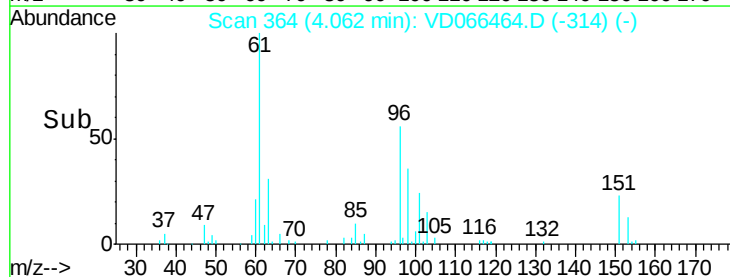
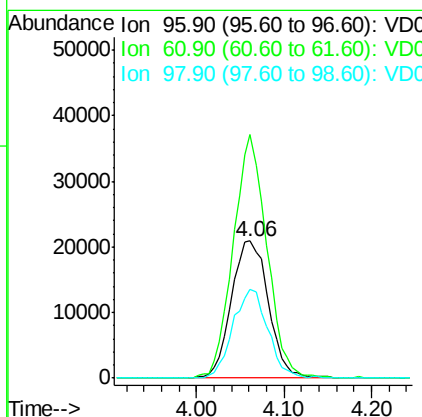
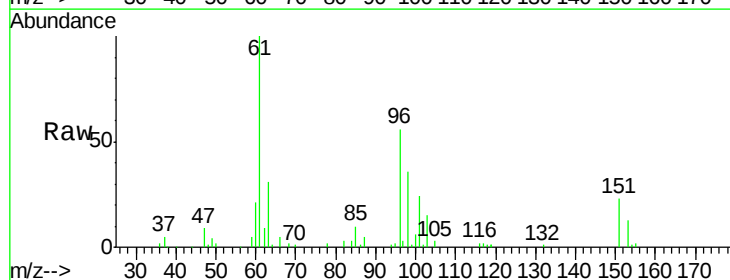
MMDadoda
 8/31/2020 11:58:37 AM

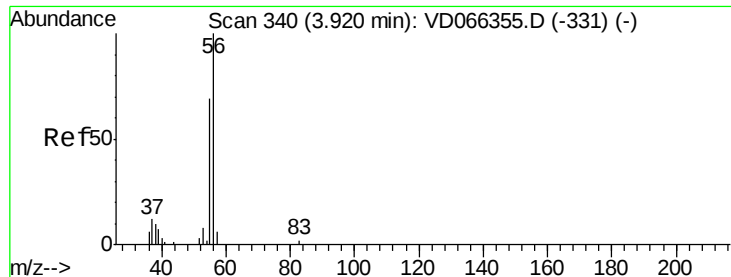


#12

1,1-Dichloroethene
 Concen: 46.859 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Tgt Ion: 96 Resp: 60160
 Ion Ratio Lower Upper
 96 100
 61 177.7 124.3 186.5
 98 64.6 53.2 79.8





#13

Acrolein

Concen: 146.649 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion: 56 Resp: 10057

Ion Ratio Lower Upper

56 100

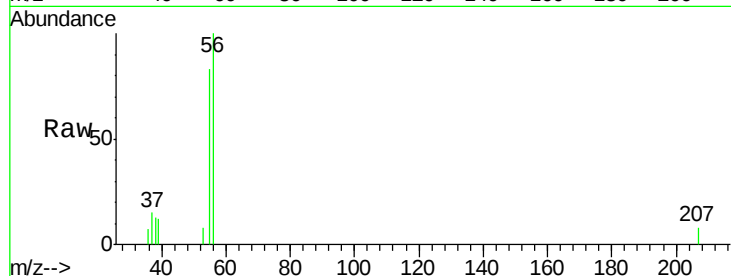
55 69.7 55.5 83.3

Manual Integrations

APPROVED

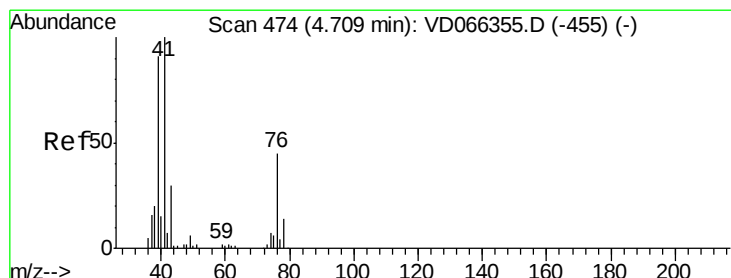
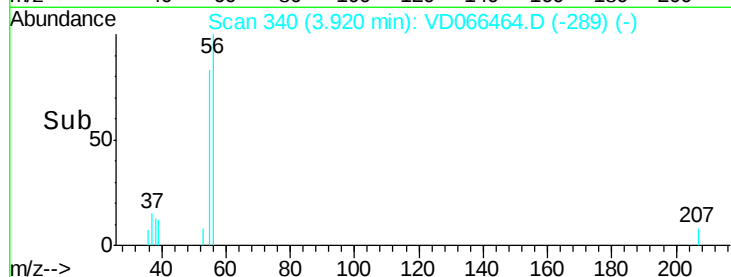
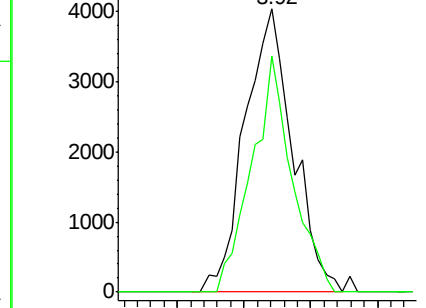
MMDadoda

8/31/2020 11:58:37 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 41.275 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

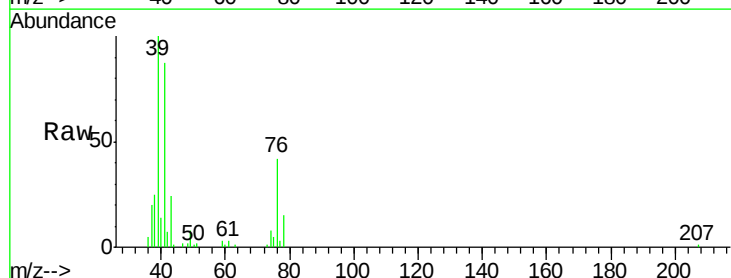
Tgt Ion: 41 Resp: 70731

Ion Ratio Lower Upper

41 100

39 114.6 72.8 109.2#

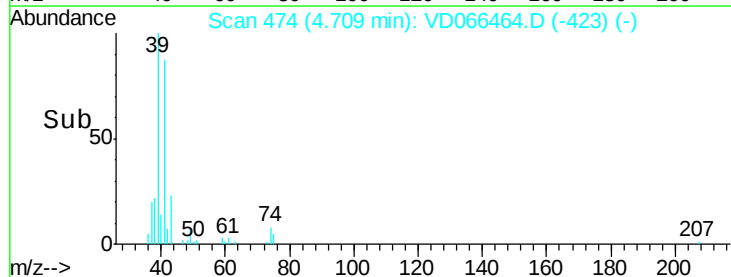
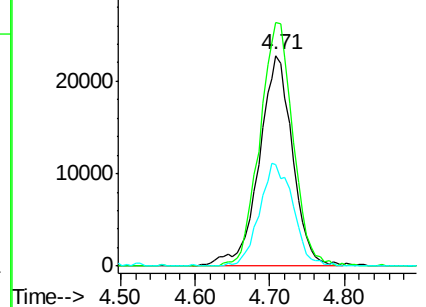
76 49.2 34.0 51.0

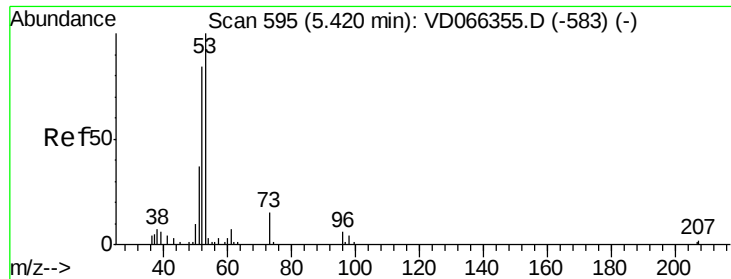


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 223.867 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

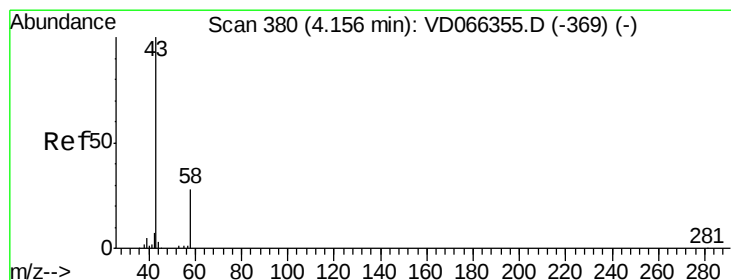
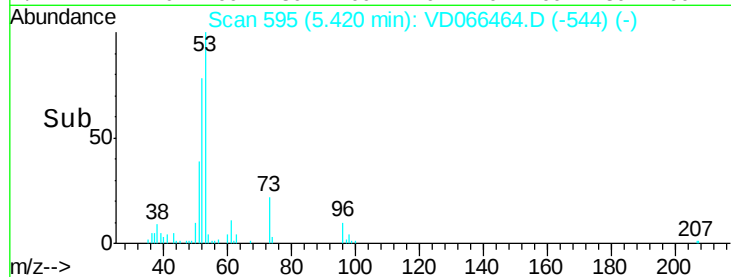
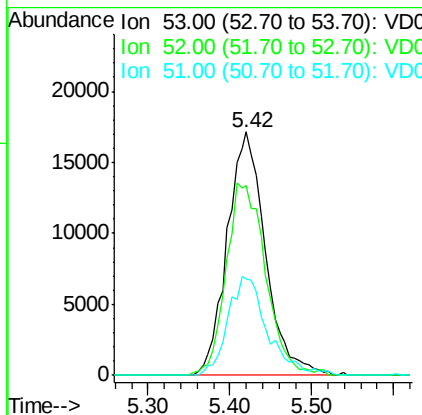
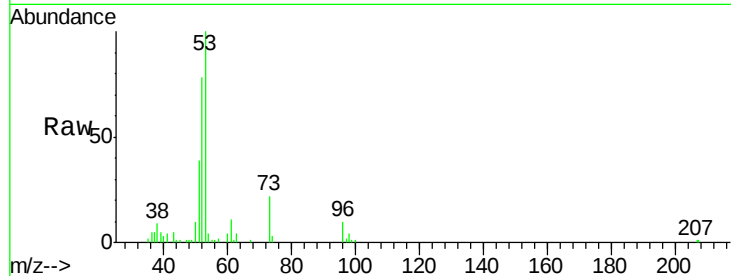
ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion:	53	Resp:	55775
Ion Ratio	Lower	Upper	
53	100		
52	81.2	68.1	102.1
51	41.2	33.8	50.6

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:58:37 AM



#16

Acetone

Concen: 226.114 ug/l

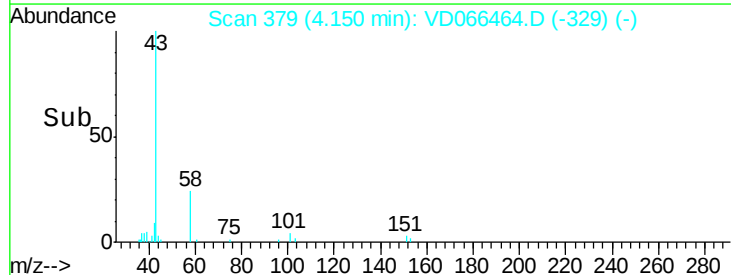
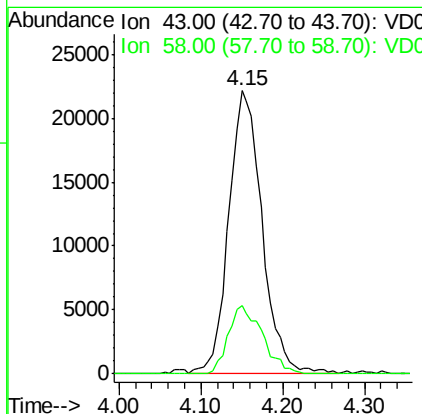
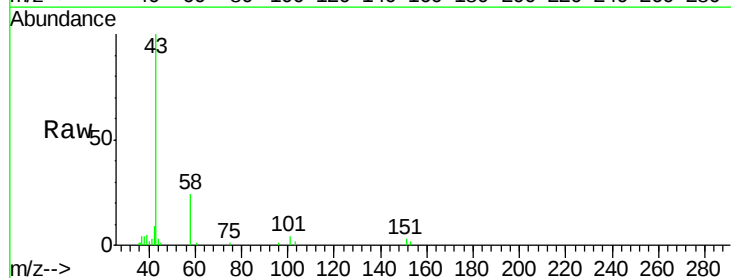
RT: 4.15 min Scan# 379

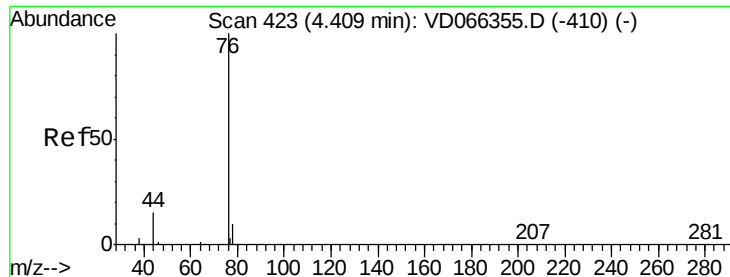
Delta R.T. -0.01 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Tgt Ion:	43	Resp:	62955
Ion Ratio	Lower	Upper	
43	100		
58	24.1	22.7	34.1





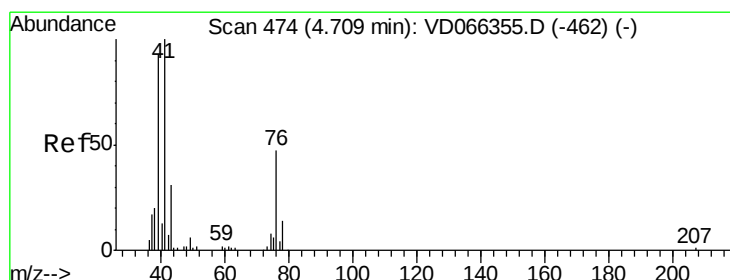
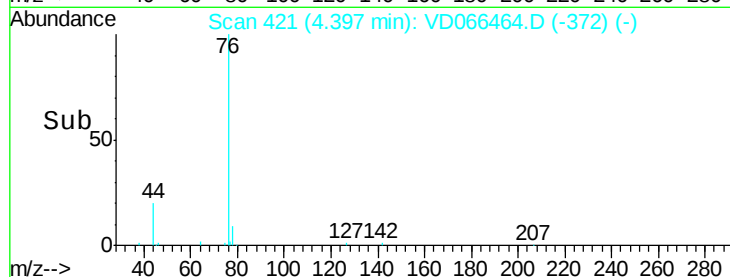
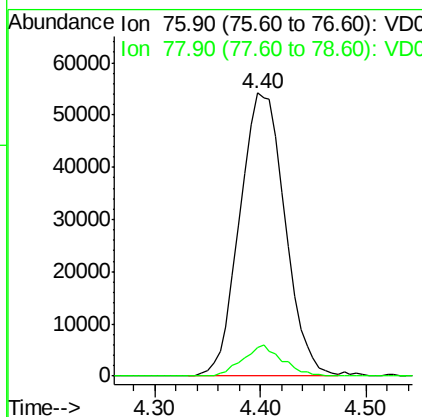
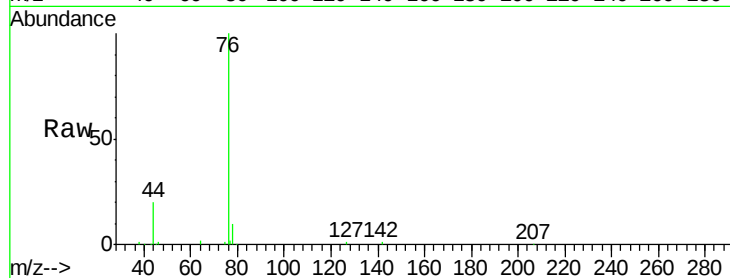
#17
Carbon Disulfide
Concen: 41.390 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.7	11.5

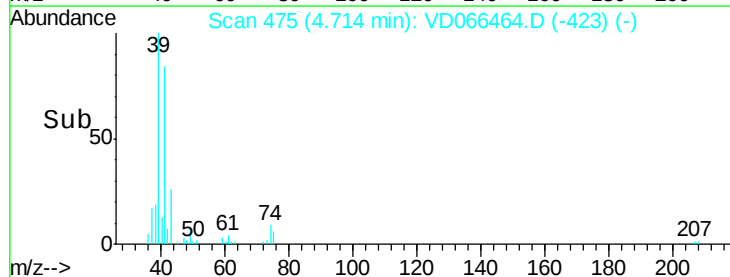
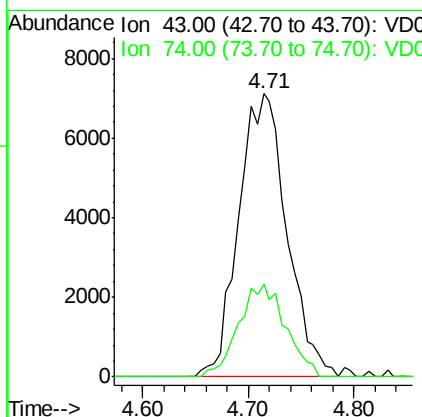
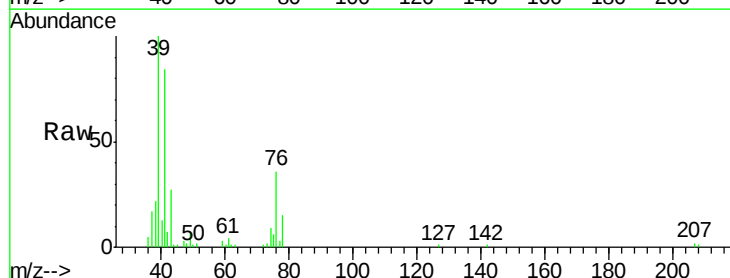
Manual Integrations
APPROVED

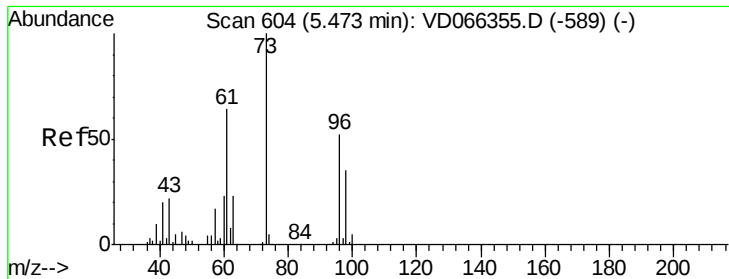
MMDadoda
8/31/2020 11:58:37 AM



#18
Methyl Acetate
Concen: 43.100 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.9	21.0	31.6#





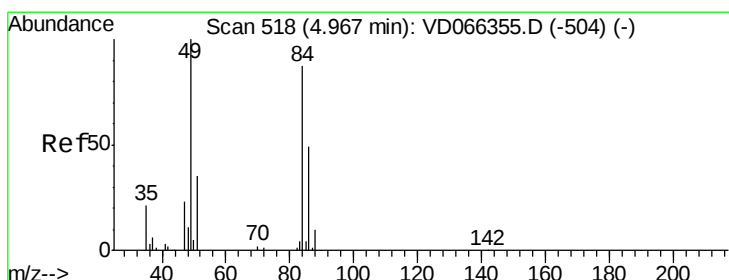
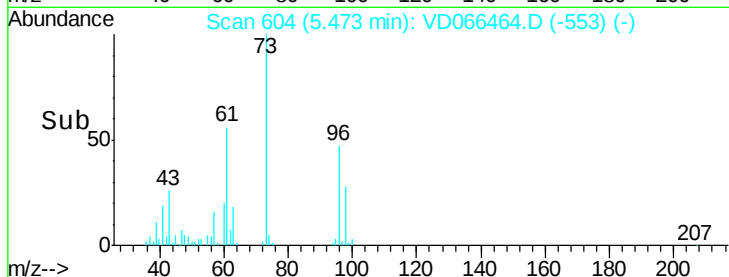
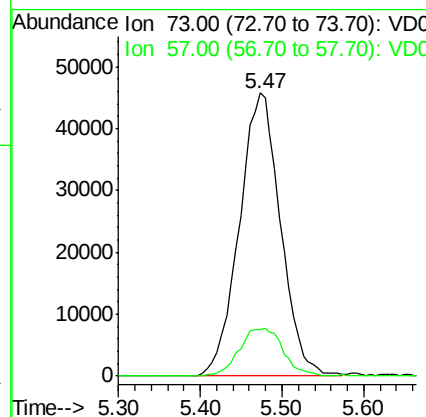
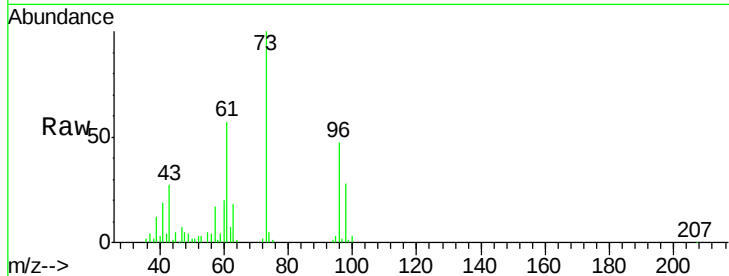
#19
Methyl tert-butyl Ether
Concen: 51.865 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion: 73 Resp: 160335
Ion Ratio Lower Upper
73 100
57 16.6 13.8 20.6

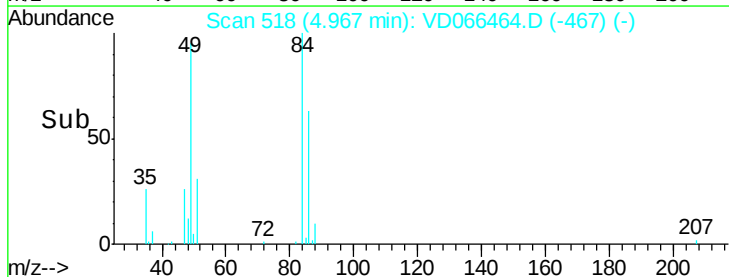
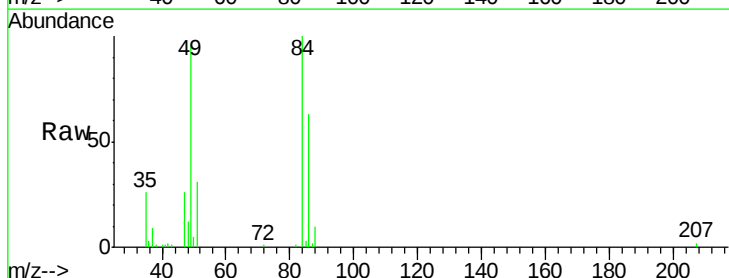
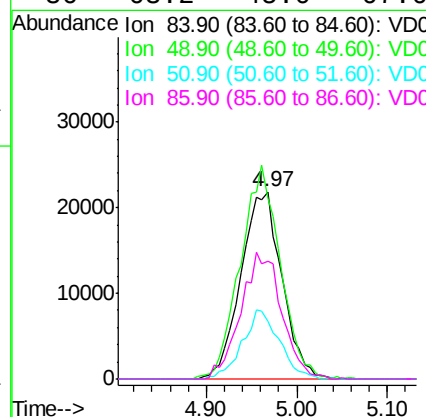
Manual Integrations
APPROVED

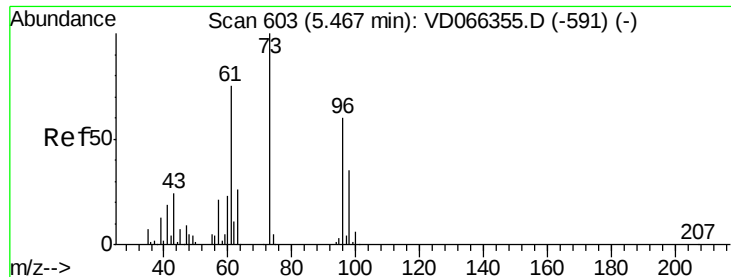
MMDadoda
8/31/2020 11:58:37 AM



#20
Methylene Chloride
Concen: 45.665 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion: 84 Resp: 68758
Ion Ratio Lower Upper
84 100
49 96.2 92.5 138.7
51 30.9 32.5 48.7#
86 63.2 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 46.033 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

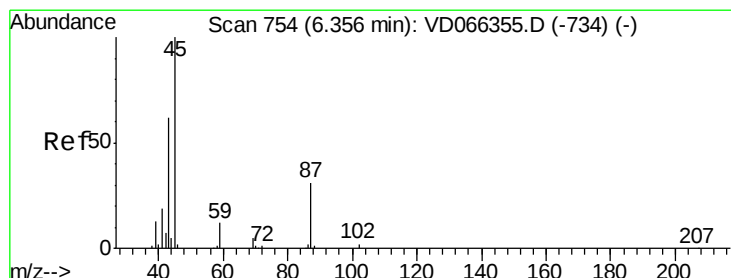
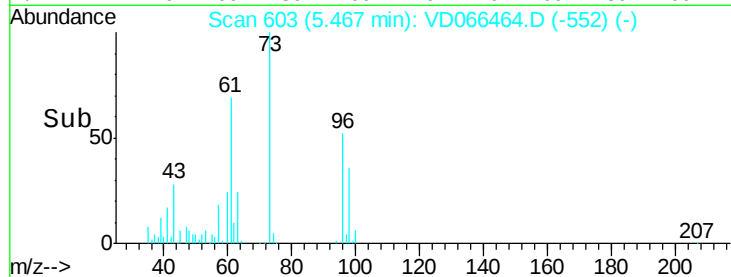
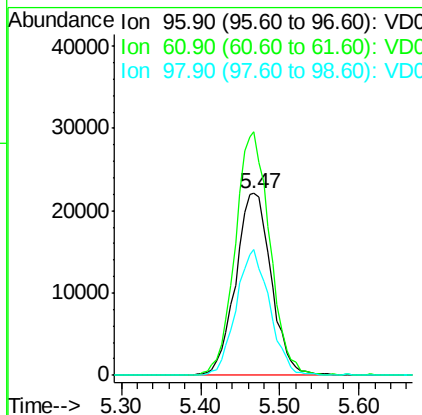
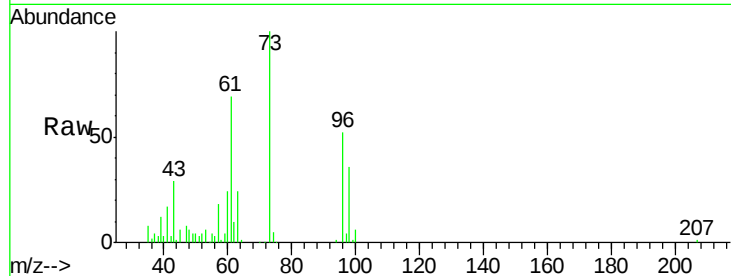
ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion:	96	Resp:	68796
Ion	Ratio	Lower	Upper
96	100		
61	133.9	101.1	151.7
98	69.3	47.0	70.6

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:58:37 AM



#22

Diisopropyl ether

Concen: 41.505 ug/l

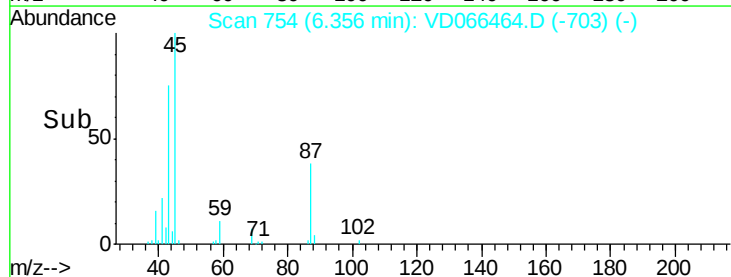
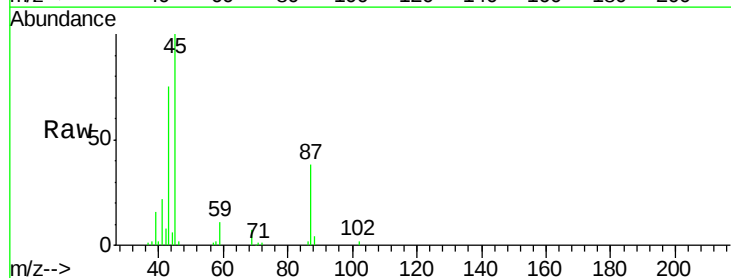
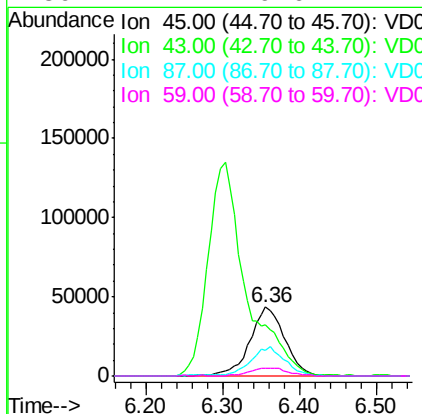
RT: 6.36 min Scan# 754

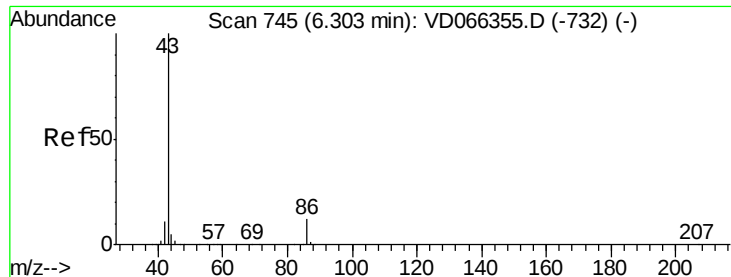
Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Tgt Ion:	45	Resp:	137705
Ion	Ratio	Lower	Upper
45	100		
43	73.1	49.8	74.8
87	37.1	25.0	37.6
59	11.1	9.6	14.4





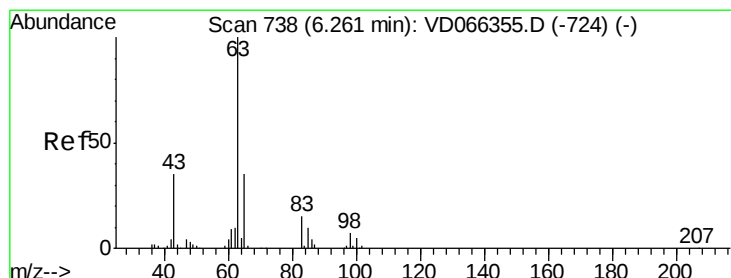
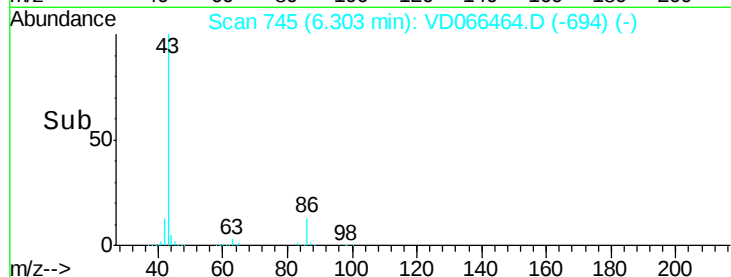
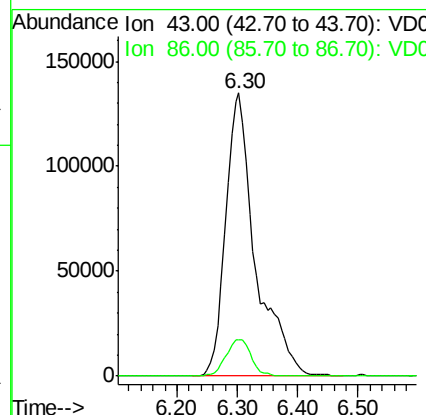
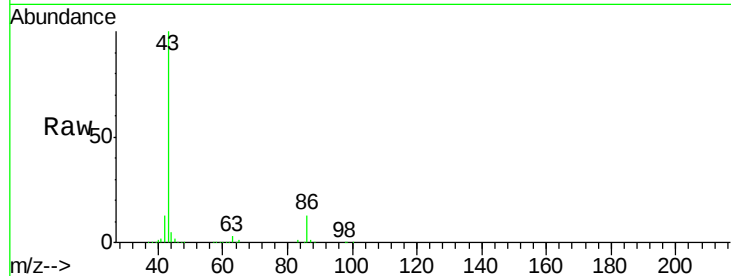
#23
 Vinyl Acetate
 Concen: 225.170 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
86	12.9	9.4	14.0

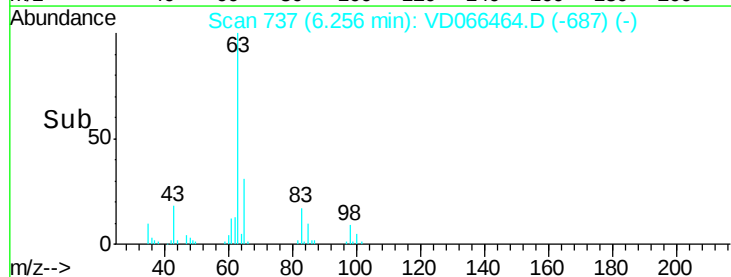
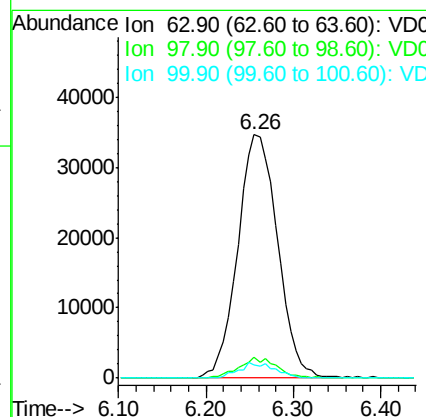
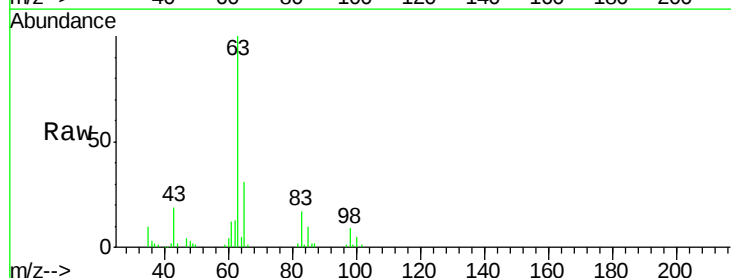
Manual Integrations
 APPROVED

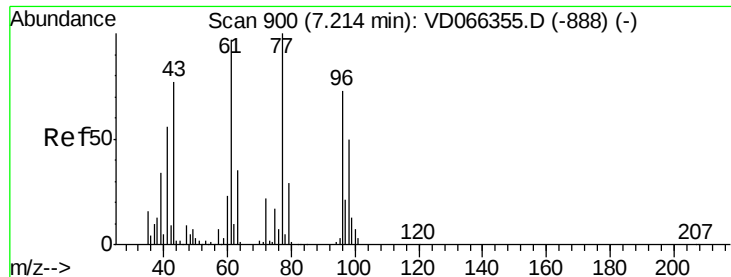
MMDadoda
 8/31/2020 11:58:37 AM



#24
 1,1-Dichloroethane
 Concen: 45.788 ug/l
 RT: 6.26 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.8	3.5	10.6
100	5.5	2.5	7.6





#25

2-Butanone

Concen: 219.535 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion: 43 Resp: 69390

Ion Ratio Lower Upper

43 100

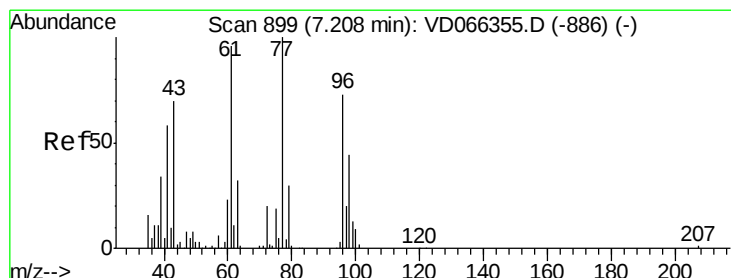
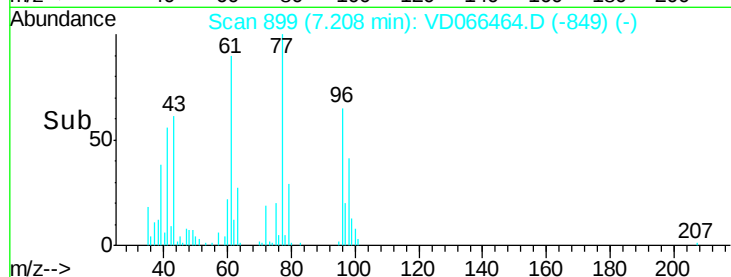
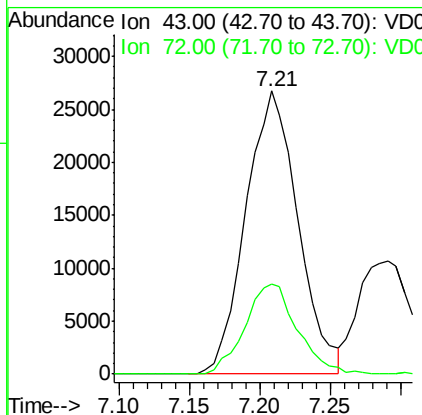
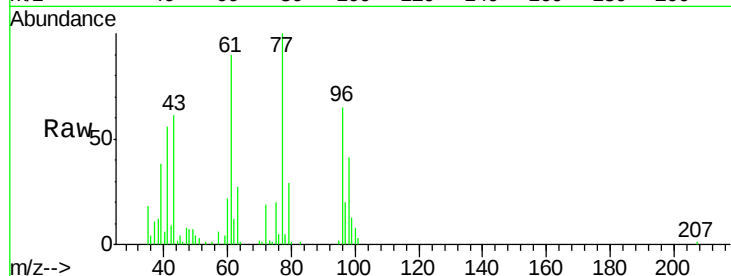
72 31.8 22.5 33.7

Manual Integrations

APPROVED

MMDadoda

8/31/2020 11:58:37 AM



#26

2,2-Dichloropropane

Concen: 52.828 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066464.D

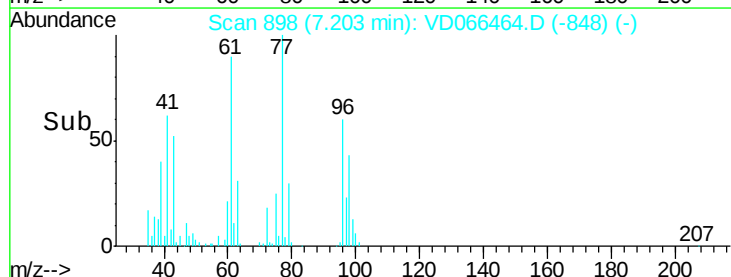
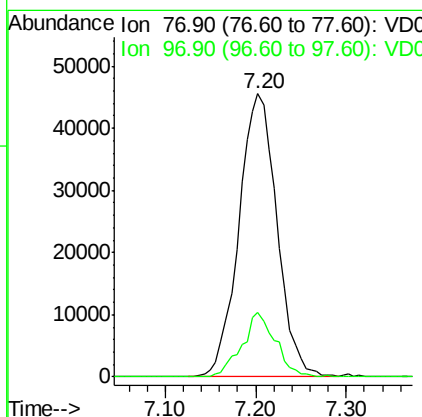
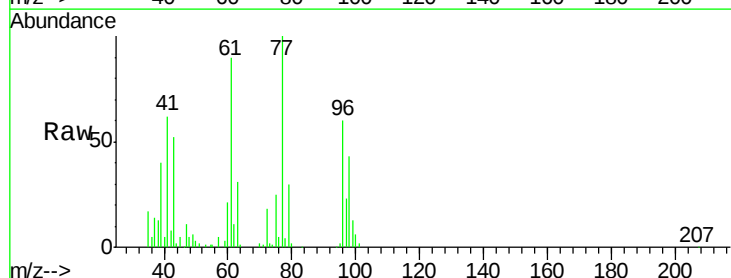
Acq: 28 Aug 2020 17:12

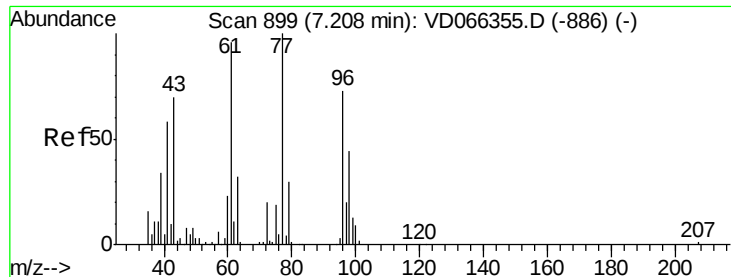
Tgt Ion: 77 Resp: 132754

Ion Ratio Lower Upper

77 100

97 20.0 10.7 31.9





#27

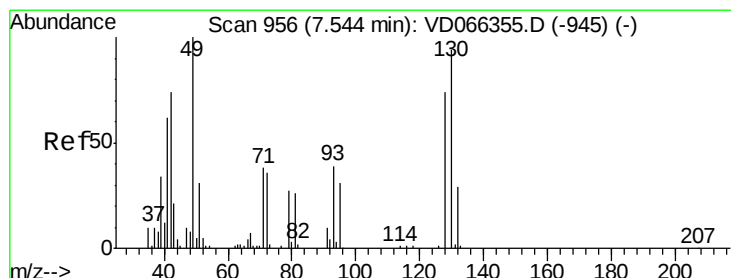
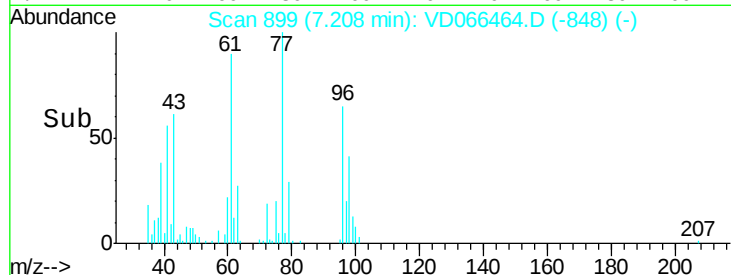
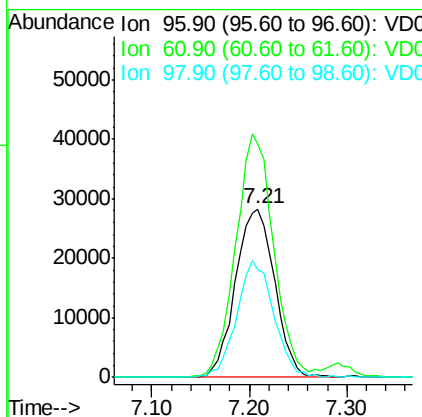
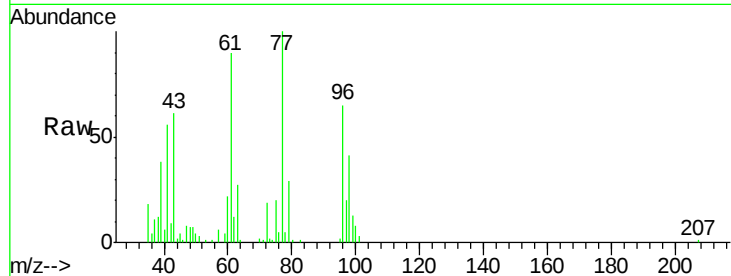
cis-1,2-Dichloroethene
 Concen: 49.312 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	281.4
98	65.3	0.0	132.2

Manual Integrations
 APPROVED

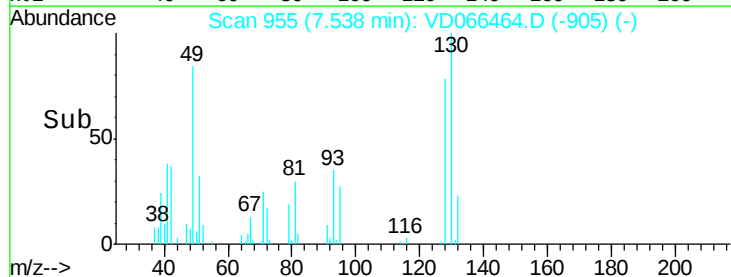
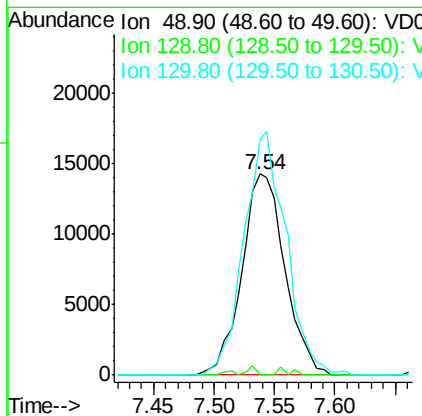
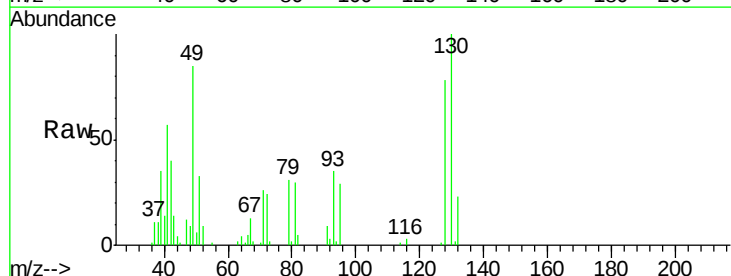
MMDadoda
 8/31/2020 11:58:37 AM

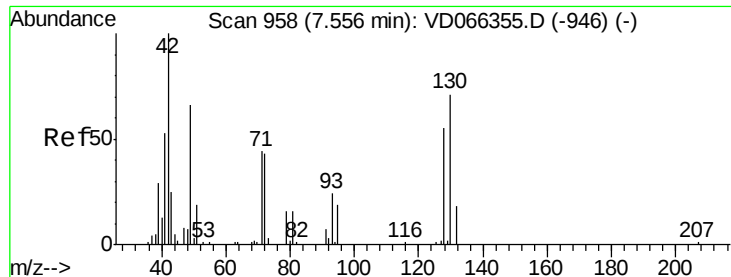


#28

Bromochloromethane
 Concen: 43.737 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	118.7	82.6	124.0





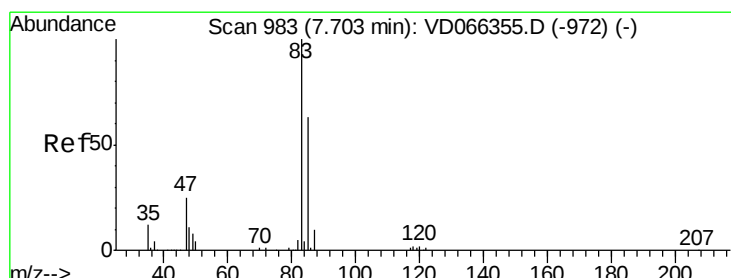
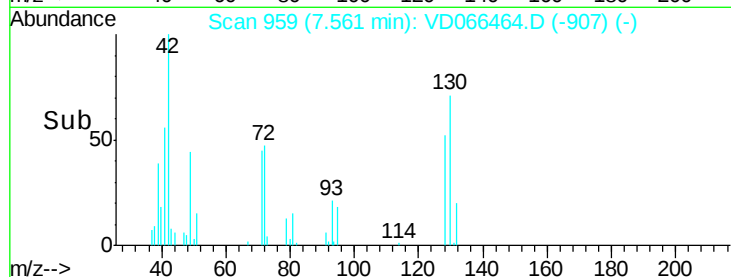
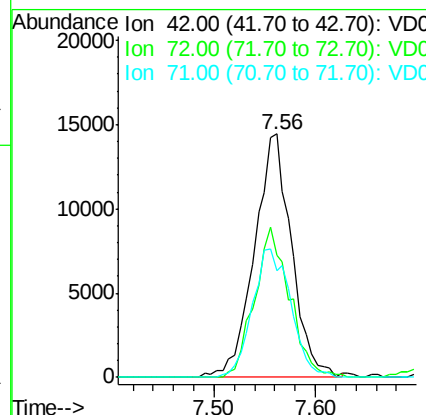
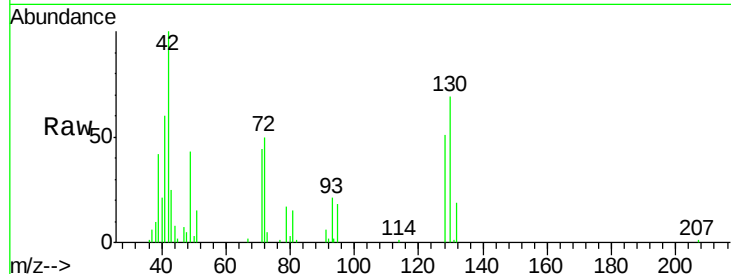
#29
Tetrahydrofuran
Concen: 206.575 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.0	41.0	61.4
71	54.3	37.2	55.8

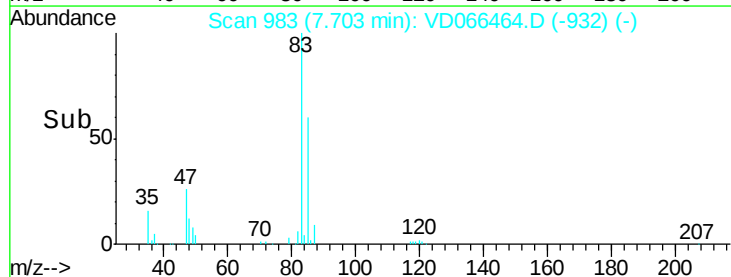
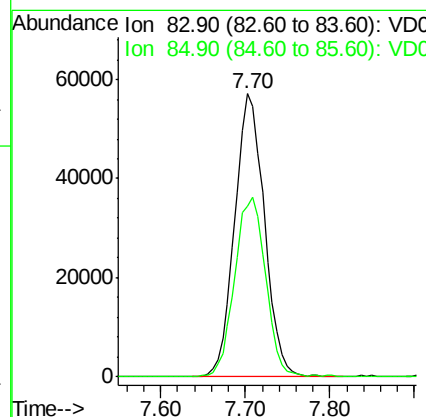
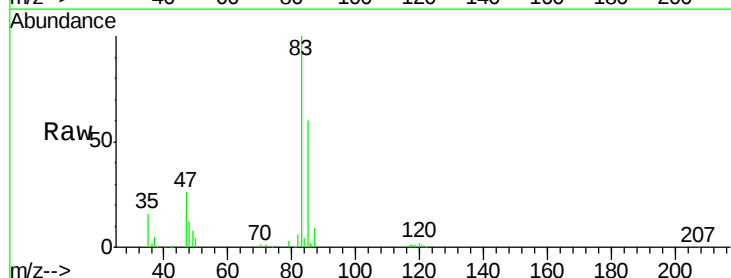
Manual Integrations
APPROVED

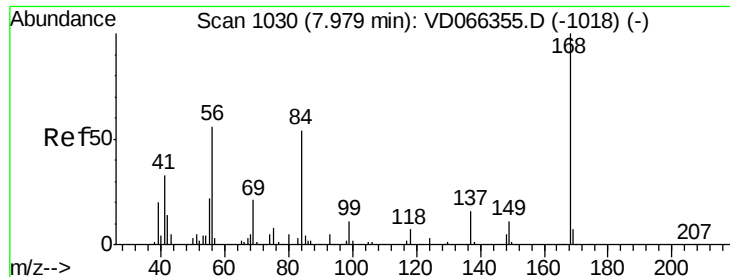
MMDadoda
8/31/2020 11:58:37 AM



#30
Chloroform
Concen: 51.159 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.3	75.5





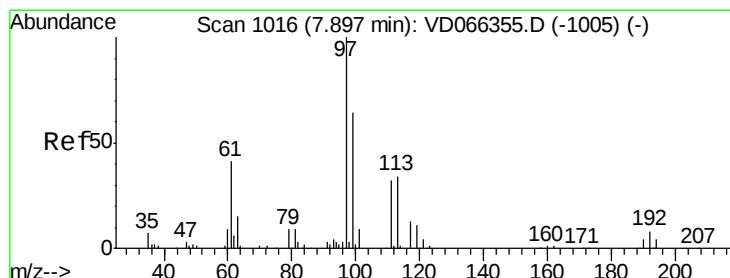
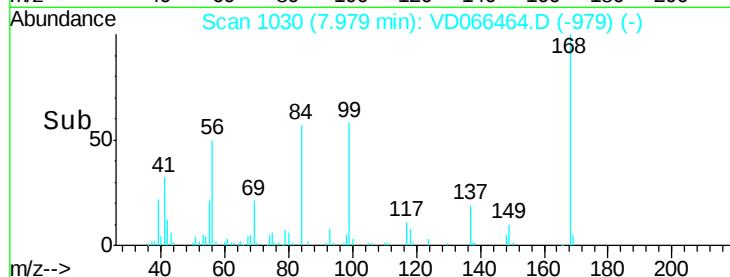
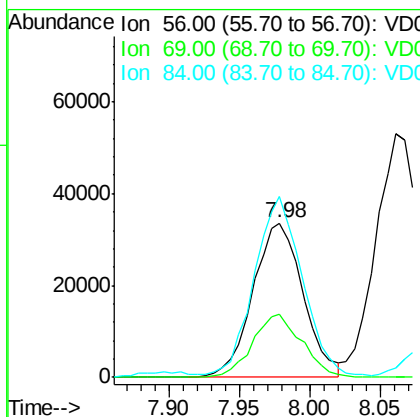
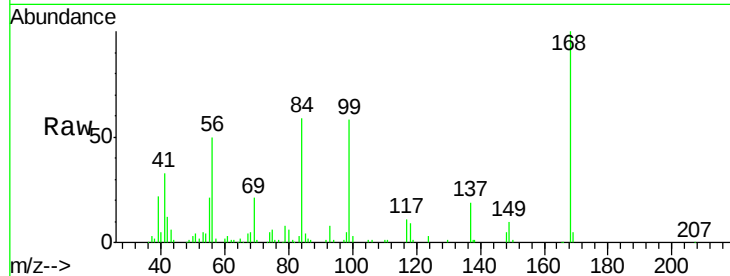
#31
Cyclohexane
Concen: 39.001 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	56	Resp	83631
Ion Ratio	100	Lower	Upper
56	100		
69	41.1	29.6	44.4
84	114.9	76.6	115.0

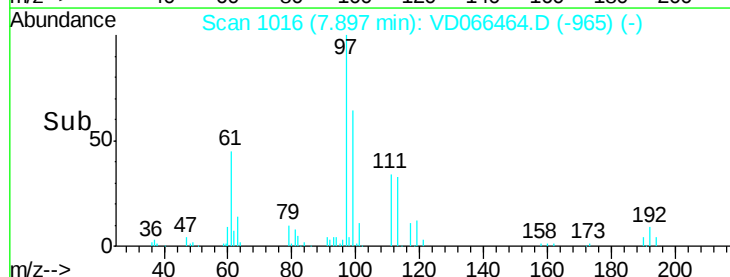
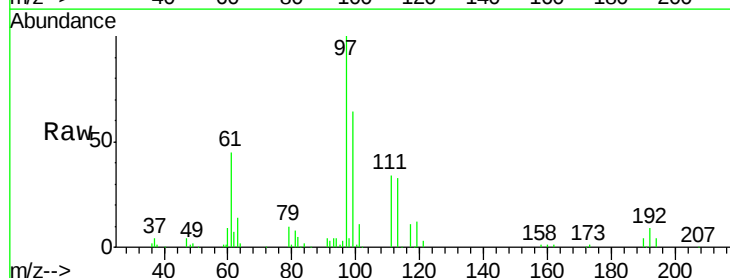
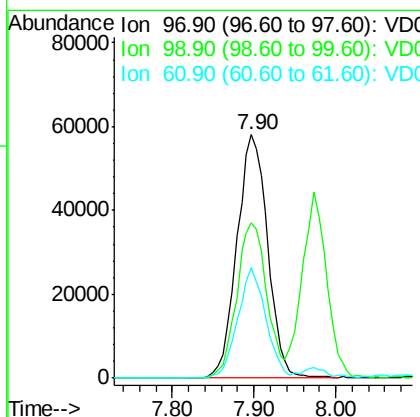
Manual Integrations
APPROVED

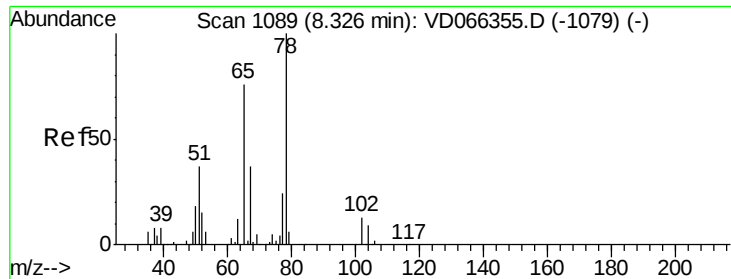
MMDadoda
8/31/2020 11:58:37 AM



#32
1,1,1-Trichloroethane
Concen: 54.685 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	97	Resp	151824
Ion Ratio	100	Lower	Upper
97	100		
99	62.7	51.5	77.3
61	41.4	33.3	49.9





#33

1,2-Dichloroethane-d4

Concen: 55.366 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion: 65 Resp: 85504

Ion Ratio Lower Upper

65 100

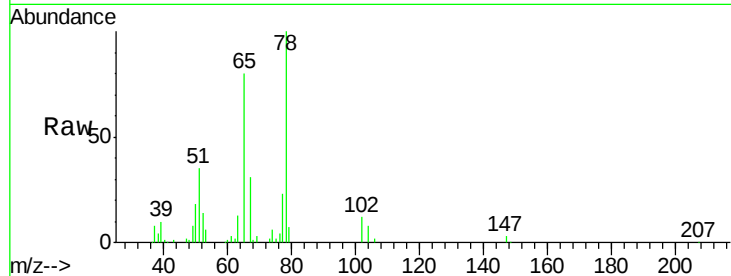
67 44.6 0.0 101.6

Manual Integrations

APPROVED

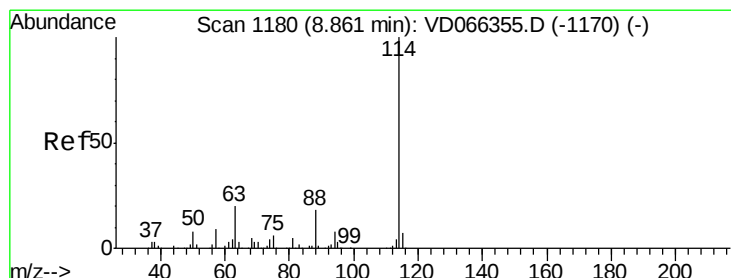
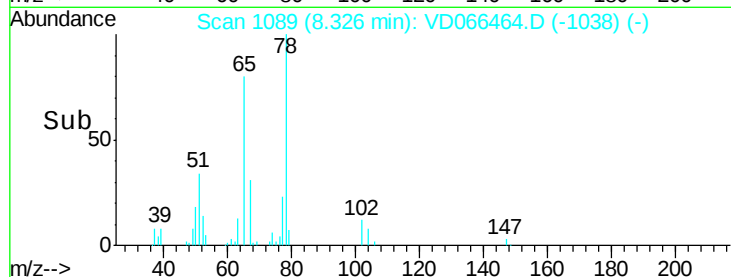
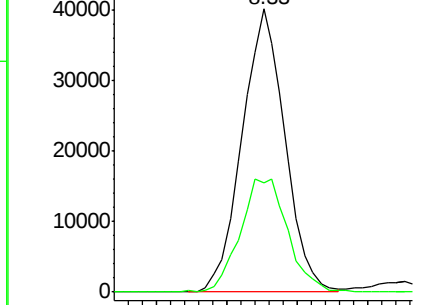
MMDadoda

8/31/2020 11:58:37 AM



Abundance Ion 64.90 (64.60 to 65.60): VD066464.D (-1038) (-)

Ion 66.90 (66.60 to 67.60): VD066464.D (-1038) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

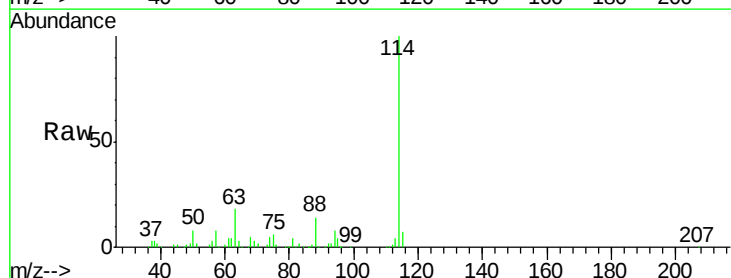
Tgt Ion: 114 Resp: 214376

Ion Ratio Lower Upper

114 100

63 18.0 0.0 40.8

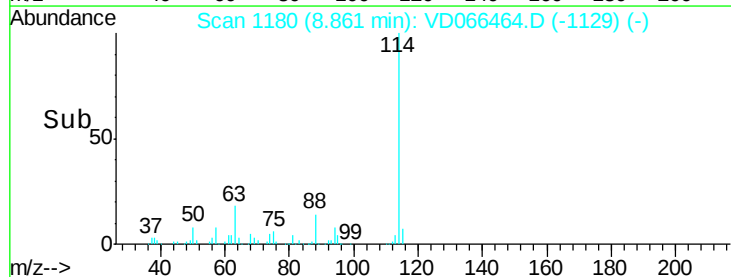
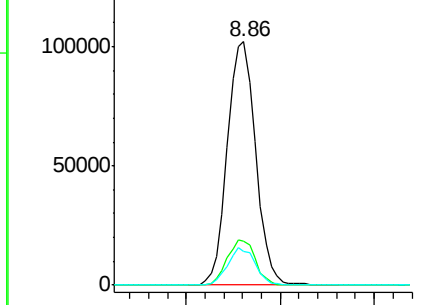
88 14.0 0.0 35.4

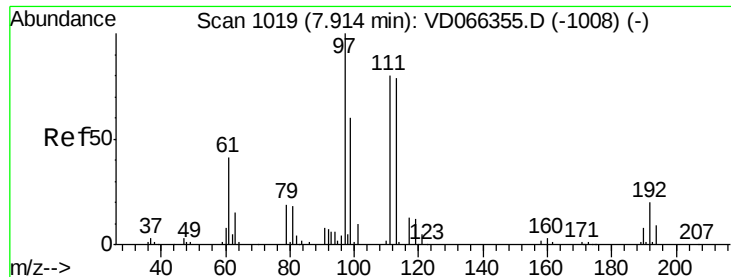


Abundance Ion 113.90 (113.60 to 114.60): VD066464.D (-1129) (-)

Ion 63.00 (62.70 to 63.70): VD066464.D (-1129) (-)

Ion 87.90 (87.60 to 88.60): VD066464.D (-1129) (-)





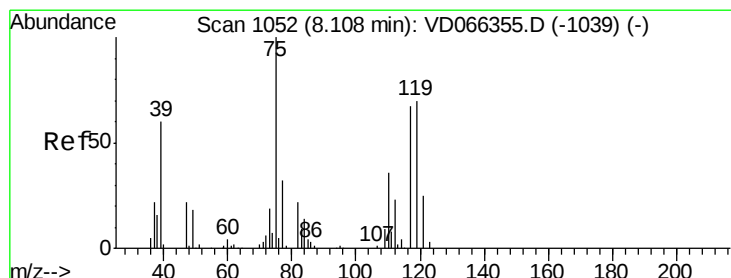
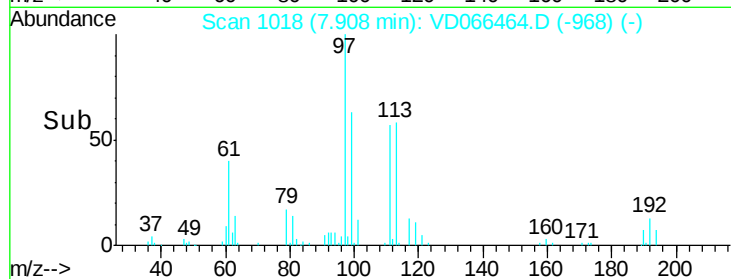
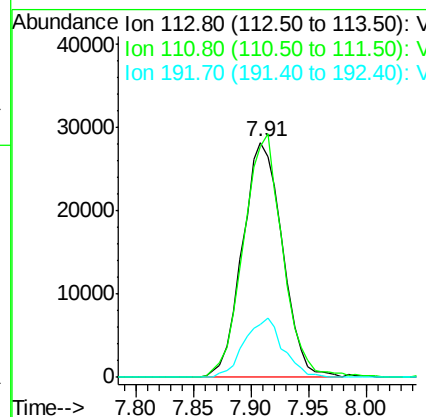
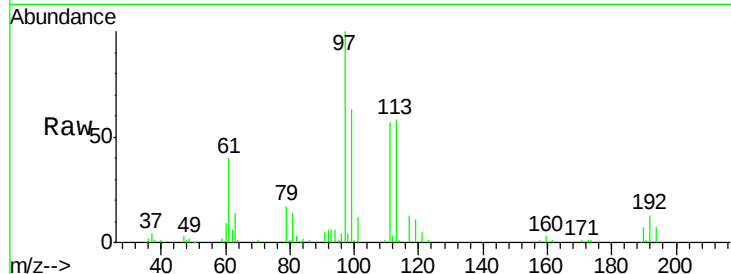
#35
Dibromofluoromethane
Concen: 50.714 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	67983		
111	101.7		80.3	120.5
192	24.1		19.0	28.6

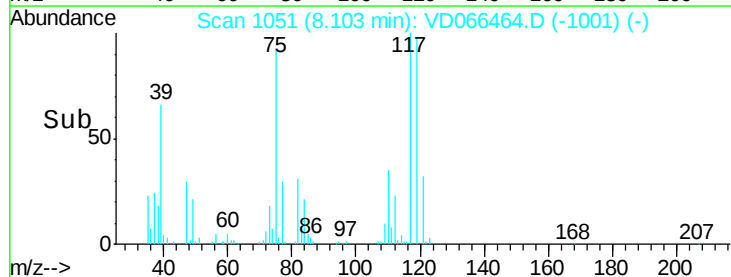
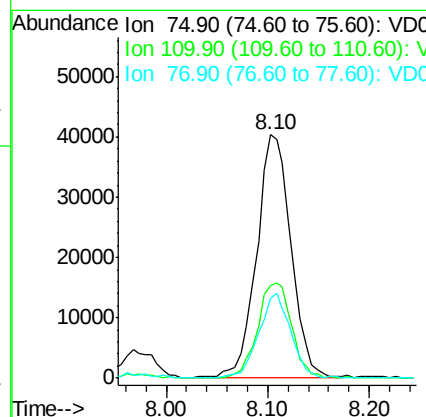
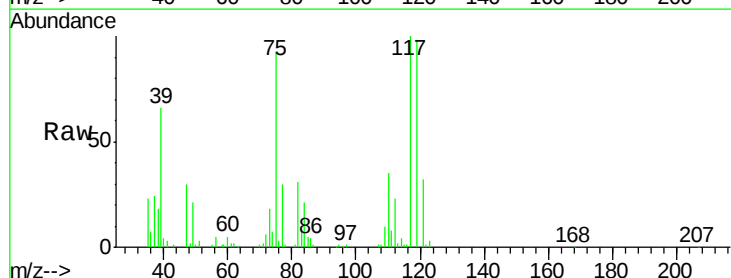
Manual Integrations
APPROVED

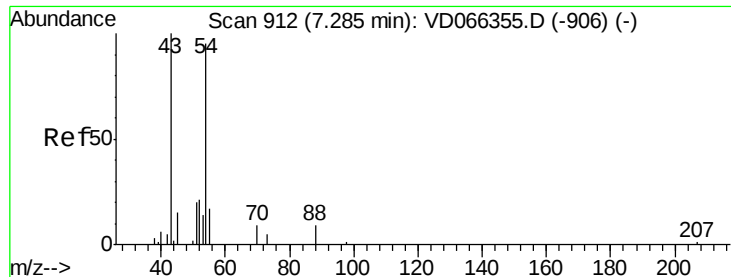
MMDadoda
8/31/2020 11:58:37 AM



#36
1,1-Dichloropropene
Concen: 48.606 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95076		
110	38.5		18.7	56.1
77	32.3		25.2	37.8





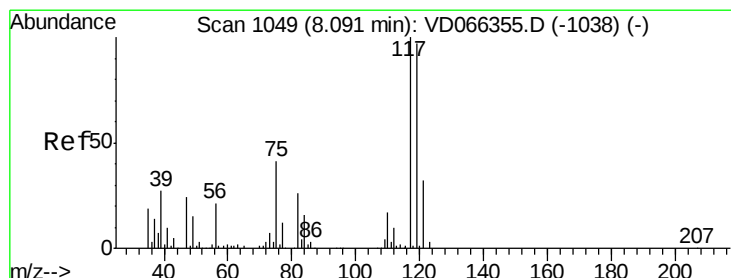
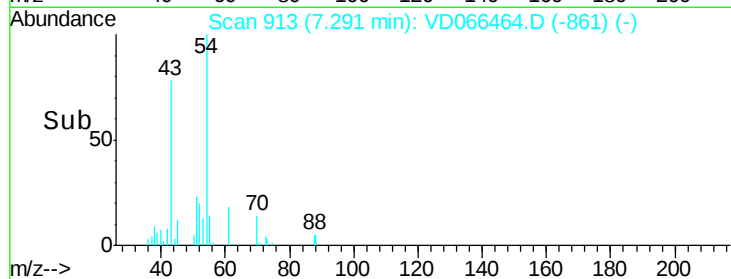
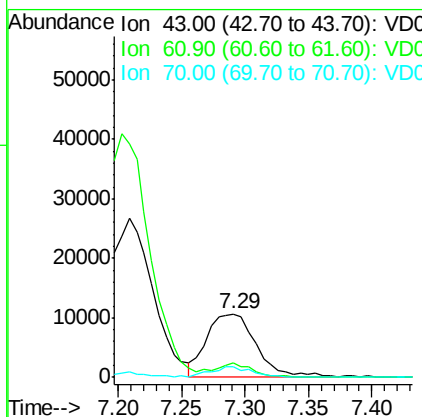
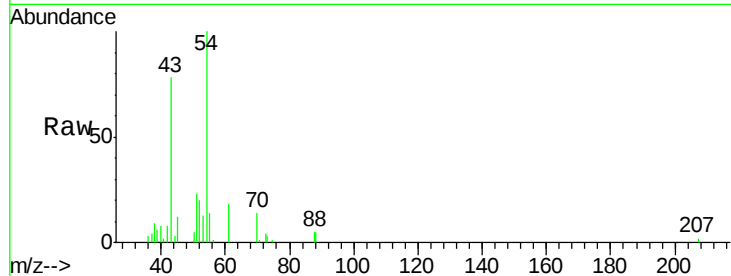
#37
Ethyl Acetate
Concen: 43.570 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	13.3	19.9
70	14.8	3.5	5.3

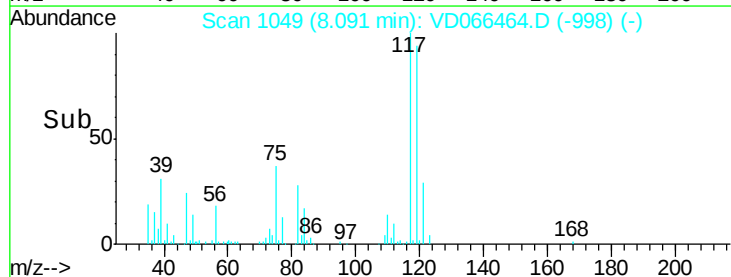
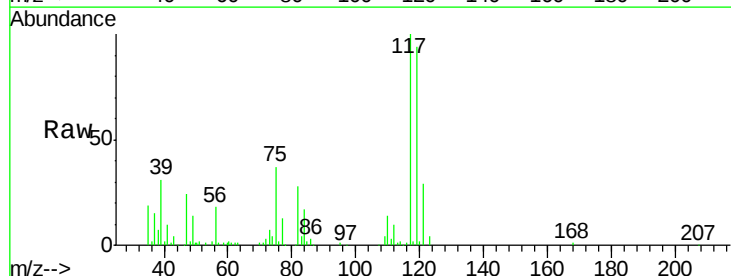
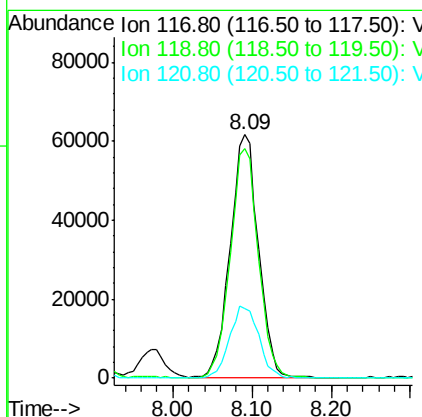
Manual Integrations
APPROVED

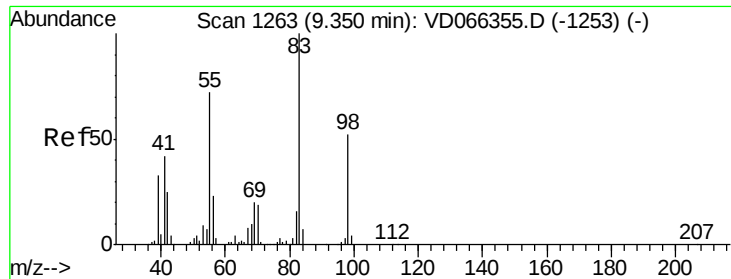
MMDadoda
8/31/2020 11:58:37 AM



#38
Carbon Tetrachloride
Concen: 59.985 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.2	115.8
121	28.7	25.8	38.8





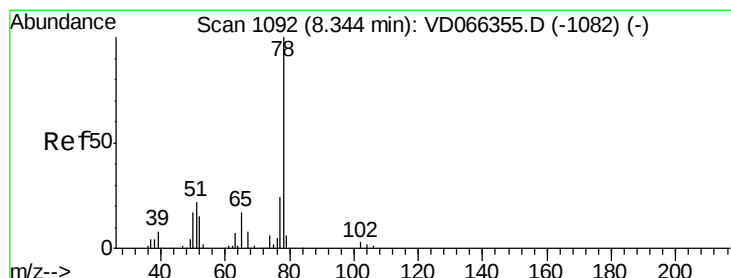
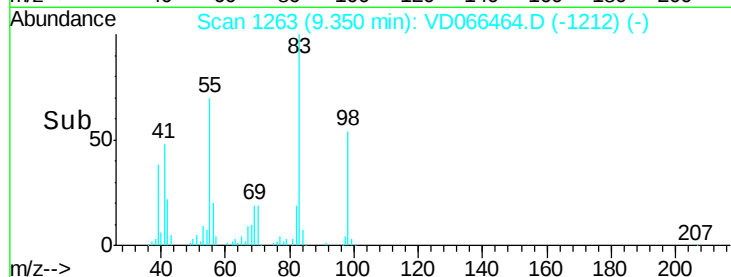
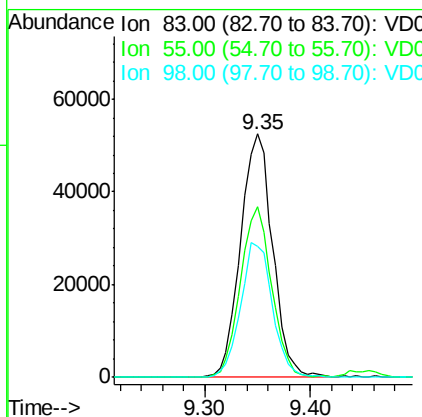
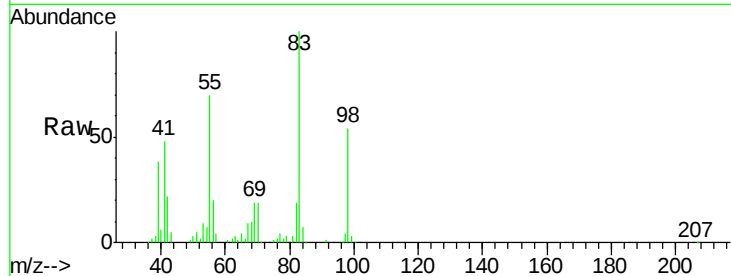
#39
Methvlcvclohexane
Concen: 48.150 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.9	58.0	87.0
98	53.8	41.9	62.9

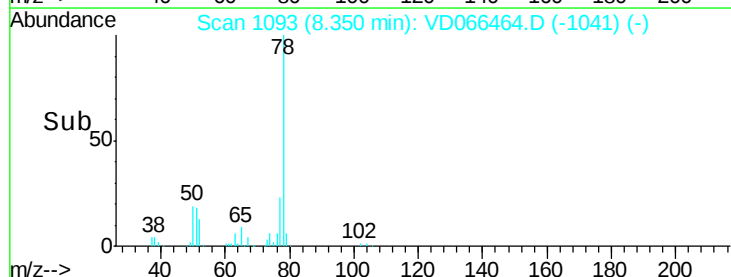
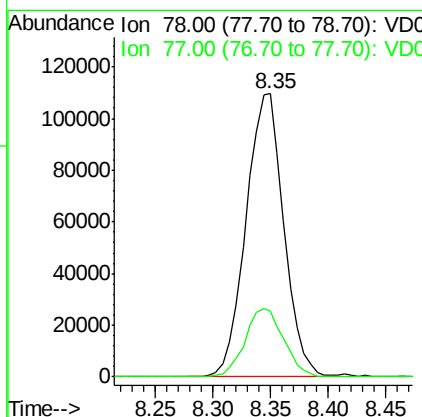
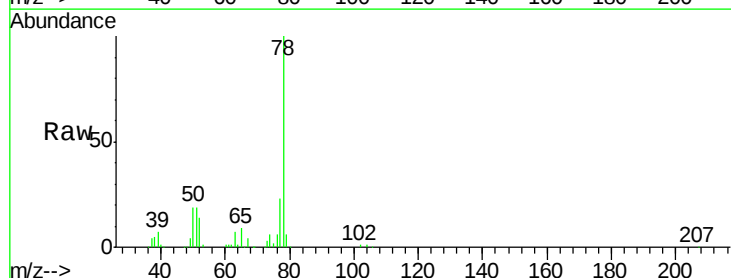
Manual Integrations
APPROVED

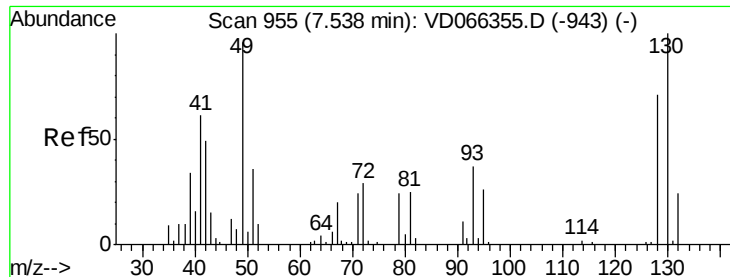
MMDadoda
8/31/2020 11:58:37 AM



#40
Benzene
Concen: 48.579 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





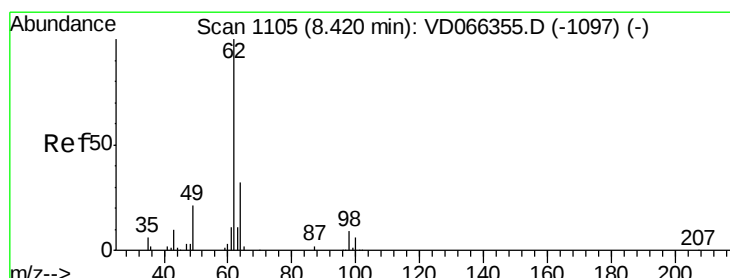
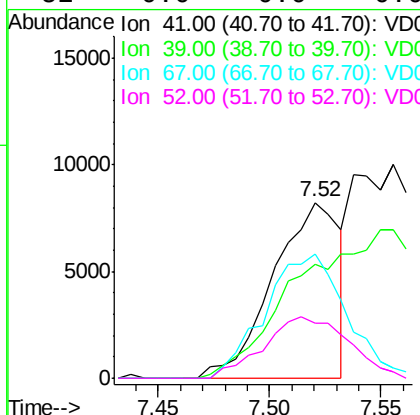
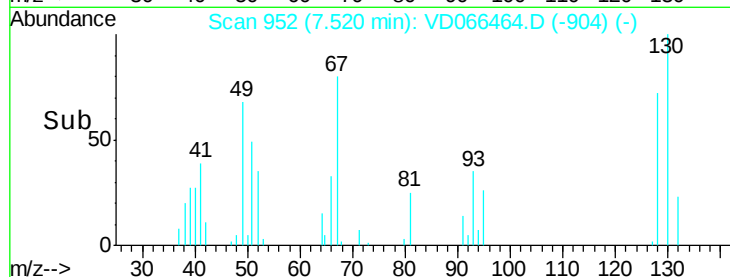
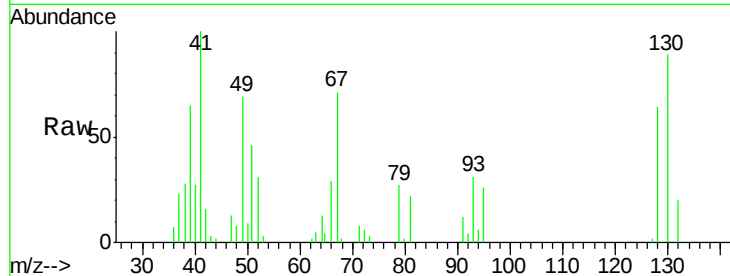
#41
Methacrylonitrile
Concen: 42.151 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.02 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	172.6	51.8	77.8#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

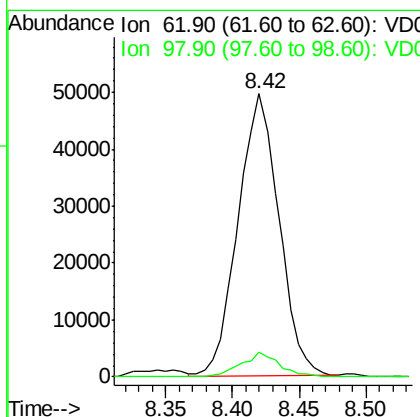
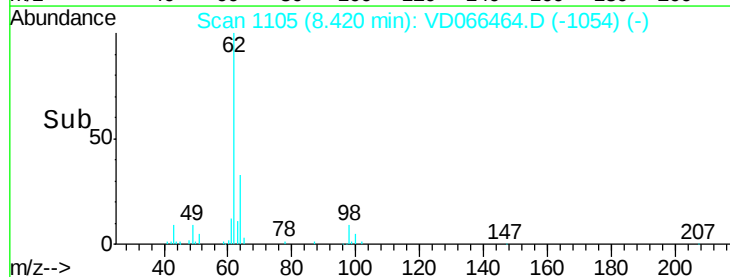
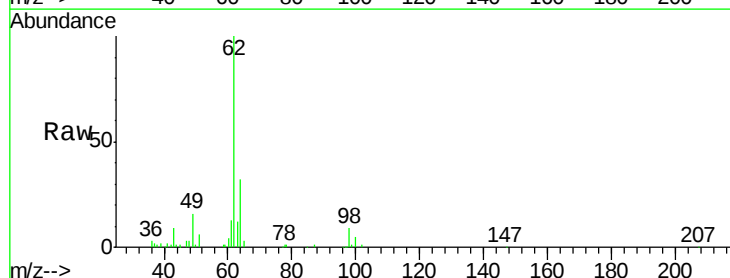
Manual Integrations
APPROVED

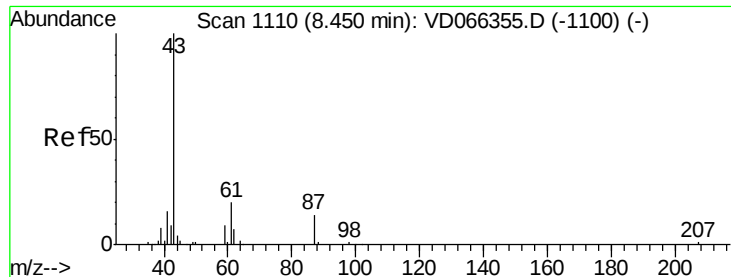
MMDadoda
8/31/2020 11:58:37 AM



#42
1,2-Dichloroethane
Concen: 57.986 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2





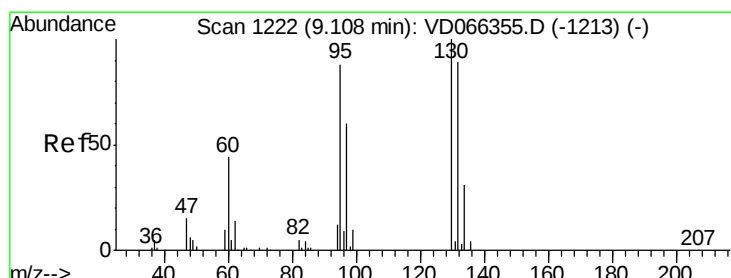
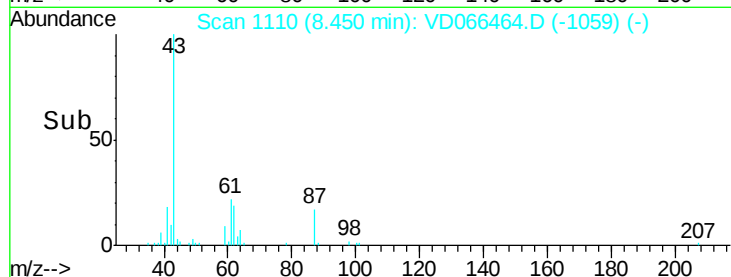
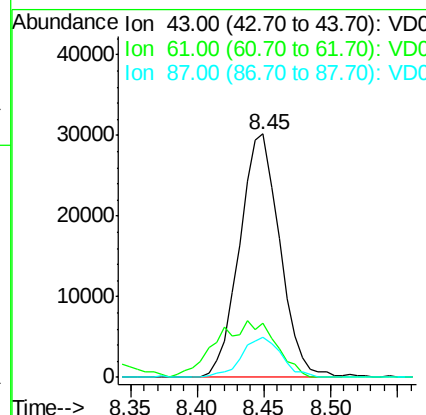
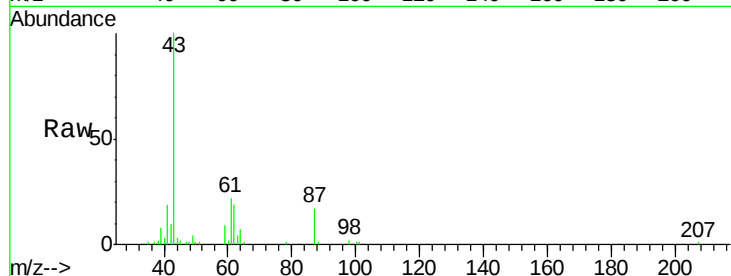
#43
Isopropyl Acetate
Concen: 47.214 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.2	26.5	39.7
87	16.4	11.9	17.9

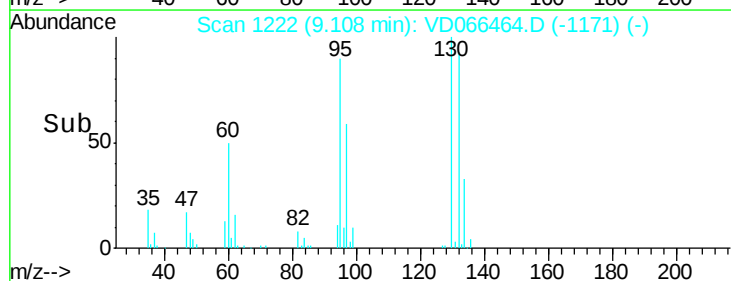
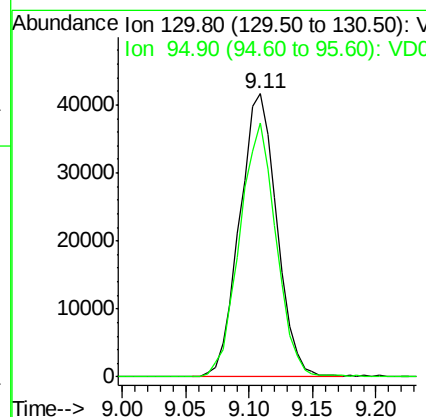
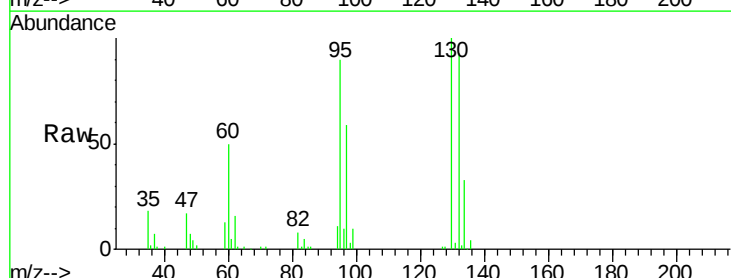
Manual Integrations
APPROVED

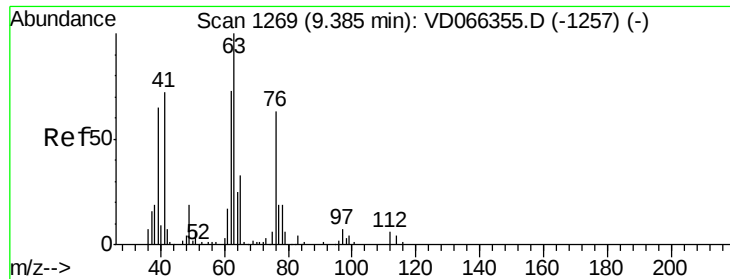
MMDadoda
8/31/2020 11:58:37 AM



#44
Trichloroethene
Concen: 50.708 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.9	0.0	175.6





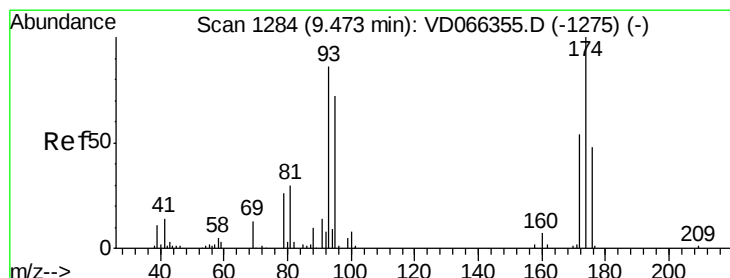
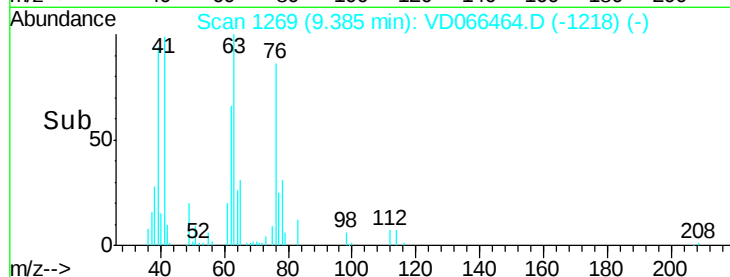
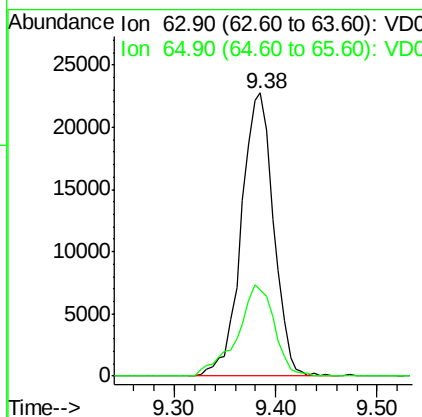
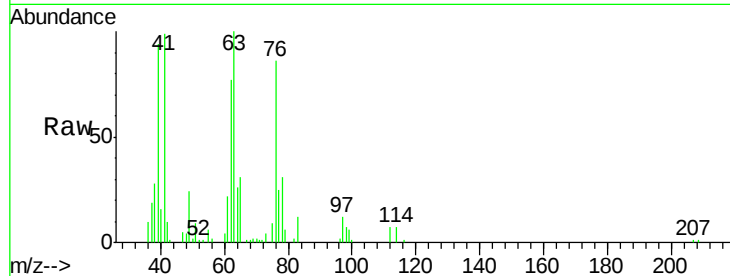
#45
 1,2-Dichloropropane
 Concen: 42.964 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MSD

Tot Ion	63	Resp	50120
Ion Ratio	Lower	Upper	
63	100		
65	30.5	26.4	39.6

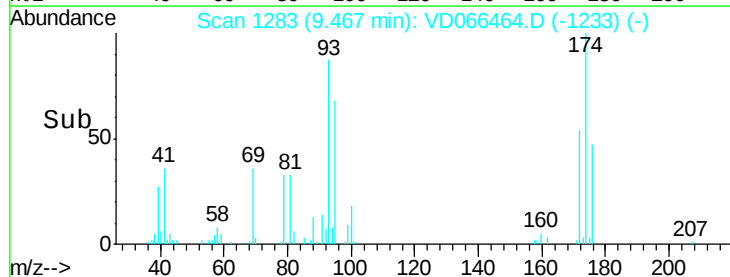
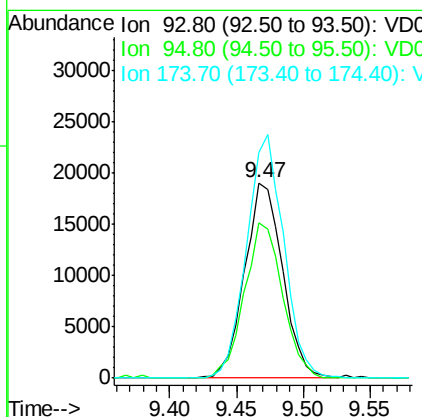
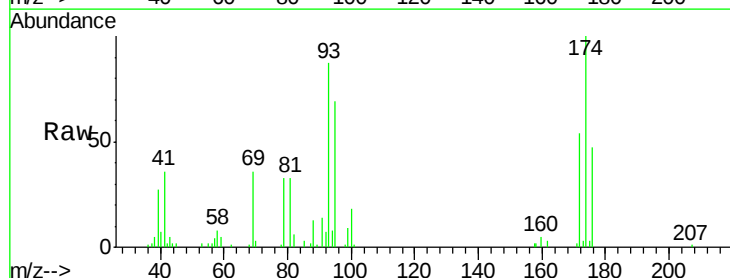
Manual Integrations
 APPROVED

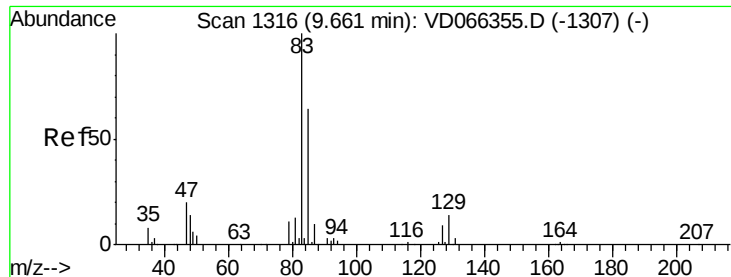
MMDadoda
 8/31/2020 11:58:37 AM



#46
 Dibromomethane
 Concen: 51.433 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Tgt Ion	93	Resp	37357
Ion Ratio	Lower	Upper	
93	100		
95	80.0	66.0	99.0
174	122.0	94.6	141.8





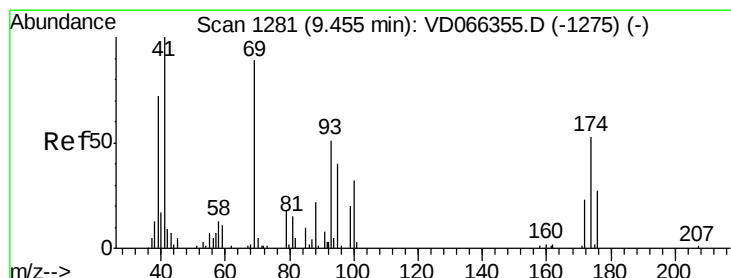
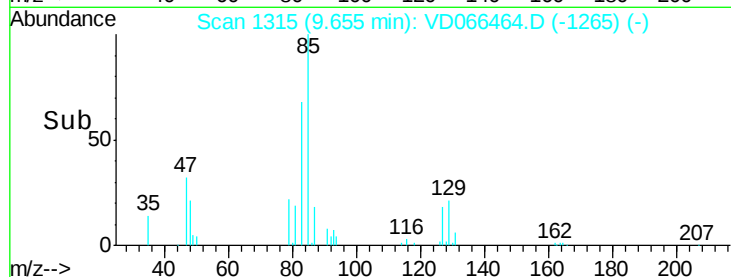
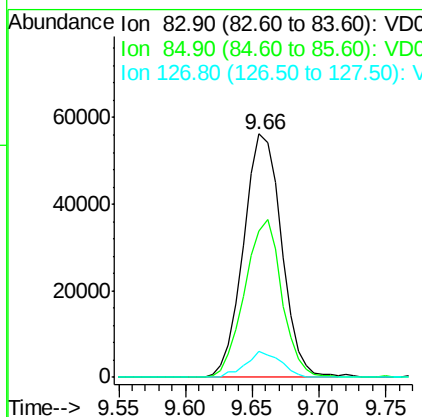
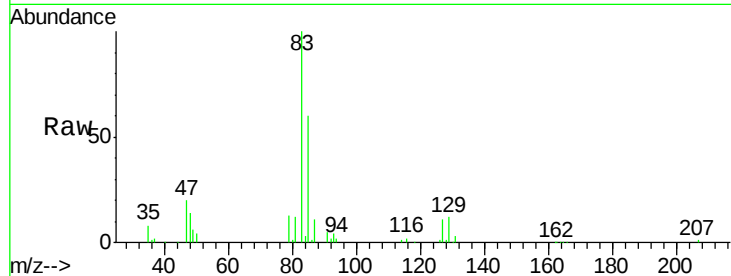
#47
Bromodichloromethane
Concen: 55.568 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	110994		
85	59.9		51.4	77.0
127	10.9		7.4	11.0

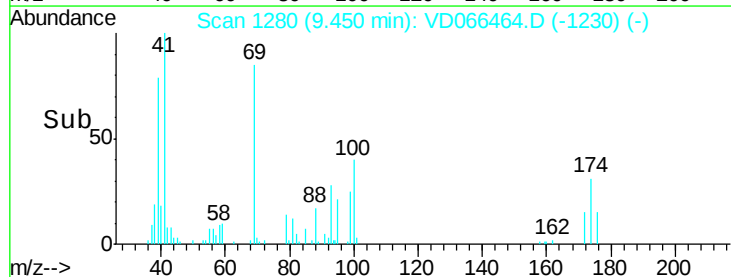
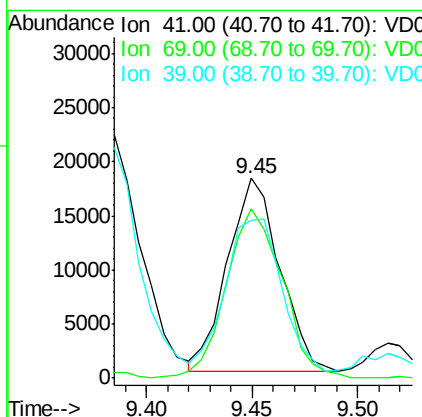
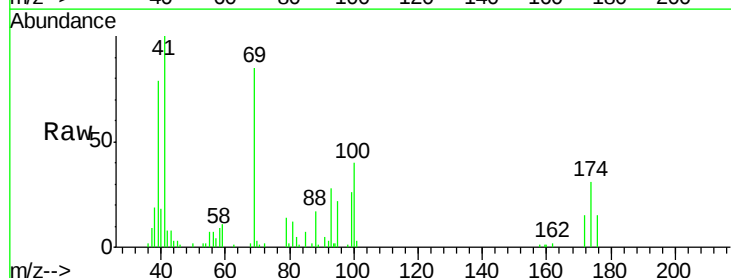
Manual Integrations
APPROVED

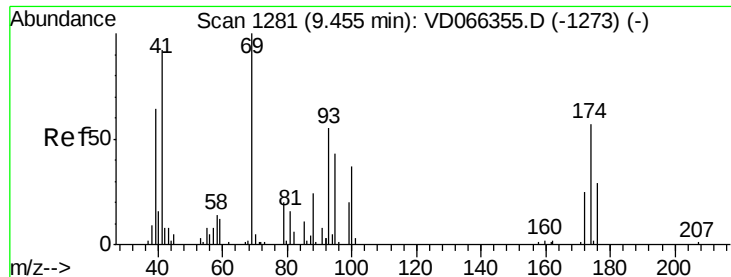
MMDadoda
8/31/2020 11:58:37 AM



#48
Methyl methacrylate
Concen: 44.775 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	30831		
69	93.8		75.5	113.3
39	84.6		57.0	85.4





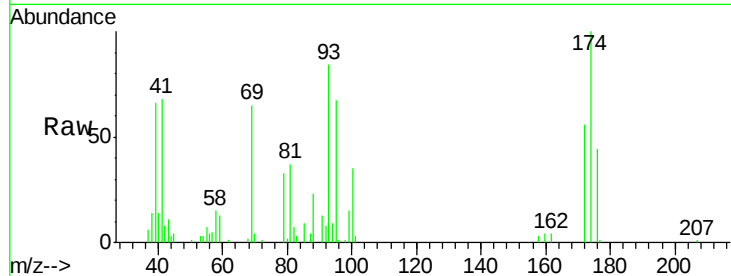
#49
1,4-Dioxane
Concen: 931.606 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.2	29.4	44.0
58	62.8	45.4	68.2

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:58:37 AM

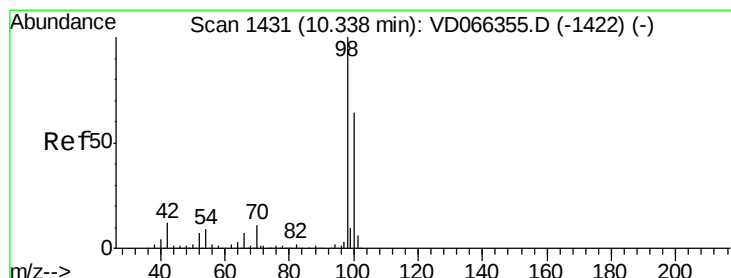
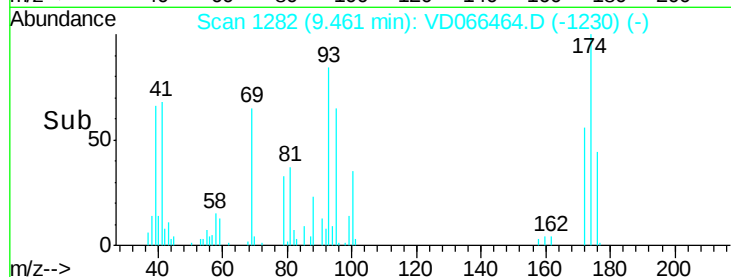
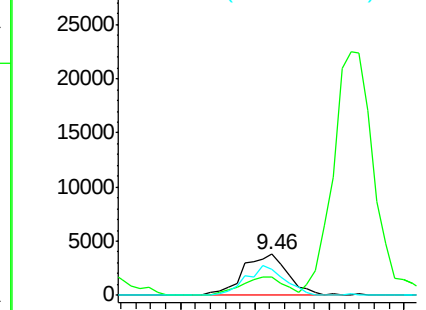


Abundance

Ion 88.00 (87.70 to 88.70): VDC

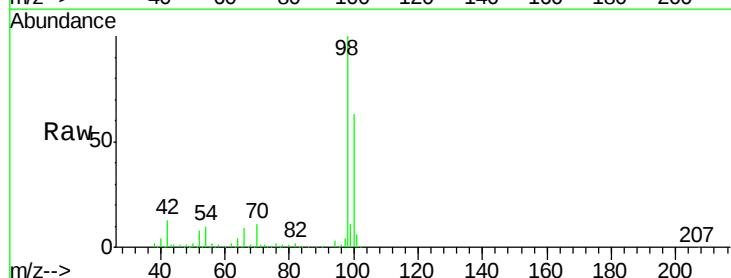
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 50.727 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

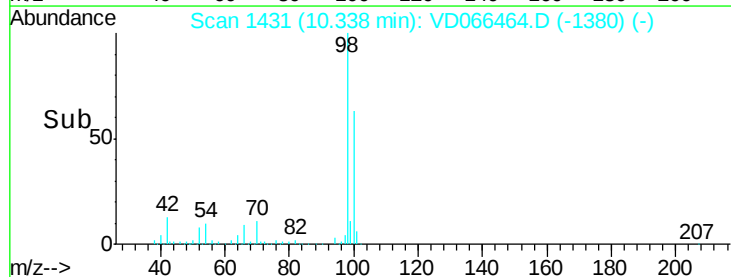
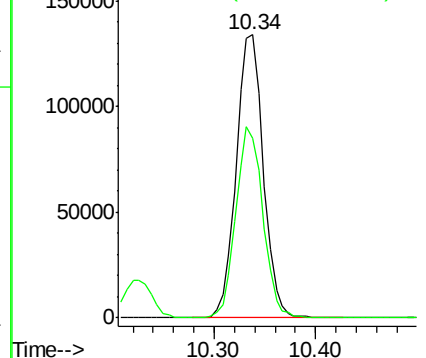
Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.0	79.4

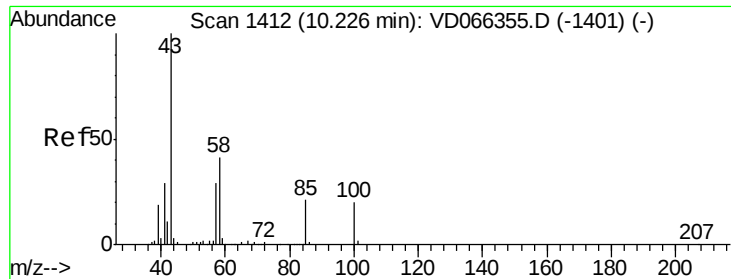


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 236.102 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion: 43 Resp: 152515

Ion Ratio Lower Upper

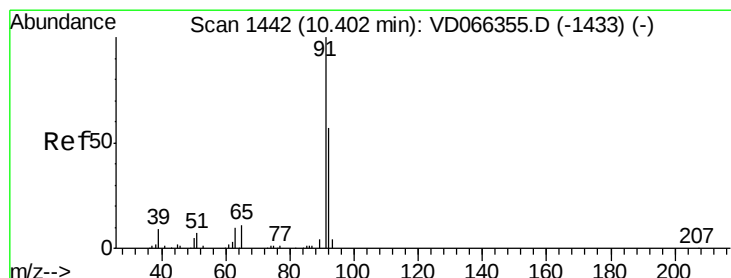
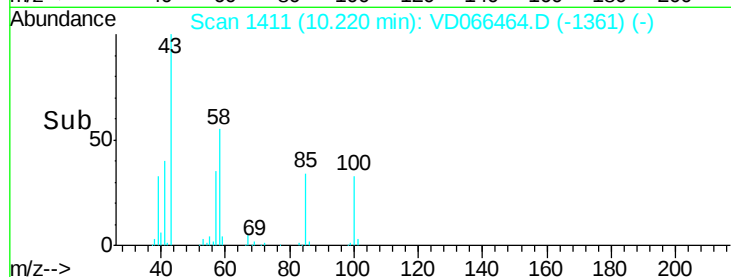
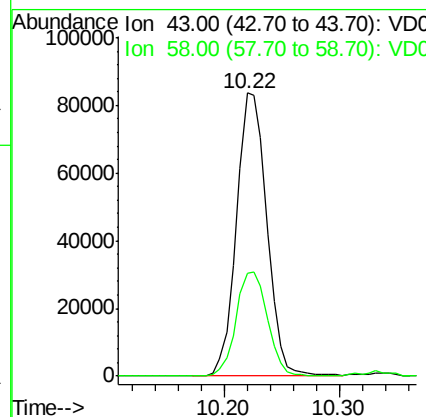
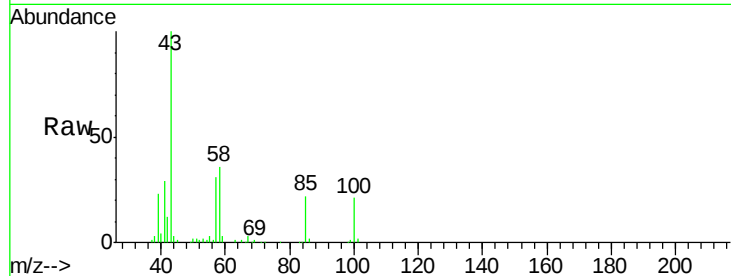
43 100

58 38.0 31.4 47.2

Manual Integrations
APPROVED

MMDadoda

8/31/2020 11:58:37 AM



#52

Toluene

Concen: 50.935 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066464.D

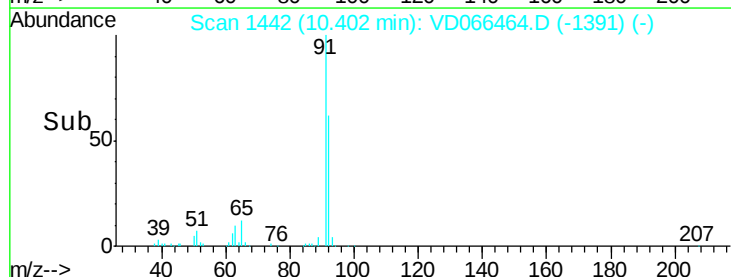
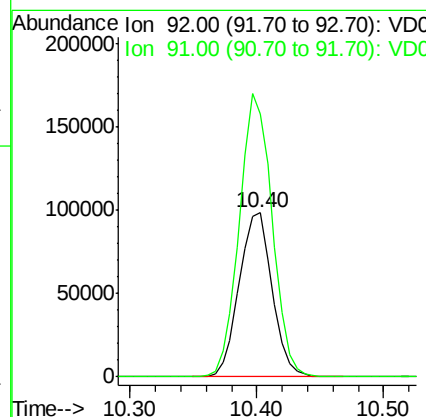
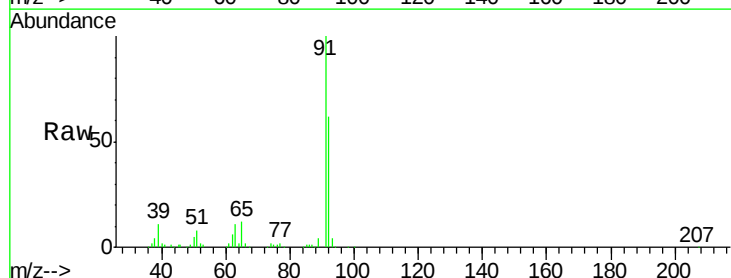
Acq: 28 Aug 2020 17:12

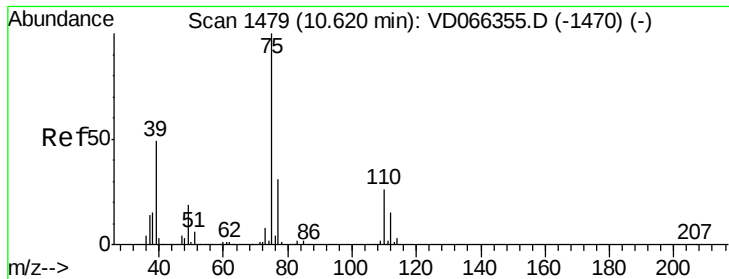
Tgt Ion: 92 Resp: 177570

Ion Ratio Lower Upper

92 100

91 171.8 135.8 203.6





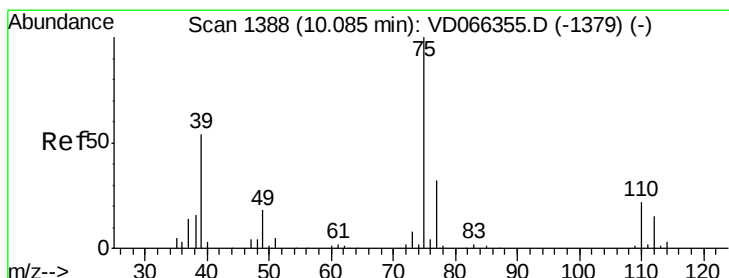
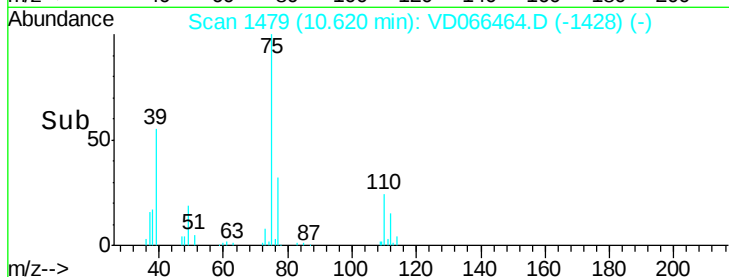
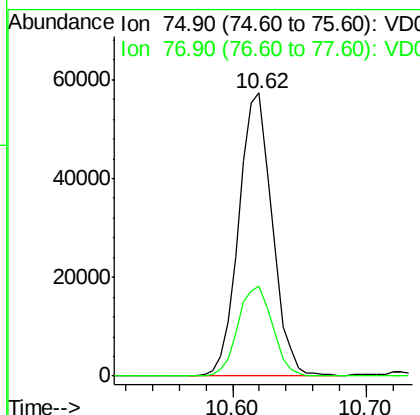
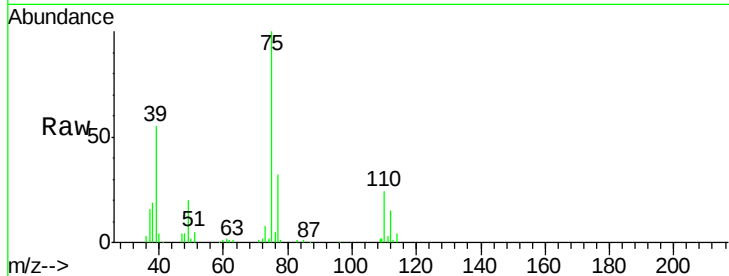
#53
 t-1,3-Dichloropropene
 Concen: 52.455 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MSD

Tot Ion: 75 Resp: 99420
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.5 36.7

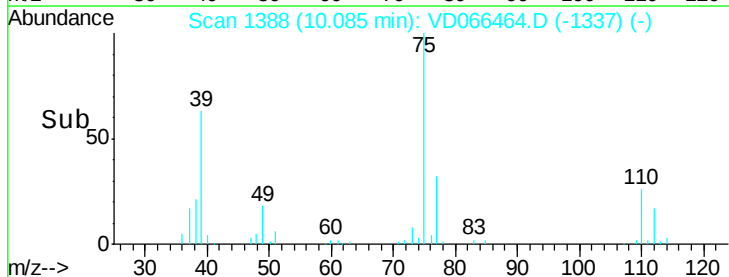
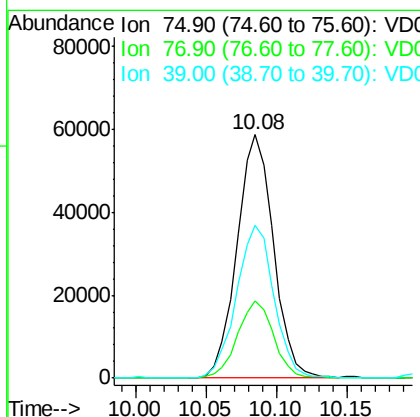
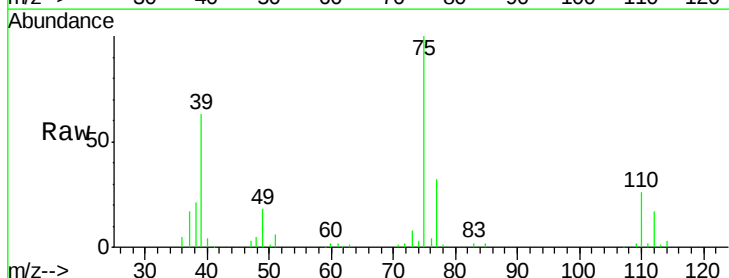
Manual Integrations
 APPROVED

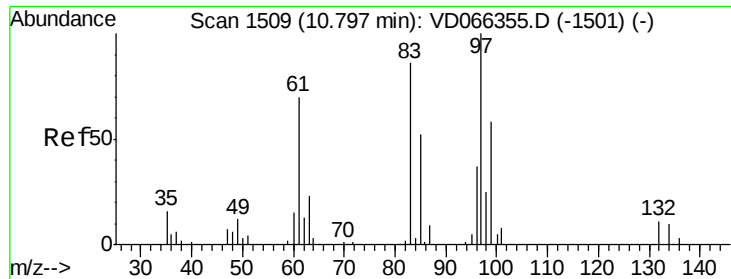
MMDadoda
 8/31/2020 11:58:37 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.936 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Tgt Ion: 75 Resp: 106235
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4
 39 62.9 43.4 65.0





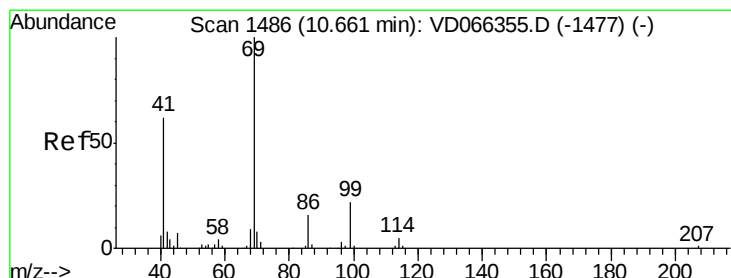
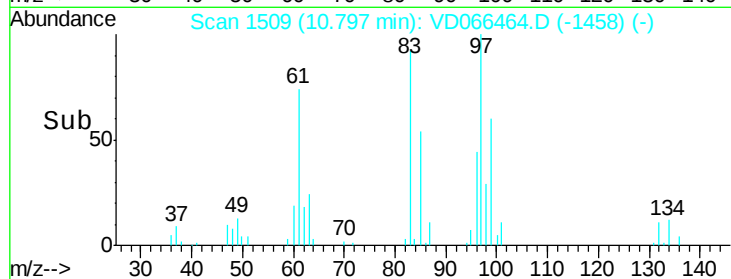
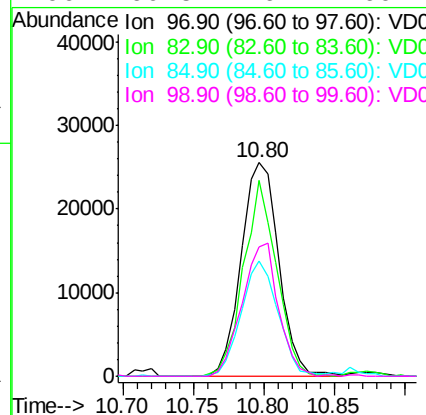
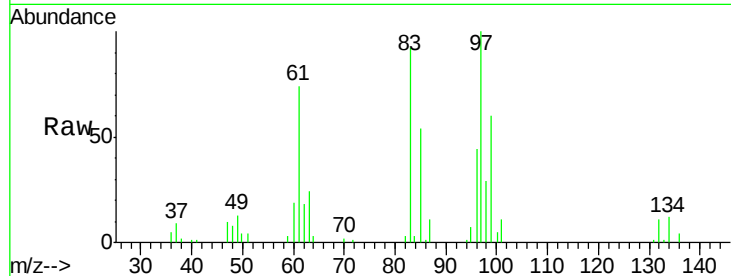
#55
 1,1,2-Trichloroethane
 Concen: 48.701 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MSD

Tot Ion	97	Resp	47887
Ion	Ratio	Lower	Upper
97	100		
83	91.6	68.4	102.6
85	54.1	41.3	61.9
99	60.5	46.1	69.1

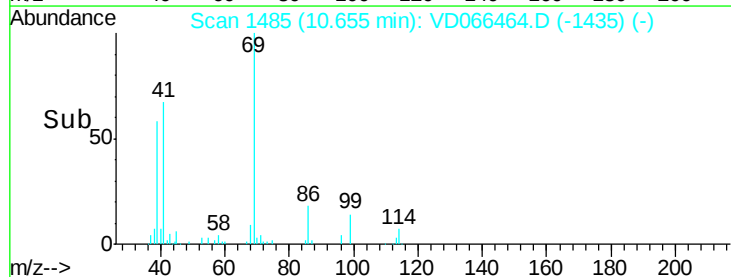
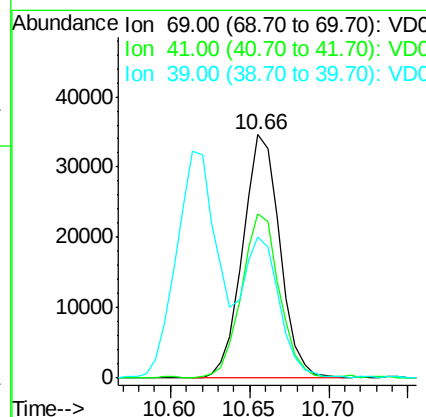
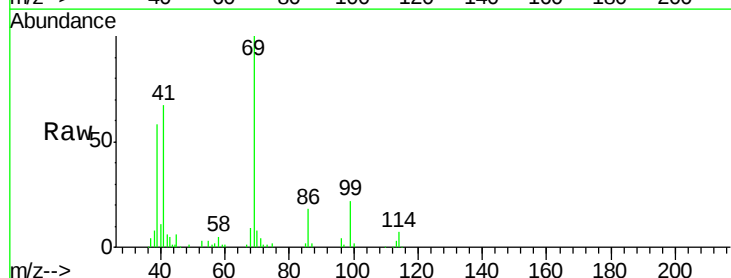
Manual Integrations
 APPROVED

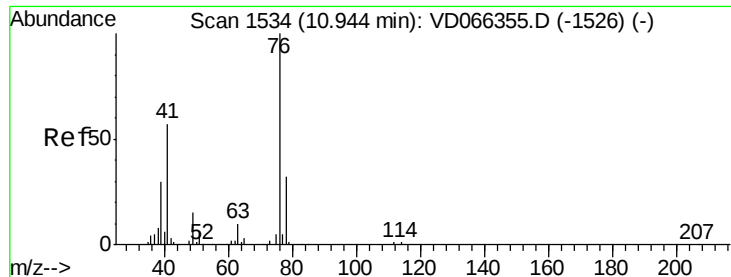
MMDadoda
 8/31/2020 11:58:37 AM



#56
 Ethyl methacrylate
 Concen: 49.517 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Tgt Ion	69	Resp	56364
Ion	Ratio	Lower	Upper
69	100		
41	69.3	50.8	76.2
39	57.2	32.9	49.3#





#57

1,3-Dichloropropane

Concen: 49.560 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion: 76 Resp: 80607

Ion Ratio Lower Upper

76 100

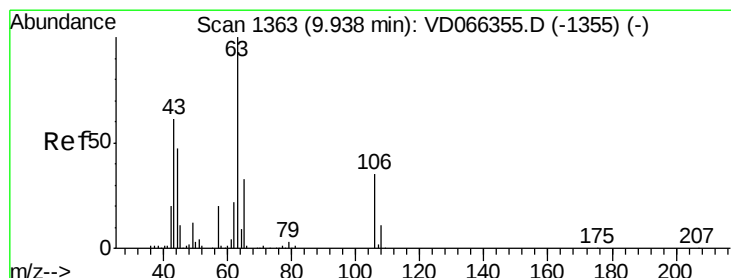
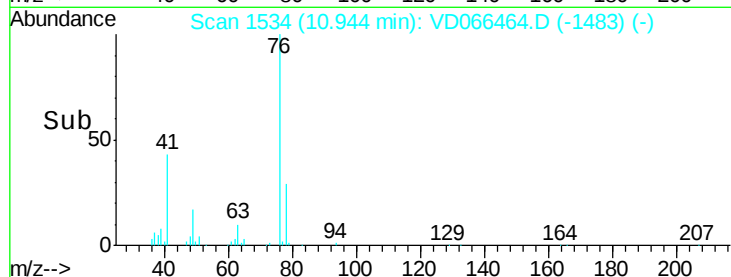
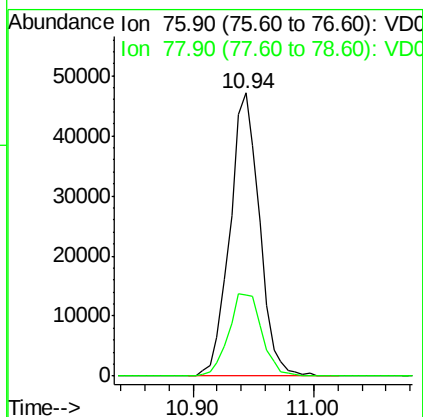
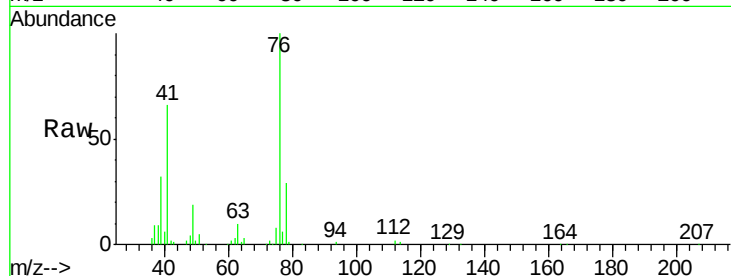
78 32.5 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

8/31/2020 11:58:37 AM



#58

2-Chloroethyl Vinyl ether

Concen: 248.129 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066464.D

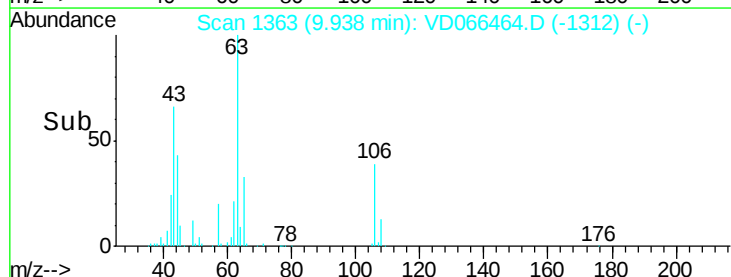
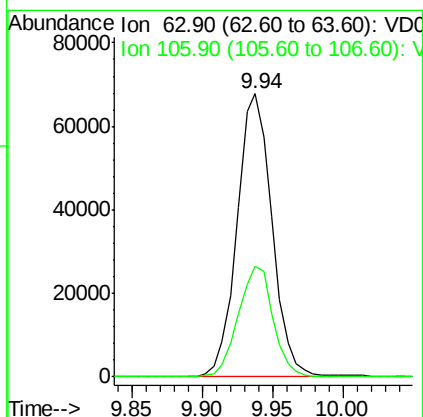
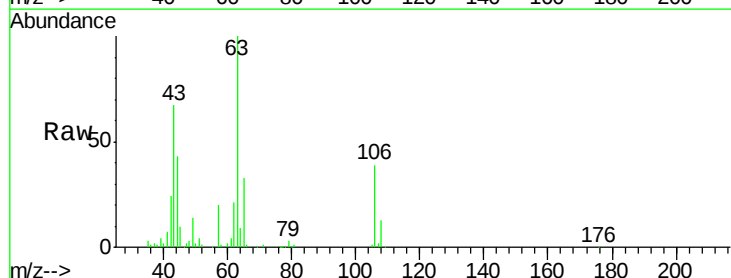
Acq: 28 Aug 2020 17:12

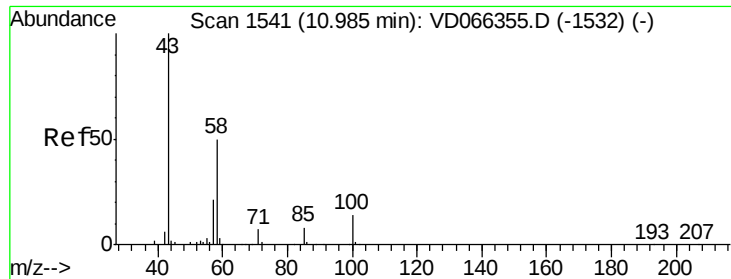
Tgt Ion: 63 Resp: 117304

Ion Ratio Lower Upper

63 100

106 39.0 27.1 40.7





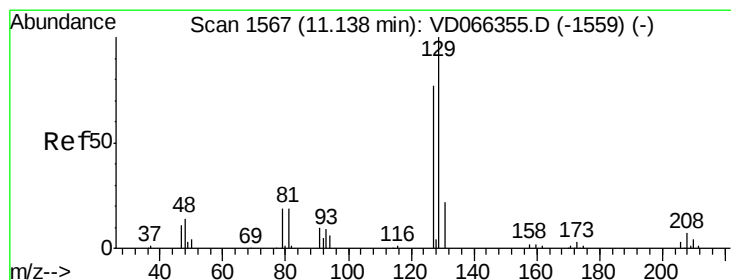
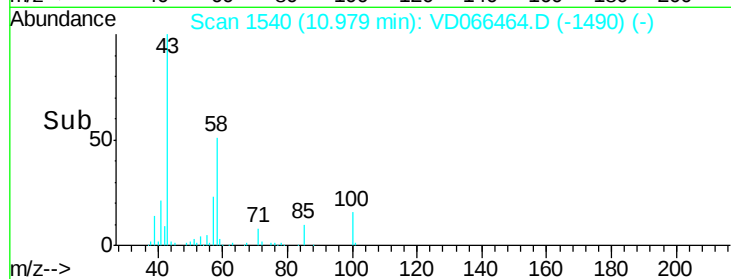
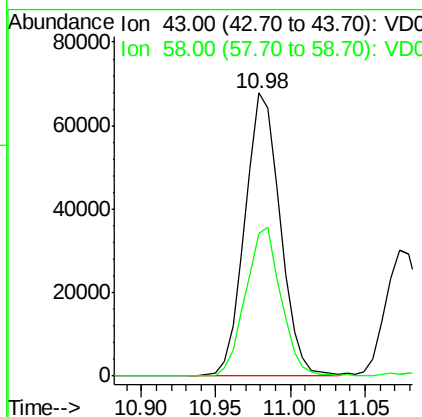
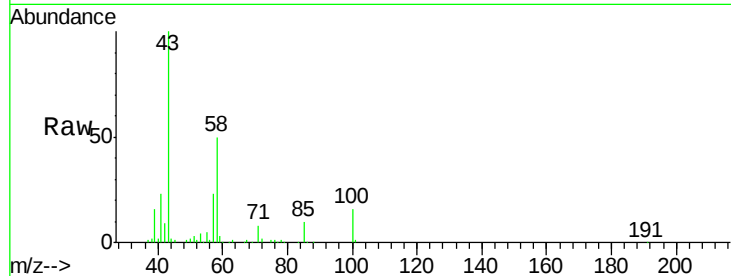
#59
2-Hexanone
Concen: 243.929 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.3	78.8

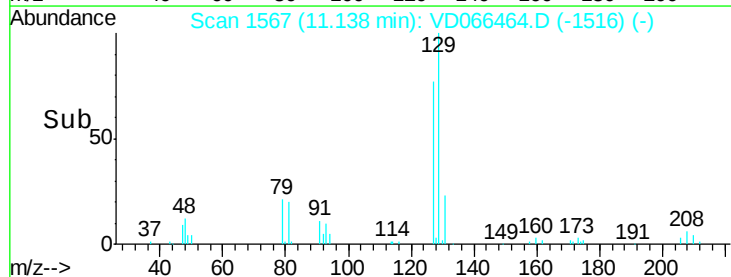
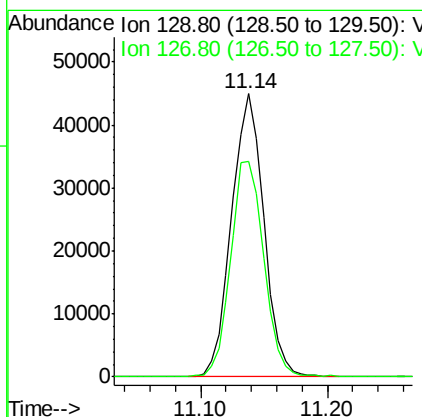
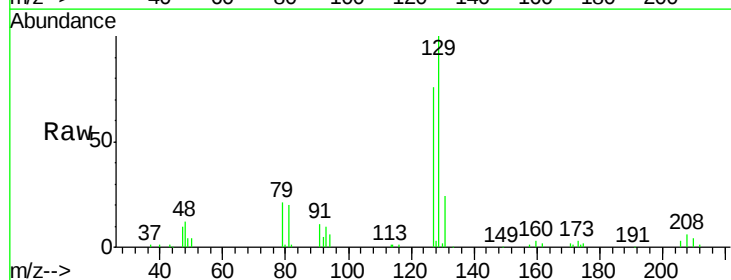
Manual Integrations
APPROVED

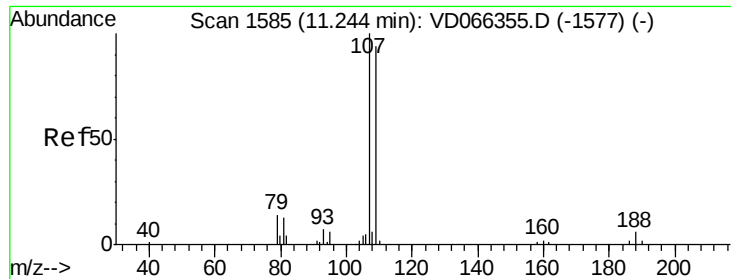
MMDadoda
8/31/2020 11:58:37 AM



#60
Dibromochloromethane
Concen: 53.549 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.0	117.0





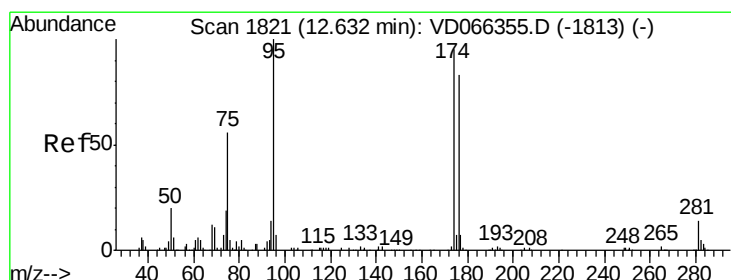
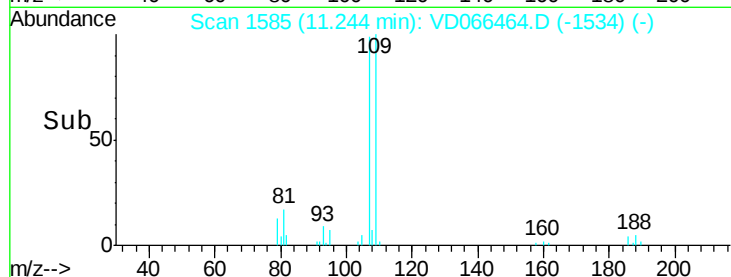
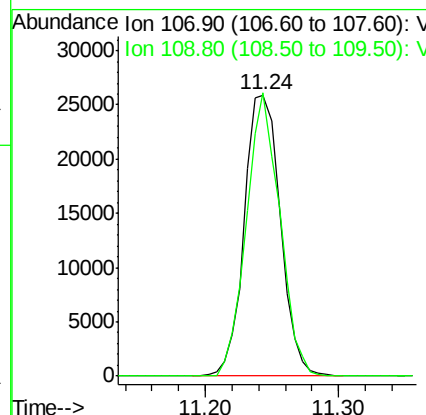
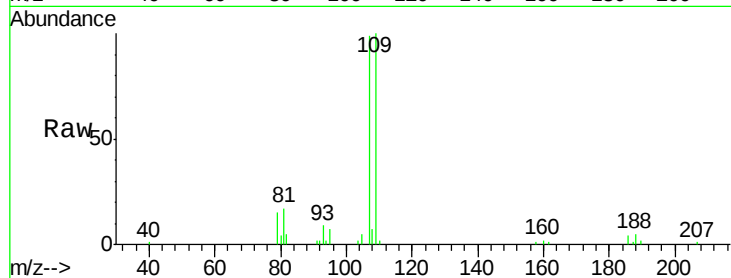
#61
 1,2-Dibromoethane
 Concen: 49.896 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	77.8	116.8

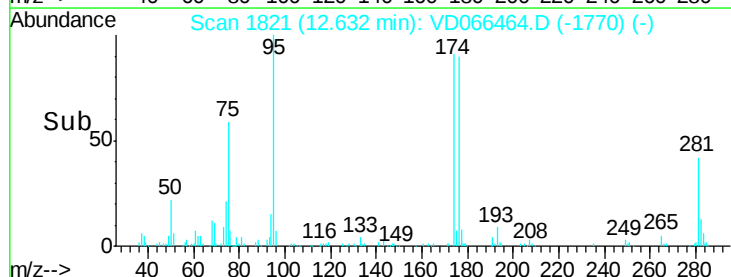
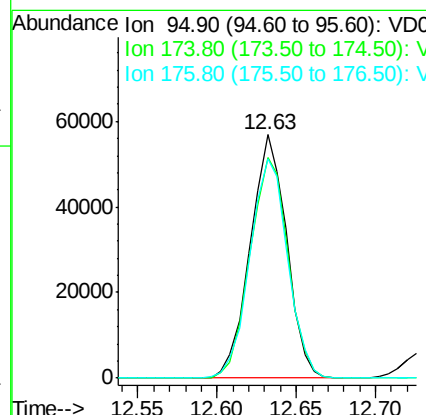
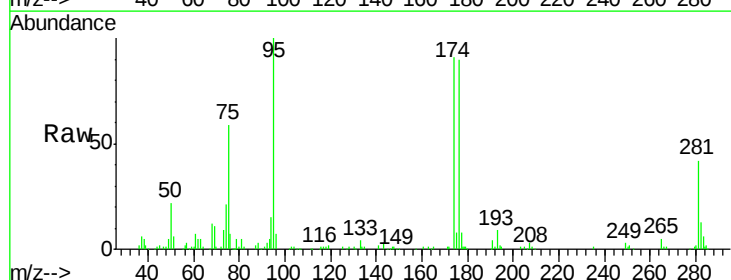
Manual Integrations
 APPROVED

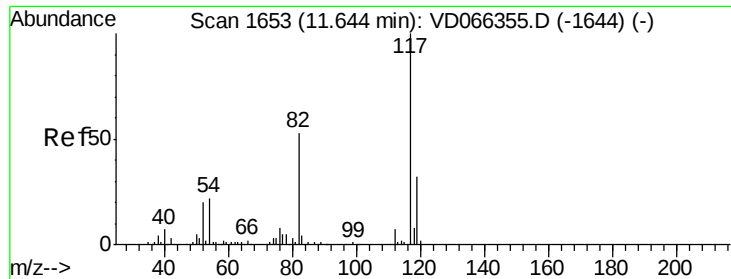
MMDadoda
 8/31/2020 11:58:37 AM



#62
 4-Bromofluorobenzene
 Concen: 52.161 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	183.4
176	93.9	0.0	173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

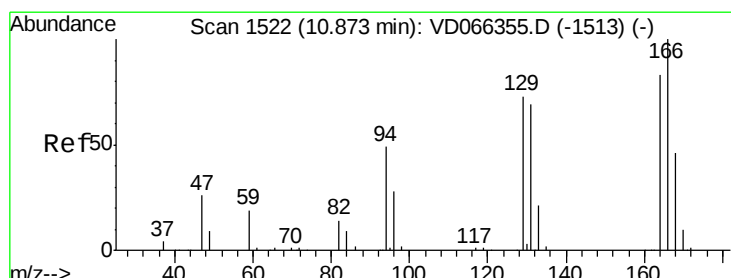
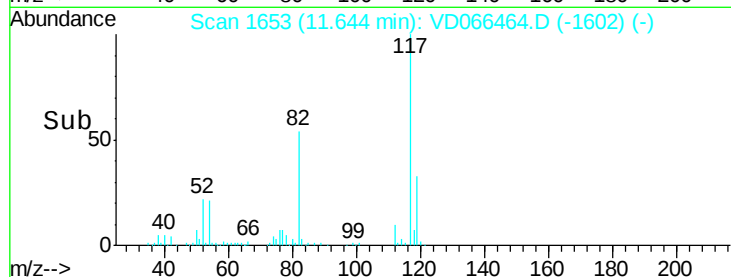
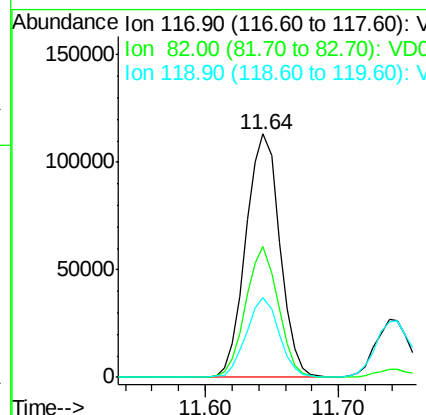
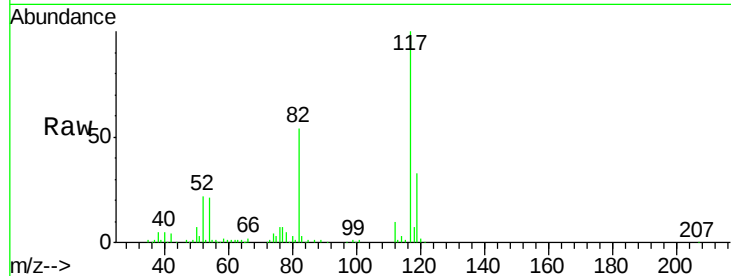
ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion:	117	Resp:	198933
Ion Ratio	Lower	Upper	
117	100		
82	53.9	42.8	64.2
119	32.7	25.8	38.8

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:58:37 AM



#64

Tetrachloroethene

Concen: 50.811 ug/l

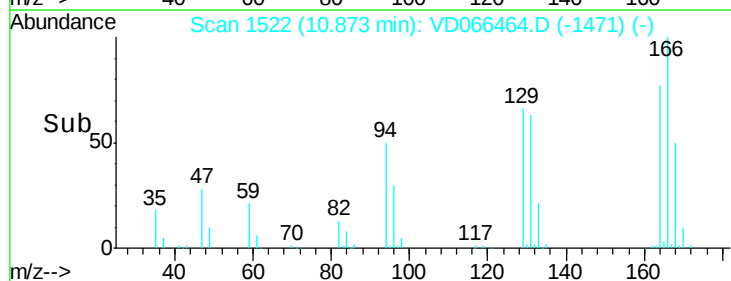
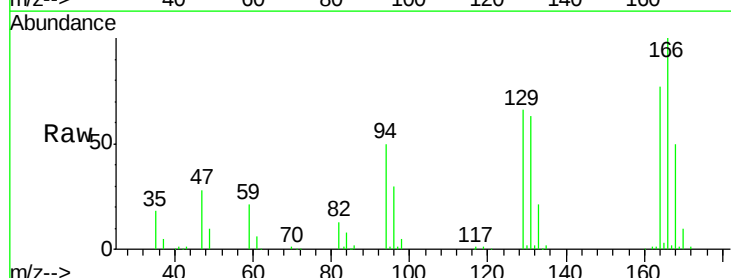
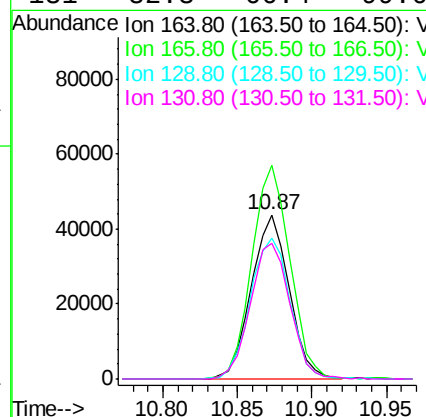
RT: 10.87 min Scan# 1522

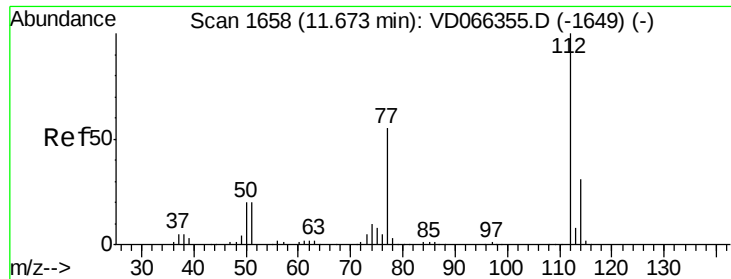
Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Tgt Ion:	164	Resp:	76679
Ion Ratio	Lower	Upper	
164	100		
166	129.9	96.2	144.4
129	85.9	70.3	105.5
131	82.3	66.4	99.6





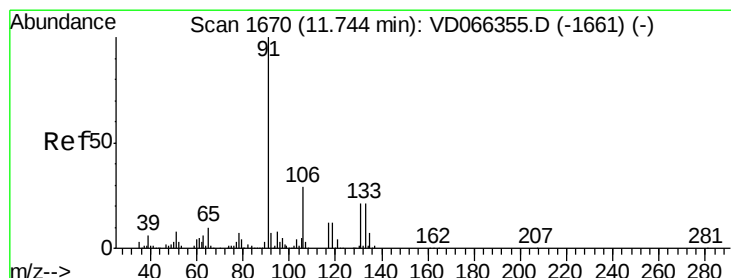
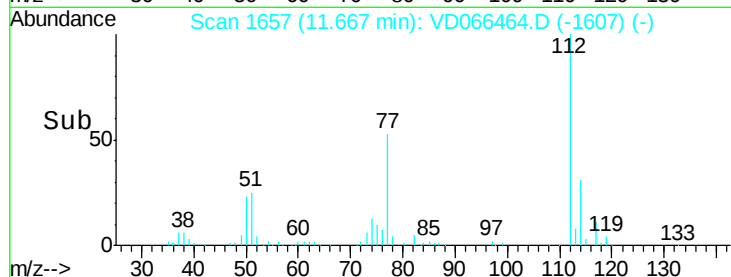
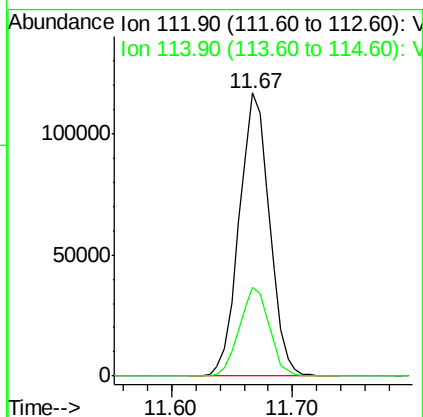
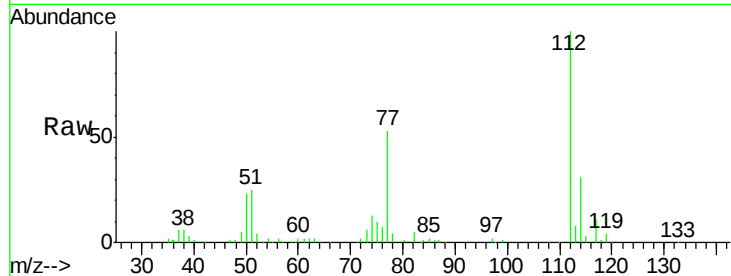
#65
Chlorobenzene
Concen: 51.792 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

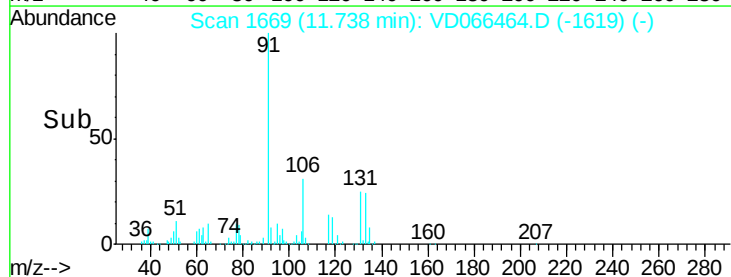
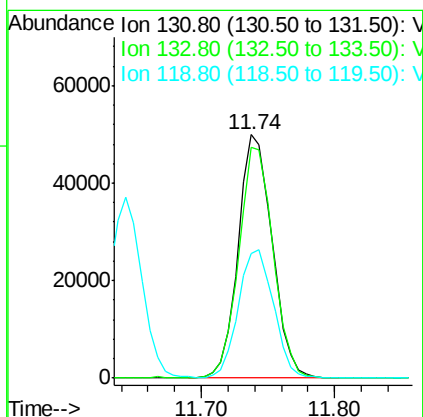
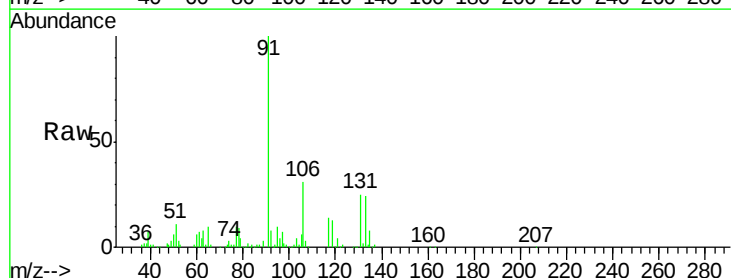
Manual Integrations
APPROVED

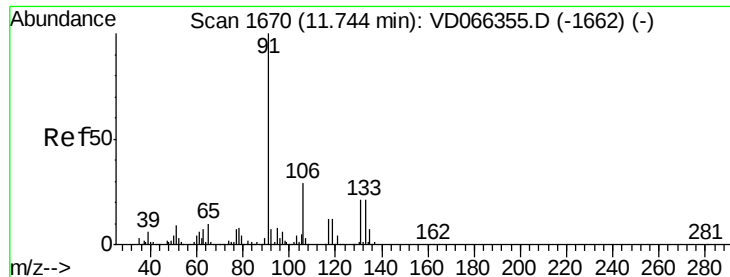
MMDadoda
8/31/2020 11:58:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.398 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.6	145.9
119	54.9	29.0	87.1





#67

Ethyl Benzene

Concen: 51.977 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion: 91 Resp: 362111

Ion Ratio Lower Upper

91 100

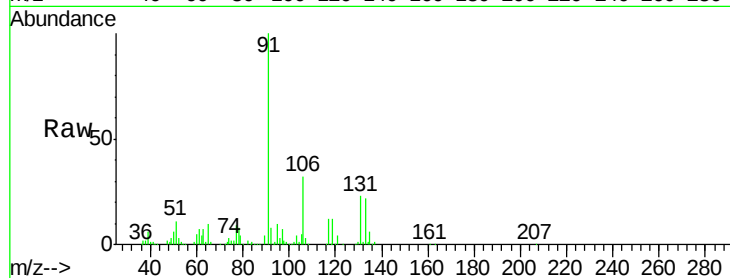
106 32.3 23.4 35.2

Manual Integrations

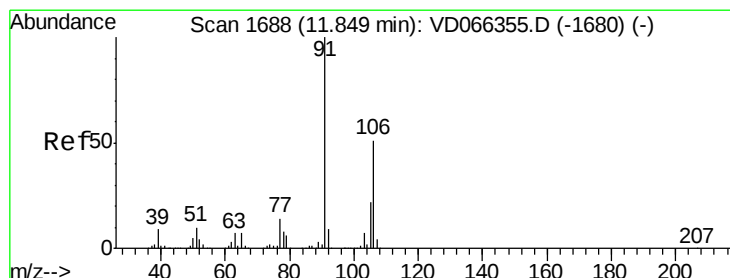
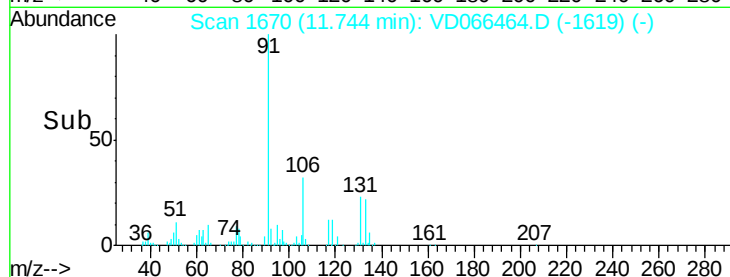
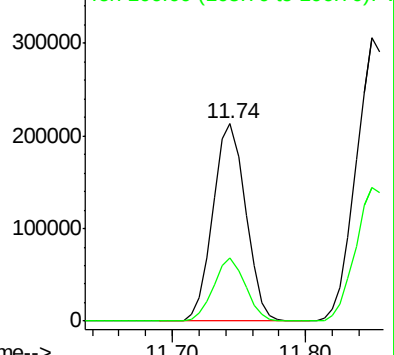
APPROVED

MMDadoda

8/31/2020 11:58:37 AM



Abundance Ion 91.00 (90.70 to 91.70): VD066464.D (-1670) (-)



#68

m/p-Xylenes

Concen: 105.613 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066464.D

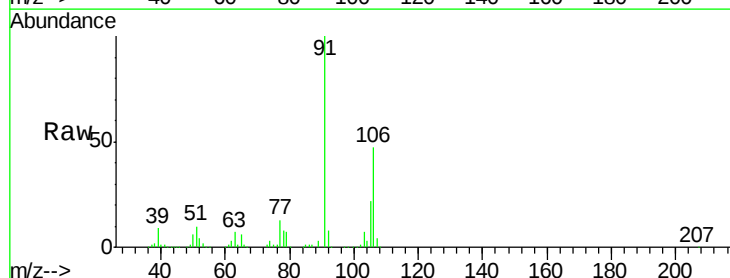
Acq: 28 Aug 2020 17:12

Tgt Ion: 106 Resp: 280445

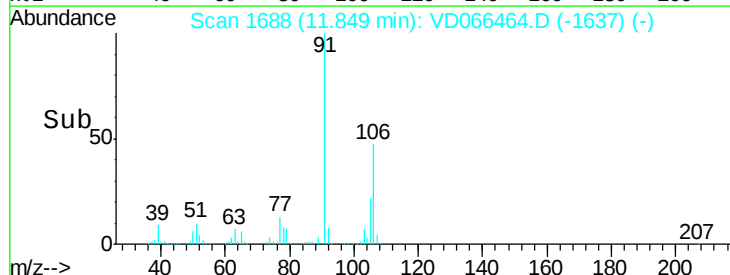
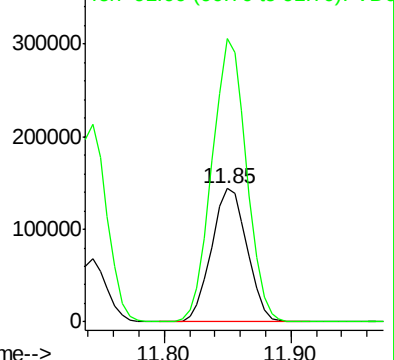
Ion Ratio Lower Upper

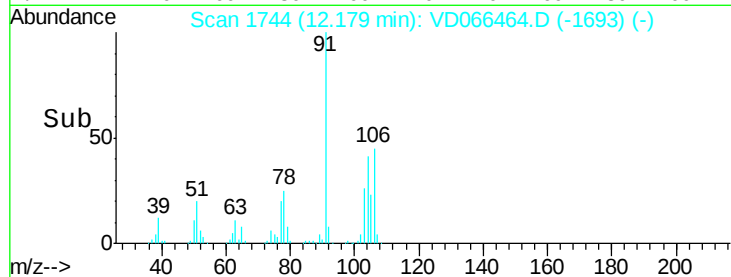
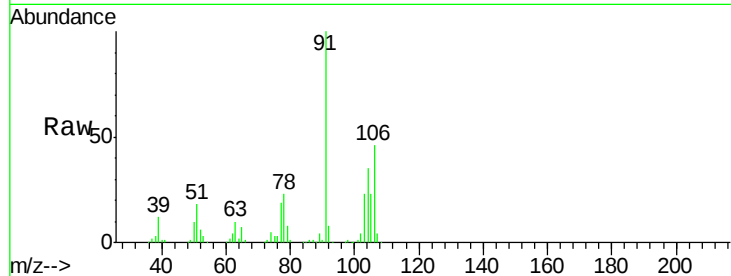
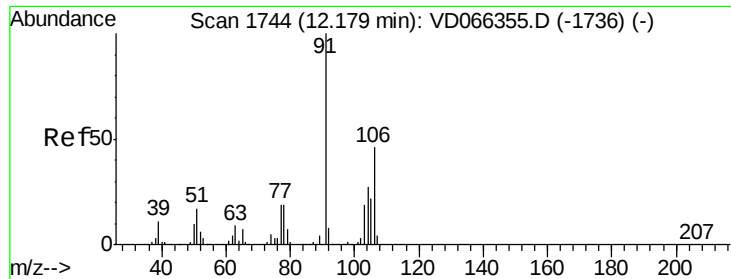
106 100

91 206.1 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): VD066464.D (-1688) (-)





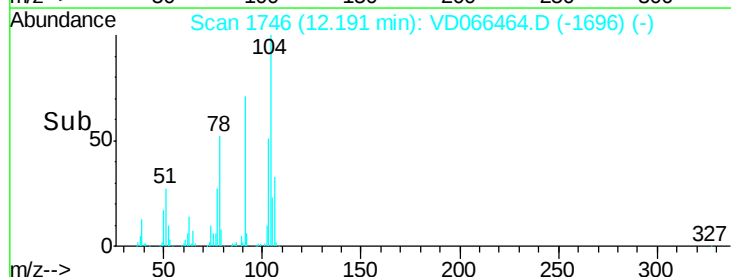
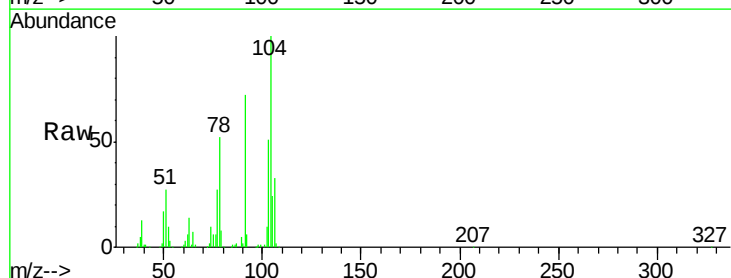
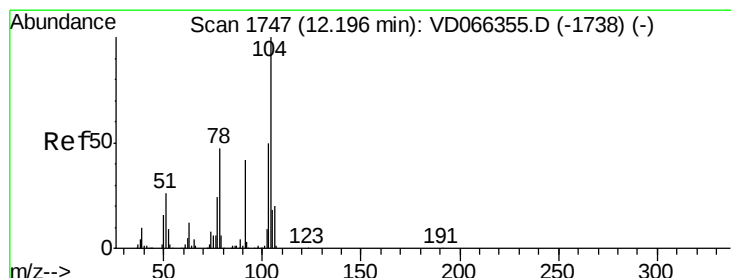
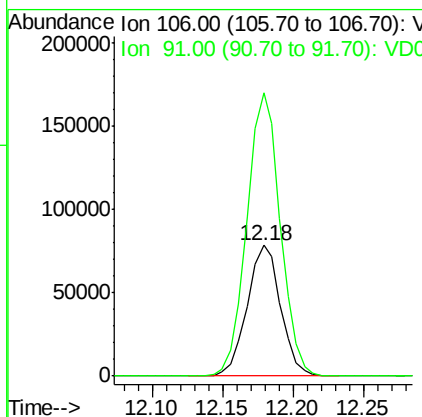
#69
o-Xylene
Concen: 52.773 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tot Ion	Ratio	Resp	Lower	Upper
106	100	130365		
91	217.2	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

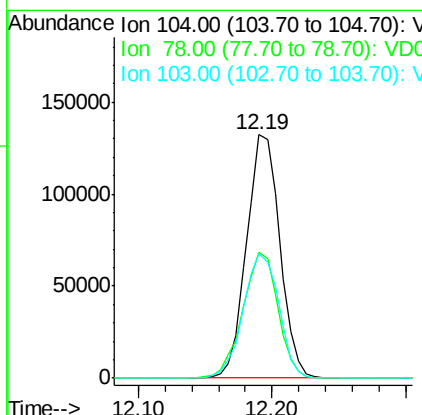
Manual Integrations
APPROVED

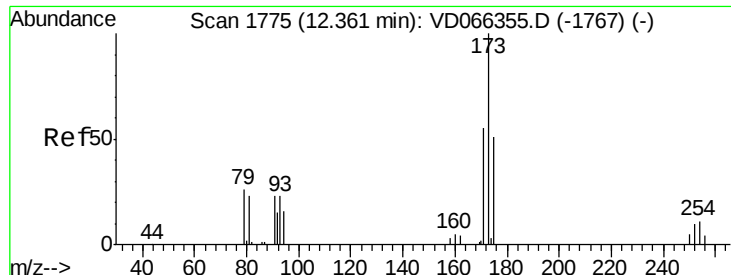
MMDadoda
8/31/2020 11:58:37 AM



#70
Styrene
Concen: 53.708 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	227807		
78	54.6	41.7	62.5	
103	54.7	43.5	65.3	





#71

Bromoform

Concen: 52.679 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion:173 Resp: 48340

Ion Ratio Lower Upper

173 100

175 49.3 24.8 74.3

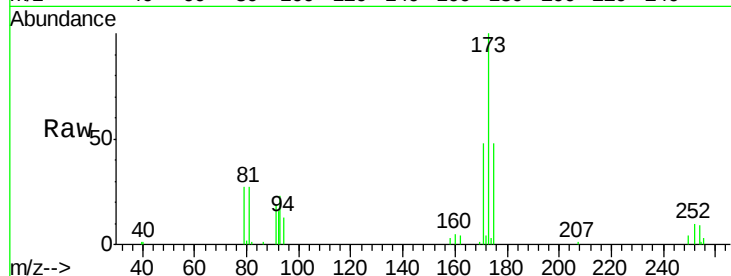
254 0.1 0.0 0.0#

Manual Integrations

APPROVED

MMDadoda

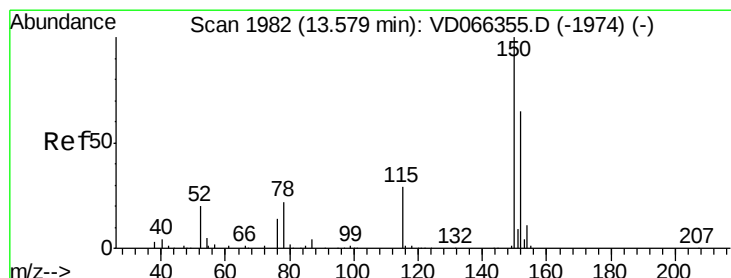
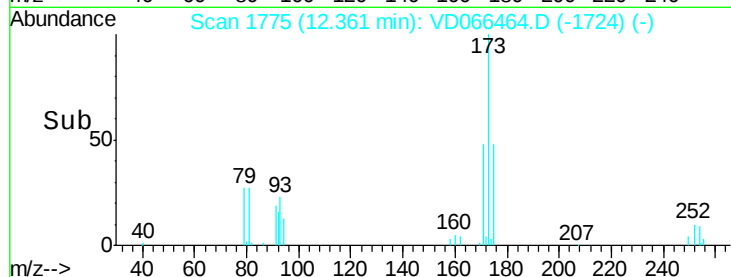
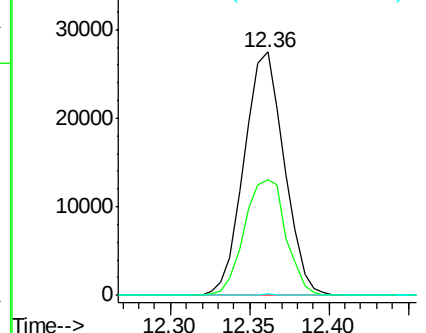
8/31/2020 11:58:37 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

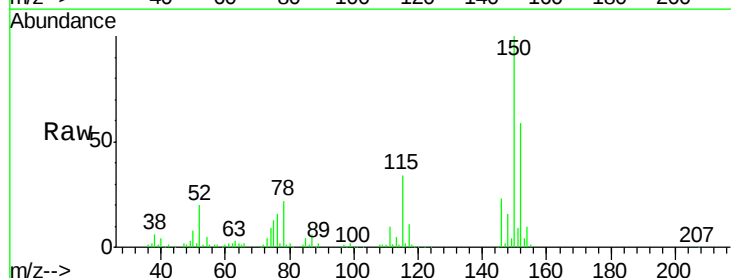
Tgt Ion:152 Resp: 107241

Ion Ratio Lower Upper

152 100

115 56.7 28.3 85.0

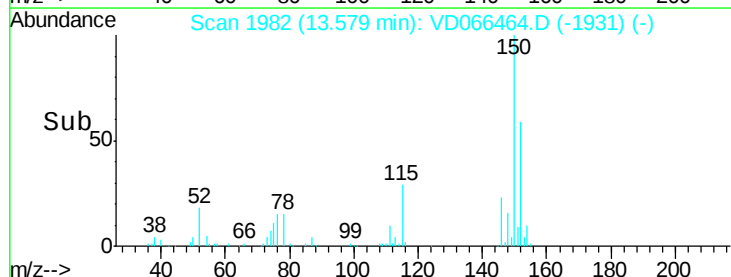
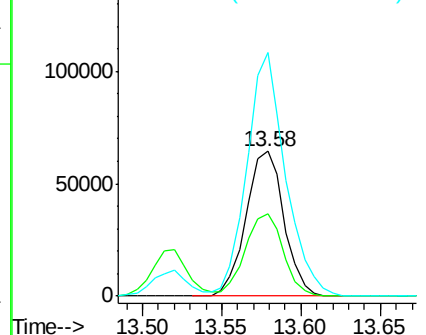
150 170.4 0.0 343.2

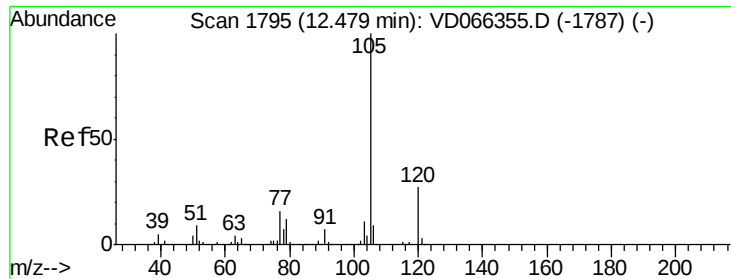


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





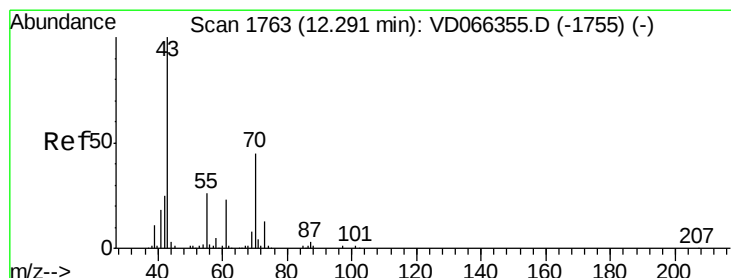
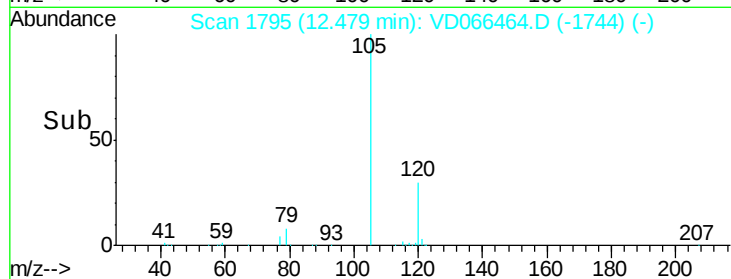
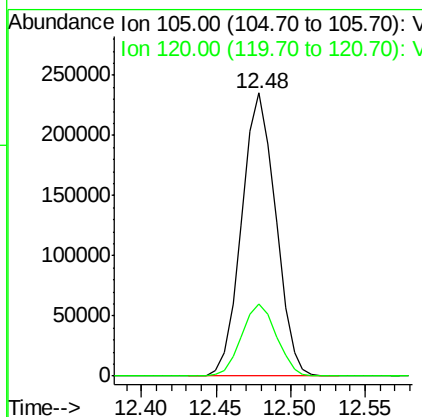
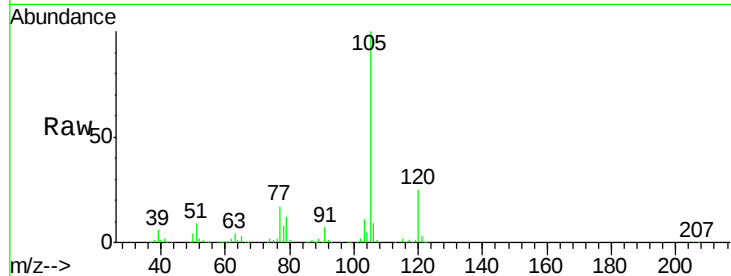
#73
Isopropylbenzene
Concen: 51.837 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.6	40.8

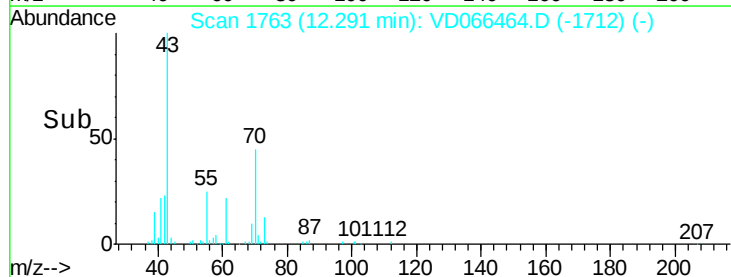
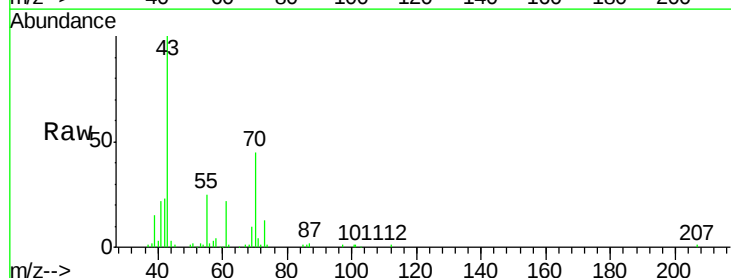
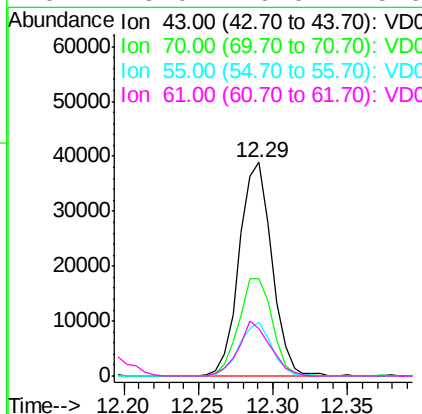
Manual Integrations
APPROVED

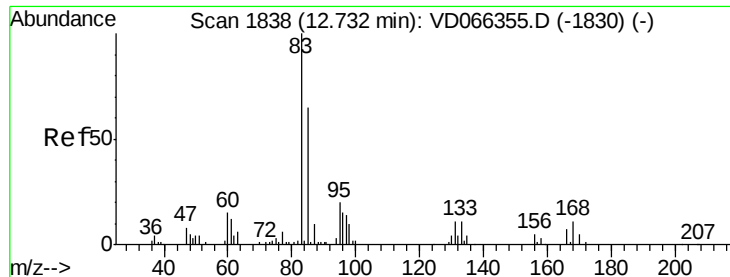
MMDadoda
8/31/2020 11:58:37 AM



#74
N-ethyl acetate
Concen: 45.510 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.8	34.8	52.2
55	24.9	20.3	30.5
61	25.0	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.177 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

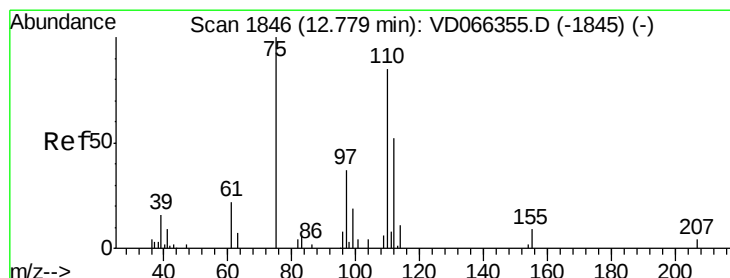
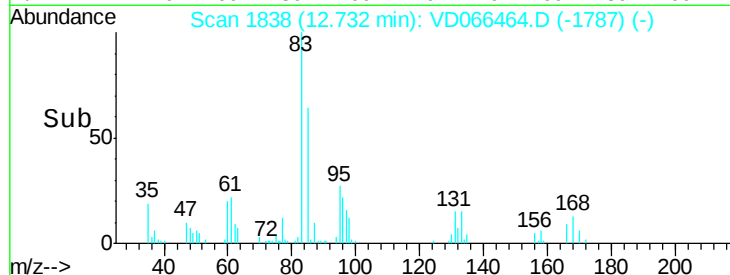
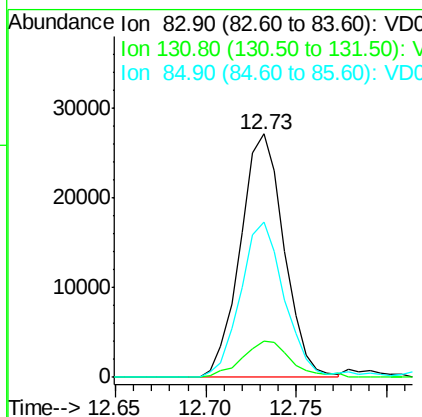
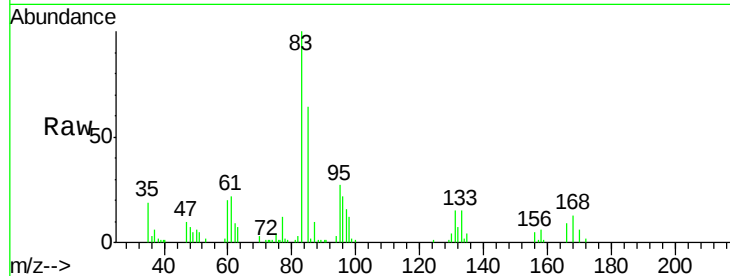
ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion:	83	Resp:	45337
Ion	Ratio	Lower	Upper
83	100		
131	16.6	7.0	20.9
85	63.5	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:58:37 AM



#76

1,2,3-Trichloropropane

Concen: 53.822 ug/l m

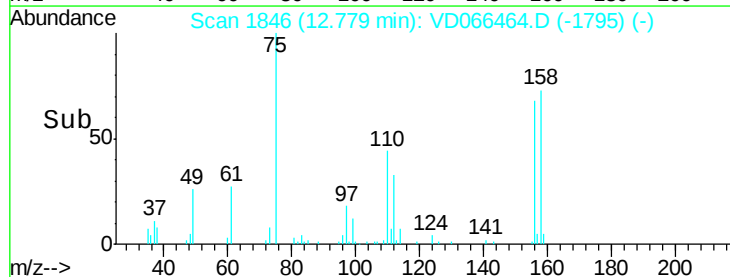
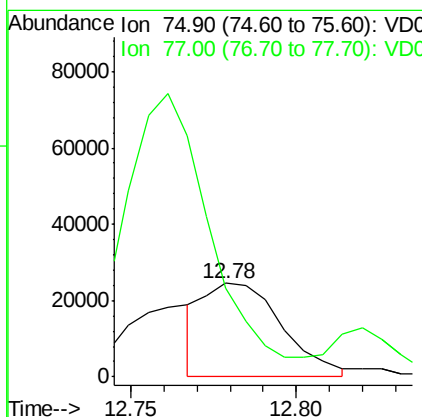
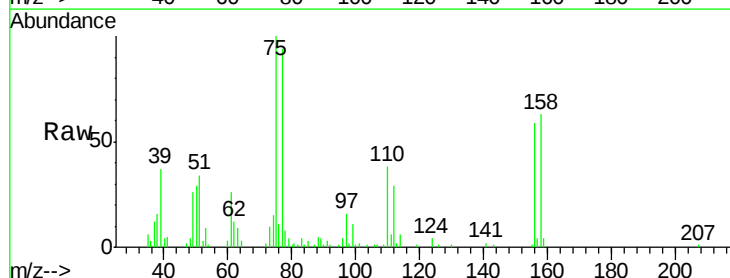
RT: 12.78 min Scan# 1846

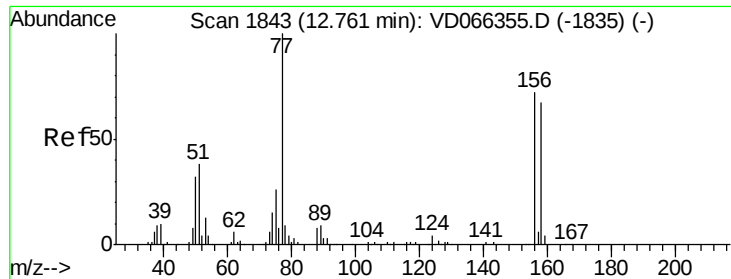
Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Tgt Ion:	75	Resp:	40606
Ion	Ratio	Lower	Upper
75	100		
77	339.2	182.9	548.9





#77

Bromobenzene

Concen: 51.551 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

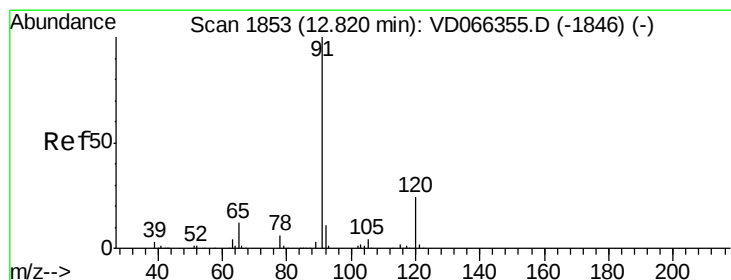
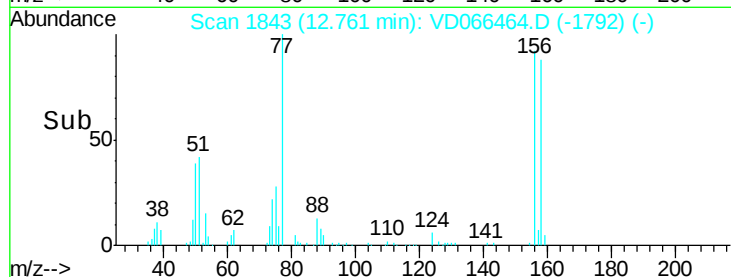
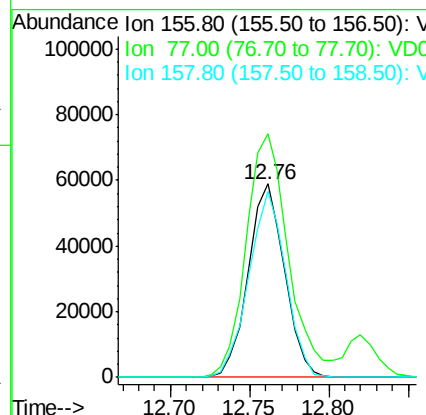
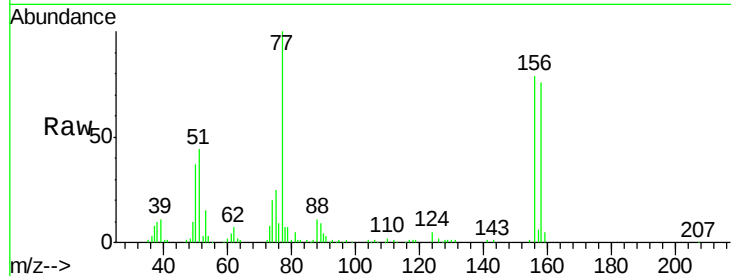
ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	146.5	76.1	228.3	
158	97.5	47.6	142.9	

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:58:37 AM



#78

n-propylbenzene

Concen: 49.500 ug/l

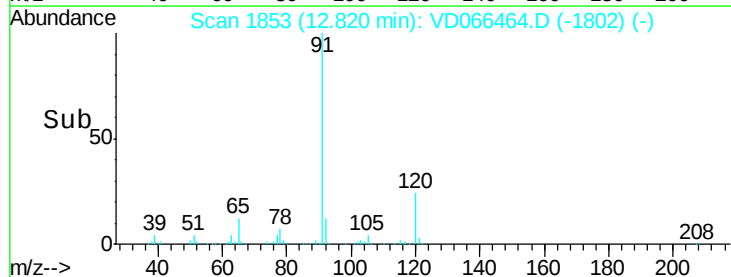
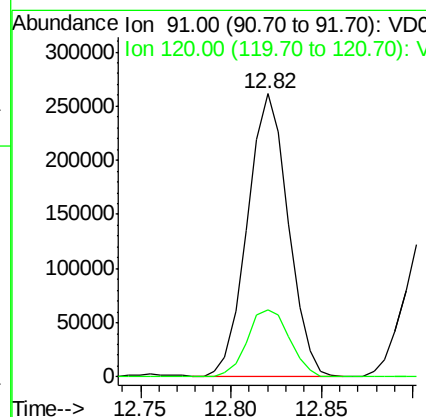
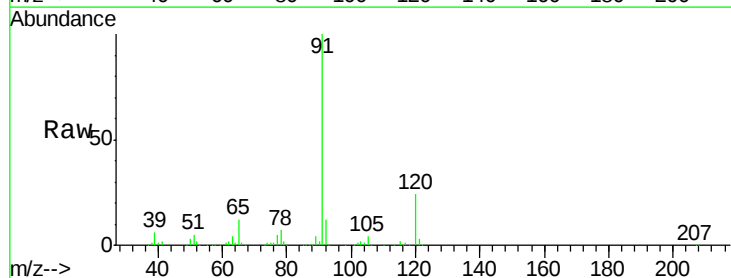
RT: 12.82 min Scan# 1853

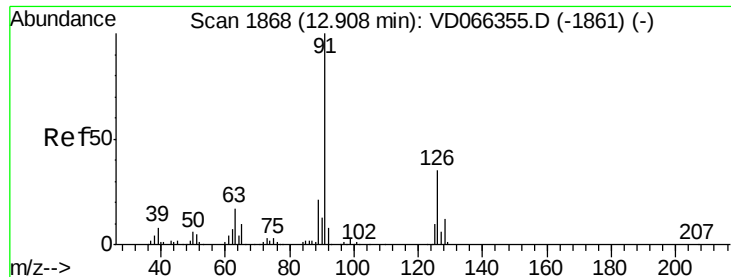
Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.8	12.0	36.0	





#79

2-Chlorotoluene

Concen: 49.495 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion: 91 Resp: 232853

Ion Ratio Lower Upper

91 100

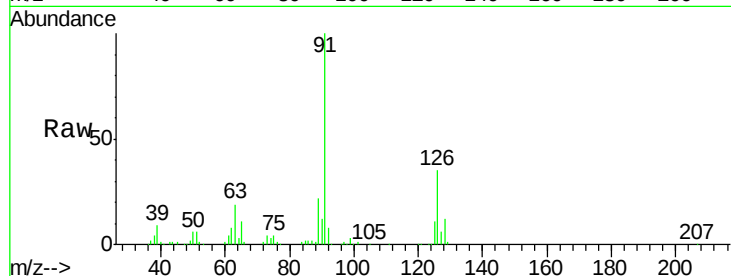
126 36.3 17.7 53.1

Manual Integrations

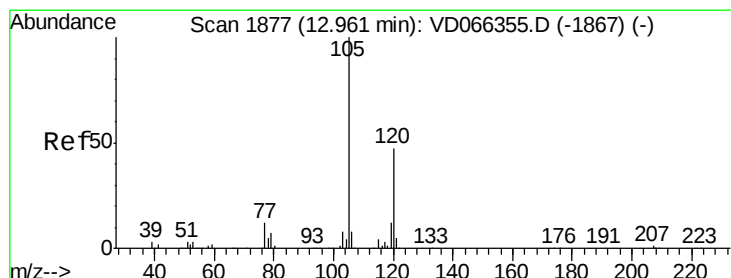
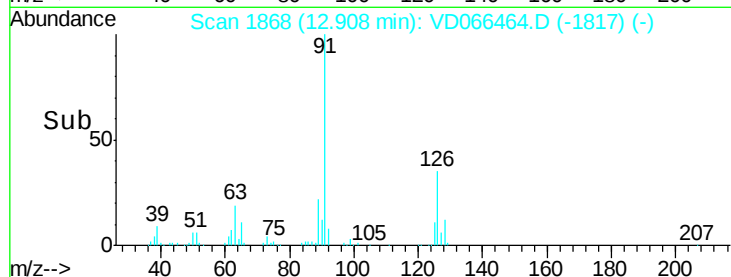
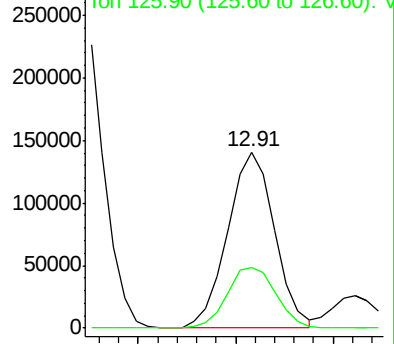
APPROVED

MMDadoda

8/31/2020 11:58:37 AM



Abundance Ion 91.00 (90.70 to 91.70): VD066464.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.525 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066464.D

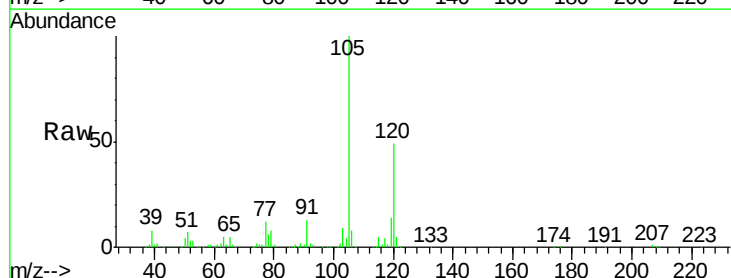
Acq: 28 Aug 2020 17:12

Tgt Ion:105 Resp: 325800

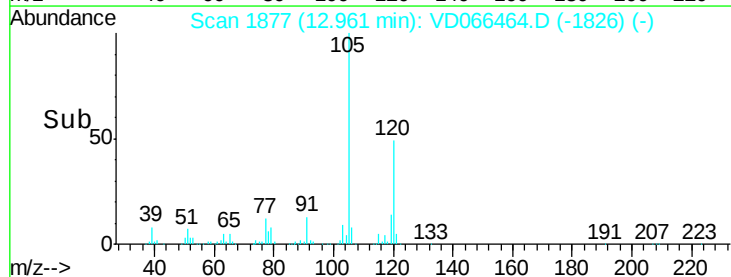
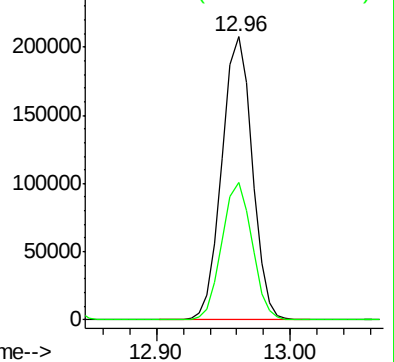
Ion Ratio Lower Upper

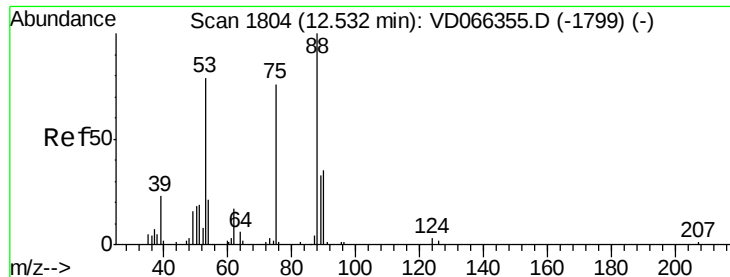
105 100

120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VD066464.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.347 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

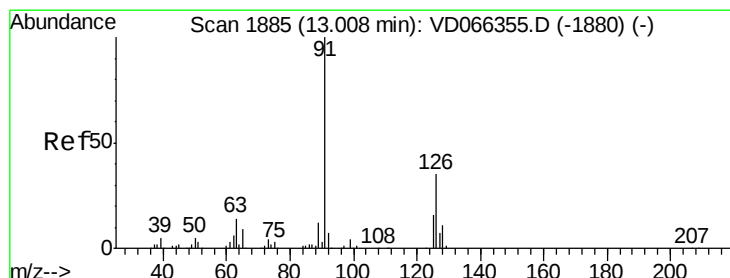
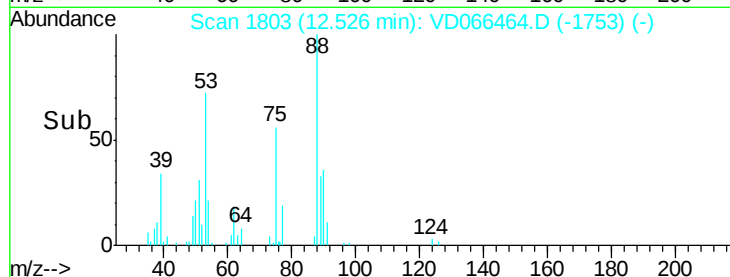
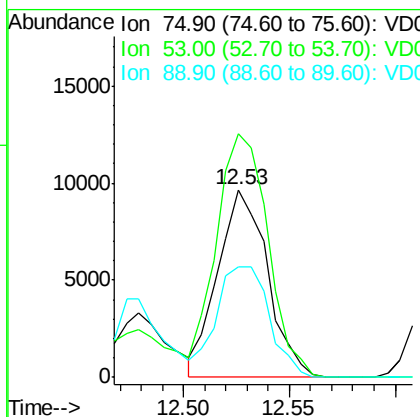
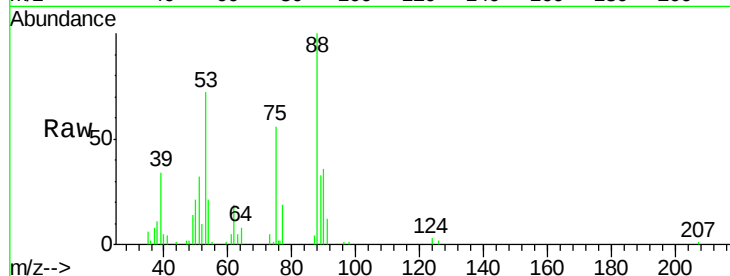
ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	135.2	87.4	131.2#
89	63.4	39.4	59.0#

Manual Integrations
APPROVED

MMDadoda
8/31/2020 11:58:37 AM



#82

4-Chlorotoluene

Concen: 50.951 ug/l

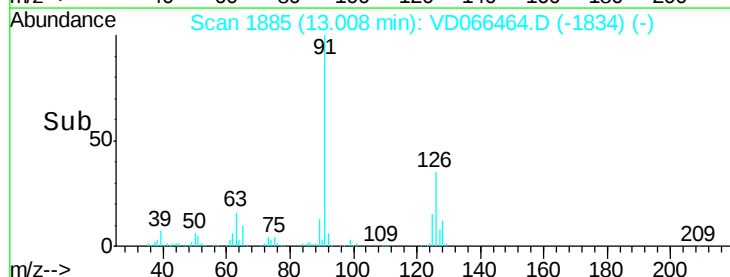
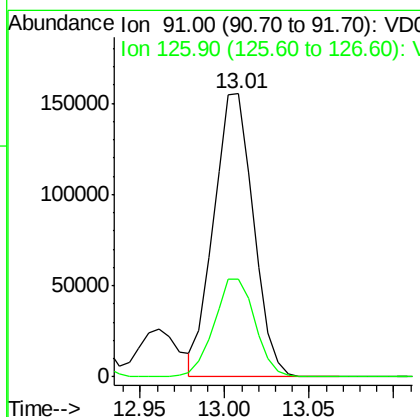
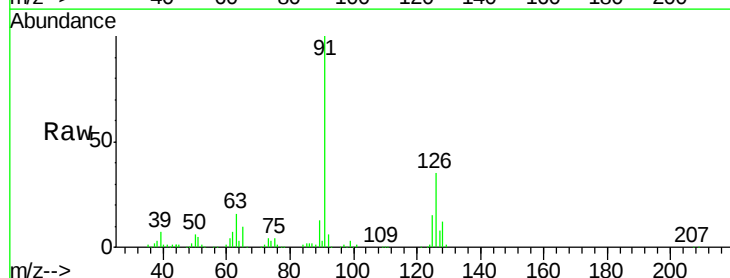
RT: 13.01 min Scan# 1885

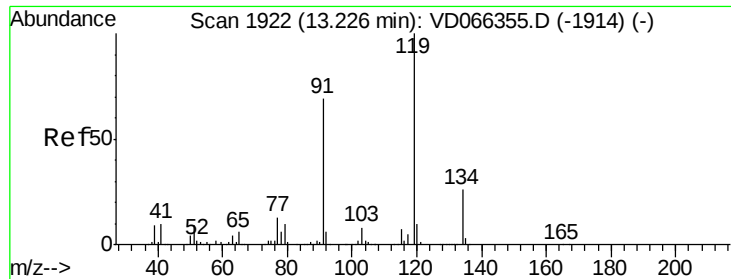
Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.4	52.2





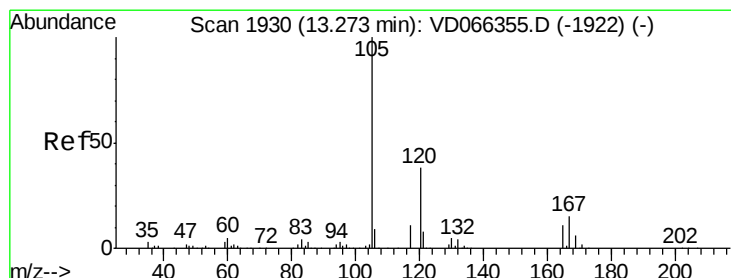
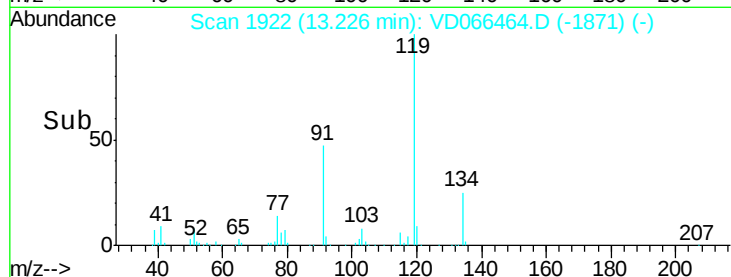
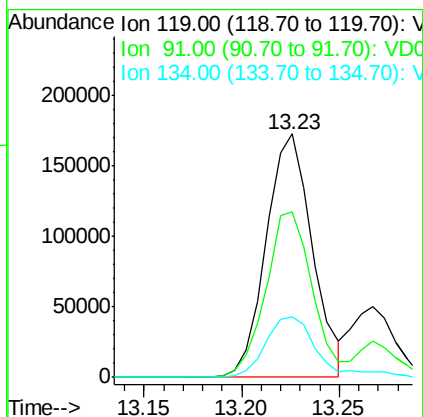
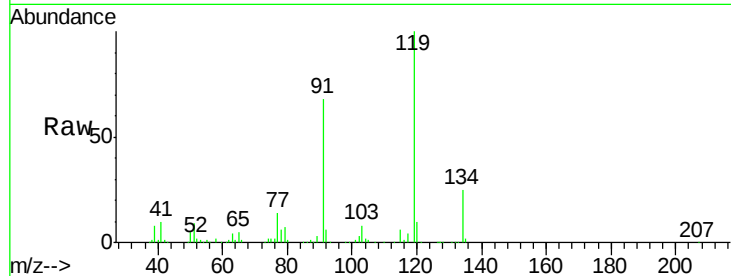
#83
tert-Butylbenzene
Concen: 52.567 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	283210		
91	69.1		33.5	100.5
134	28.0		13.5	40.4

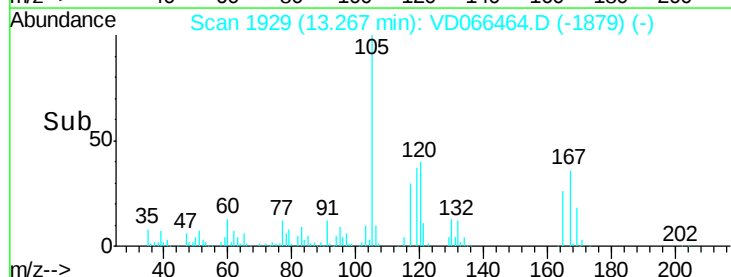
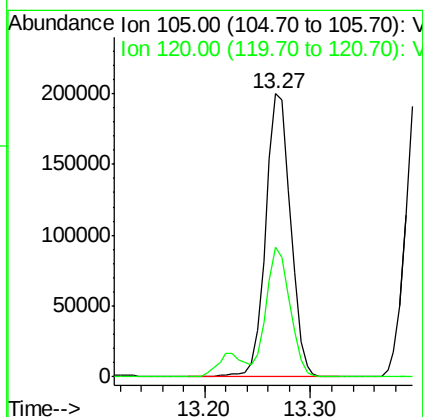
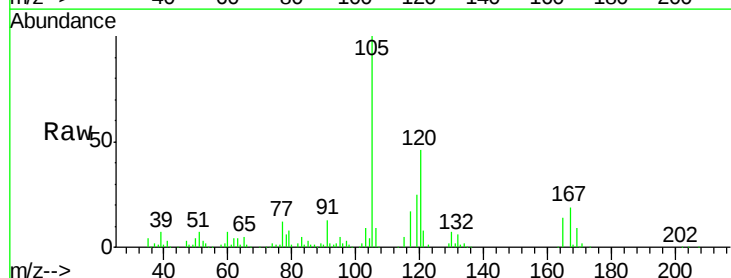
Manual Integrations
APPROVED

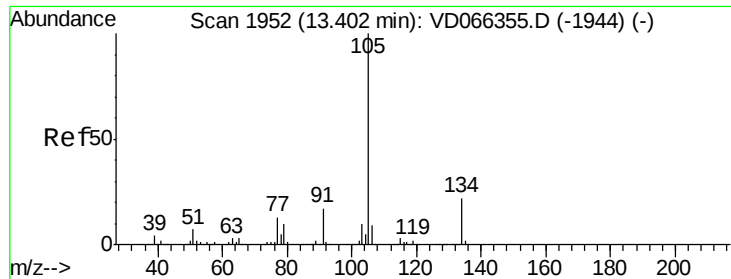
MMDadoda
8/31/2020 11:58:37 AM



#84
1,2,4-Trimethylbenzene
Concen: 53.416 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	325429		
120	43.8		22.6	67.7





#85

sec-Butylbenzene

Concen: 51.553 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

789UMR-TP11-0006-01MSD

Tot Ion:105 Resp: 363906

Ion Ratio Lower Upper

105 100

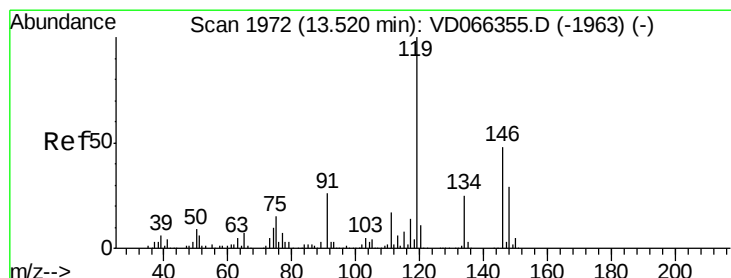
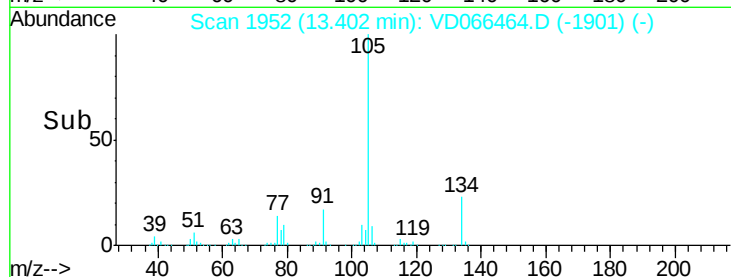
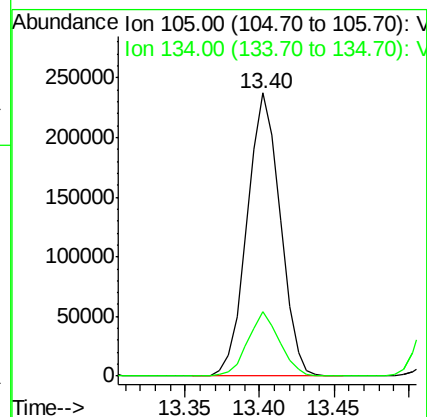
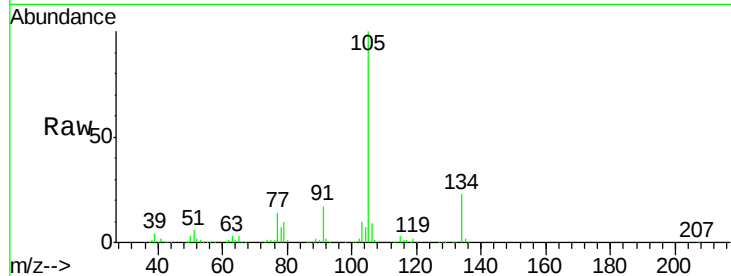
134 21.8 10.8 32.4

Manual Integrations

APPROVED

MMDadoda

8/31/2020 11:58:37 AM



#86

p-Isopropyltoluene

Concen: 53.755 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

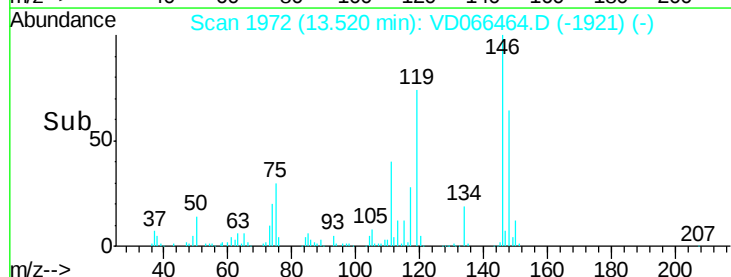
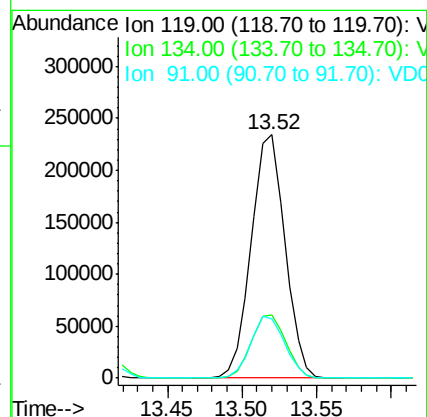
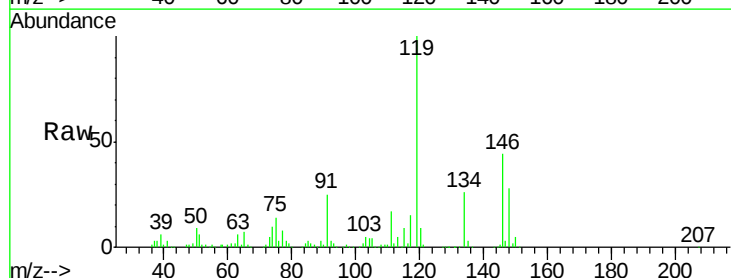
Tgt Ion:119 Resp: 365880

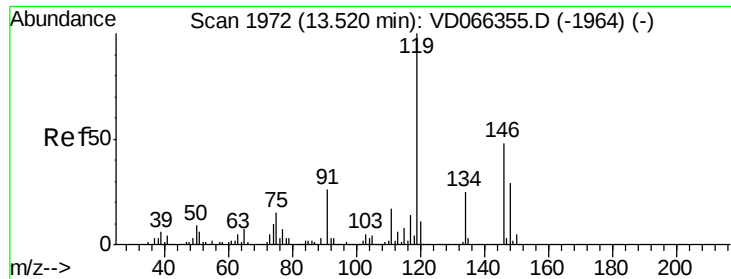
Ion Ratio Lower Upper

119 100

134 26.5 12.8 38.3

91 25.7 12.7 38.0





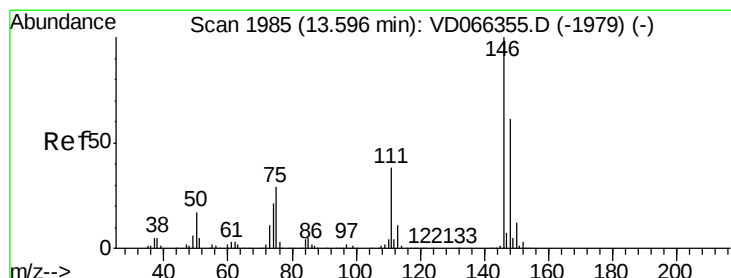
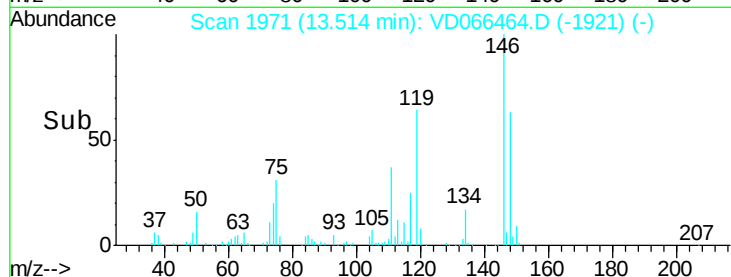
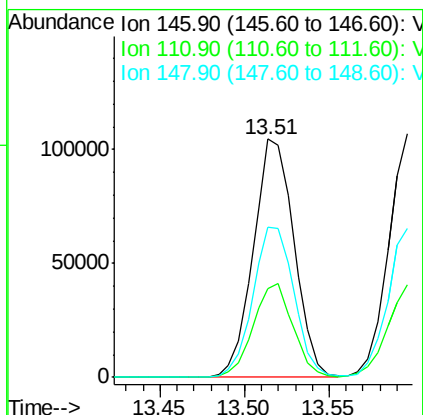
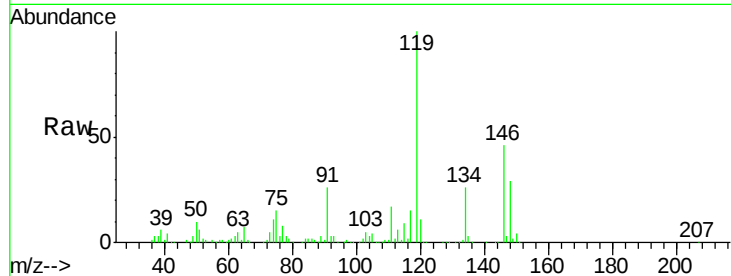
#87
 1,3-Dichlorobenzene
 Concen: 51.532 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	175399		
111	38.3	18.9	56.9	
148	63.6	31.8	95.3	

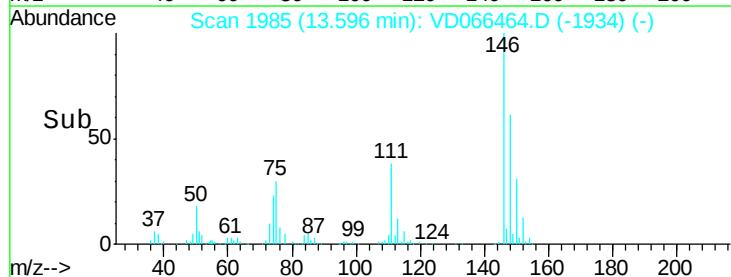
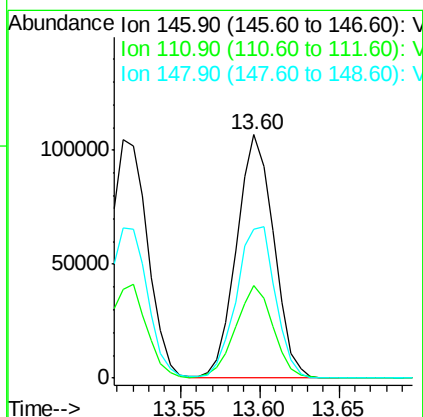
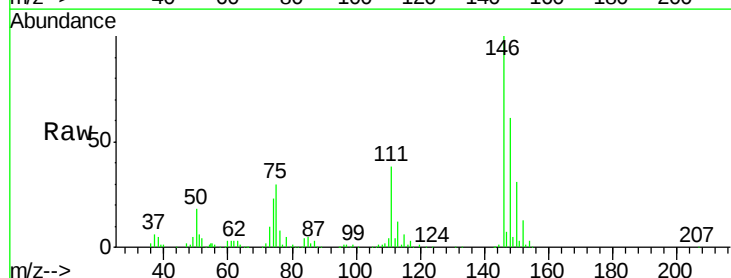
Manual Integrations
 APPROVED

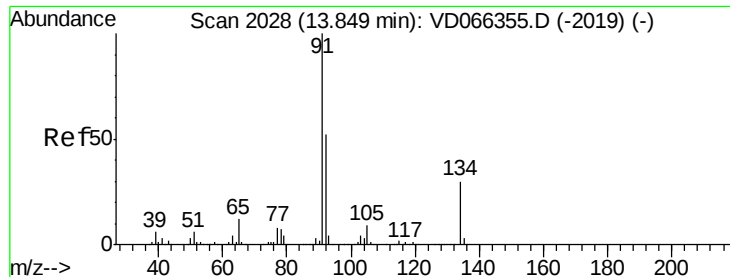
MMDadoda
 8/31/2020 11:58:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.040 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	174431		
111	38.3	19.1	57.5	
148	65.3	32.1	96.3	





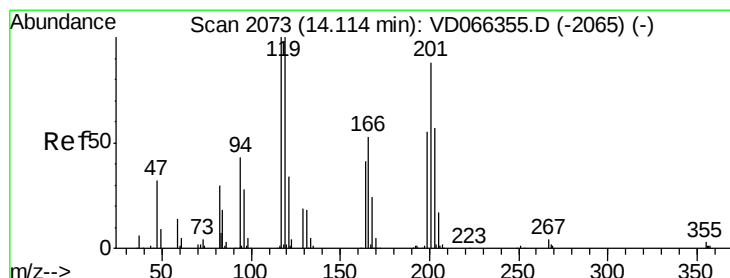
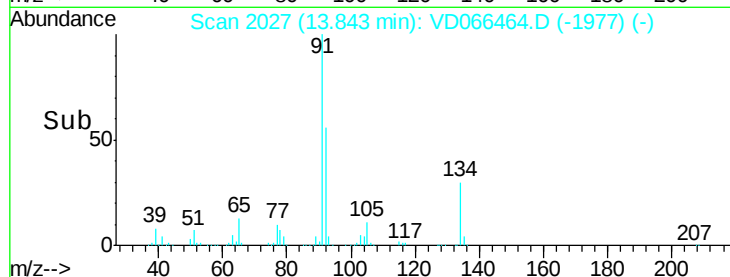
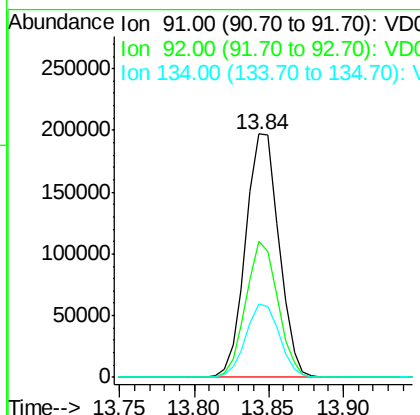
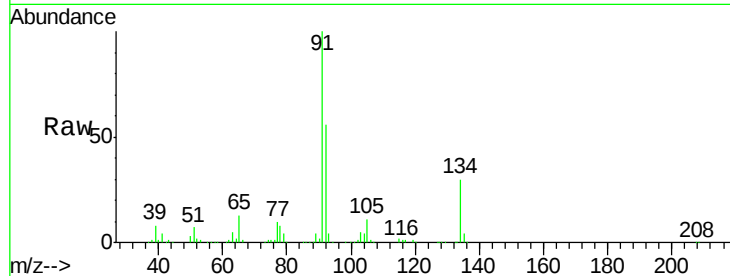
#89
n-Butylbenzene
Concen: 50.766 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.5	26.4	79.0	
134	30.3	14.4	43.4	

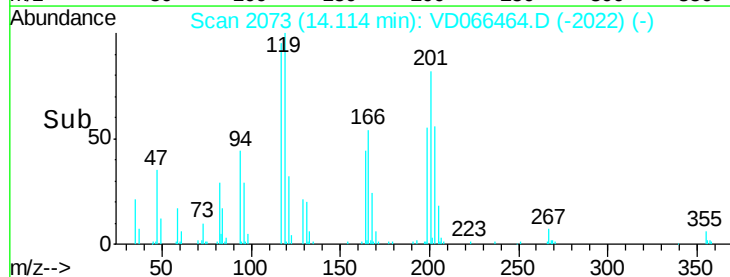
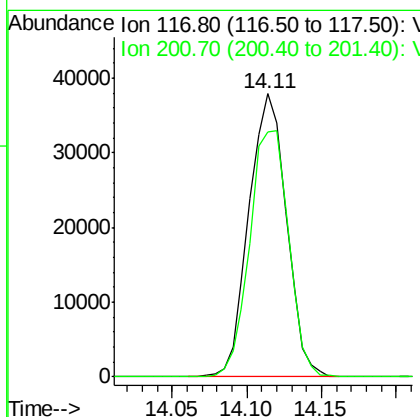
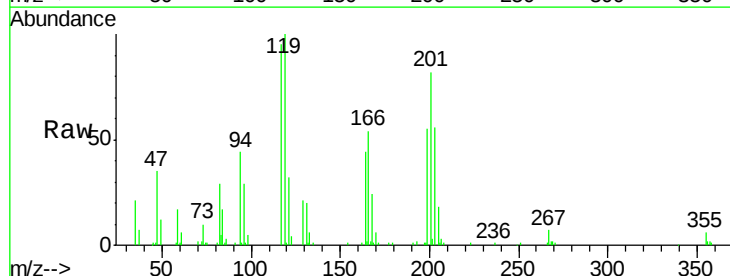
Manual Integrations
APPROVED

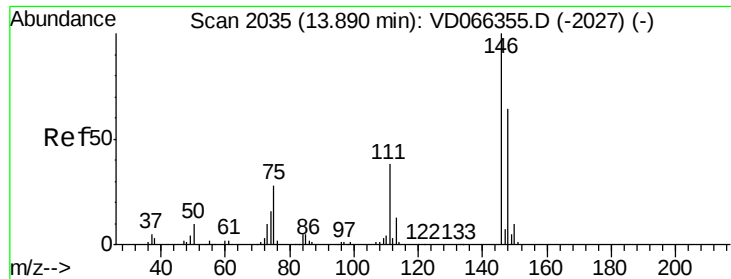
MMDadoda
8/31/2020 11:58:37 AM



#90
Hexachloroethane
Concen: 48.954 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066464.D
Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.4	45.4	136.2	





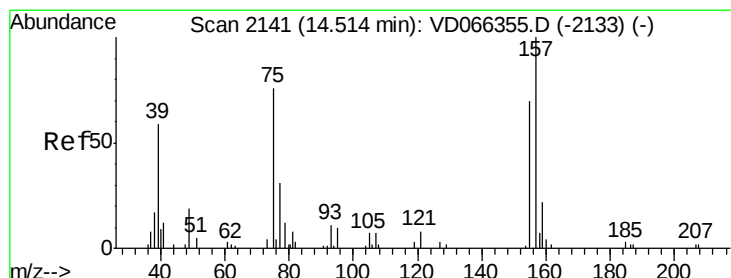
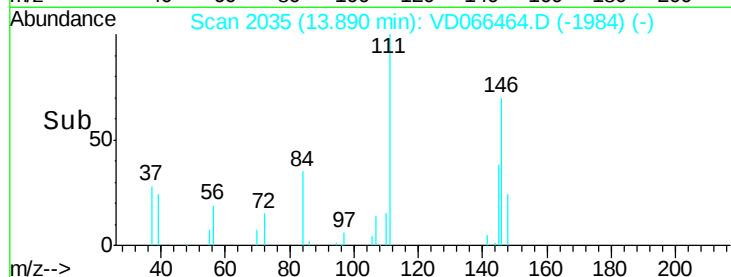
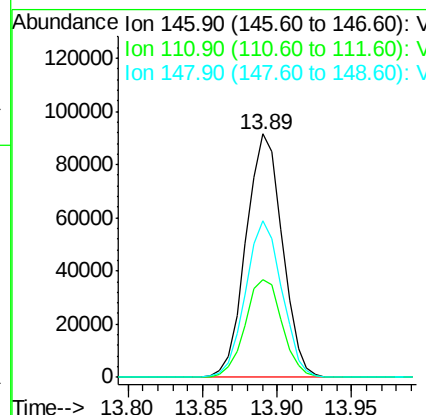
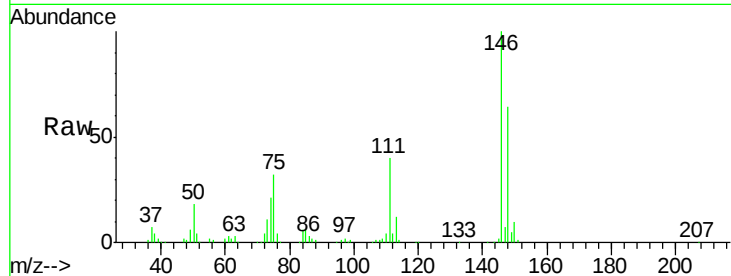
#91
 1,2-Dichlorobenzene
 Concen: 52.484 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.9	59.7
148	64.3	32.6	97.8

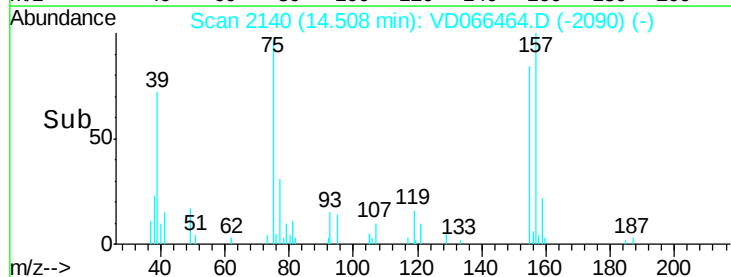
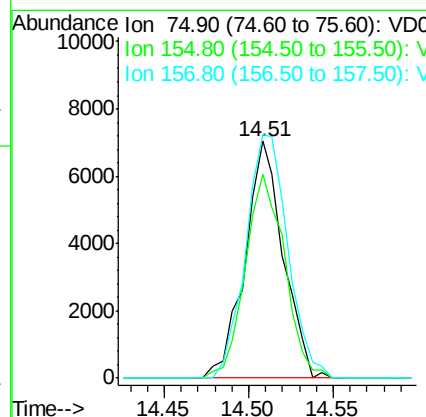
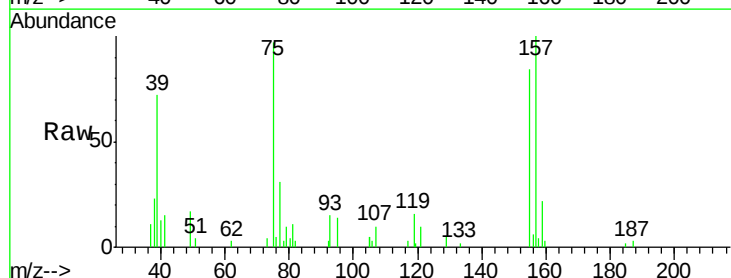
Manual Integrations
 APPROVED

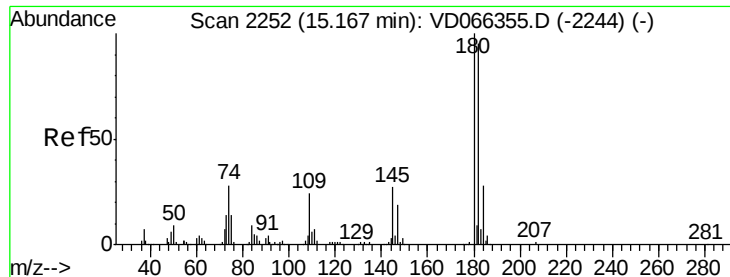
MMDadoda
 8/31/2020 11:58:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.361 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	46.9	140.6
157	113.2	61.0	183.0





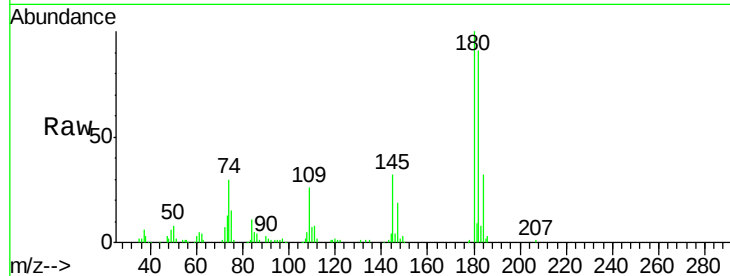
#93
 1,2,4-Trichlorobenzene
 Concen: 53.867 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Instrument :
 MSVOA_D
 ClientSampleId :
 789UMR-TP11-0006-01MSD

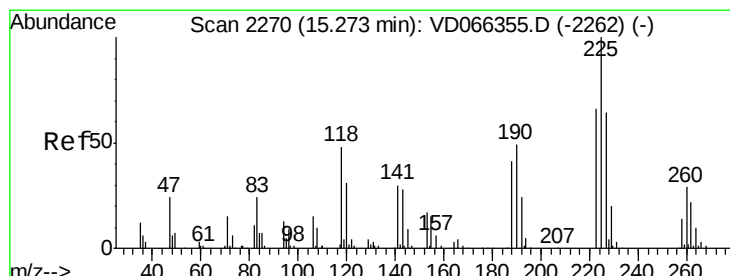
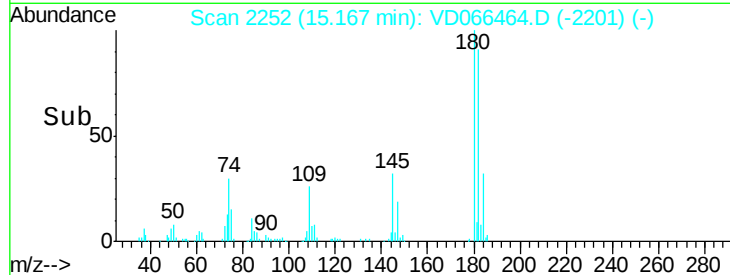
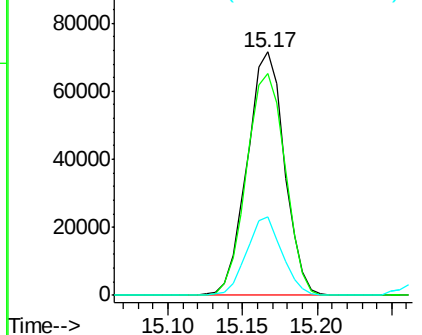
Tot Ion	Ratio	Resp	Lower	Upper
180	100	123219		
182	94.7	48.0	144.0	
145	30.9	15.2	45.6	

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:58:37 AM

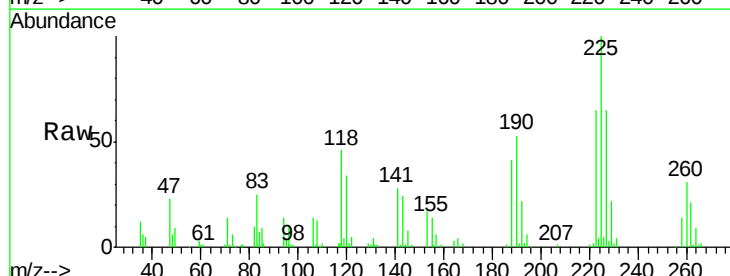


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

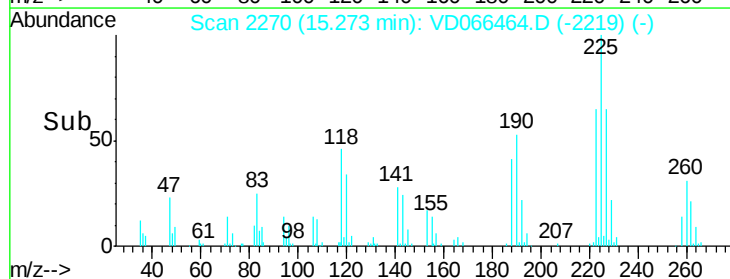
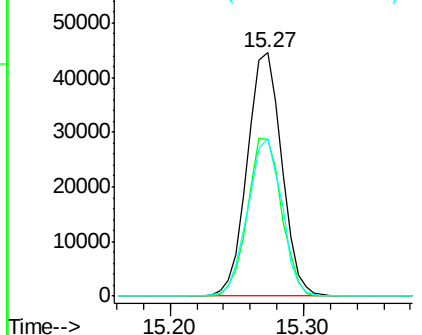


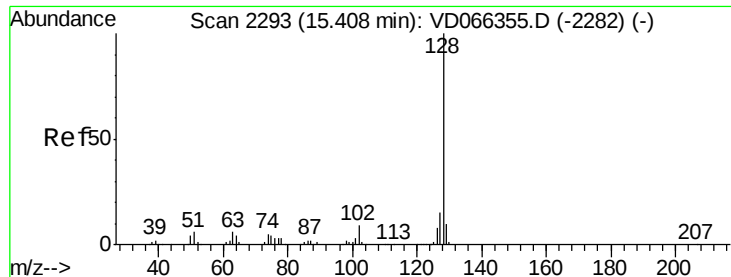
#94
 Hexachlorobutadiene
 Concen: 55.887 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066464.D
 Acq: 28 Aug 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79445		
223	63.9	32.5	97.4	
227	63.9	33.0	98.9	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.879 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Instrument :

MSVOA_D

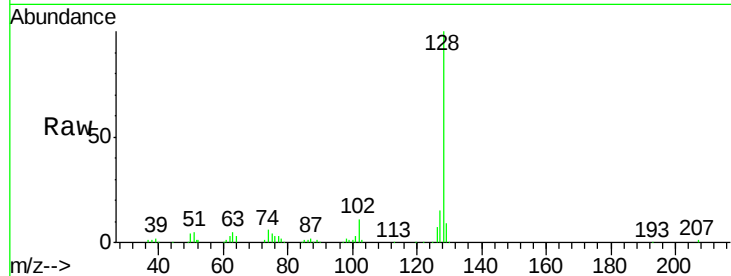
ClientSampleId :

789UMR-TP11-0006-01MSD

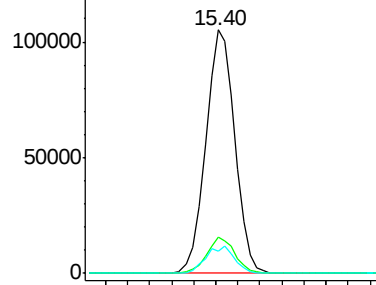
Tot Ion:	128	Resp:	193579
Ion Ratio		Lower	Upper
128	100		
127	14.3	10.7	16.1
129	11.0	8.6	12.8

Manual Integrations
APPROVED

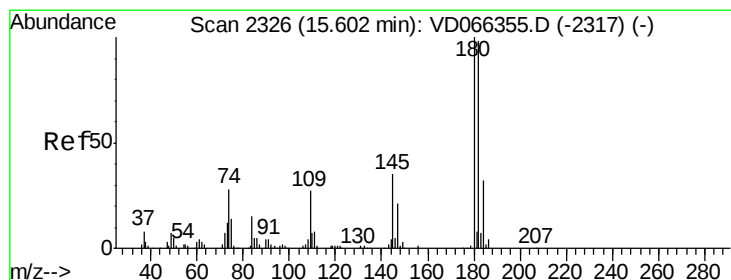
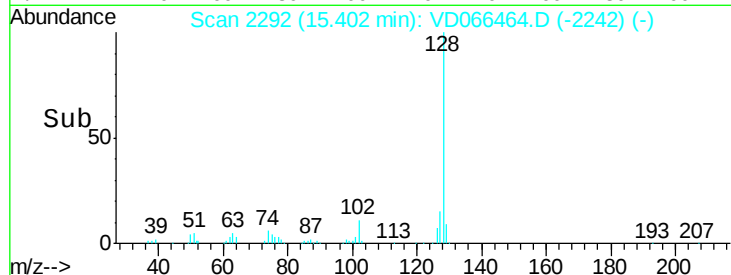
MMDadoda
8/31/2020 11:58:37 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 53.701 ug/l

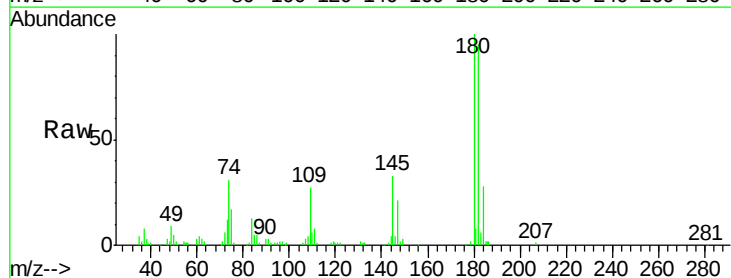
RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

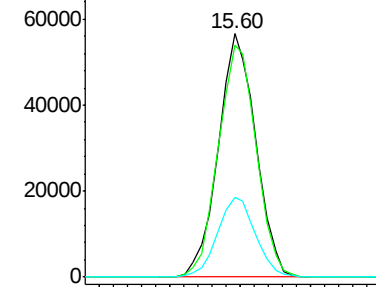
Lab File: VD066464.D

Acq: 28 Aug 2020 17:12

Tgt Ion:	180	Resp:	105231
Ion Ratio		Lower	Upper
180	100		
182	96.9	46.7	140.0
145	33.2	16.0	48.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.55 15.60 15.65

