

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067054.D
 Acq On : 03 Oct 2020 01:05
 Operator : VA/SY
 Sample : VD1002SBSD02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:34:37 PM

Quant Time: Oct 03 05:59:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	416411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	677860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	641426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306892	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	216528	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
35) Dibromofluoromethane	7.91	113	232715	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	10.34	98	860211	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.63	95	289775	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	81452	21.469	ug/l	94
3) Chloromethane	2.21	50	69873	21.070	ug/l	98
4) Vinyl Chloride	2.35	62	66022	19.855	ug/l	96
5) Bromomethane	2.76	94	50342	20.974	ug/l	97
6) Chloroethane	2.92	64	41628	20.557	ug/l	97
7) Trichlorofluoromethane	3.27	101	149335	20.214	ug/l	99
8) Diethyl Ether	3.71	74	39724	21.684	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	81413	19.497	ug/l	99
10) Methyl Iodide	4.30	142	81063	19.980	ug/l	98
11) Tert butyl alcohol	5.21	59	30438	100.417	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	80081	20.401	ug/l	98
13) Acrolein	3.92	56	22867	85.145	ug/l	99
14) Allyl chloride	4.71	41	104407	20.474	ug/l	99
15) Acrylonitrile	5.43	53	74370	110.300	ug/l	97
16) Acetone	4.16	43	65068	106.275	ug/l	92
17) Carbon Disulfide	4.40	76	249001	20.670	ug/l	98
18) Methyl Acetate	4.71	43	41700	27.099	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	162406	22.664	ug/l	93
20) Methylene Chloride	4.96	84	115255	22.531	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	96803	21.669	ug/l	97
22) Diisopropyl ether	6.36	45	208526	22.399	ug/l	96
23) Vinyl Acetate	6.30	43	535973	101.597	ug/l	99
24) 1,1-Dichloroethane	6.26	63	154932	21.564	ug/l	96
25) 2-Butanone	7.21	43	89042	102.578	ug/l	97
26) 2,2-Dichloropropane	7.21	77	122825	17.294	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	105231	22.056	ug/l	95
28) Bromochloromethane	7.55	49	55159	19.879	ug/l	92
29) Tetrahydrofuran	7.56	42	54390	108.973	ug/l	98
30) Chloroform	7.71	83	171718	22.032	ug/l	98
31) Cyclohexane	7.98	56	115145	19.116	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	149946	20.759	ug/l	99
36) 1,1-Dichloropropene	8.11	75	122663	19.414	ug/l	99
37) Ethyl Acetate	7.28	43	42283	19.317	ug/l	97
38) Carbon Tetrachloride	8.09	117	134730	19.708	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067054.D
 Acq On : 03 Oct 2020 01:05
 Operator : VA/SY
 Sample : VD1002SBSD02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1002SBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:34:37 PM

Quant Time: Oct 03 05:59:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	121287	18.156	ug/l	95
40) Benzene	8.35	78	362811	20.673	ug/l	98
41) Methacrylonitrile	7.53	41	21326m	18.034	ug/l	
42) 1,2-Dichloroethane	8.42	62	101324	20.662	ug/l	100
43) Isopropyl Acetate	8.45	43	82161	20.375	ug/l	97
44) Trichloroethene	9.11	130	109388	20.874	ug/l	100
45) 1,2-Dichloropropane	9.38	63	88205	21.391	ug/l	96
46) Dibromomethane	9.47	93	51919	21.907	ug/l	98
47) Bromodichloromethane	9.66	83	127890	20.759	ug/l	98
48) Methyl methacrylate	9.46	41	38392	18.584	ug/l #	78
49) 1,4-Dioxane	9.46	88	10394	420.211	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	213260	106.178	ug/l	99
52) Toluene	10.40	92	242042	21.410	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	115668	21.008	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	138279	20.567	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	70060	21.262	ug/l	93
56) Ethyl methacrylate	10.66	69	74661	21.947	ug/l	97
57) 1,3-Dichloropropane	10.94	76	117040	21.904	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	210503	111.175	ug/l	100
59) 2-Hexanone	10.98	43	141099	105.253	ug/l	99
60) Dibromochloromethane	11.14	129	97058	22.100	ug/l	97
61) 1,2-Dibromoethane	11.24	107	69203	21.861	ug/l	100
64) Tetrachloroethene	10.87	164	95751	20.533	ug/l	95
65) Chlorobenzene	11.67	112	261524	20.500	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	101188	20.852	ug/l	100
67) Ethyl Benzene	11.74	91	443002	20.267	ug/l	98
68) m/p-Xylenes	11.86	106	348206	40.877	ug/l	98
69) o-Xylene	12.18	106	157512	20.677	ug/l	99
70) Styrene	12.20	104	278308	21.276	ug/l	99
71) Bromoform	12.36	173	55107	21.877	ug/l #	99
73) Isopropylbenzene	12.48	105	421447	20.225	ug/l	99
74) N-amyl acetate	12.28	43	71934	19.203	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	72103	20.536	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	47256m	17.678	ug/l	
77) Bromobenzene	12.76	156	109993	21.860	ug/l	97
78) n-propylbenzene	12.82	91	500782	20.334	ug/l	99
79) 2-Chlorotoluene	12.91	91	294242	20.882	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	373888	21.236	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	20497	19.117	ug/l	97
82) 4-Chlorotoluene	13.01	91	308611	20.586	ug/l	99
83) tert-Butylbenzene	13.23	119	296248	19.982	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	372326	21.191	ug/l	99
85) sec-Butylbenzene	13.40	105	418874	20.062	ug/l	100
86) p-Isopropyltoluene	13.52	119	394385	20.374	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	207639	21.186	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	203329	20.748	ug/l	99
89) n-Butylbenzene	13.85	91	339794	19.208	ug/l	99
90) Hexachloroethane	14.11	117	68609	20.235	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	180247	21.058	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11889	21.007	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
Data File : VD067054.D
Acq On : 03 Oct 2020 01:05
Operator : VA/SY
Sample : VD1002SBSD02
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD02

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:37 PM

Quant Time: Oct 03 05:59:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	115821	20.919	ug/l	98
94) Hexachlorobutadiene	15.27	225	66628	19.595	ug/l	97
95) Naphthalene	15.41	128	186072	20.149	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	99523	20.707	ug/l	98

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

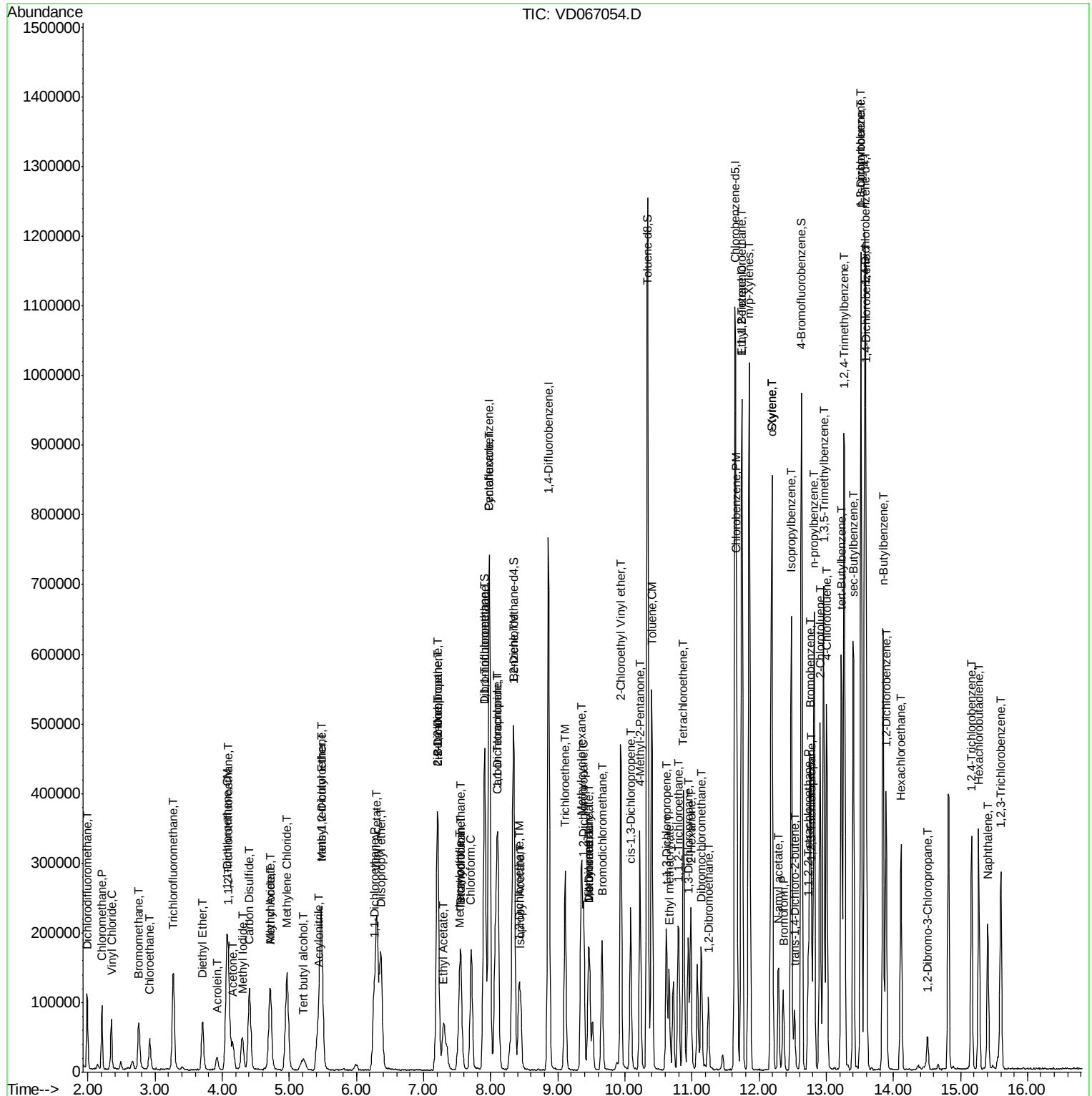
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067054.D
 Acq On : 03 Oct 2020 01:05
 Operator : VA/SY
 Sample : VD1002SBSD02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

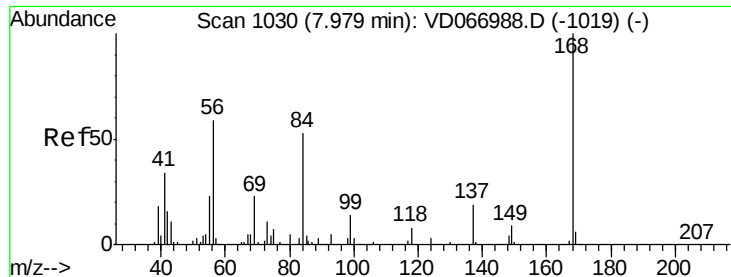
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:34:37 PM

Quant Time: Oct 03 05:59:22 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD02

Tot Ion:168 Resp: 416411

Ion Ratio Lower Upper

168 100

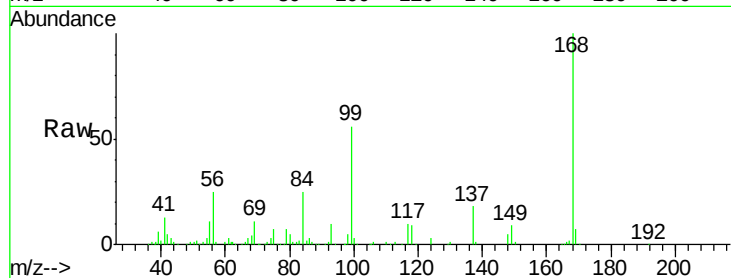
99 56.2 44.1 66.1

Manual Integrations

APPROVED

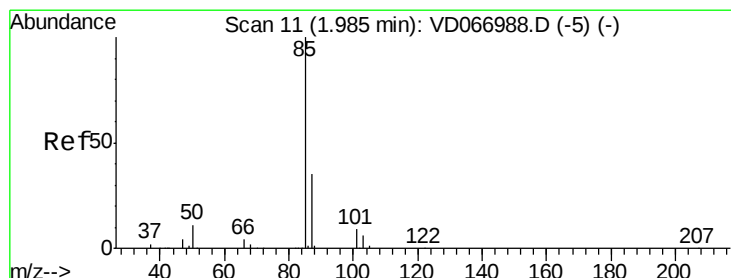
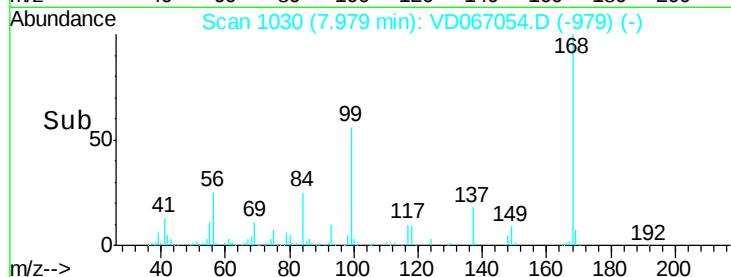
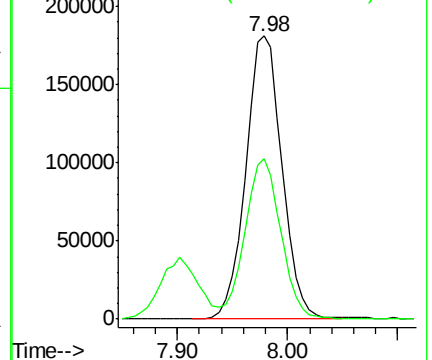
MMDadoda

10/5/2020 5:34:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.469 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD067054.D

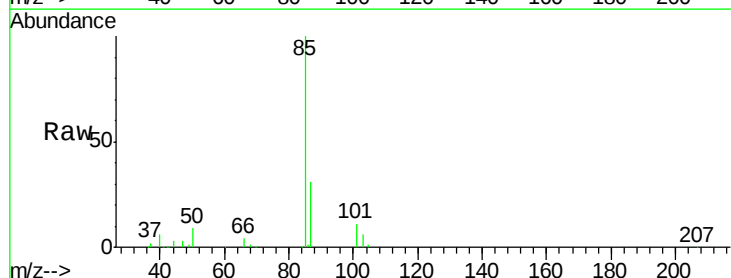
Acq: 03 Oct 2020 01:05

Tgt Ion: 85 Resp: 81452

Ion Ratio Lower Upper

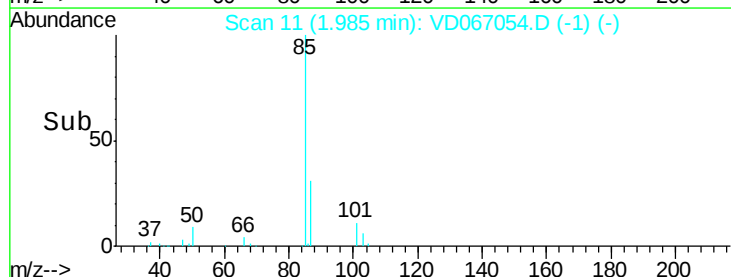
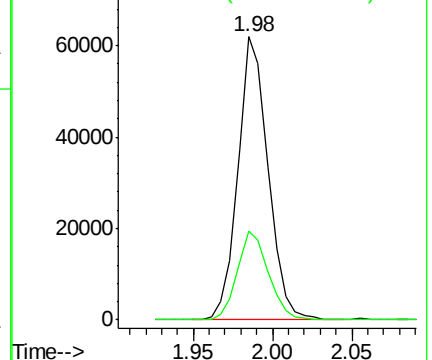
85 100

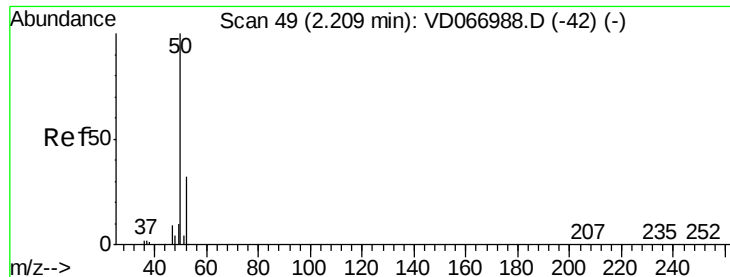
87 31.5 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.070 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS02

Tot Ion: 50 Resp: 69873

Ion Ratio Lower Upper

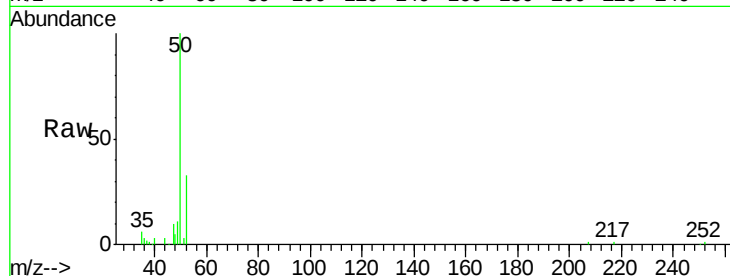
50 100

52 32.7 25.3 37.9

Manual Integrations
APPROVED

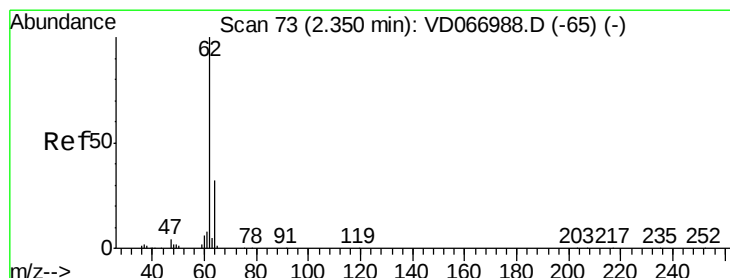
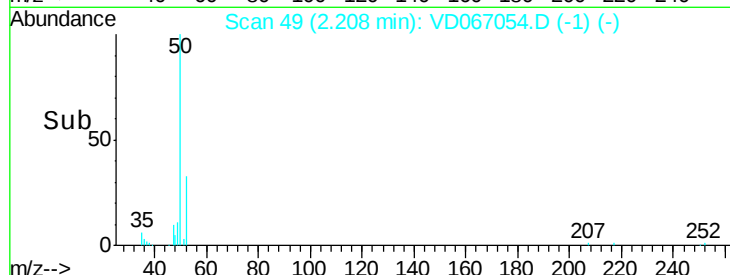
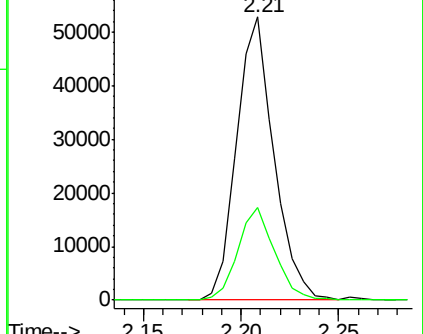
MMDadoda

10/5/2020 5:34:37 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.855 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067054.D

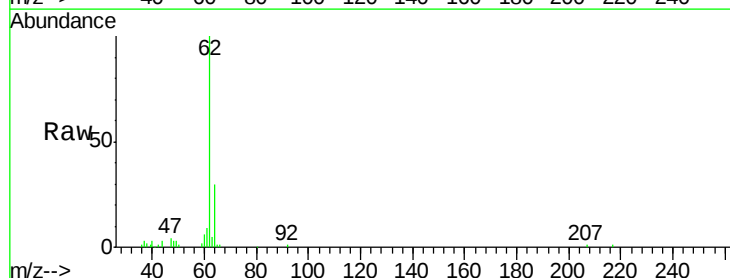
Acq: 03 Oct 2020 01:05

Tgt Ion: 62 Resp: 66022

Ion Ratio Lower Upper

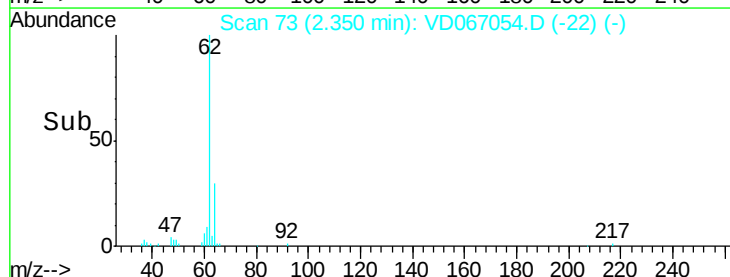
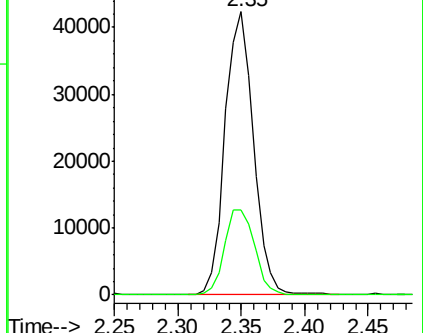
62 100

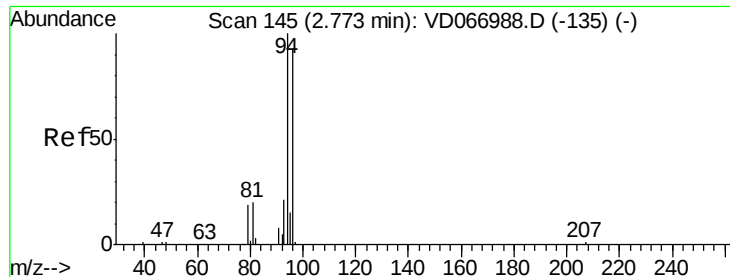
64 29.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.974 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS02

Tot Ion: 94 Resp: 50342

Ion Ratio Lower Upper

94 100

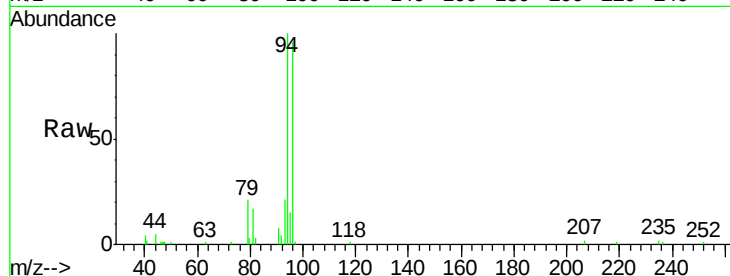
96 95.9 74.6 112.0

Manual Integrations

APPROVED

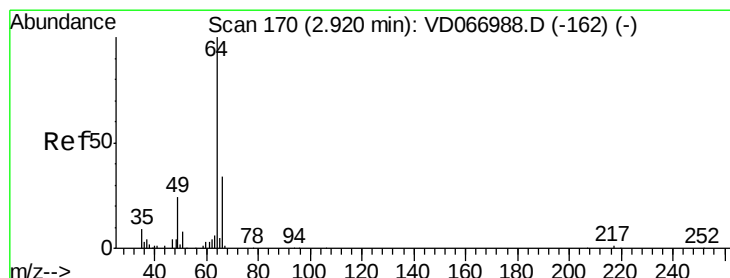
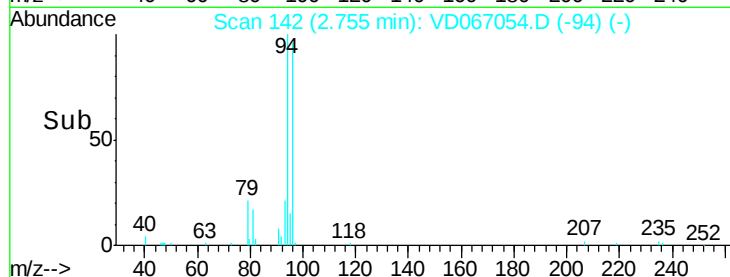
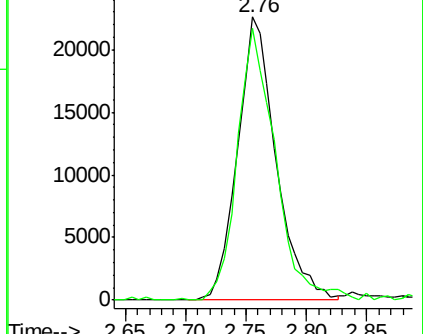
MMDadoda

10/5/2020 5:34:37 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.557 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD067054.D

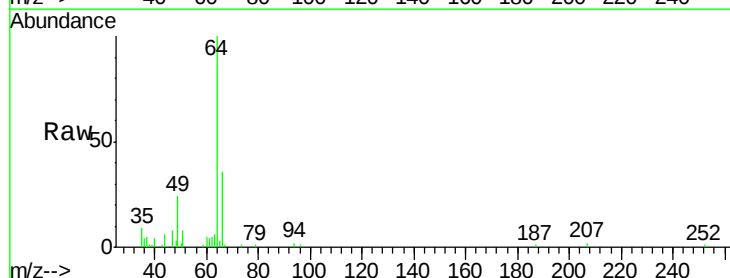
Acq: 03 Oct 2020 01:05

Tgt Ion: 64 Resp: 41628

Ion Ratio Lower Upper

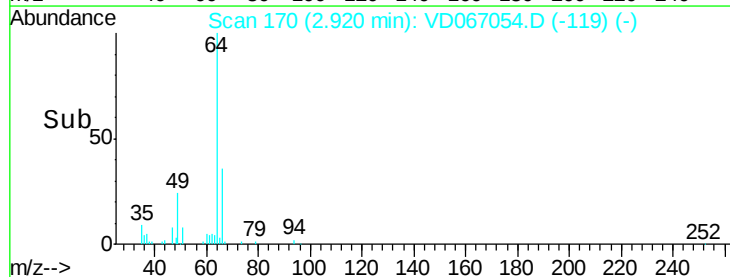
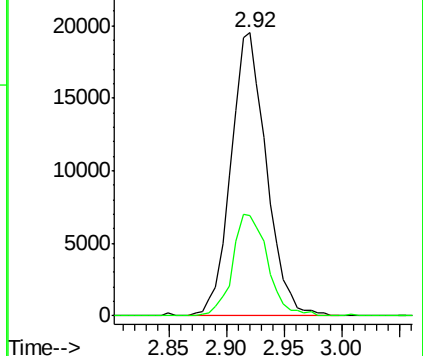
64 100

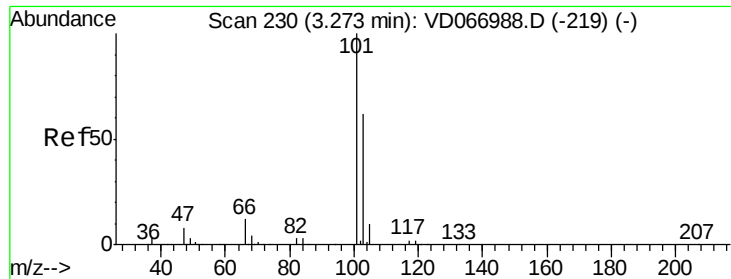
66 35.5 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

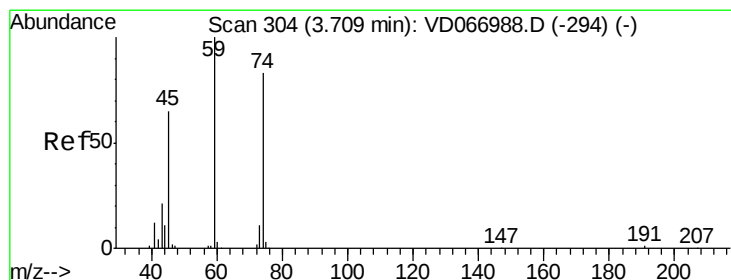
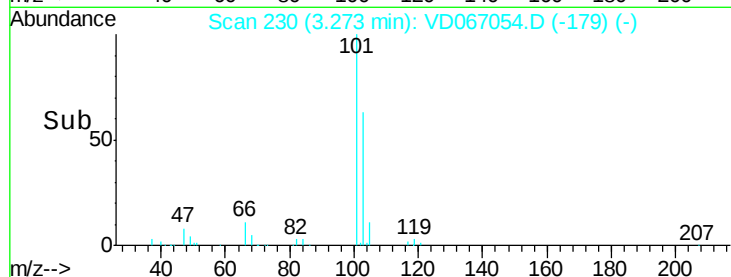
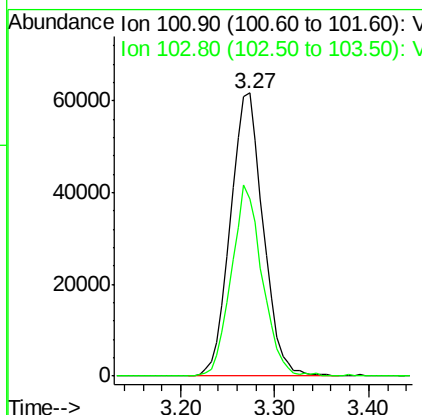
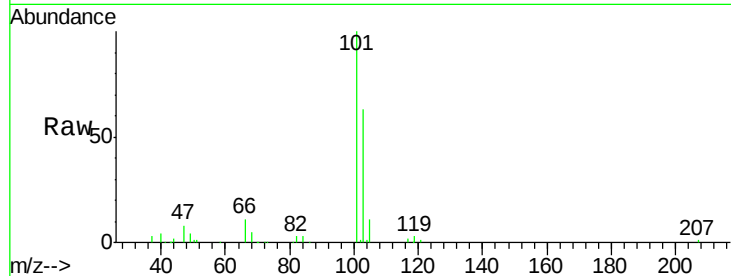
Trichlorofluoromethane
 Concen: 20.214 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	49.8	74.8

Manual Integrations
 APPROVED

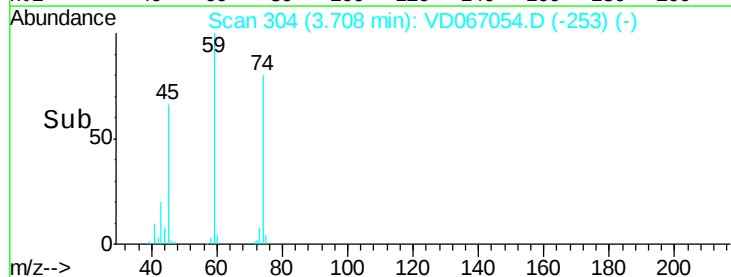
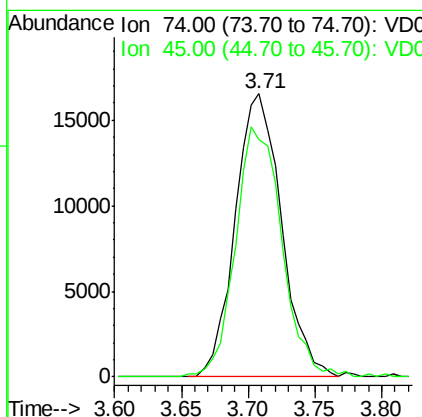
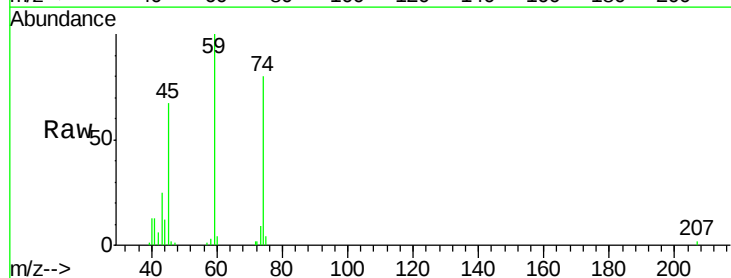
MMDadoda
 10/5/2020 5:34:37 PM

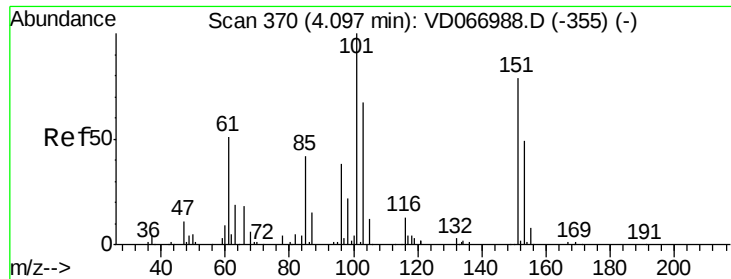


#8

Diethyl Ether
 Concen: 21.684 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.5	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.497 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

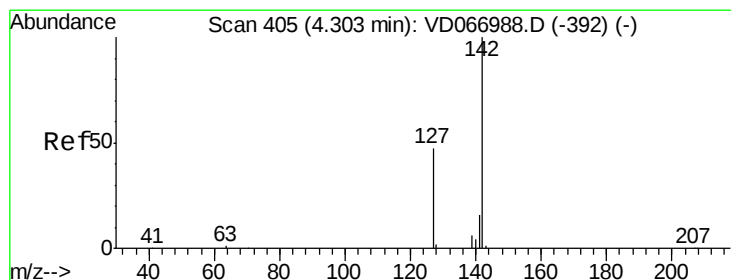
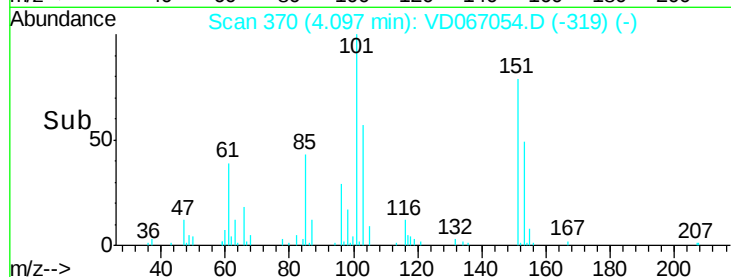
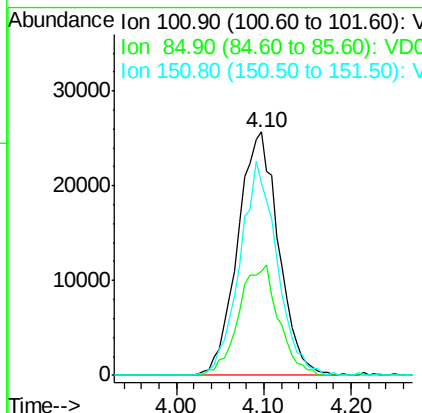
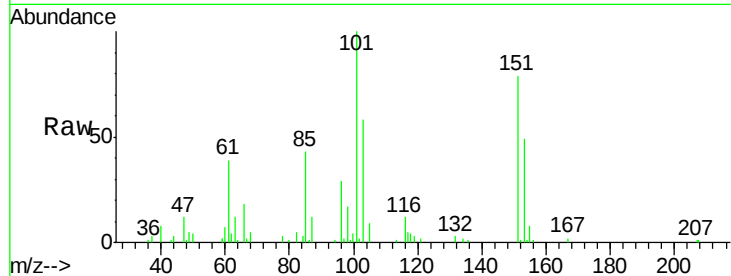
ClientSampleId :

VD1002SBSD02

Tot Ion:	101	Resp:	81413
Ion Ratio	Lower	Upper	
101	100		
85	44.1	33.8	50.8
151	80.2	63.8	95.8

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:37 PM



#10

Methyl Iodide

Concen: 19.980 ug/l

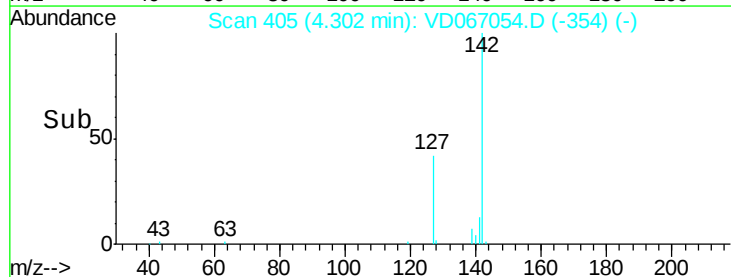
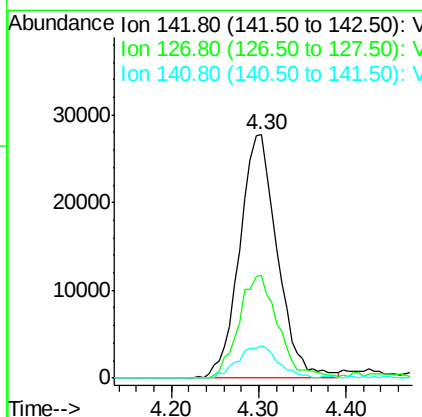
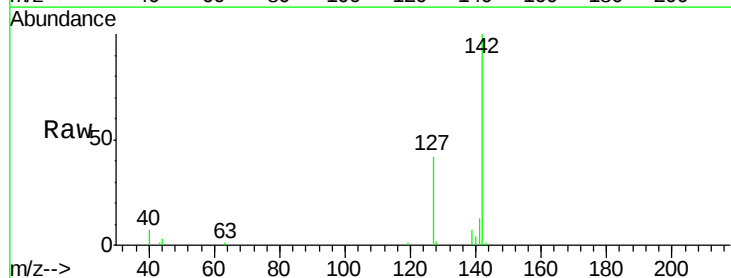
RT: 4.30 min Scan# 405

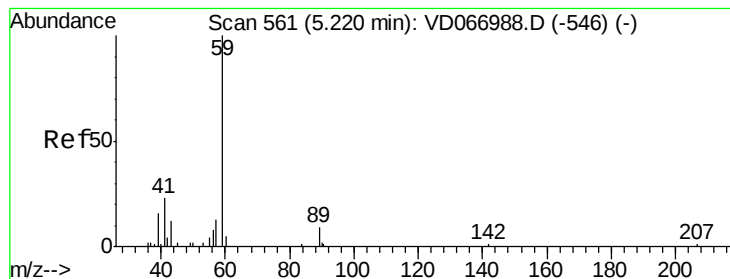
Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Tgt Ion:	142	Resp:	81063
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.3	54.5
141	14.1	12.0	18.0





#11

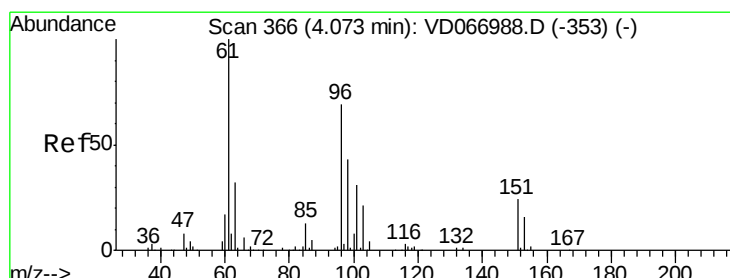
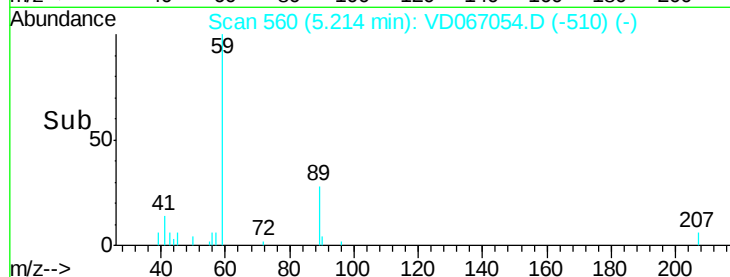
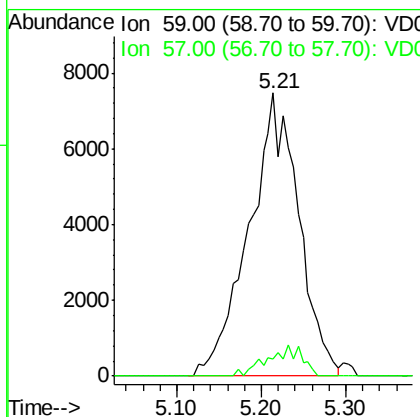
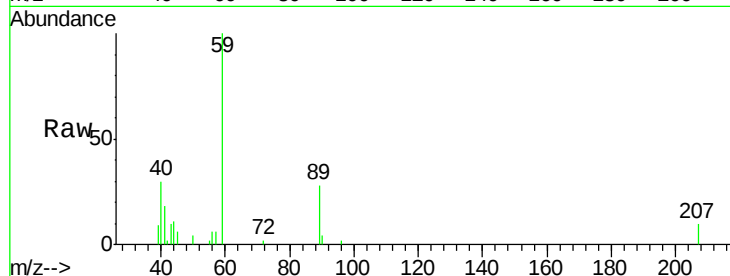
Tert butyl alcohol
Concen: 100.417 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	30438		
57	7.4	8.2	12.4	

Manual Integrations
APPROVED

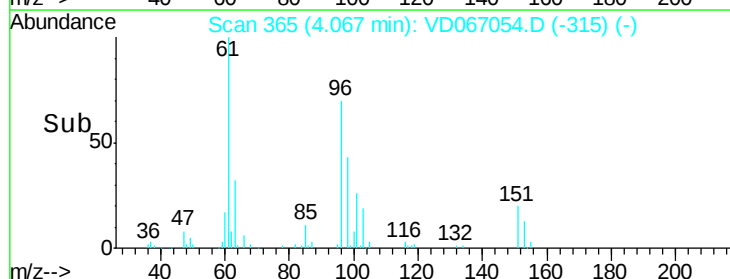
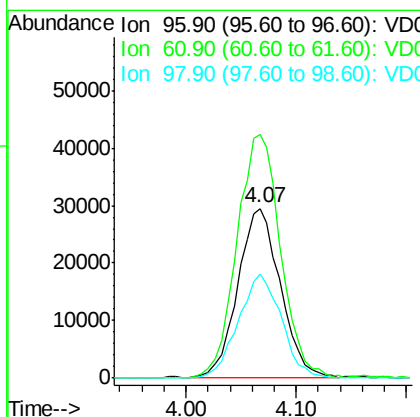
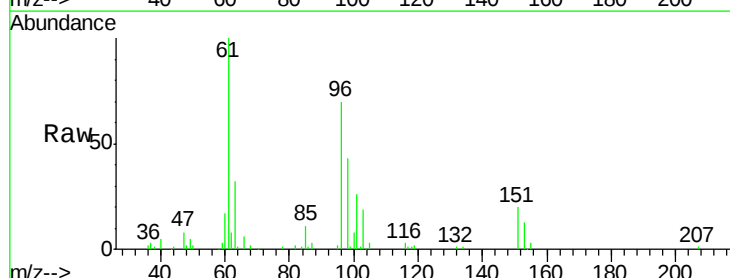
MMDadoda
10/5/2020 5:34:37 PM

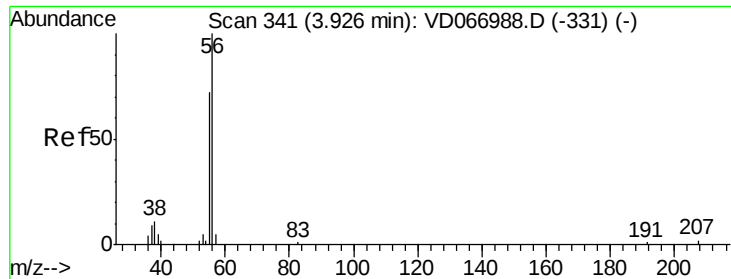


#12

1,1-Dichloroethene
Concen: 20.401 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	80081		
61	143.2	116.4	174.6	
98	60.9	49.9	74.9	





#13

Acrolein

Concen: 85.145 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD02

Tot Ion: 56 Resp: 22867

Ion Ratio Lower Upper

56 100

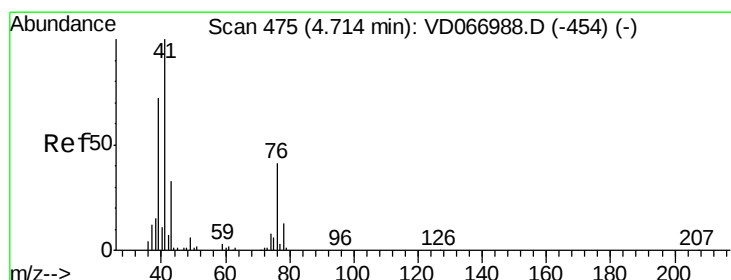
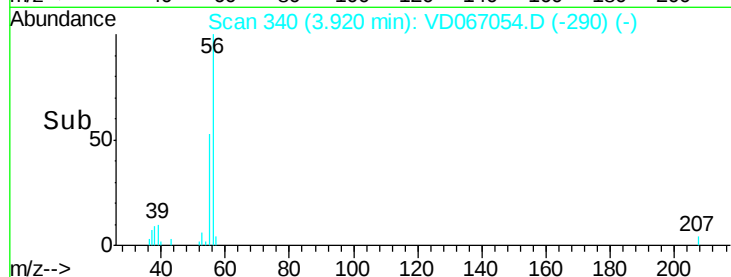
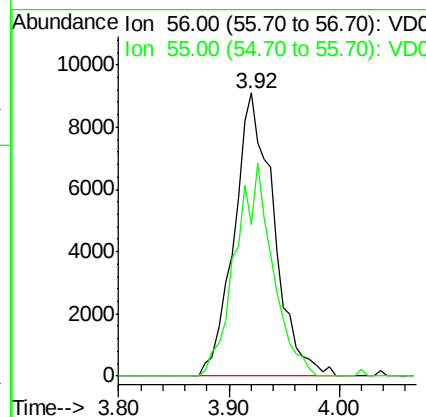
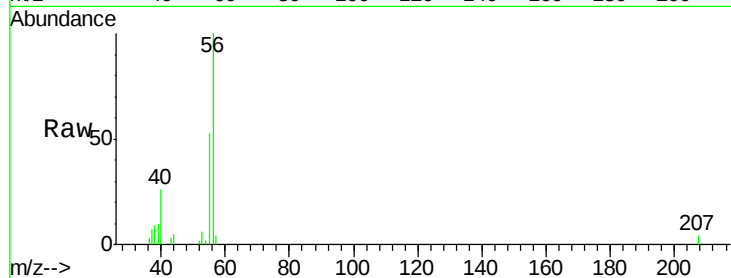
55 70.6 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:34:37 PM



#14

Allyl chloride

Concen: 20.474 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

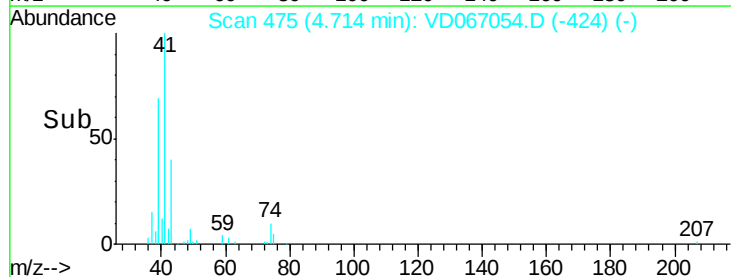
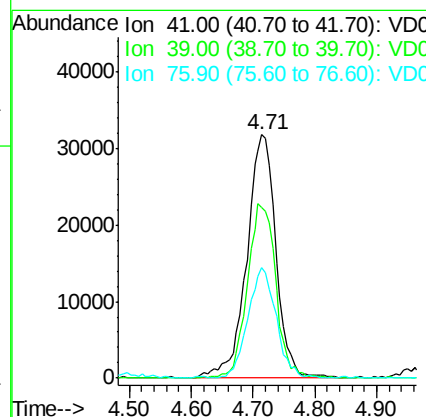
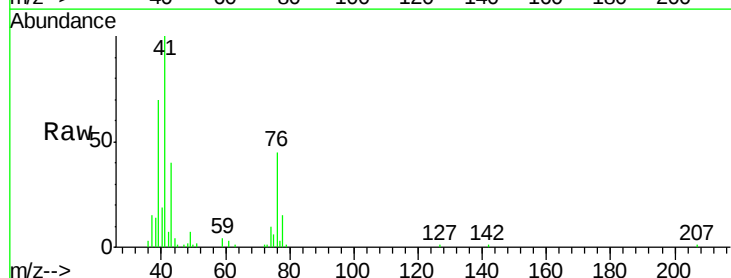
Tgt Ion: 41 Resp: 104407

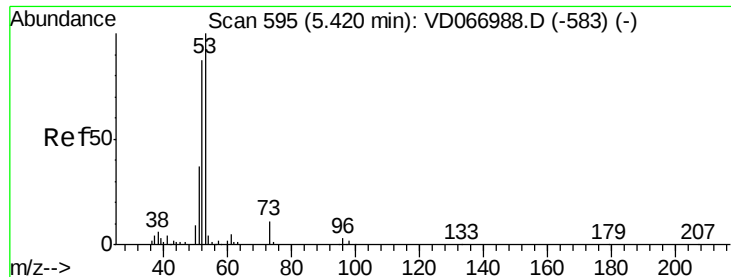
Ion Ratio Lower Upper

41 100

39 69.3 56.2 84.2

76 43.9 34.2 51.2





#15

Acrylonitrile

Concen: 110.300 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

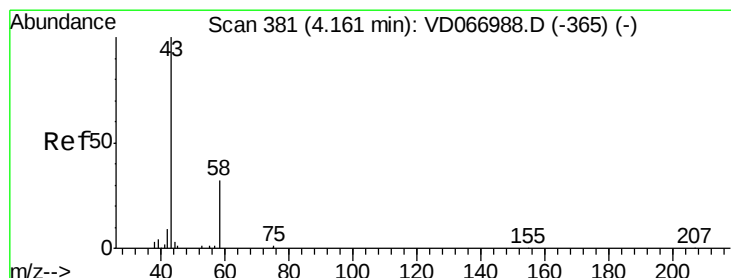
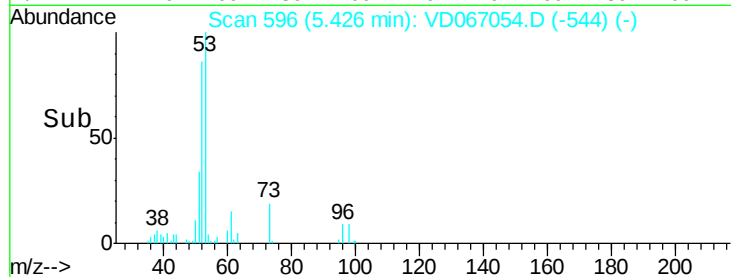
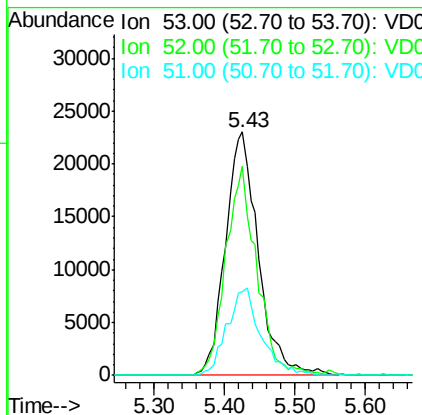
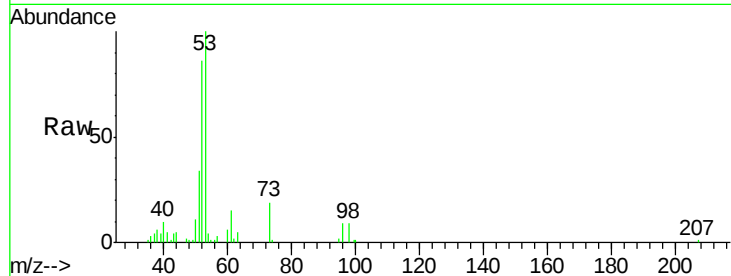
ClientSampleId :

VD1002SBS02

Tot Ion:	53	Resp:	74370
Ion	Ratio	Lower	Upper
53	100		
52	80.9	67.3	100.9
51	37.0	30.2	45.2

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:37 PM



#16

Acetone

Concen: 106.275 ug/l

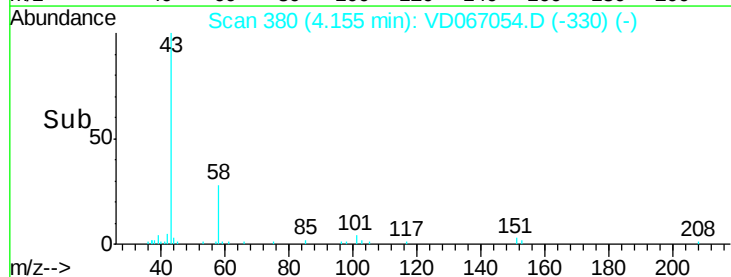
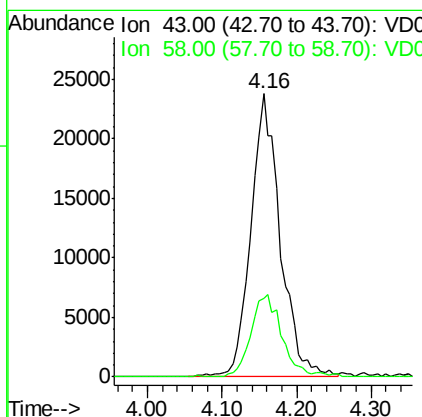
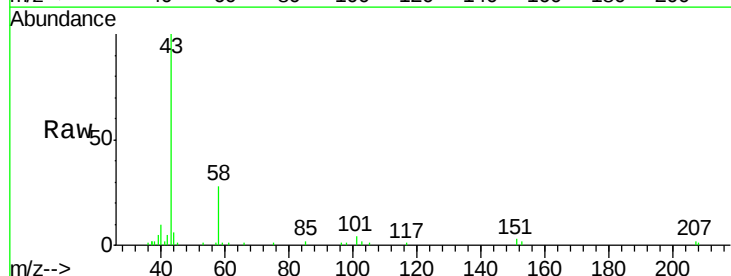
RT: 4.16 min Scan# 380

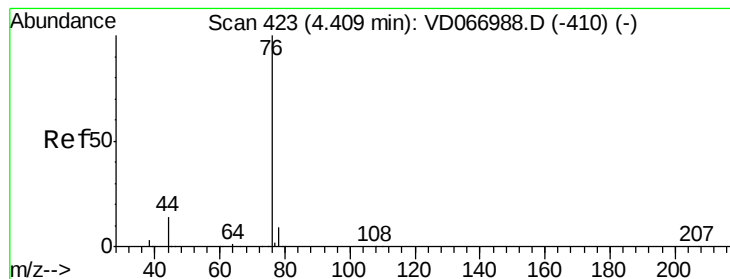
Delta R.T. -0.01 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Tgt Ion:	43	Resp:	65068
Ion	Ratio	Lower	Upper
43	100		
58	27.8	25.9	38.9





#17

Carbon Disulfide

Concen: 20.670 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS02

Tot Ion: 76 Resp: 249001

Ion Ratio Lower Upper

76 100

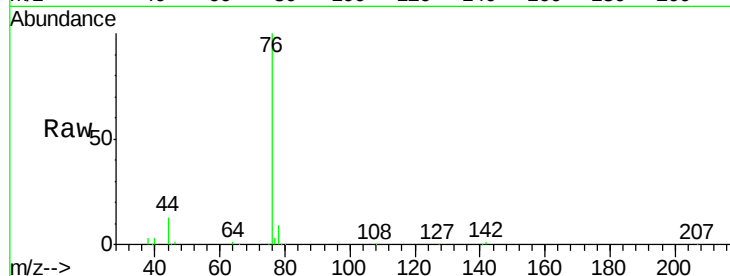
78 8.7 7.5 11.3

Manual Integrations

APPROVED

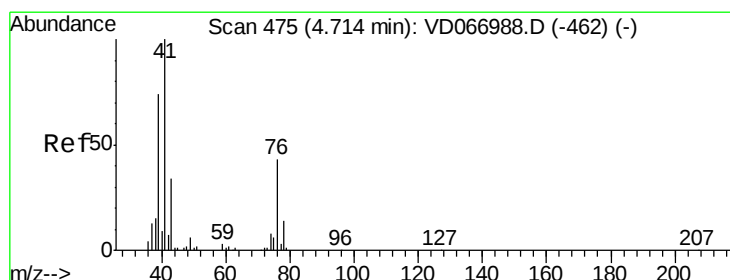
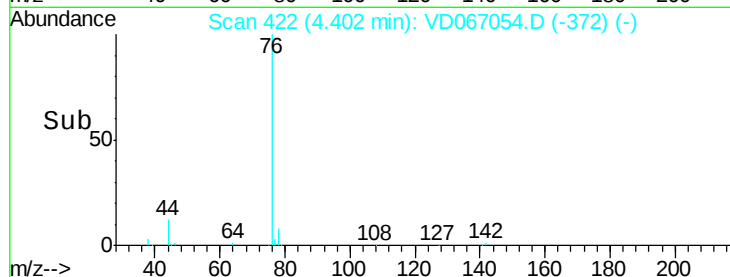
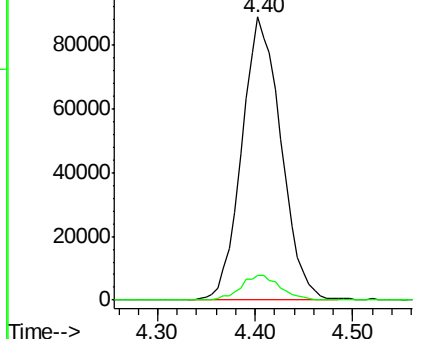
MMDadoda

10/5/2020 5:34:37 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 27.099 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067054.D

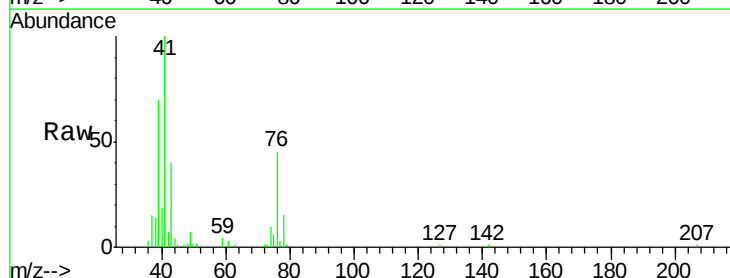
Acq: 03 Oct 2020 01:05

Tgt Ion: 43 Resp: 41700

Ion Ratio Lower Upper

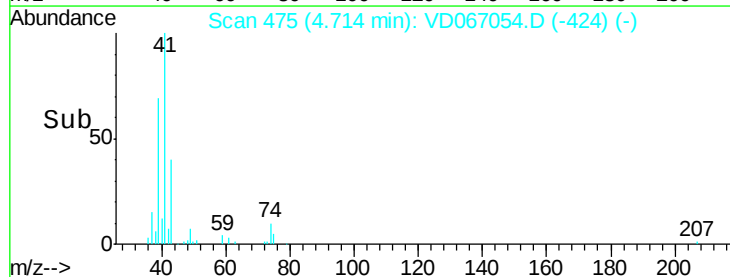
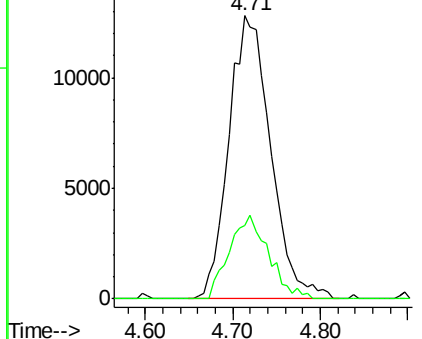
43 100

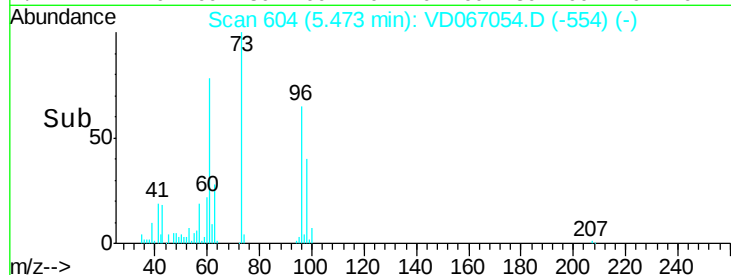
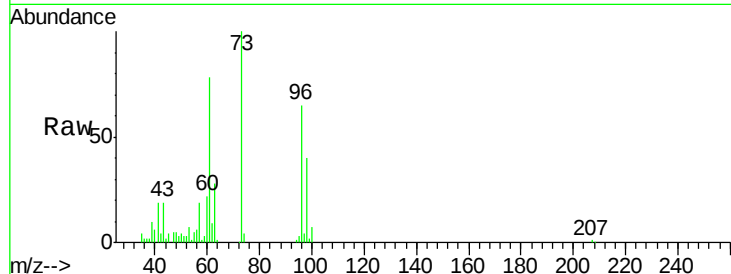
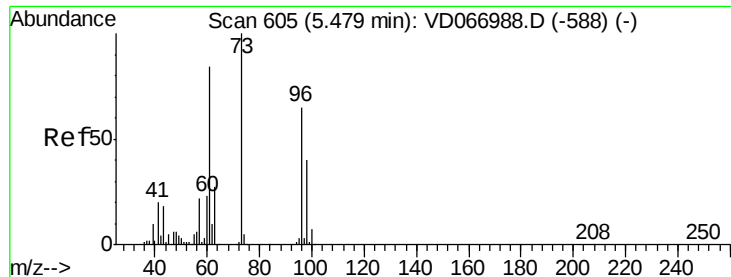
74 27.6 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





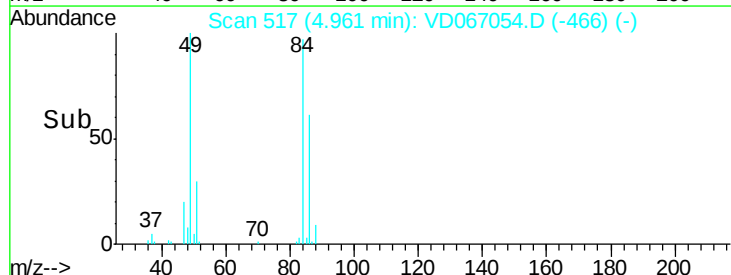
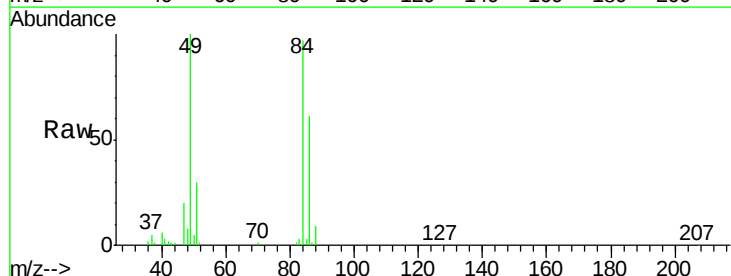
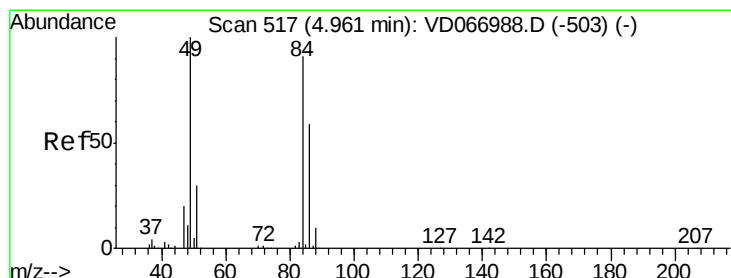
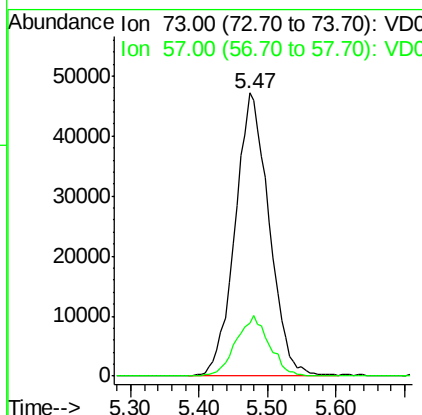
#19
Methyl tert-butyl Ether
Concen: 22.664 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tot Ion: 73 Resp: 162406
Ion Ratio Lower Upper
73 100
57 18.6 17.4 26.0

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

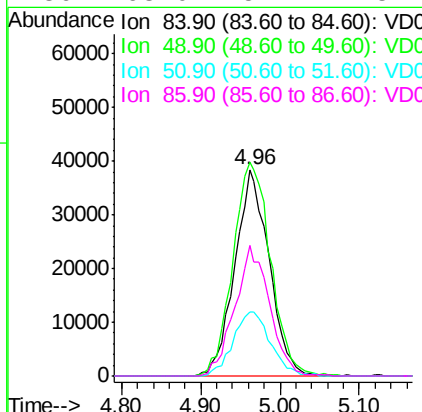
Manual Integrations
APPROVED

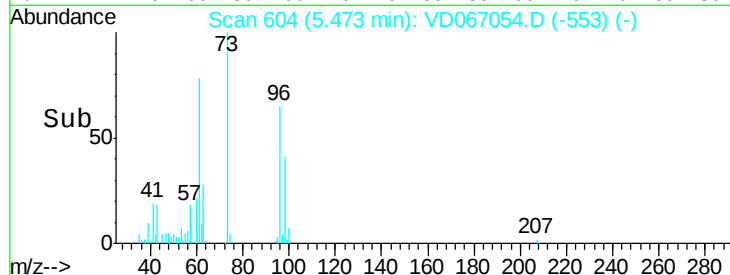
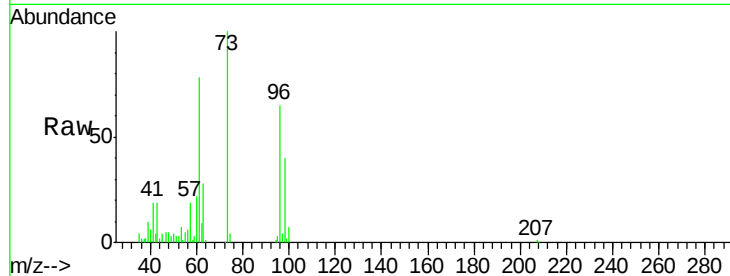
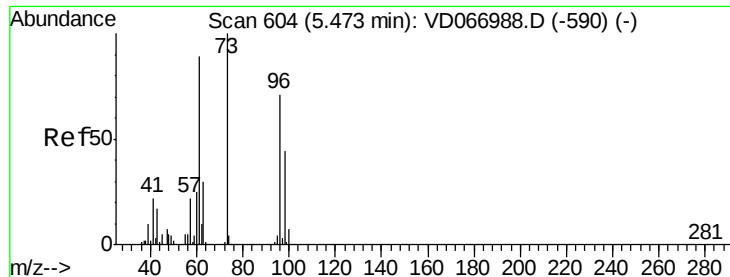
MMDadoda
10/5/2020 5:34:37 PM



#20
Methylene Chloride
Concen: 22.531 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion: 84 Resp: 115255
Ion Ratio Lower Upper
84 100
49 103.3 88.2 132.2
51 31.2 26.6 39.8
86 63.0 52.1 78.1





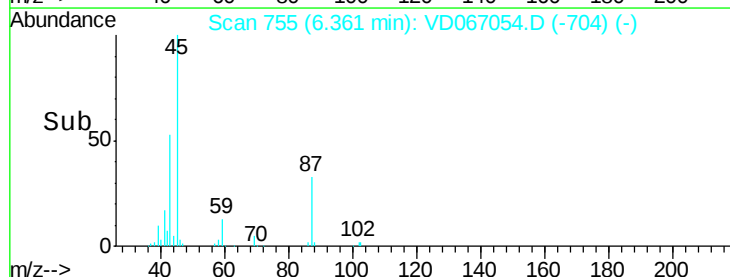
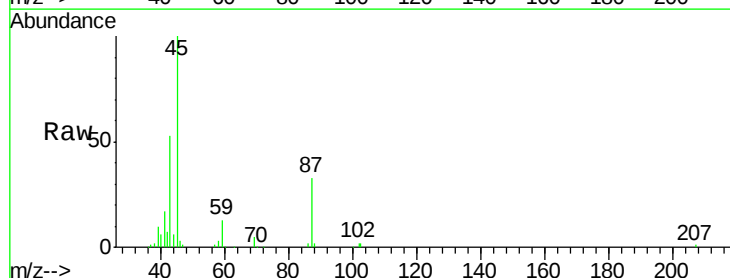
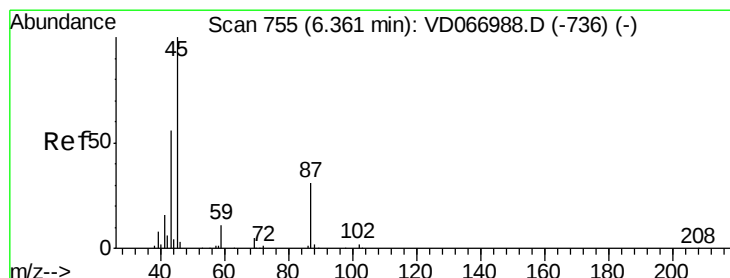
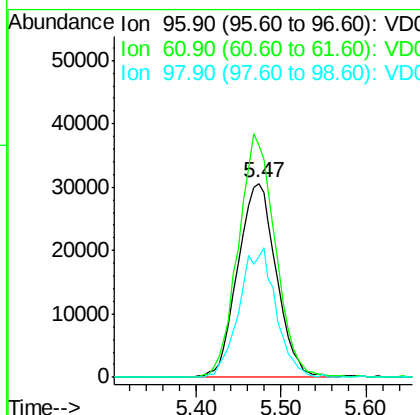
#21
trans-1,2-Dichloroethene
Concen: 21.669 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.2	99.6	149.4
98	62.0	49.4	74.2

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD02

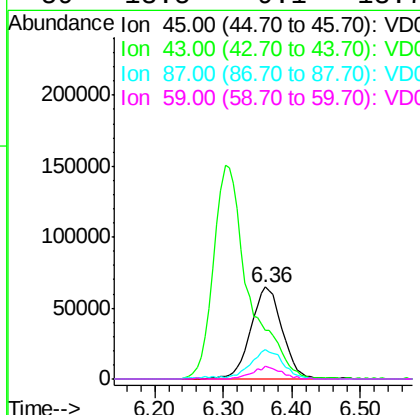
Manual Integrations
APPROVED

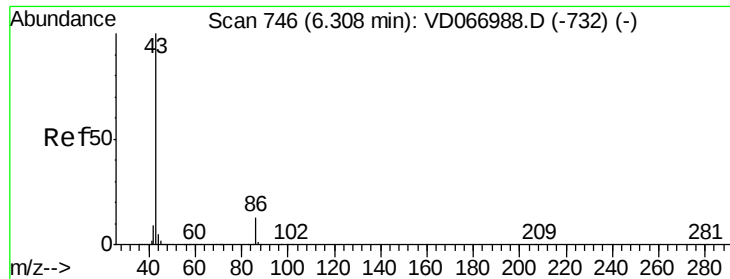
MMDadoda
10/5/2020 5:34:37 PM



#22
Diisopropyl ether
Concen: 22.399 ug/l
RT: 6.36 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	51.9	45.2	67.8
87	32.6	25.6	38.4
59	13.5	9.1	13.7





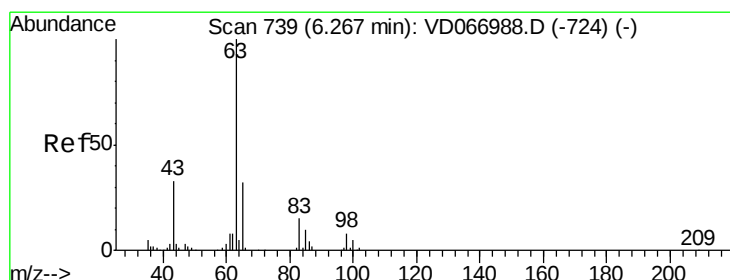
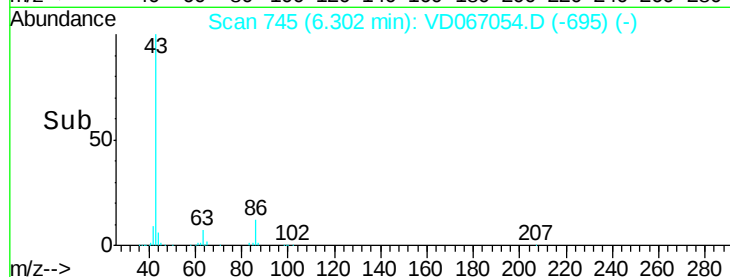
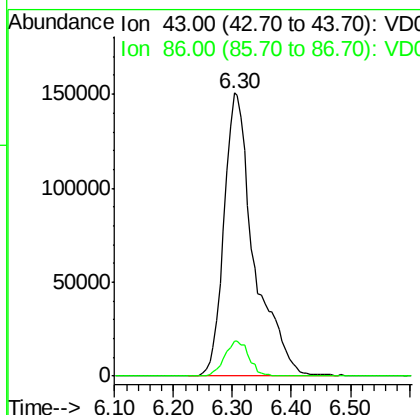
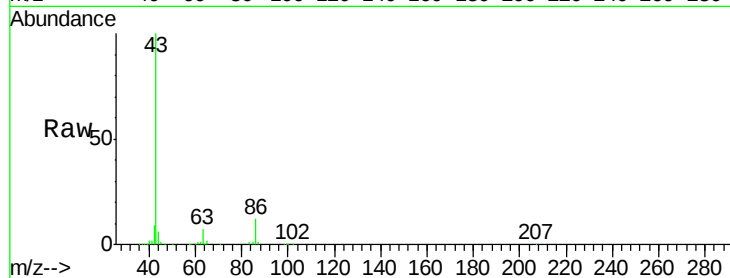
#23
 Vinyl Acetate
 Concen: 101.597 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1002SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	12.3	10.2	15.2

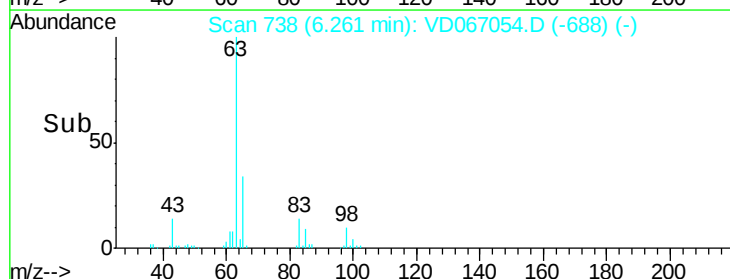
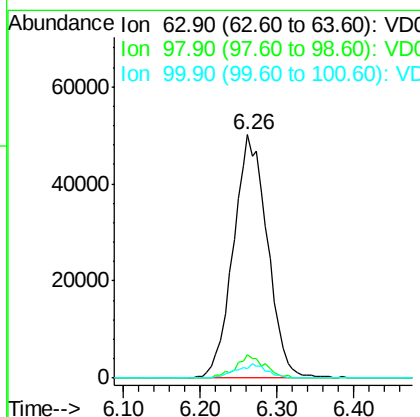
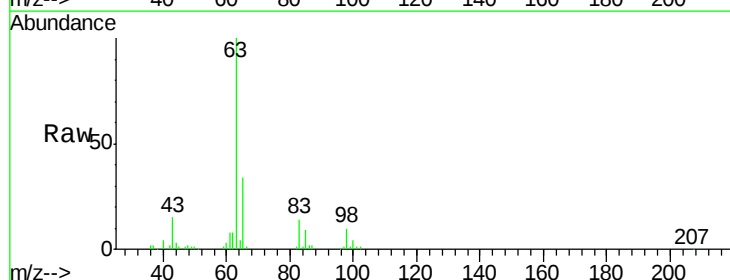
Manual Integrations
 APPROVED

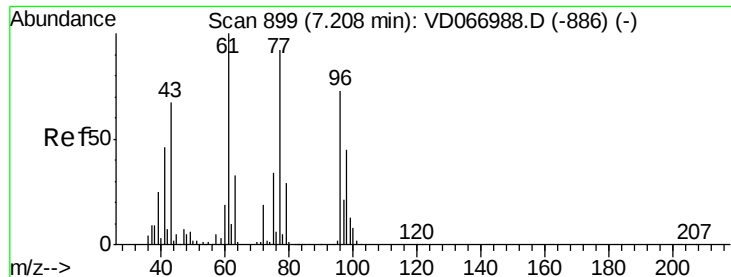
MMDadoda
 10/5/2020 5:34:37 PM



#24
 1,1-Dichloroethane
 Concen: 21.564 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
63	100		
98	9.6	4.2	12.6
100	3.7	2.6	7.8





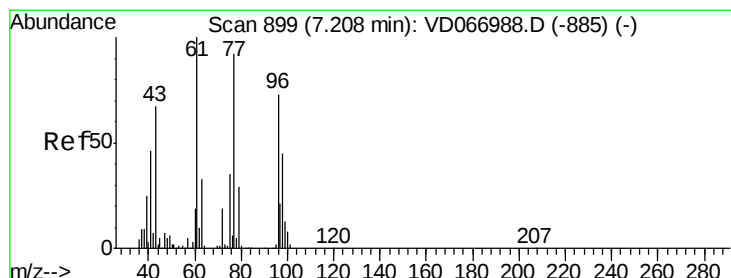
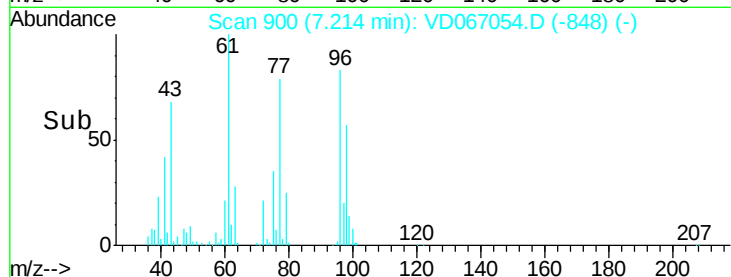
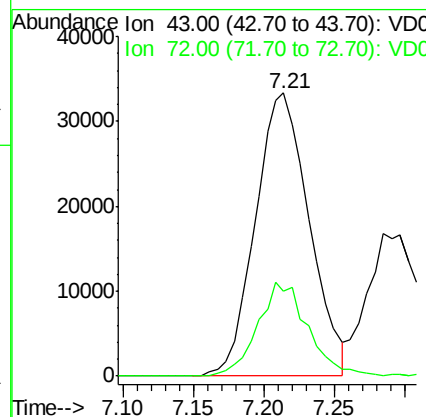
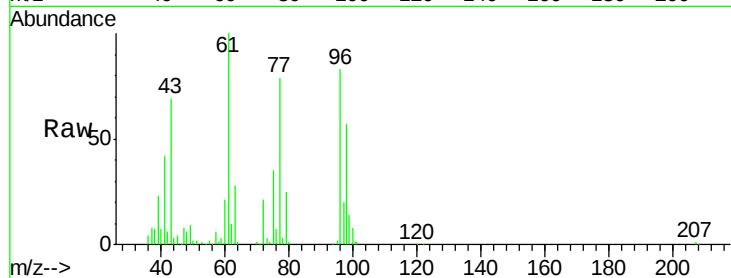
#25
2-Butanone
Concen: 102.578 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion: 43 Resp: 89042
Ion Ratio Lower Upper
43 100
72 30.2 22.8 34.2

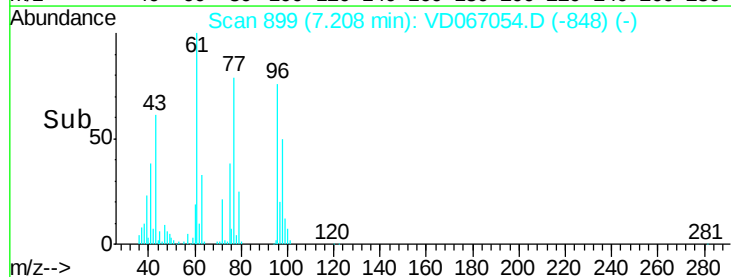
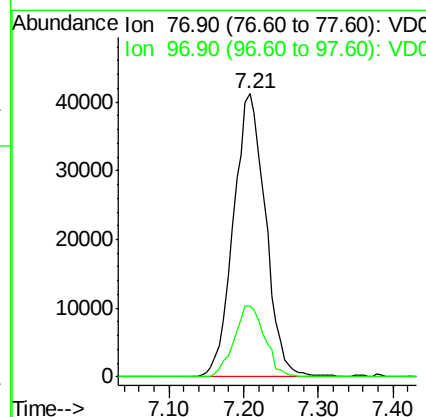
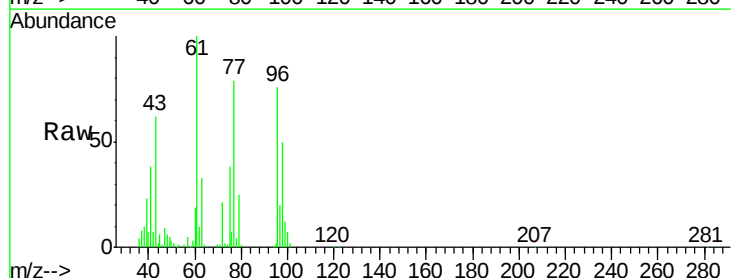
Manual Integrations
APPROVED

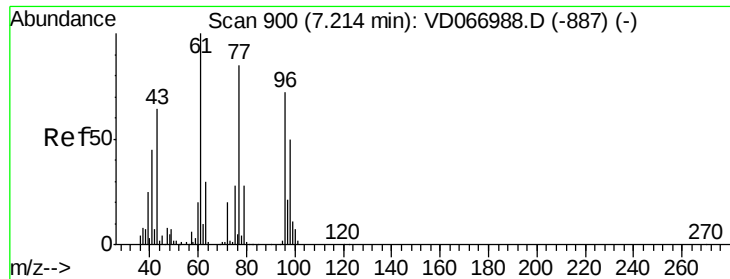
MMDadoda
10/5/2020 5:34:37 PM



#26
2,2-Dichloropropane
Concen: 17.294 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion: 77 Resp: 122825
Ion Ratio Lower Upper
77 100
97 24.0 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 22.056 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

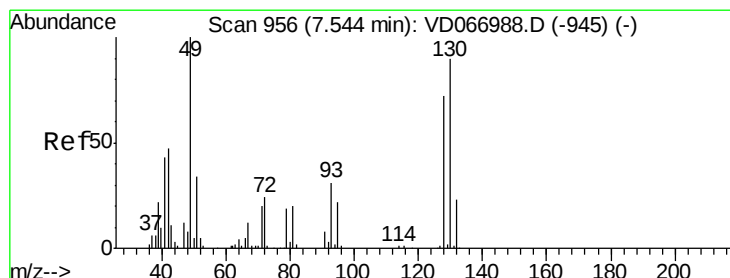
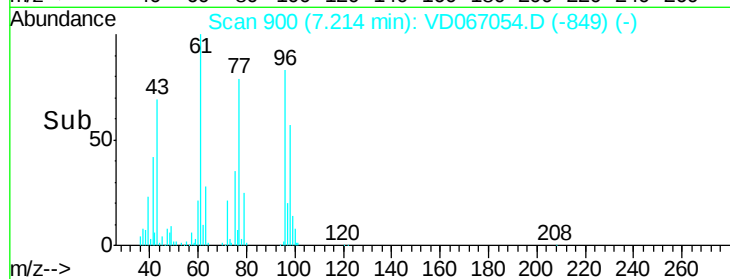
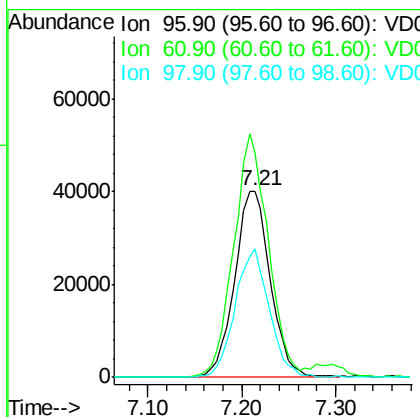
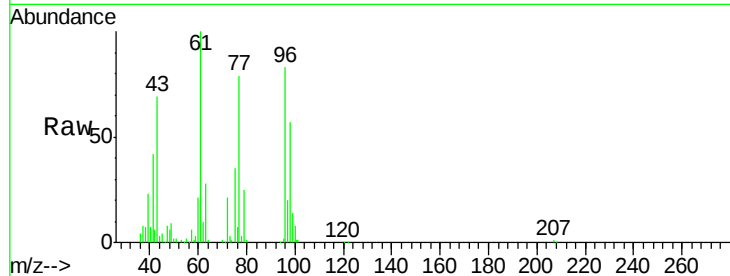
ClientSampleId :

VD1002SBSD02

Tot Ion:	96	Resp:	105231
Ion	Ratio	Lower	Upper
96	100		
61	126.8	0.0	269.2
98	66.1	0.0	129.4

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:37 PM



#28

Bromochloromethane

Concen: 19.879 ug/l

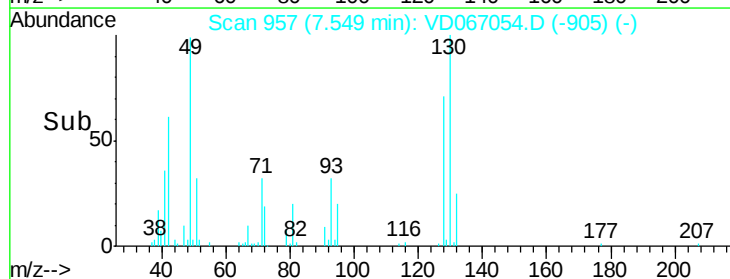
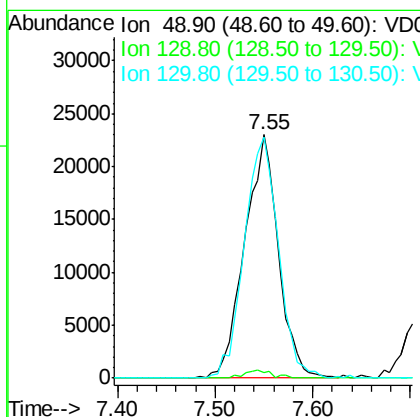
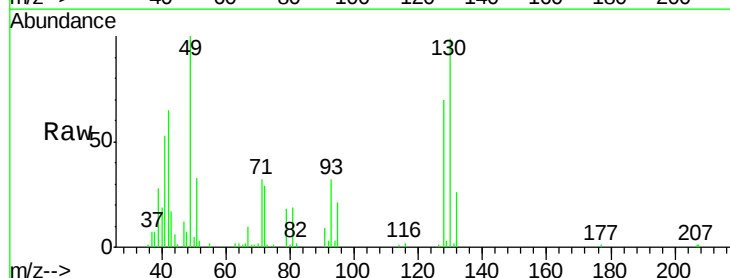
RT: 7.55 min Scan# 957

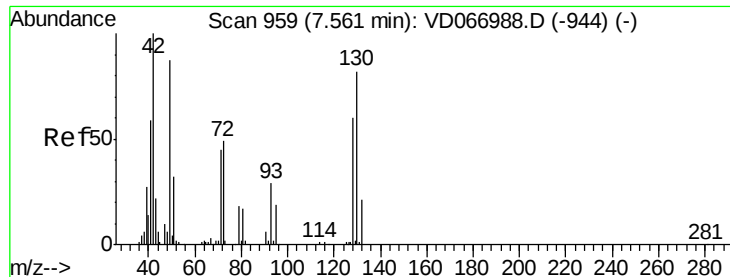
Delta R.T. 0.01 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Tgt Ion:	49	Resp:	55159
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.6
130	100.7	74.1	111.1





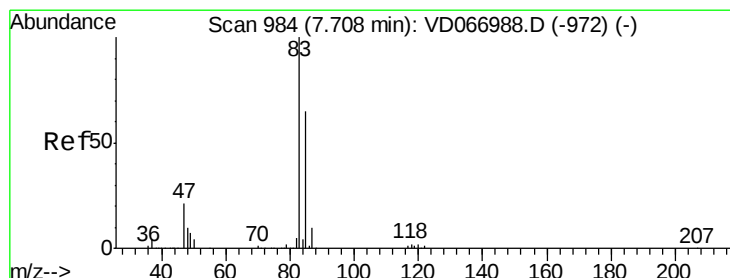
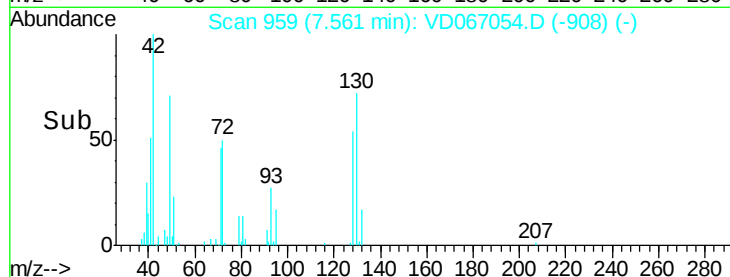
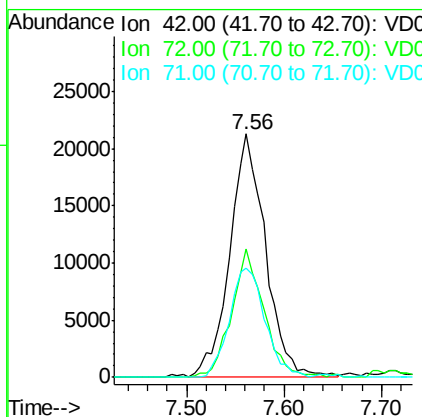
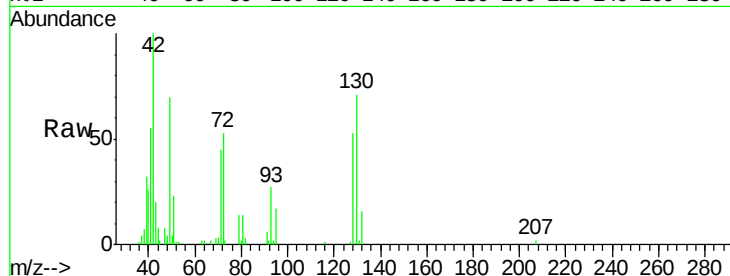
#29
Tetrahydrofuran
Concen: 108.973 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	39.1	58.7
71	44.8	34.2	51.4

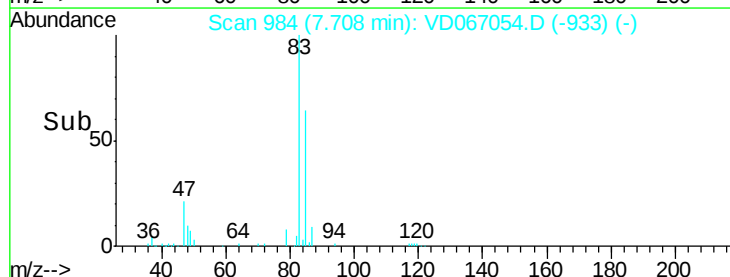
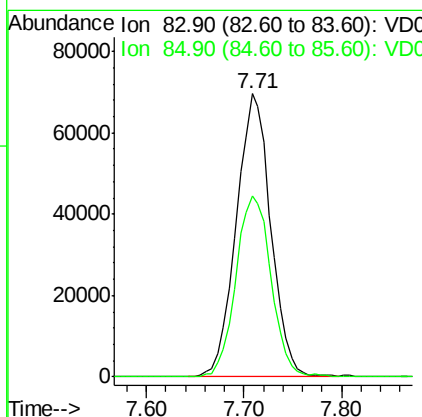
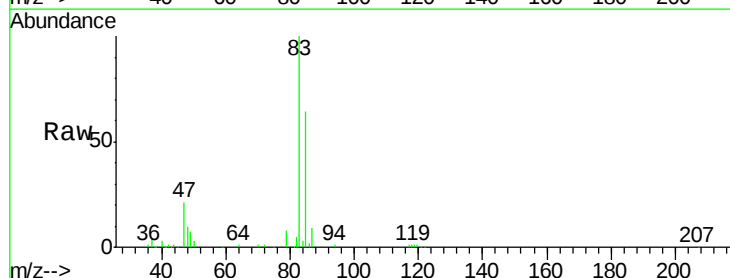
Manual Integrations
APPROVED

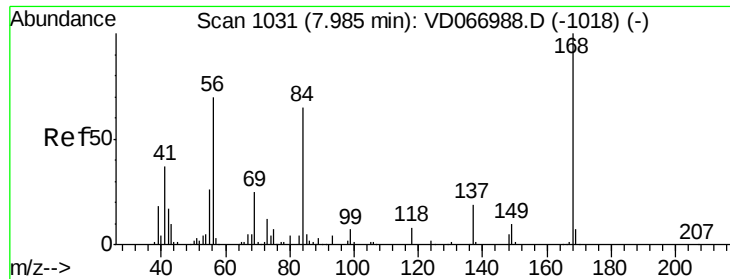
MMDadoda
10/5/2020 5:34:37 PM



#30
Chloroform
Concen: 22.032 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.3	78.5





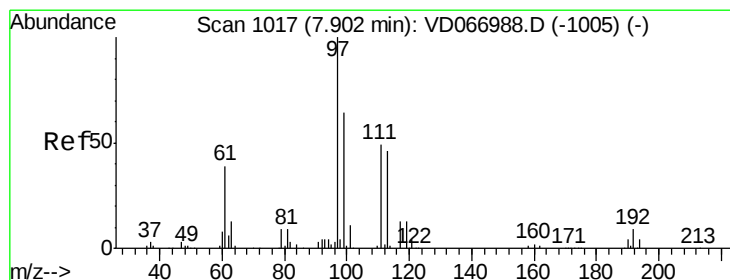
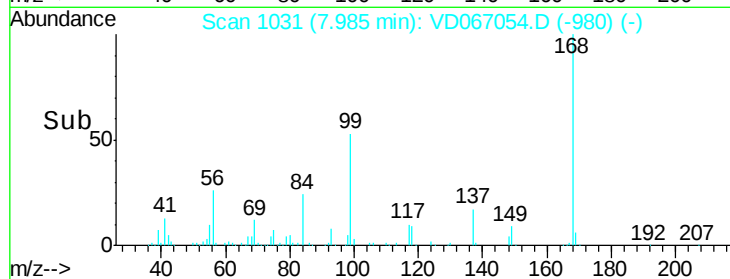
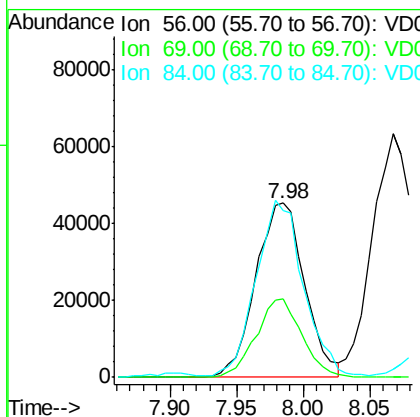
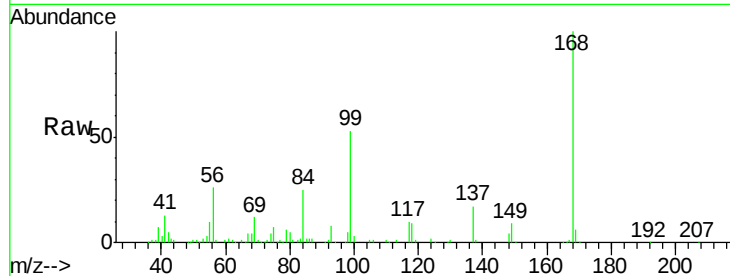
#31
Cyclohexane
Concen: 19.116 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	45.3	29.0	43.6#
84	93.8	74.2	111.2

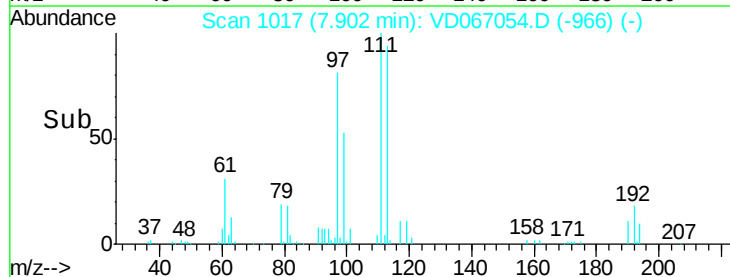
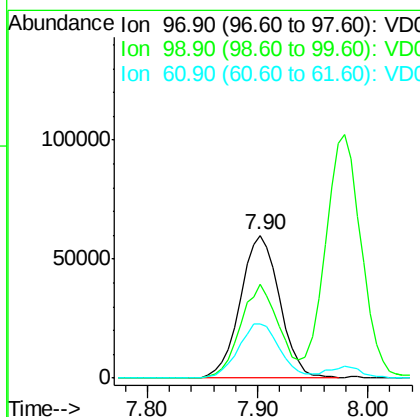
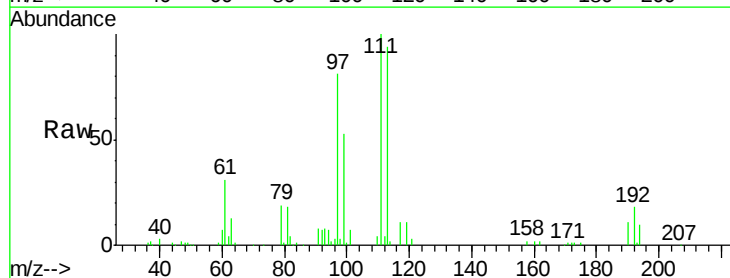
Manual Integrations
APPROVED

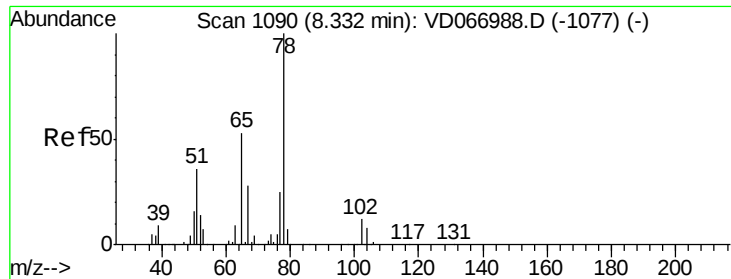
MMDadoda
10/5/2020 5:34:37 PM



#32
1,1,1-Trichloroethane
Concen: 20.759 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.6	78.8
61	40.3	32.8	49.2





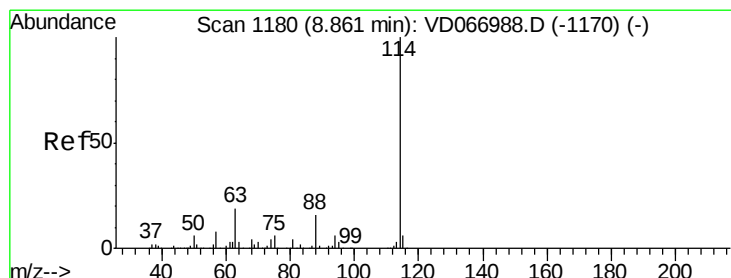
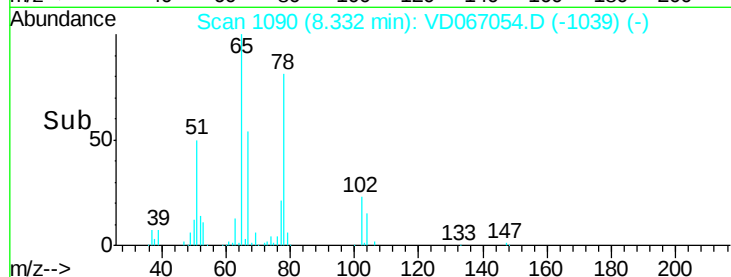
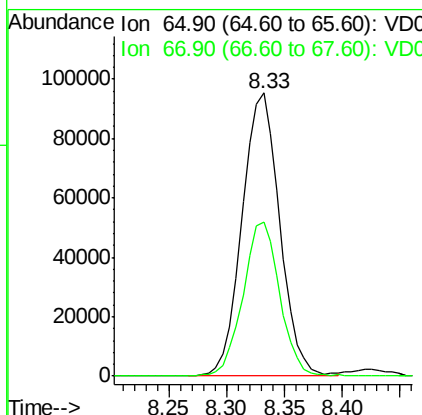
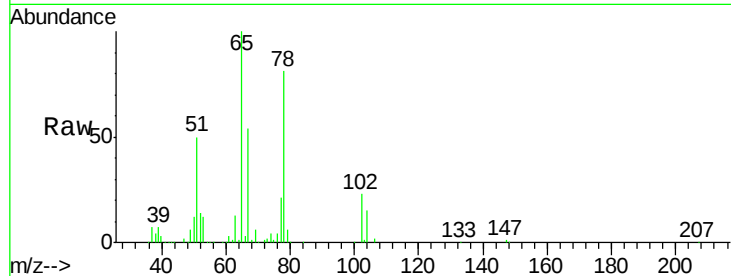
#33
 1,2-Dichloroethane-d4
 Concen: 53.986 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	216528		
67	52.9	0.0	106.8	

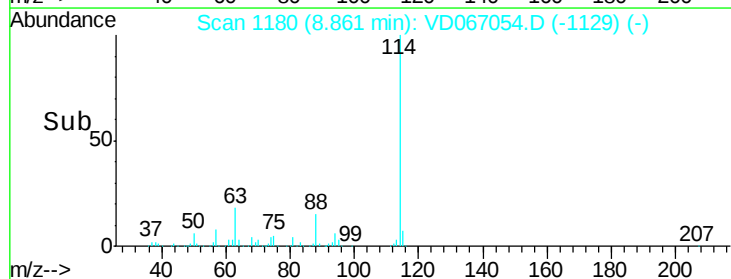
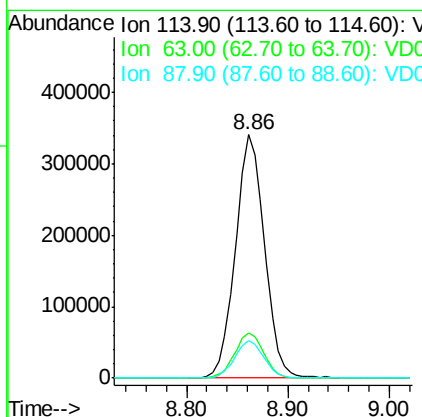
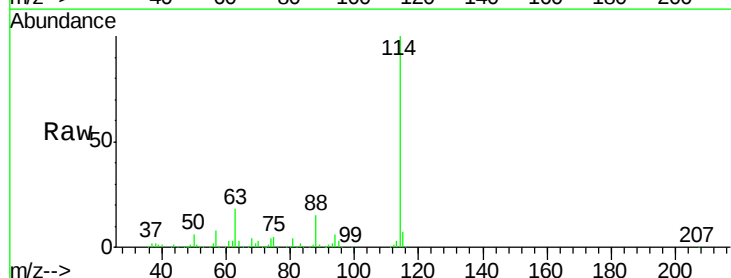
Manual Integrations
 APPROVED

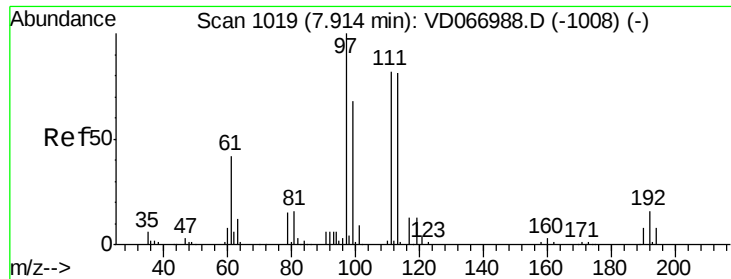
MMDadoda
 10/5/2020 5:34:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	677860		
63	18.3	0.0	38.4	
88	15.4	0.0	31.2	





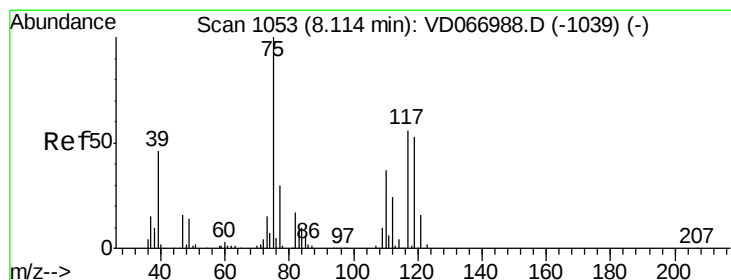
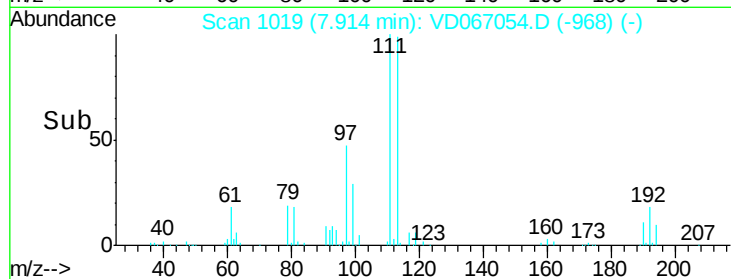
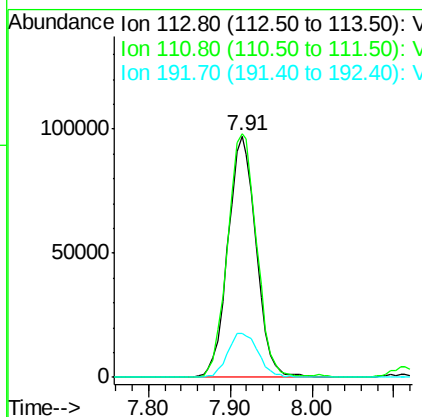
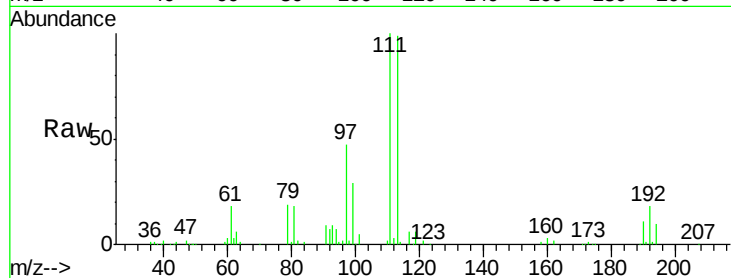
#35
 Dibromofluoromethane
 Concen: 52.439 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	232715		
111	103.9	83.0	124.4	
192	19.9	15.5	23.3	

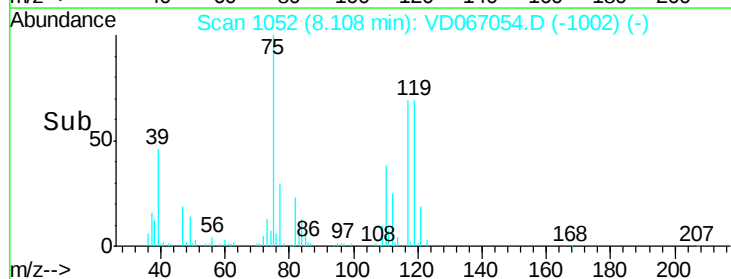
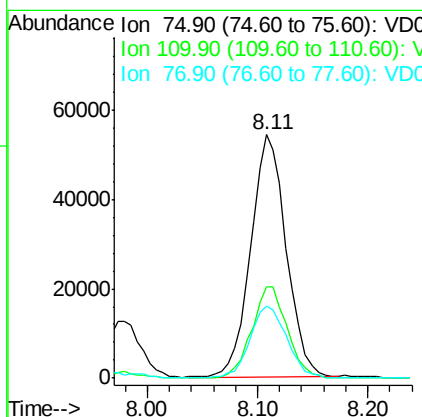
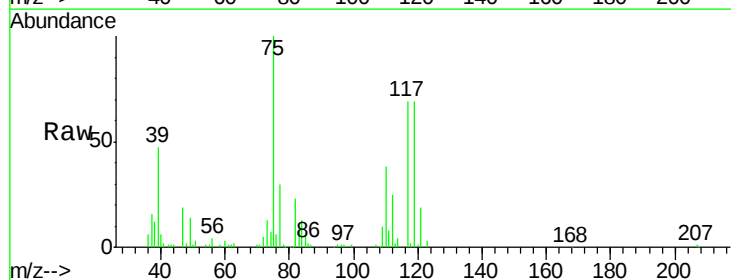
Manual Integrations
 APPROVED

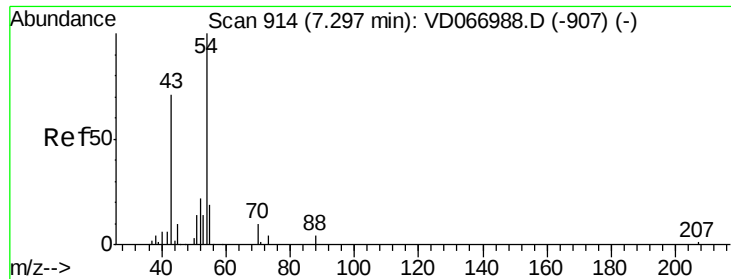
MMDadoda
 10/5/2020 5:34:37 PM



#36
 1,1-Dichloropropene
 Concen: 19.414 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122663		
110	37.6	18.4	55.0	
77	31.0	24.8	37.2	





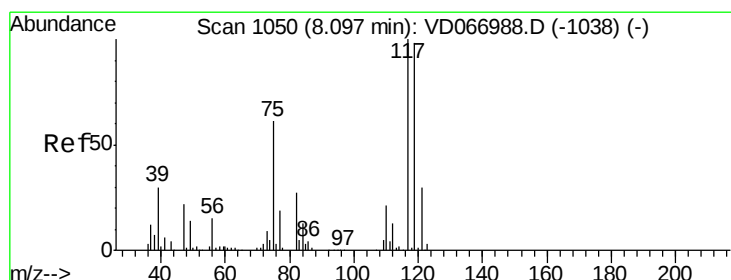
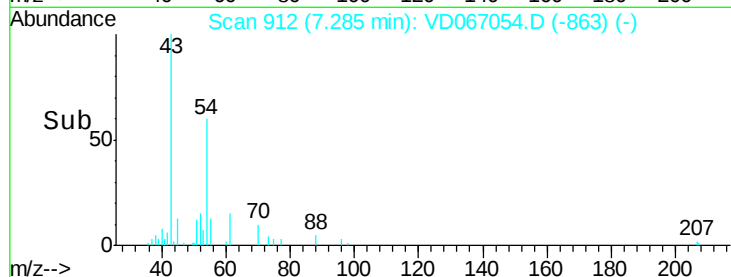
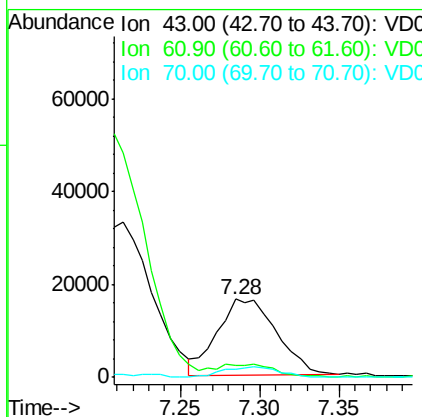
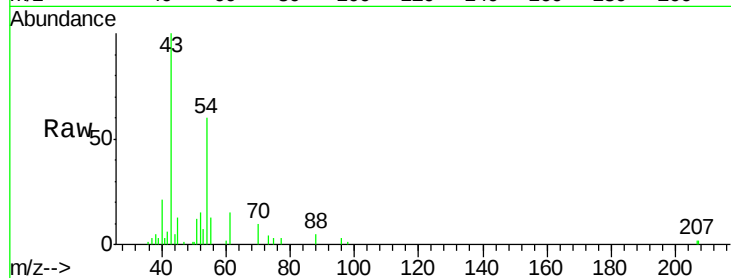
#37
Ethyl Acetate
Concen: 19.317 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.5	18.7
70	13.2	9.4	14.0

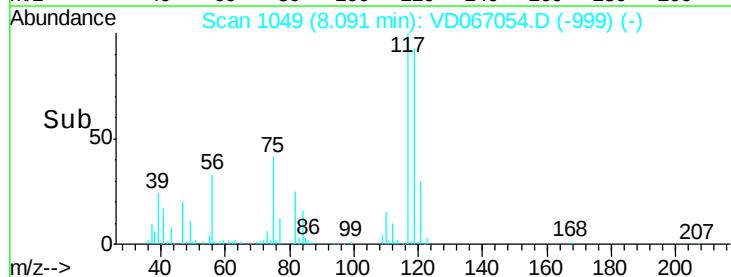
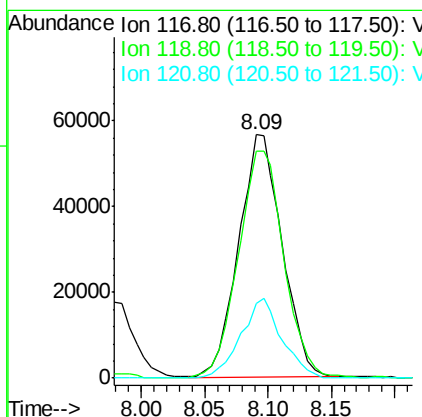
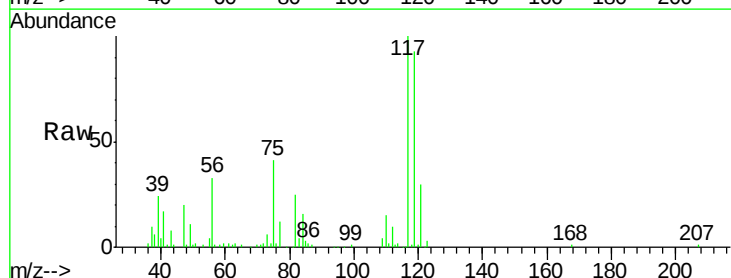
Manual Integrations
APPROVED

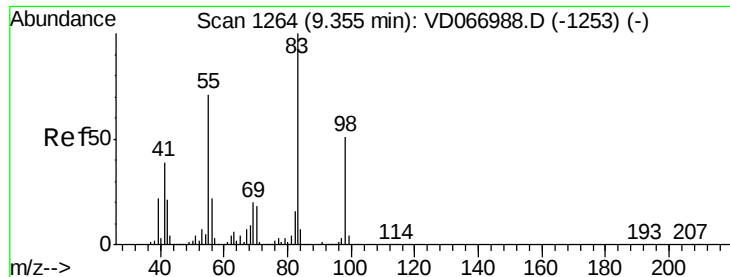
MMDadoda
10/5/2020 5:34:37 PM



#38
Carbon Tetrachloride
Concen: 19.708 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	78.7	118.1
121	30.6	24.2	36.2





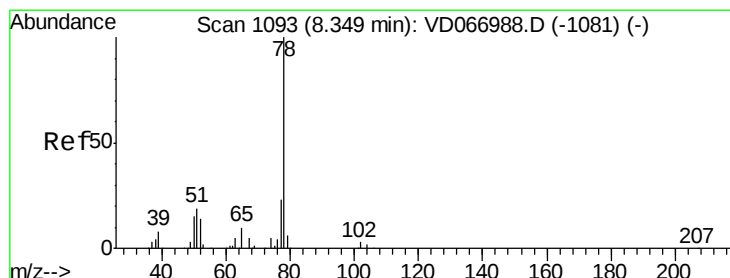
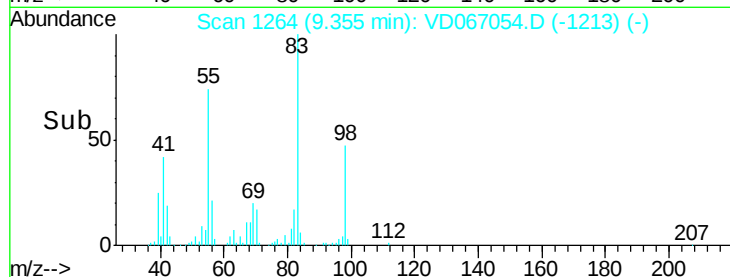
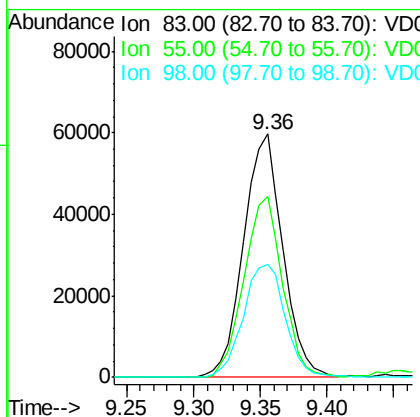
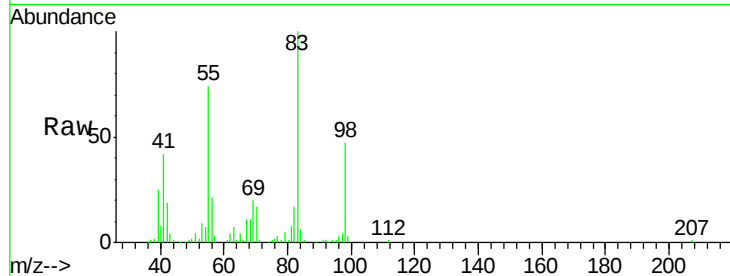
#39
Methvlcvclohexane
Concen: 18.156 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	57.1	85.7
98	46.6	40.9	61.3

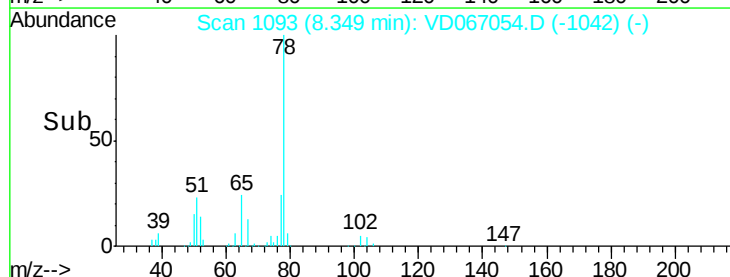
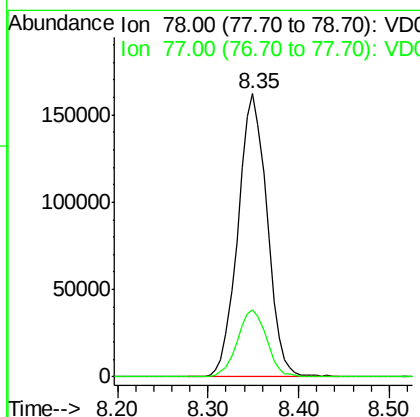
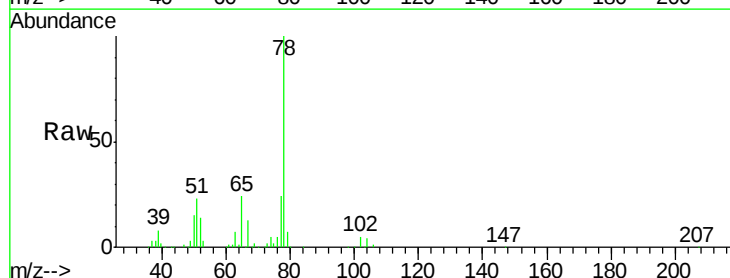
Manual Integrations
APPROVED

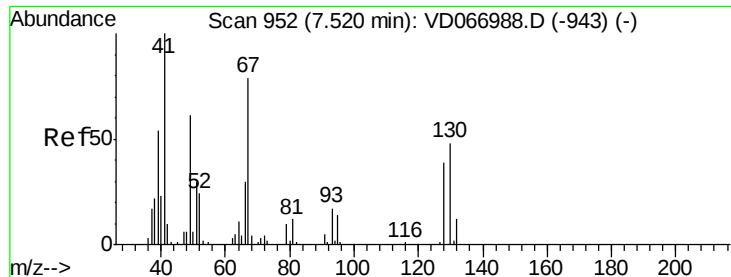
MMDadoda
10/5/2020 5:34:37 PM



#40
Benzene
Concen: 20.673 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.4	27.6





#41

Methacrylonitrile

Concen: 18.034 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

ClientSampleId :

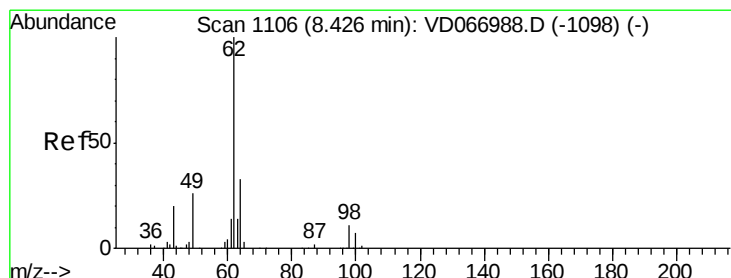
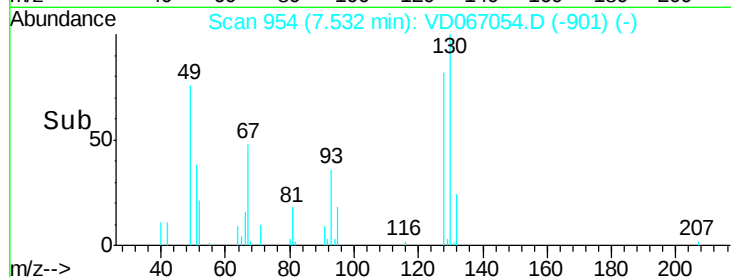
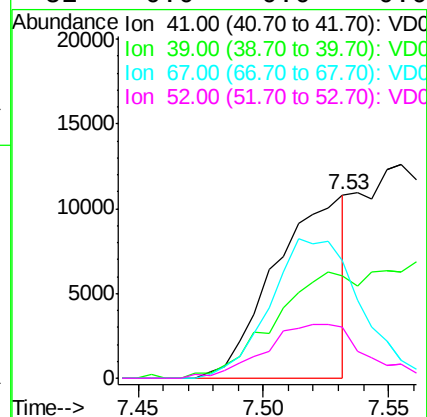
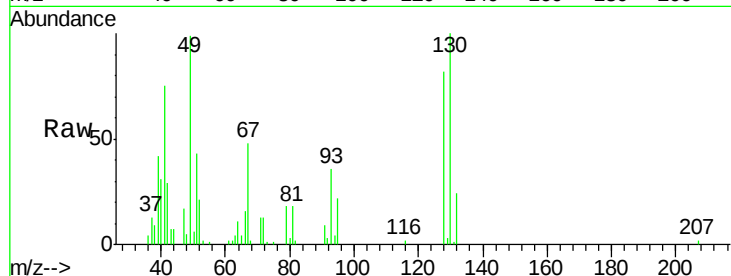
VD1002SBS02

Tot Ion: 41 Resp: 21326

Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:37 PM



#42

1,2-Dichloroethane

Concen: 20.662 ug/l

RT: 8.42 min Scan# 1105

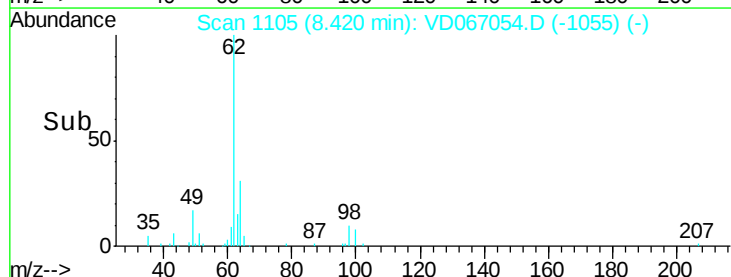
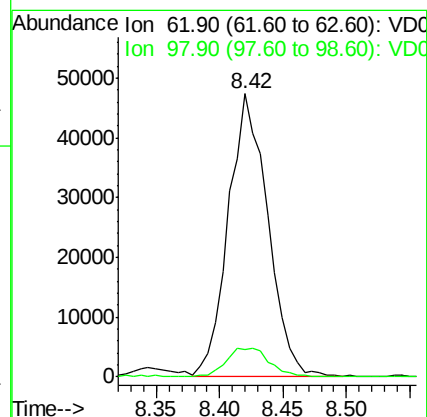
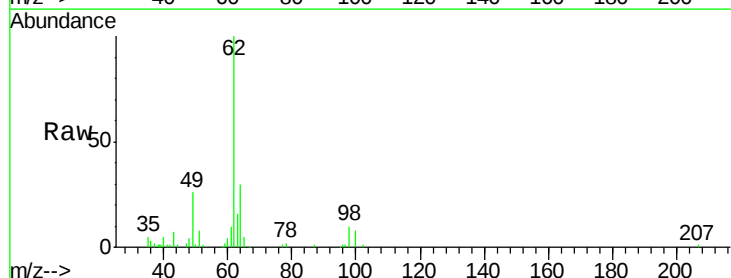
Delta R.T. -0.01 min

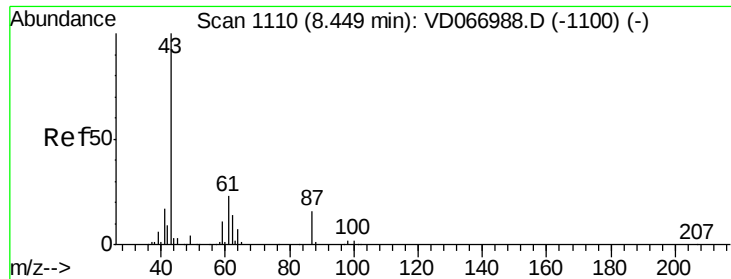
Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Tgt Ion: 62 Resp: 101324

Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	22.6





#43

Isopropyl Acetate

Concen: 20.375 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

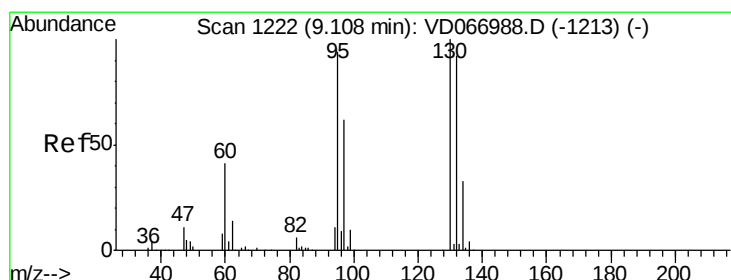
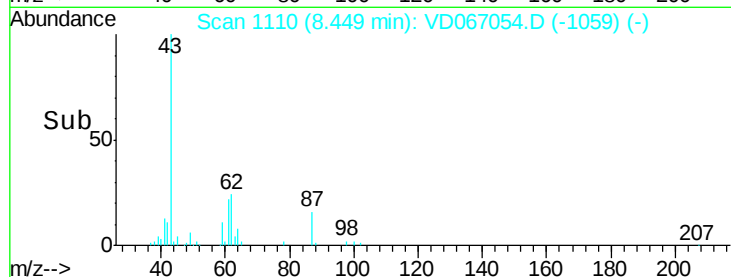
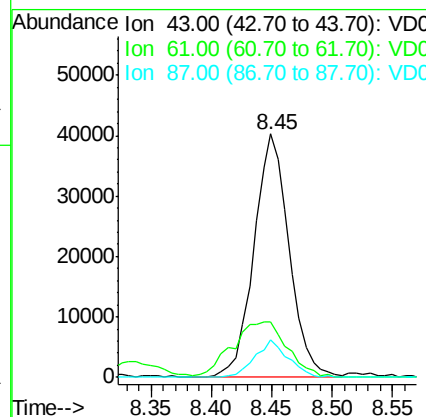
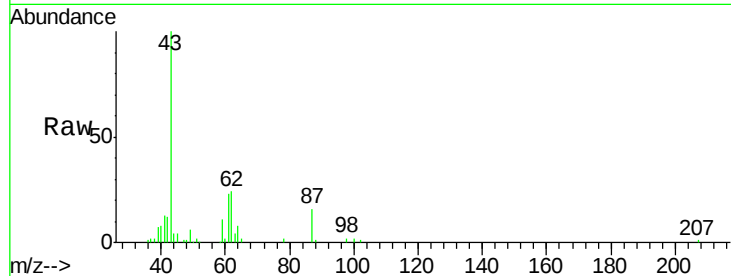
ClientSampleId :

VD1002SBS02

Tot Ion:	43	Resp:	82161
Ion	Ratio	Lower	Upper
43	100		
61	35.4	27.1	40.7
87	14.4	12.3	18.5

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:37 PM



#44

Trichloroethene

Concen: 20.874 ug/l

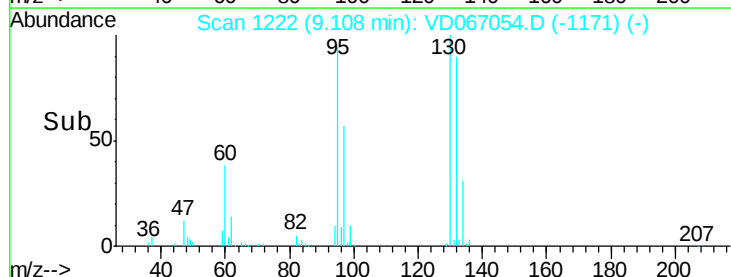
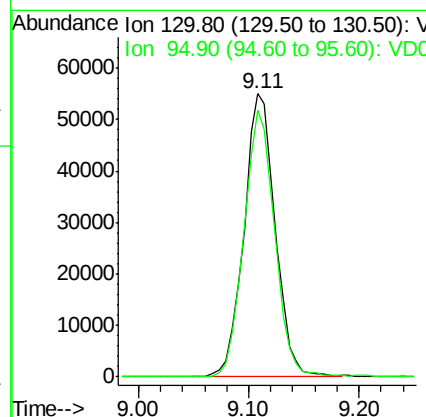
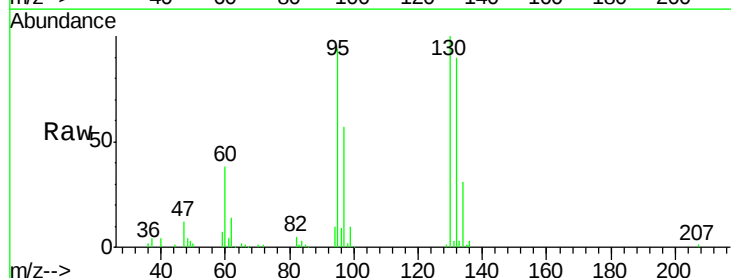
RT: 9.11 min Scan# 1222

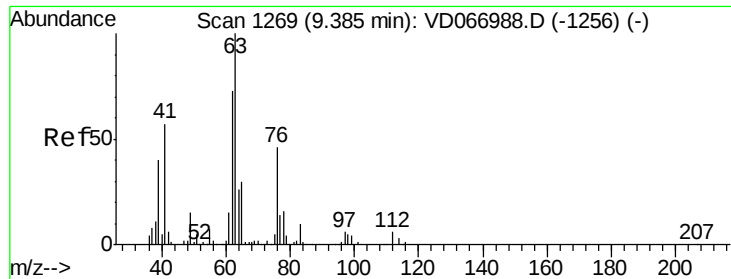
Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Tgt Ion:	130	Resp:	109388
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	187.8





#45

1,2-Dichloropropane

Concen: 21.391 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS02

Tot Ion: 63 Resp: 88205

Ion Ratio Lower Upper

63 100

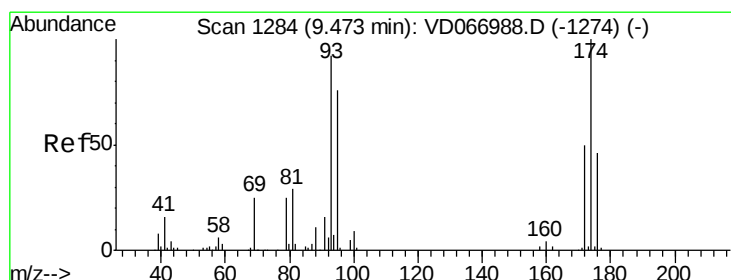
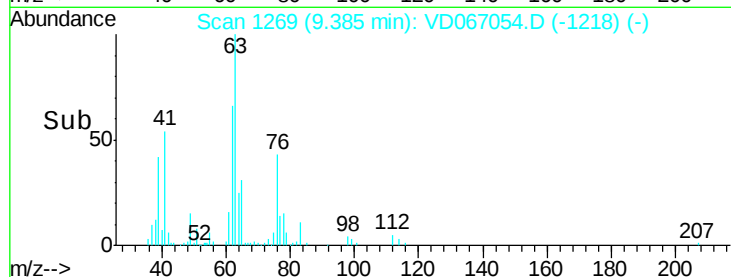
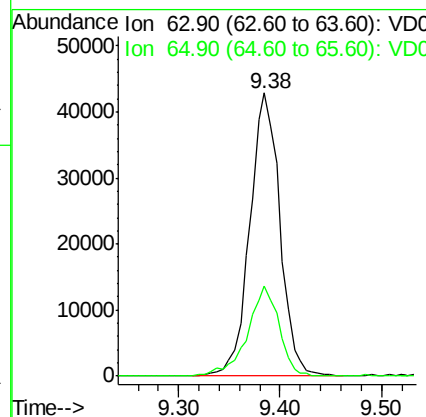
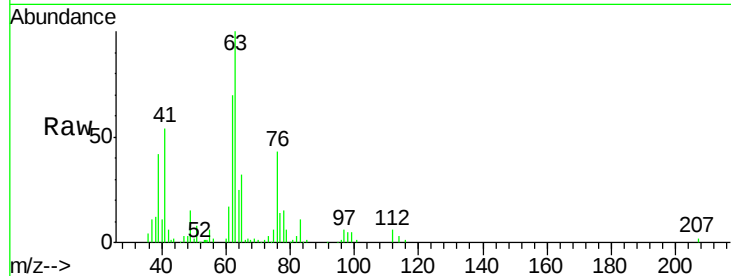
65 32.0 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

10/5/2020 5:34:37 PM



#46

Dibromomethane

Concen: 21.907 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

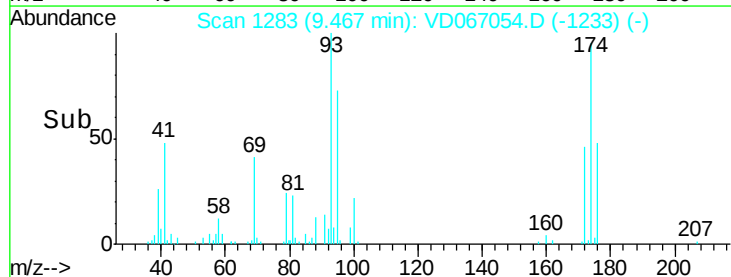
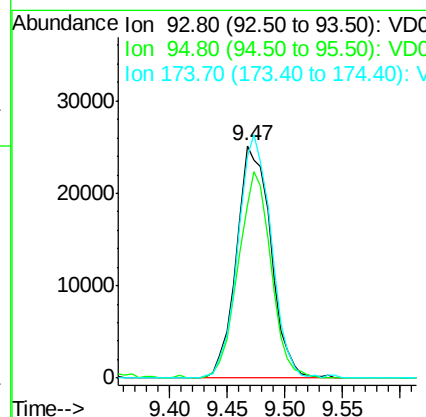
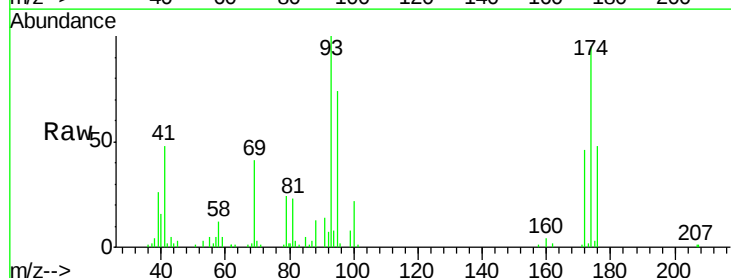
Tgt Ion: 93 Resp: 51919

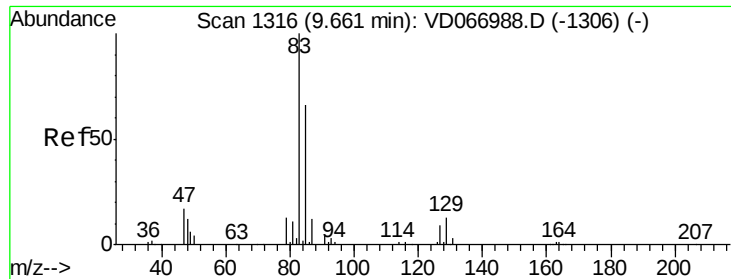
Ion Ratio Lower Upper

93 100

95 84.2 64.7 97.1

174 101.2 81.4 122.2





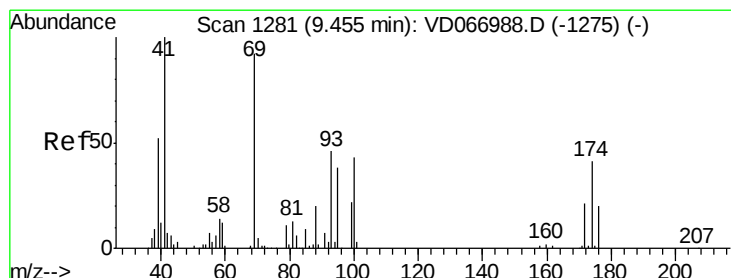
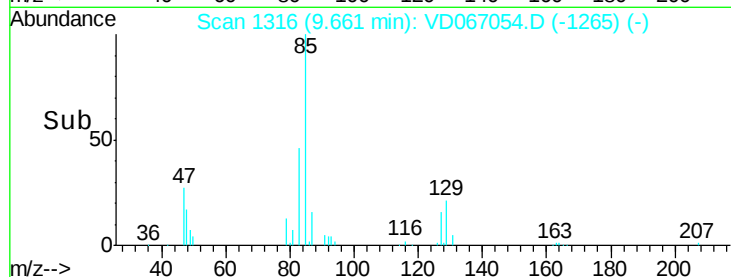
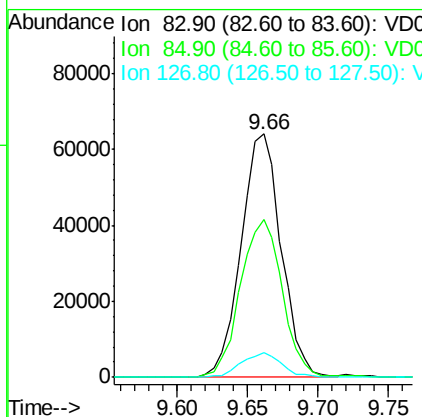
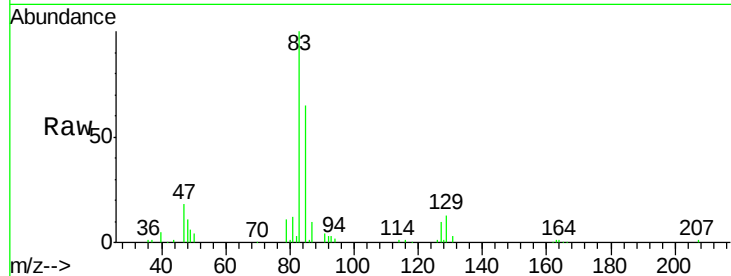
#47
Bromodichloromethane
Concen: 20.759 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD02

Tot Ion	83	Resp	127890
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	52.9	79.3
127	10.2	7.3	10.9

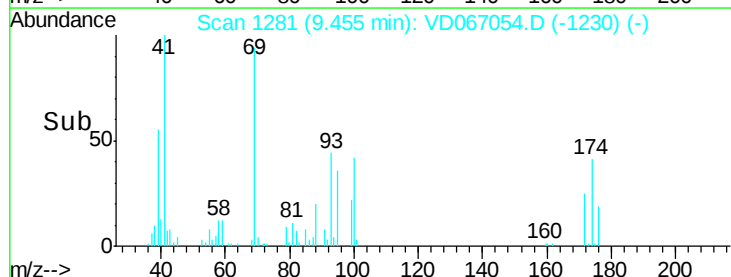
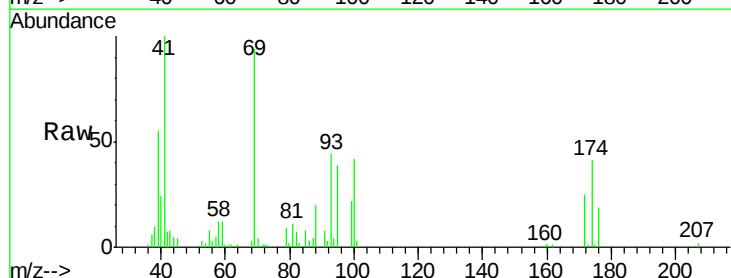
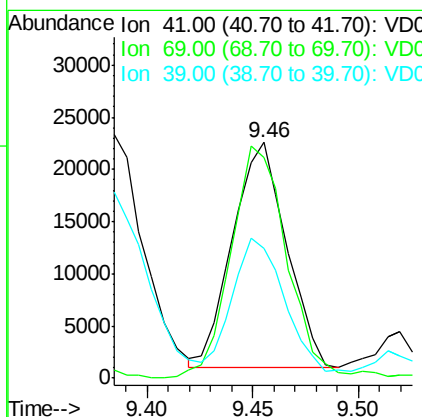
Manual Integrations
APPROVED

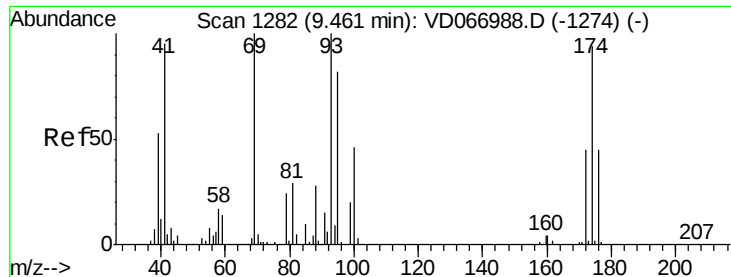
MMDadoda
10/5/2020 5:34:37 PM



#48
Methyl methacrylate
Concen: 18.584 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	41	Resp	38392
Ion Ratio	100	Lower	Upper
41	100		
69	108.2	68.5	102.7#
39	63.2	40.2	60.2#





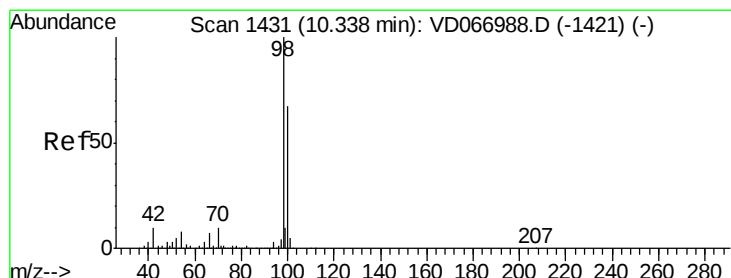
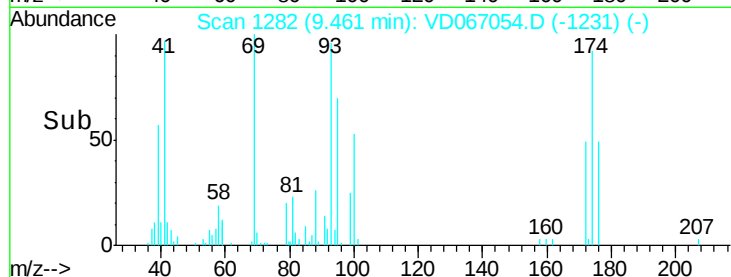
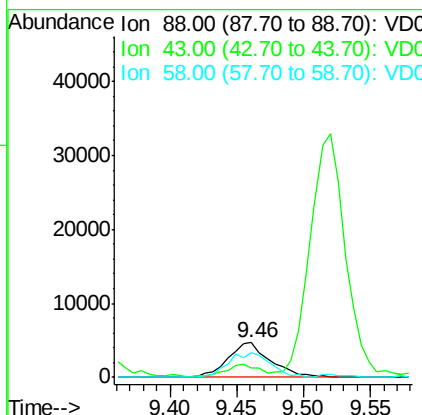
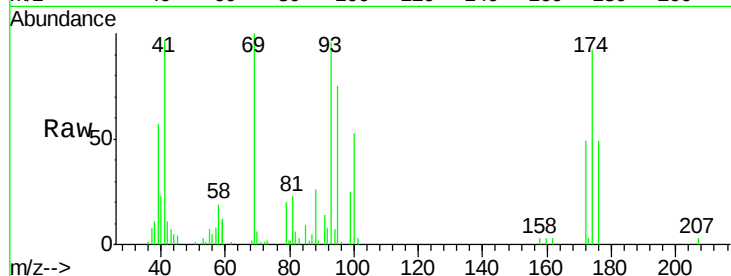
#49
1,4-Dioxane
Concen: 420.211 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	25.6	38.4
58	70.2	53.5	80.3

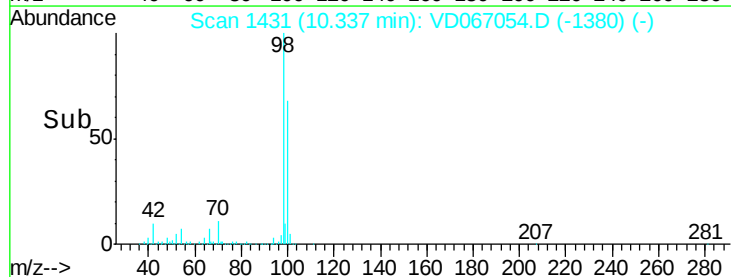
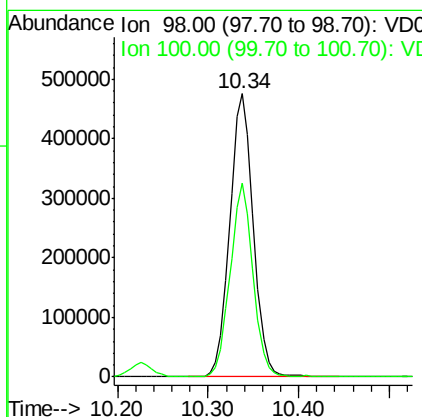
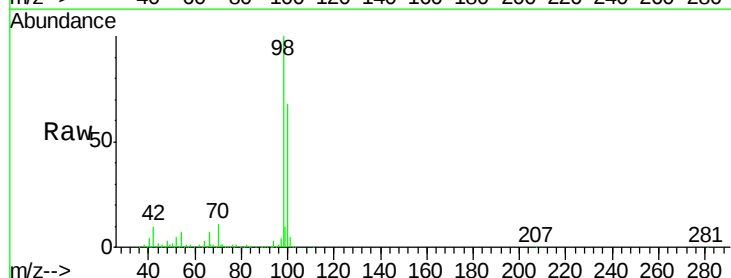
Manual Integrations
APPROVED

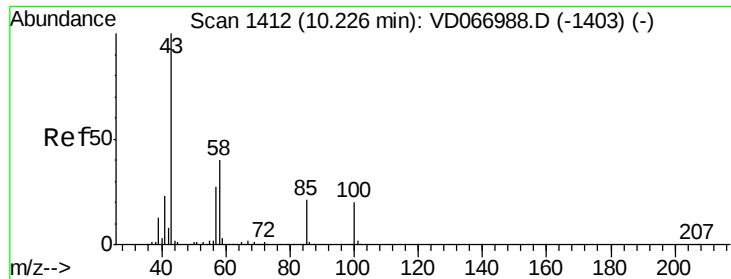
MMDadoda
10/5/2020 5:34:37 PM



#50
Toluene-d8
Concen: 53.195 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.8	79.2





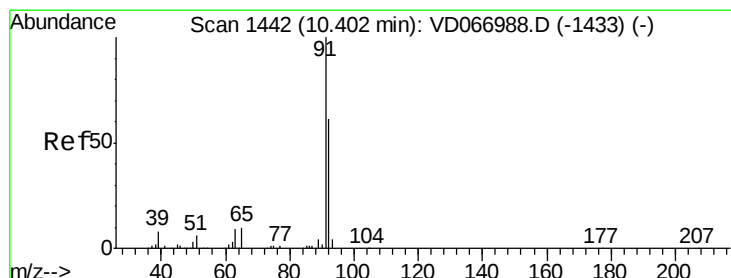
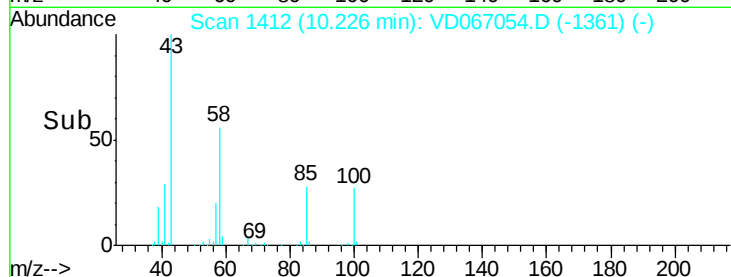
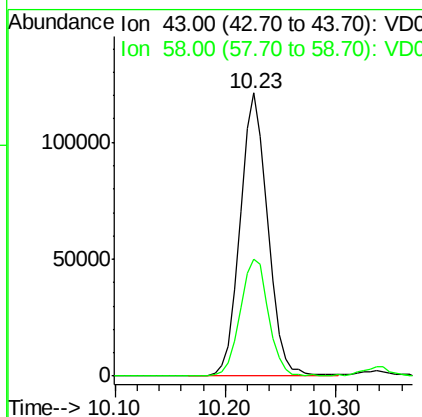
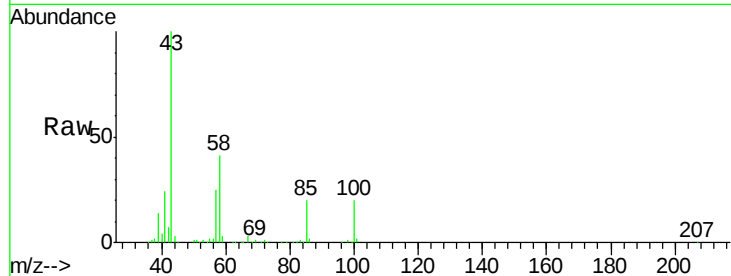
#51
4-Methyl-2-Pentanone
Concen: 106.178 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion	43	Resp	213260
Ion Ratio	43	100	
Lower	58	41.9	33.8
Upper			50.8

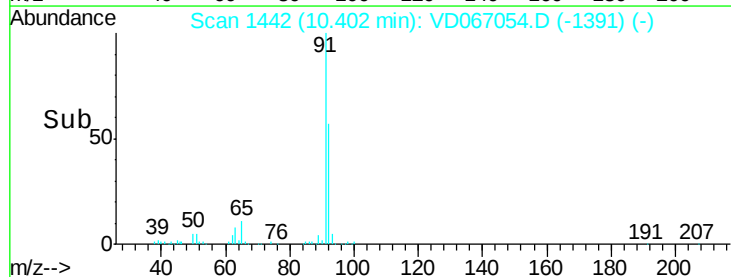
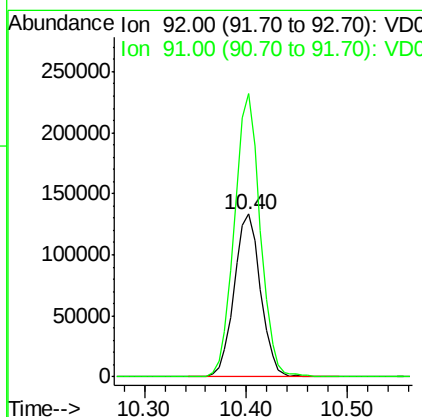
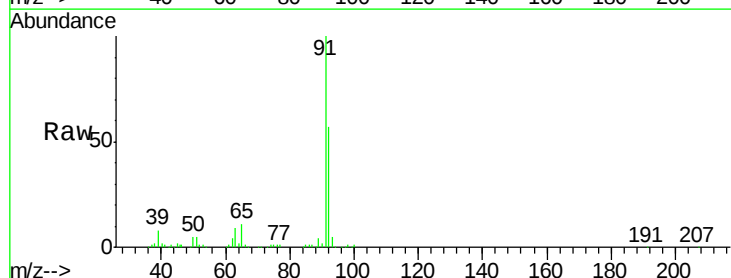
Manual Integrations
APPROVED

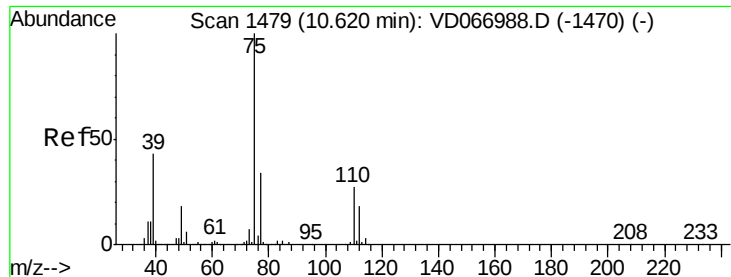
MMDadoda
10/5/2020 5:34:37 PM



#52
Toluene
Concen: 21.410 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	92	Resp	242042
Ion Ratio	92	100	
Lower	91	169.8	135.1
Upper			202.7





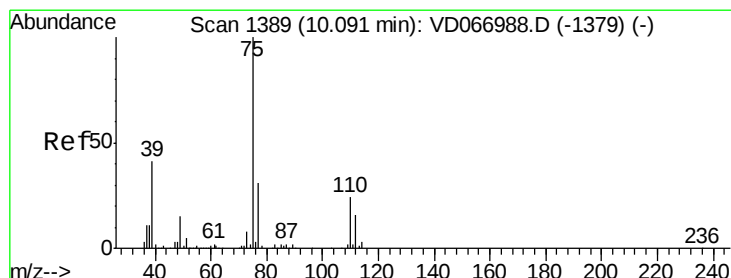
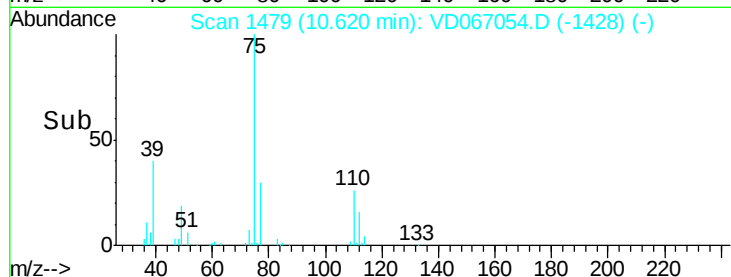
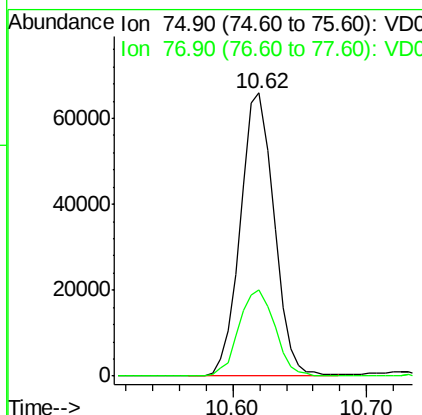
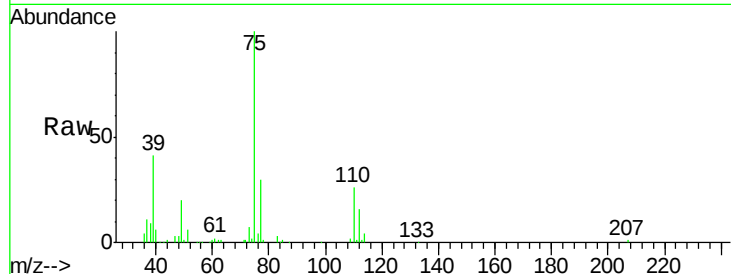
#53
 t-1,3-Dichloropropene
 Concen: 21.008 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS02

Tot Ion: 75 Resp: 115668
 Ion Ratio Lower Upper
 75 100
 77 30.5 27.1 40.7

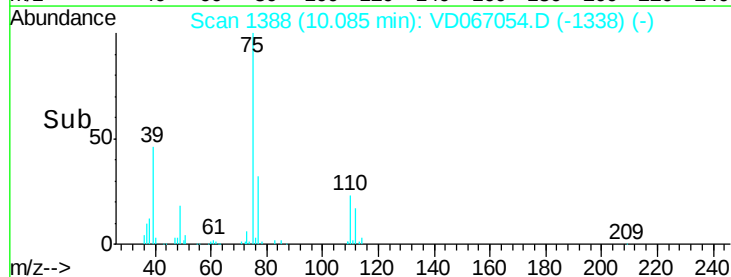
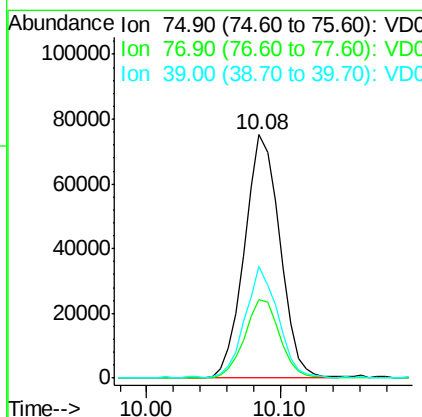
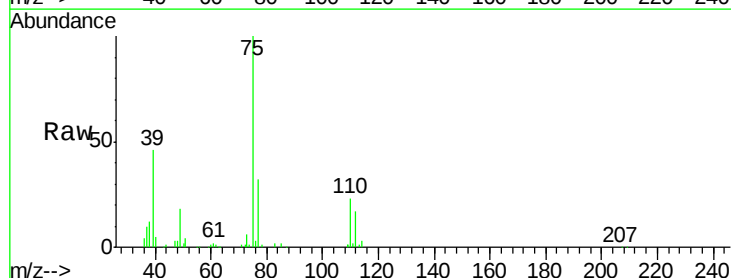
Manual Integrations
 APPROVED

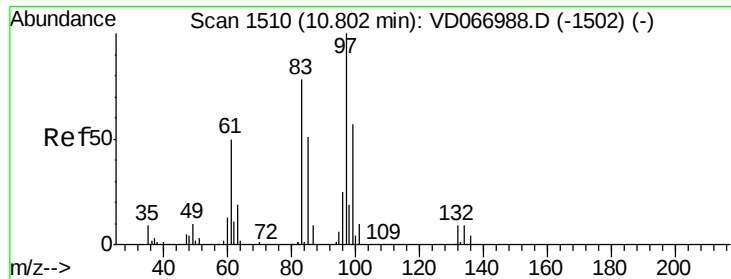
MMDadoda
 10/5/2020 5:34:37 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.567 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Tgt Ion: 75 Resp: 138279
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.6 37.0
 39 45.3 33.0 49.4





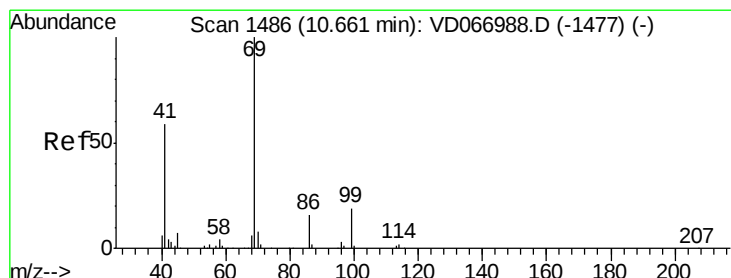
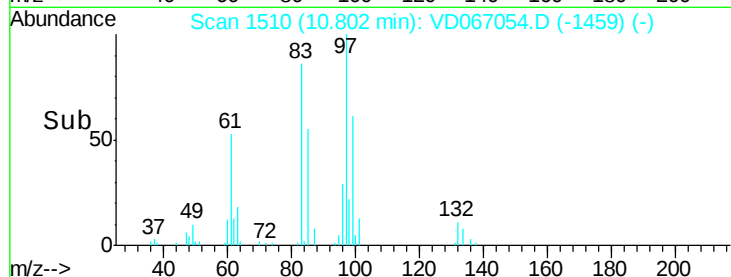
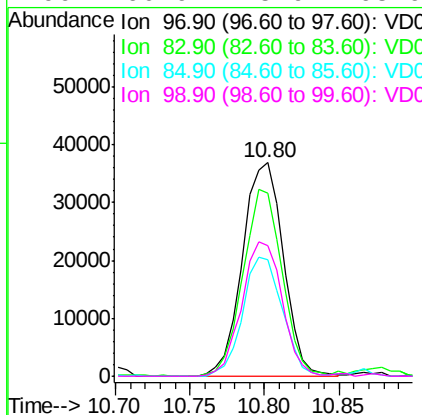
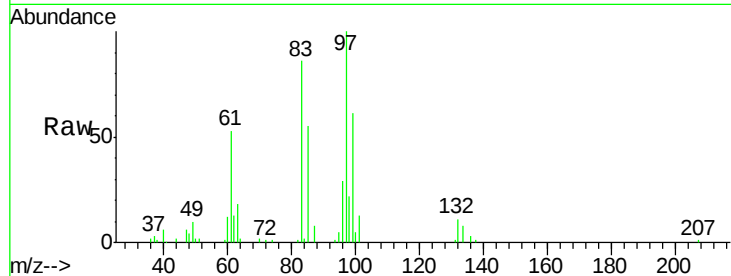
#55
 1,1,2-Trichloroethane
 Concen: 21.262 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS02

Tot Ion:	97	Resp:	70060
Ion	Ratio	Lower	Upper
97	100		
83	86.0	62.4	93.6
85	54.5	41.0	61.4
99	60.9	45.9	68.9

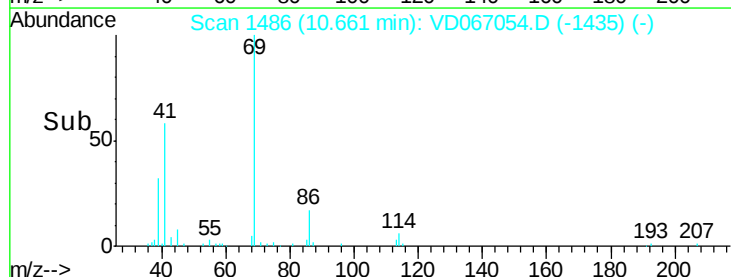
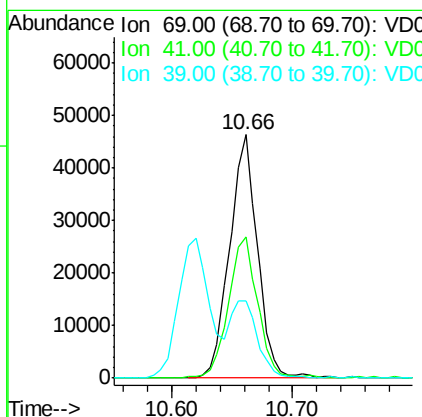
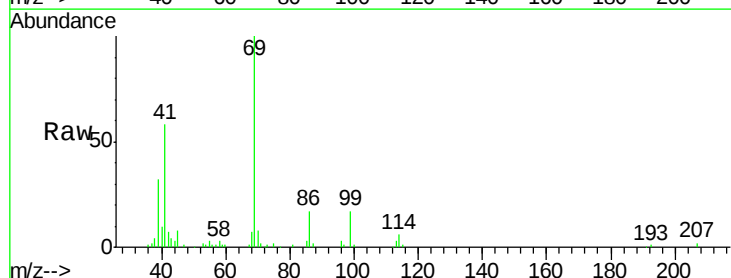
Manual Integrations
 APPROVED

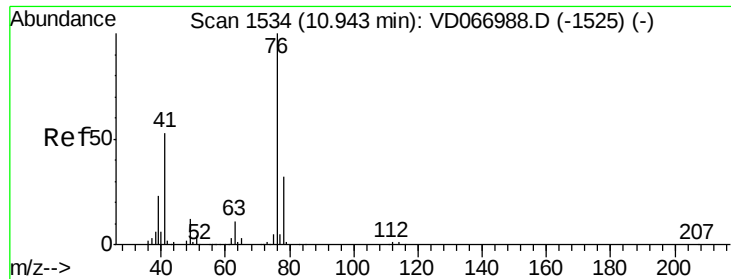
MMDadoda
 10/5/2020 5:34:37 PM



#56
 Ethyl methacrylate
 Concen: 21.947 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Tgt Ion:	69	Resp:	74661
Ion	Ratio	Lower	Upper
69	100		
41	60.7	46.4	69.6
39	31.0	23.8	35.6





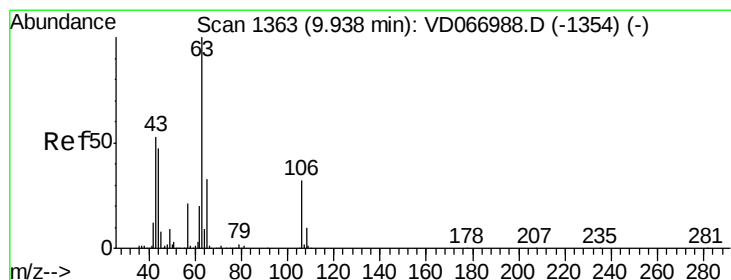
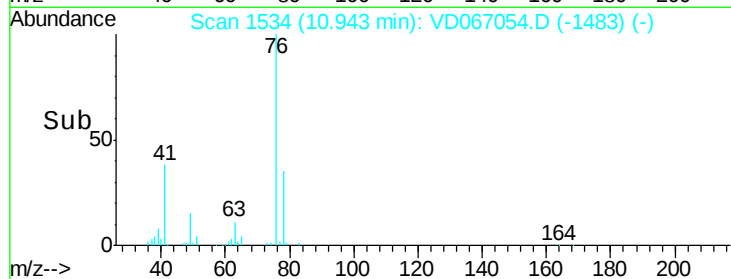
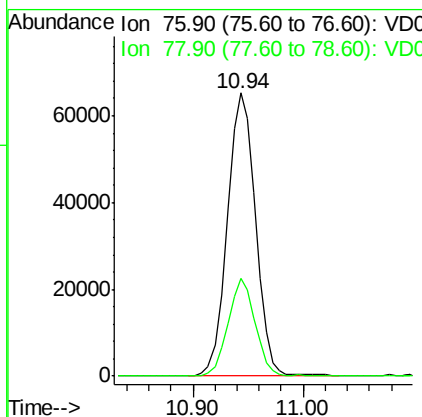
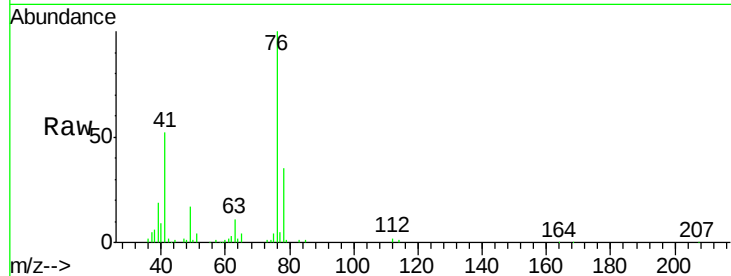
#57
 1,3-Dichloropropane
 Concen: 21.904 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS02

Tot Ion: 76 Resp: 117040
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.8 38.8

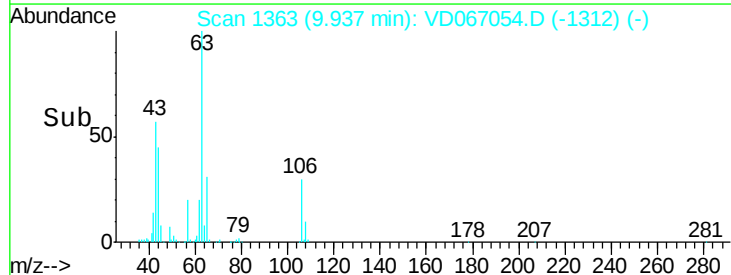
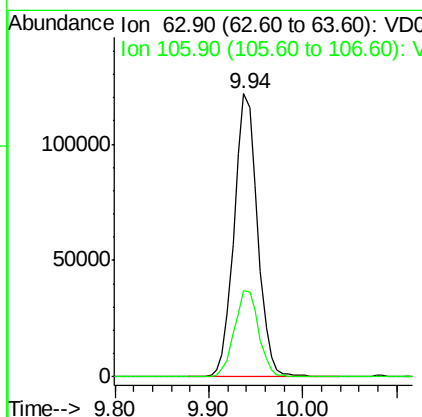
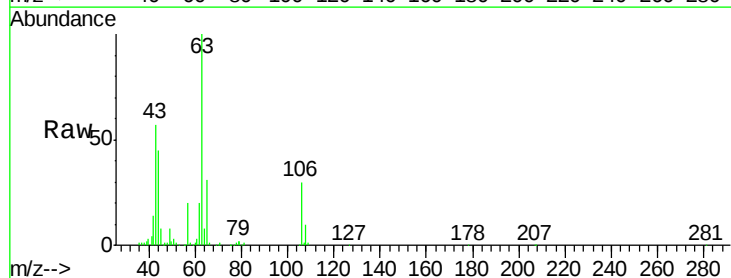
Manual Integrations
 APPROVED

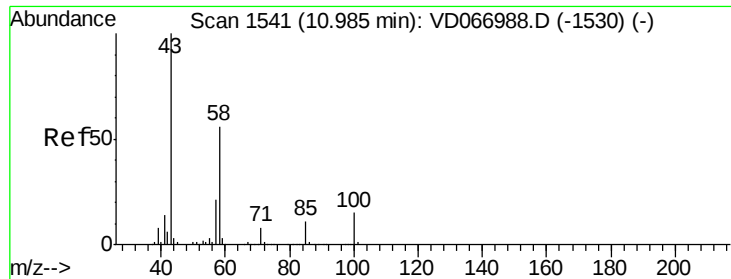
MMDadoda
 10/5/2020 5:34:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.175 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Tgt Ion: 63 Resp: 210503
 Ion Ratio Lower Upper
 63 100
 106 31.7 25.3 37.9





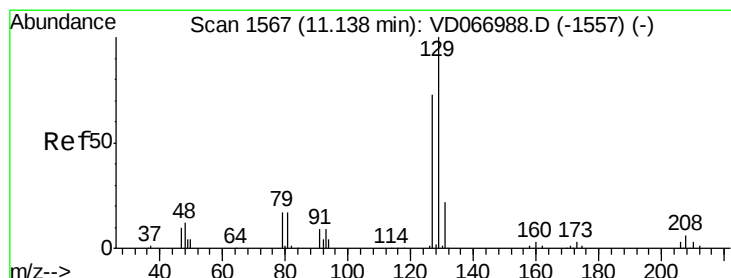
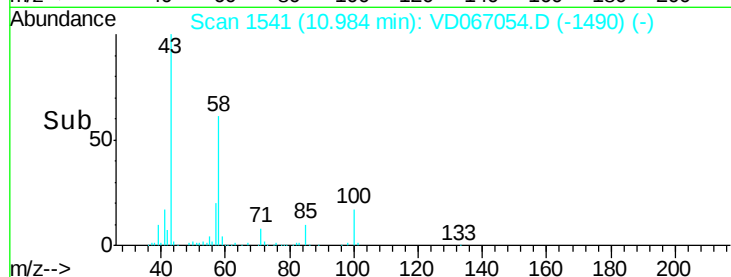
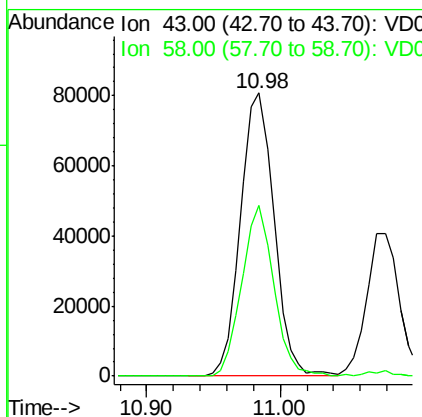
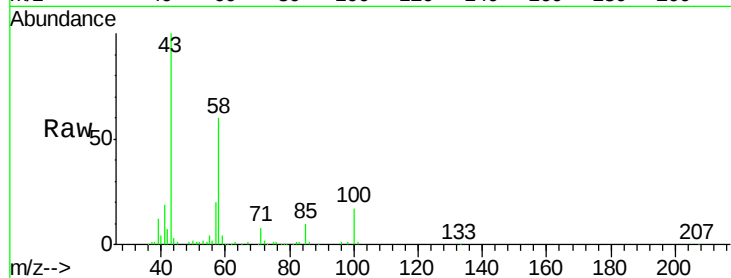
#59
2-Hexanone
Concen: 105.253 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion: 43 Resp: 141099
Ion Ratio Lower Upper
43 100
58 57.5 28.3 84.9

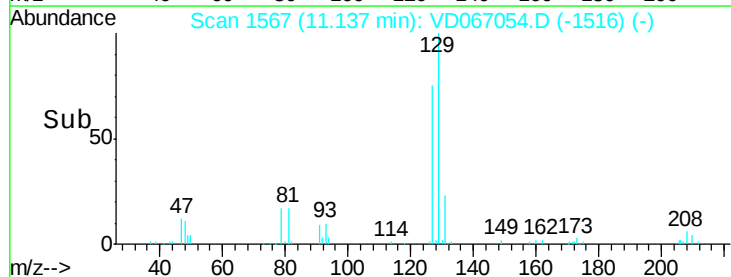
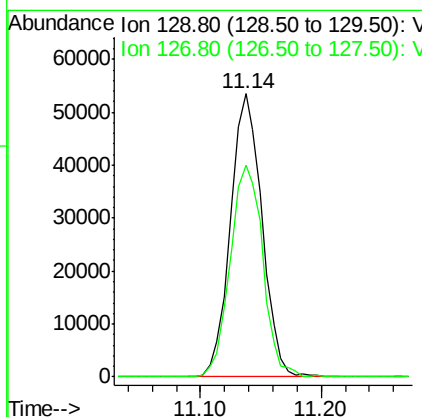
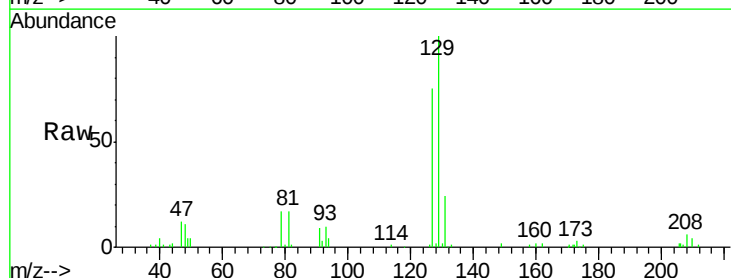
Manual Integrations
APPROVED

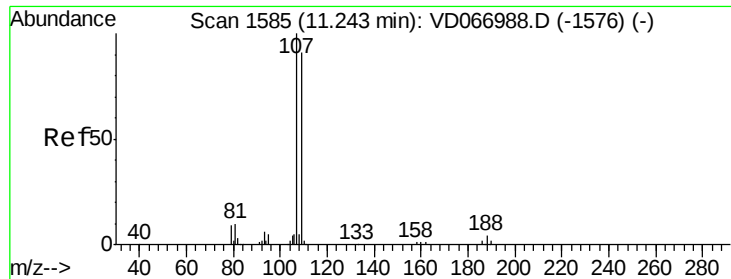
MMDadoda
10/5/2020 5:34:37 PM



#60
Dibromochloromethane
Concen: 22.100 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion: 129 Resp: 97058
Ion Ratio Lower Upper
129 100
127 77.3 37.4 112.1





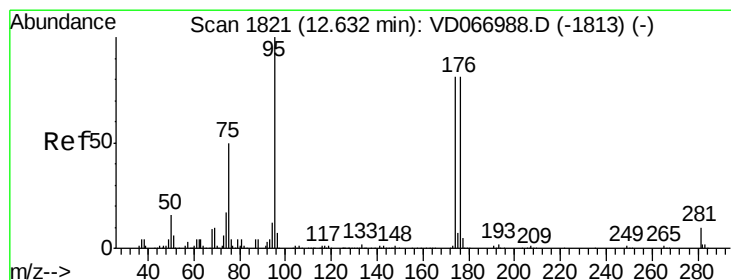
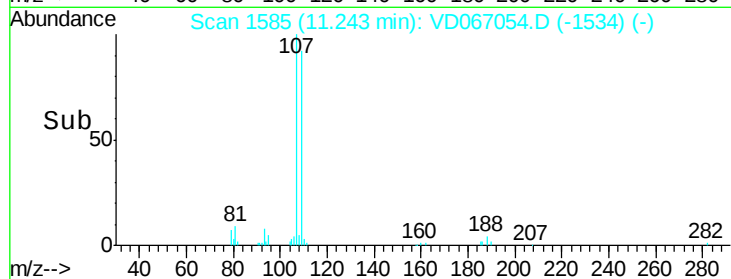
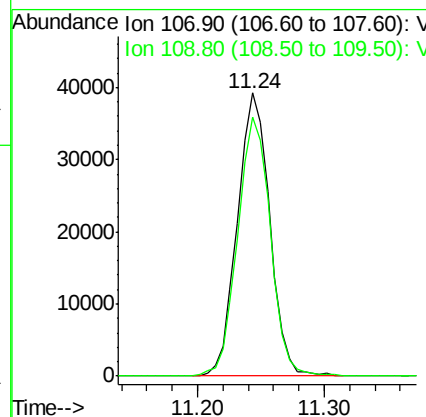
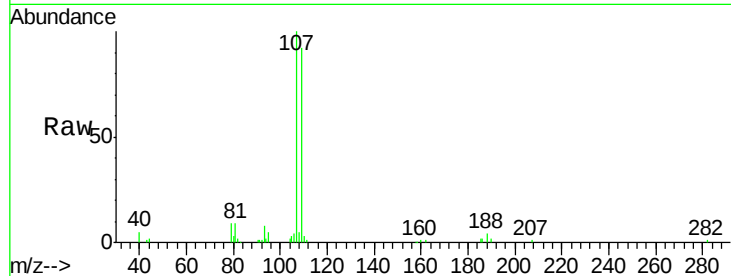
#61
 1,2-Dibromoethane
 Concen: 21.861 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS02

Tot Ion: 107 Resp: 69203
 Ion Ratio Lower Upper
 107 100
 109 92.9 74.0 111.0

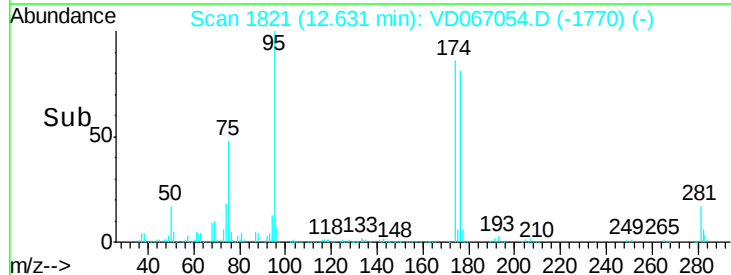
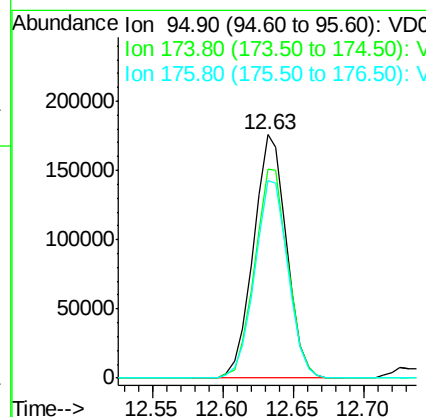
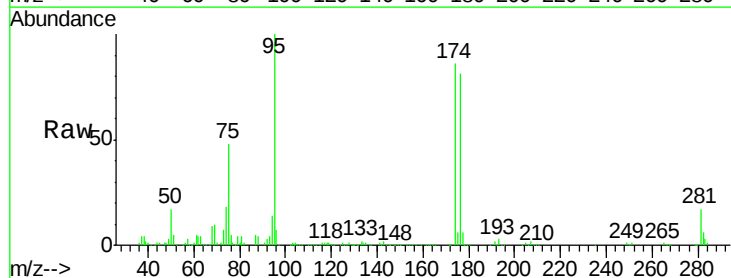
Manual Integrations
 APPROVED

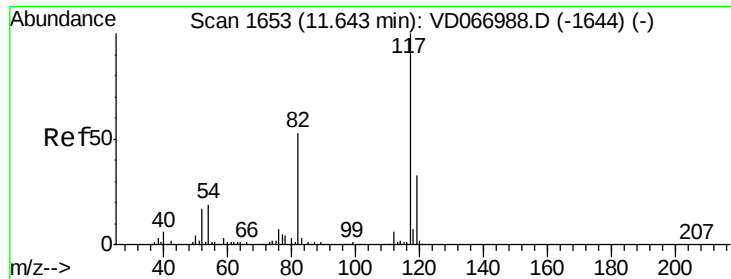
MMDadoda
 10/5/2020 5:34:37 PM



#62
 4-Bromofluorobenzene
 Concen: 52.786 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Tgt Ion: 95 Resp: 289775
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 167.6
 176 81.6 0.0 162.4





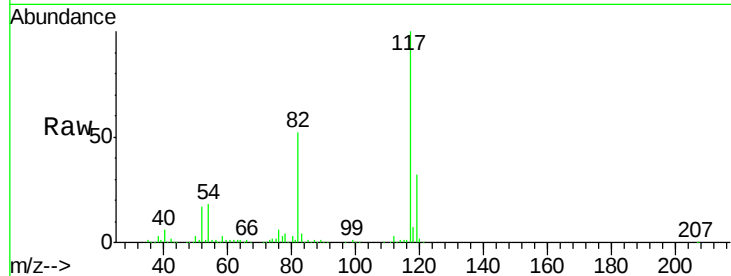
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.6	63.8
119	31.7	26.3	39.5

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:37 PM

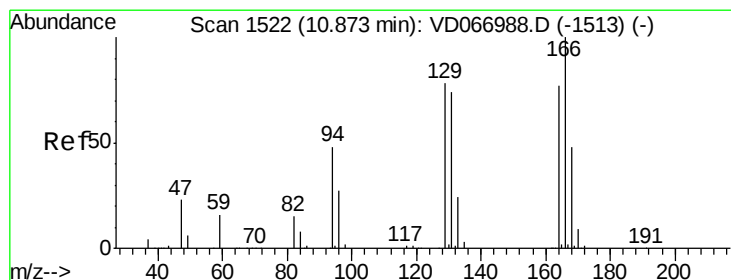
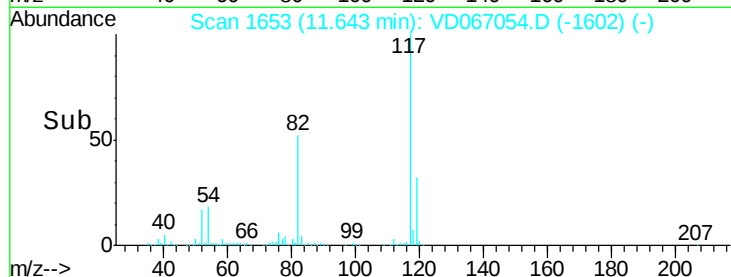
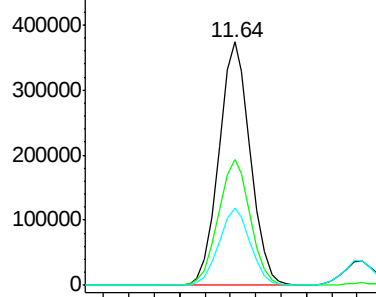


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.533 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.2	104.4	156.6
129	92.1	81.3	121.9
131	95.6	77.1	115.7

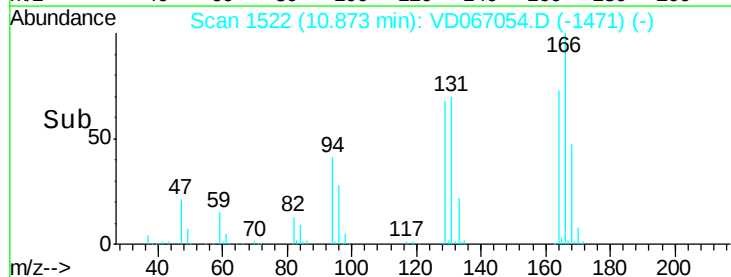
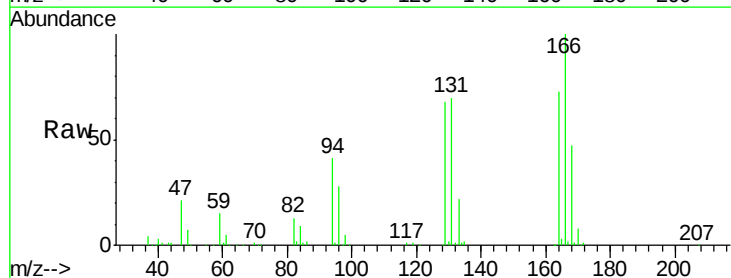
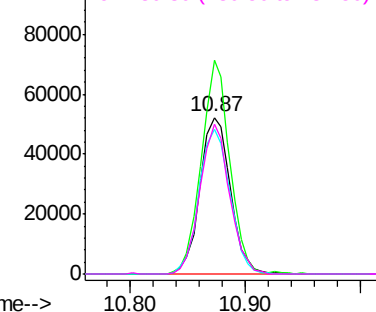
Abundance

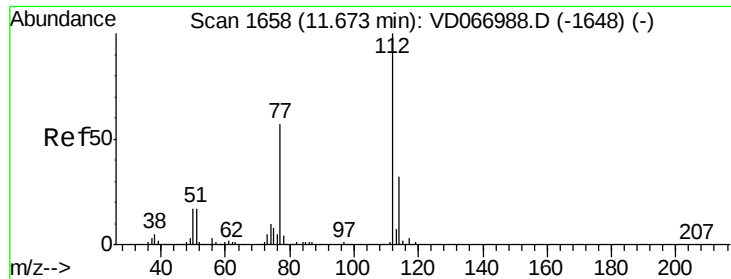
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





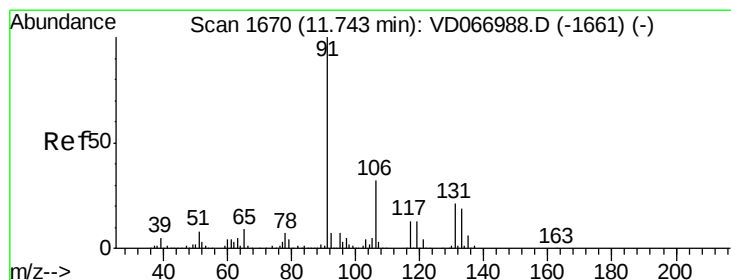
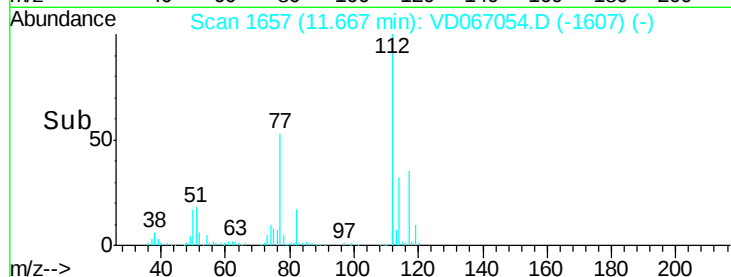
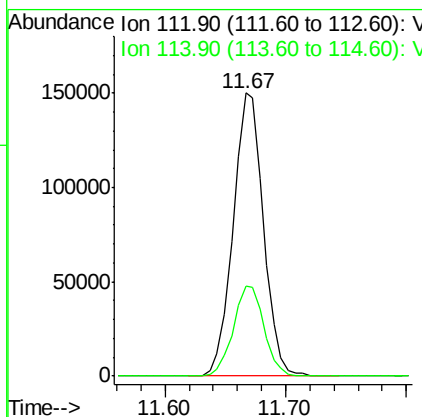
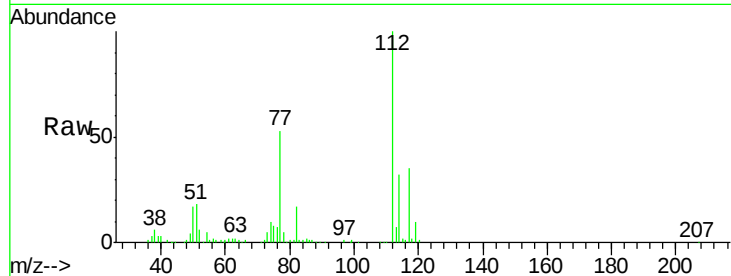
#65
Chlorobenzene
Concen: 20.500 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD02

Tot Ion:112 Resp: 261524
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0

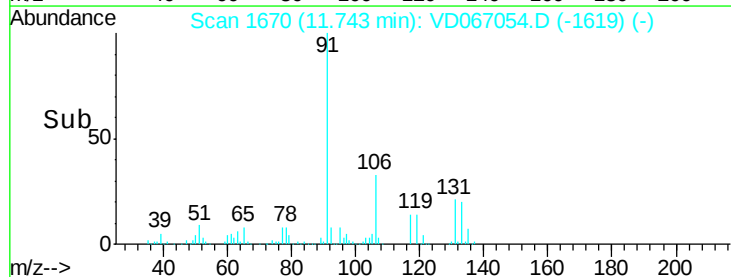
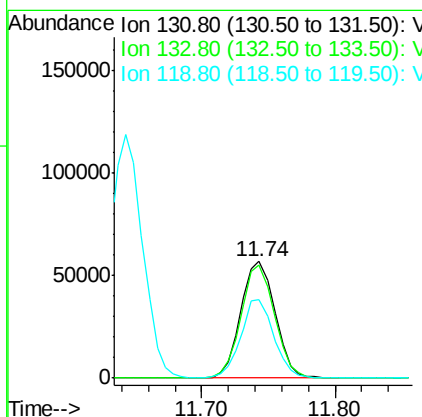
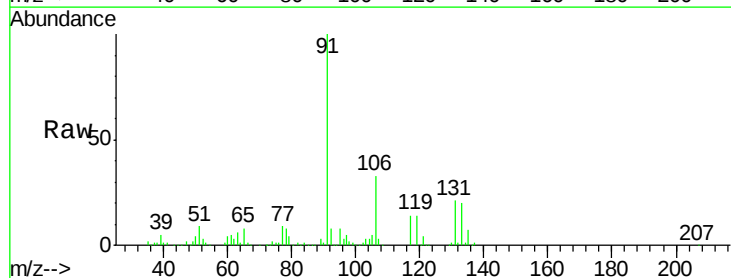
Manual Integrations
APPROVED

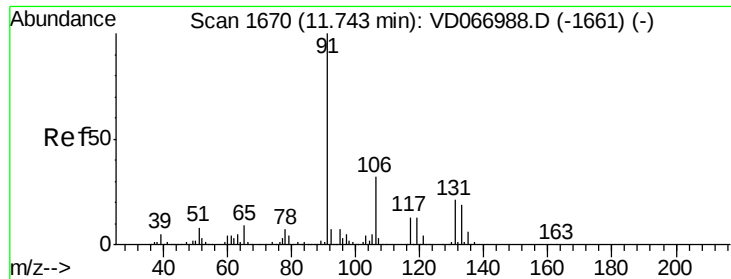
MMDadoda
10/5/2020 5:34:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.852 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion:131 Resp: 101188
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 65.0 32.3 96.8





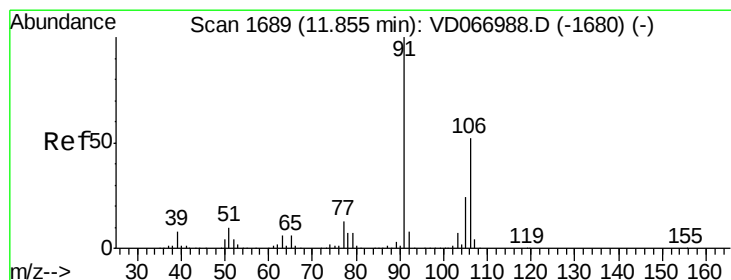
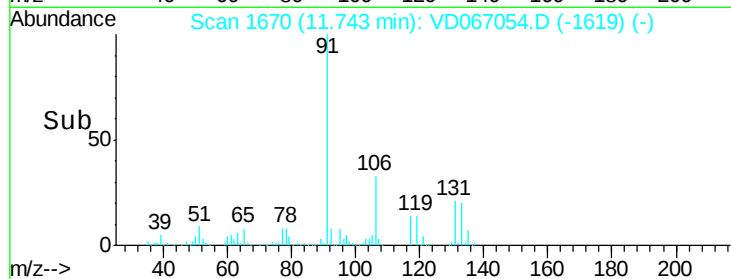
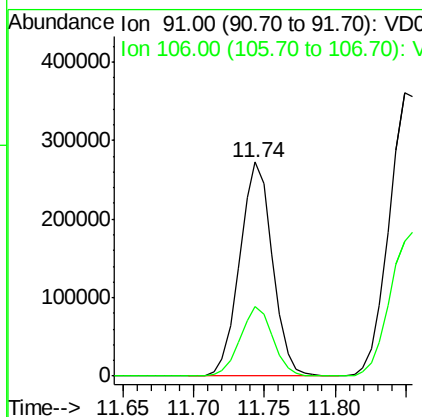
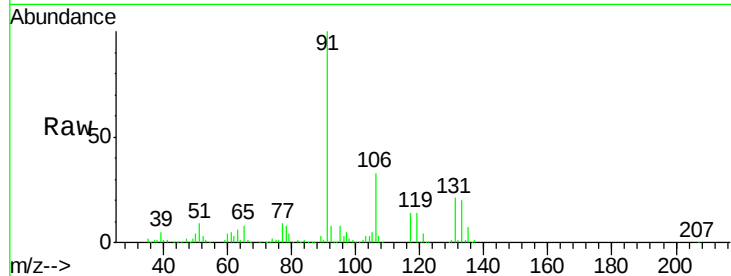
#67
Ethyl Benzene
Concen: 20.267 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion: 91 Resp: 443002
Ion Ratio Lower Upper
91 100
106 32.7 25.4 38.2

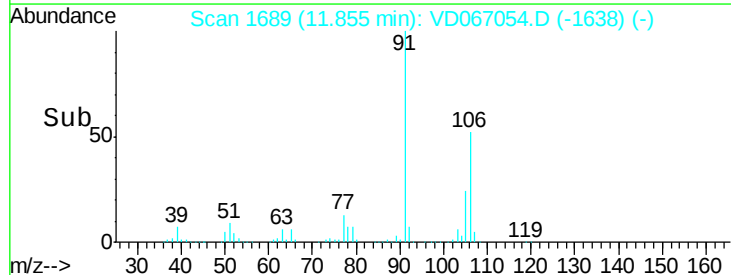
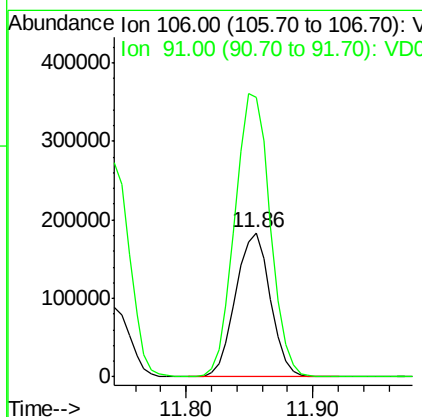
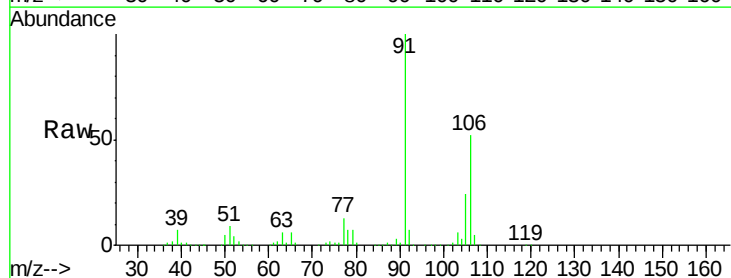
Manual Integrations
APPROVED

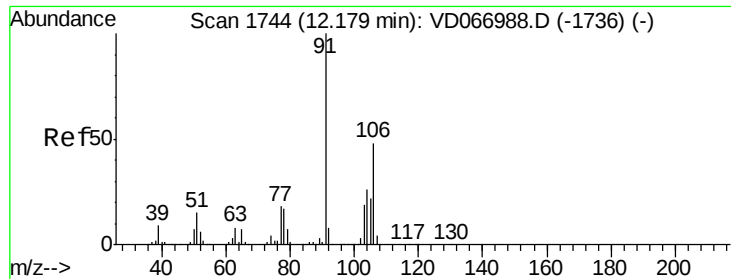
MMDadoda
10/5/2020 5:34:37 PM



#68
m/p-Xylenes
Concen: 40.877 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion: 106 Resp: 348206
Ion Ratio Lower Upper
106 100
91 200.7 158.4 237.6





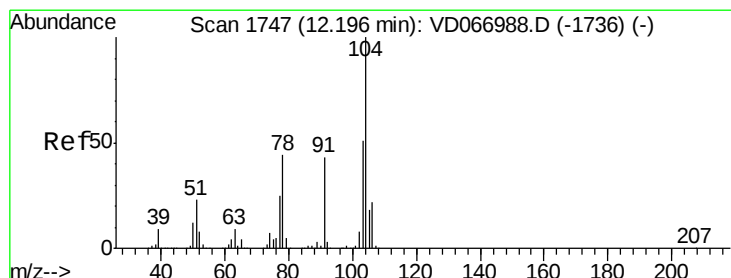
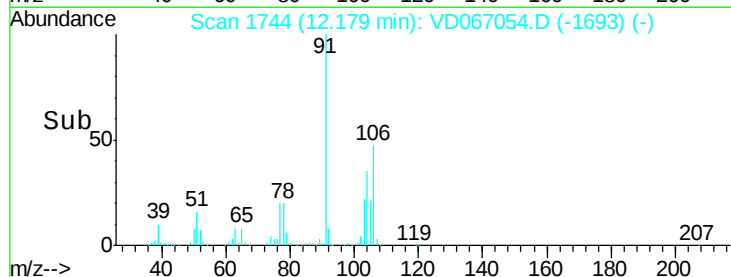
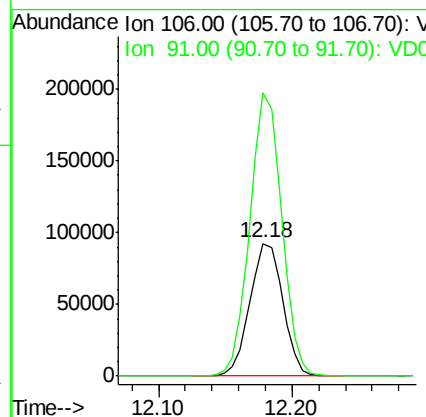
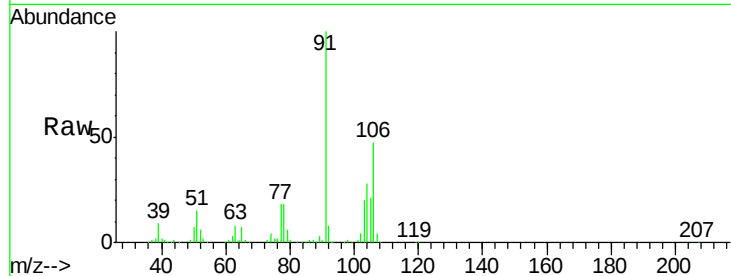
#69
o-Xylene
Concen: 20.677 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD02

Tot Ion:106 Resp: 157512
Ion Ratio Lower Upper
106 100
91 206.7 102.4 307.2

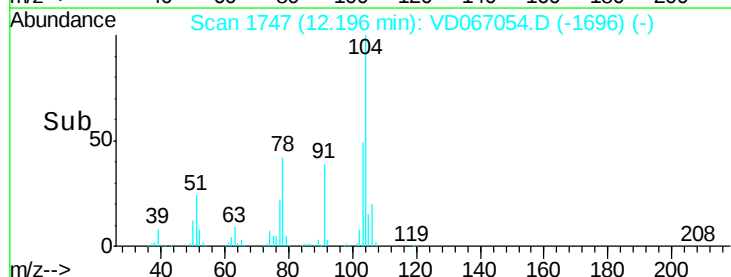
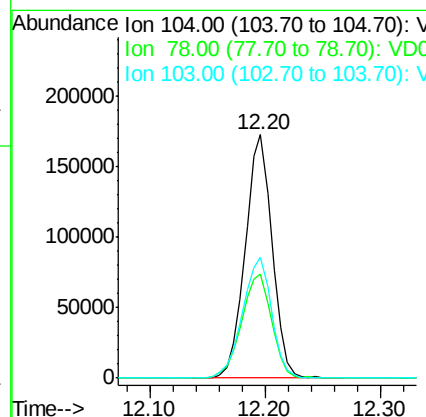
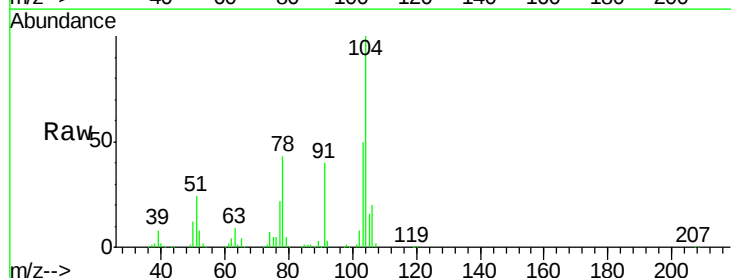
Manual Integrations
APPROVED

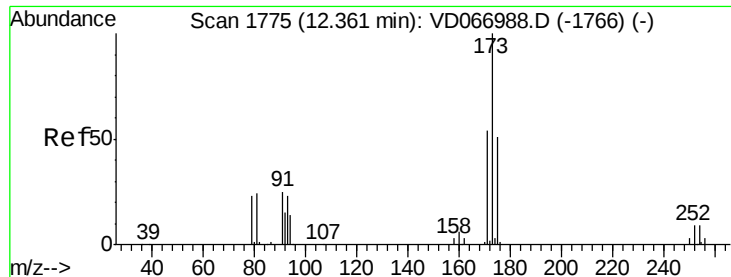
MMDadoda
10/5/2020 5:34:37 PM



#70
Styrene
Concen: 21.276 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion:104 Resp: 278308
Ion Ratio Lower Upper
104 100
78 47.6 38.6 58.0
103 53.9 43.4 65.0





#71

Bromoform

Concen: 21.877 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD02

Tot Ion:173 Resp: 55107

Ion Ratio Lower Upper

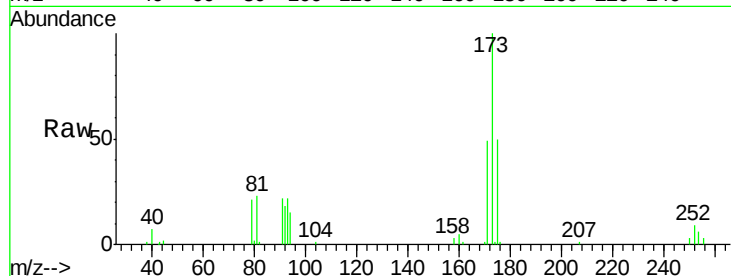
173 100

175 49.3 24.9 74.7

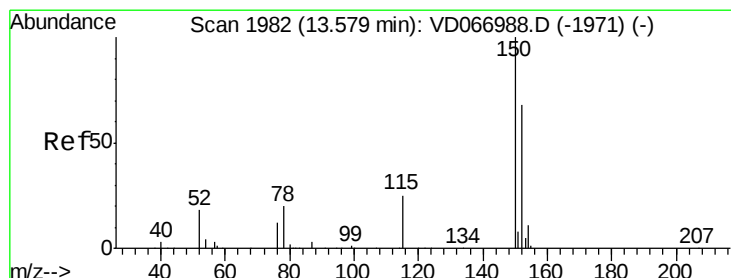
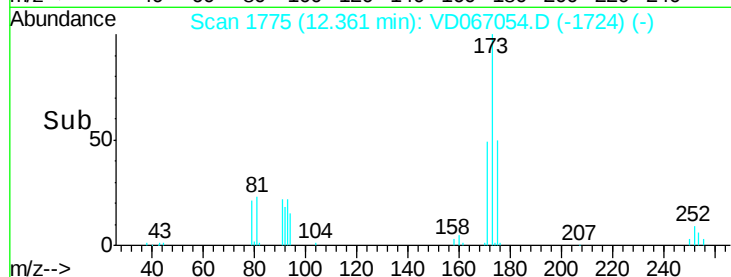
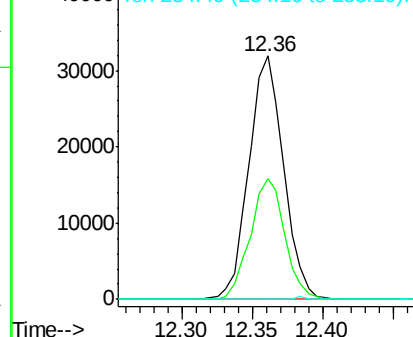
254 0.0 0.2 0.4#

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:37 PM



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: VD067054.D

Acq: 03 Oct 2020 01:05

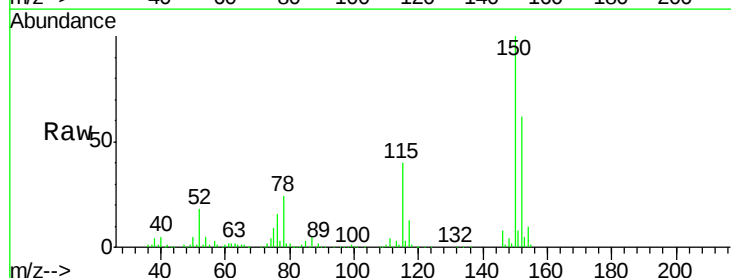
Tgt Ion:152 Resp: 306892

Ion Ratio Lower Upper

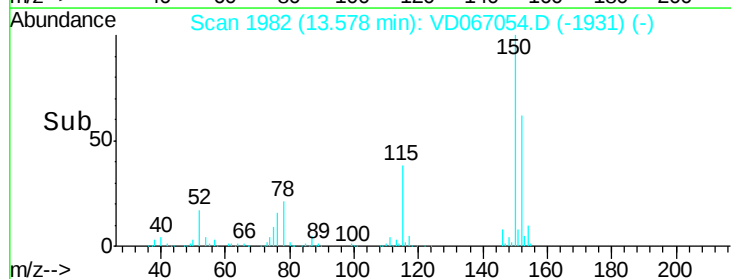
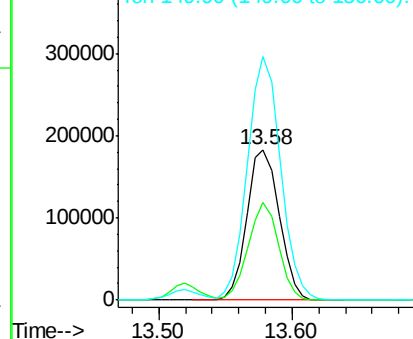
152 100

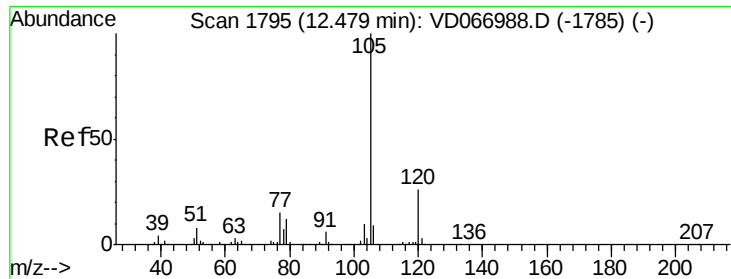
115 61.0 29.6 88.8

150 165.9 0.0 344.8



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





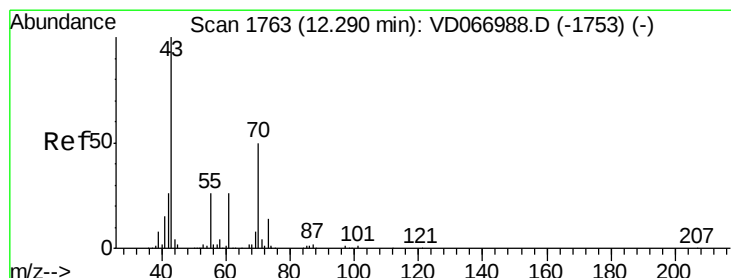
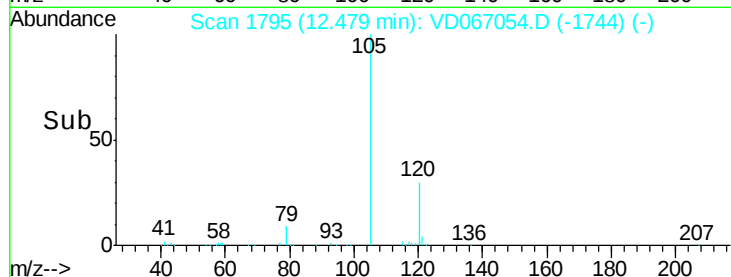
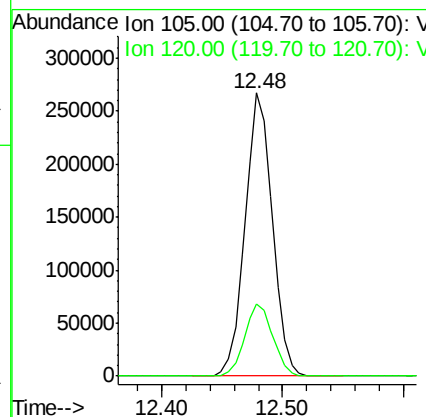
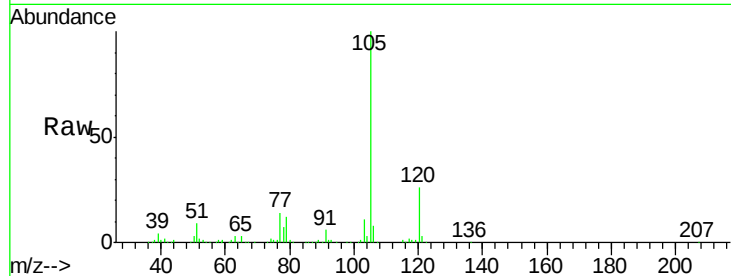
#73
Isopropylbenzene
Concen: 20.225 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.9

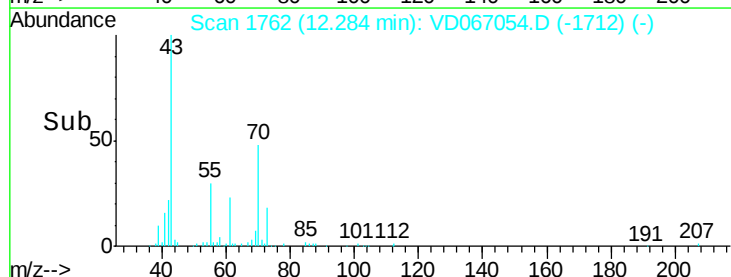
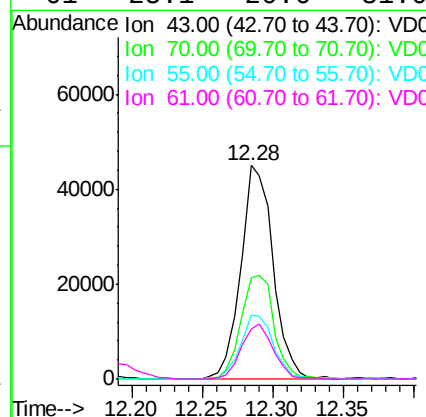
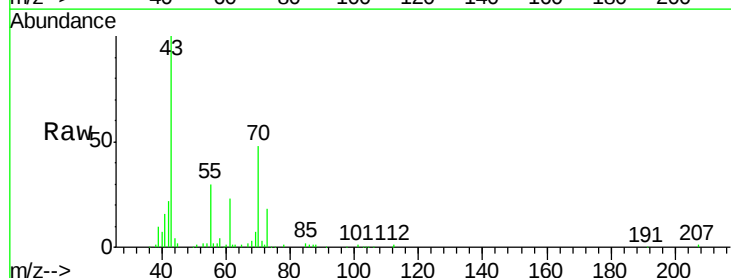
Manual Integrations
APPROVED

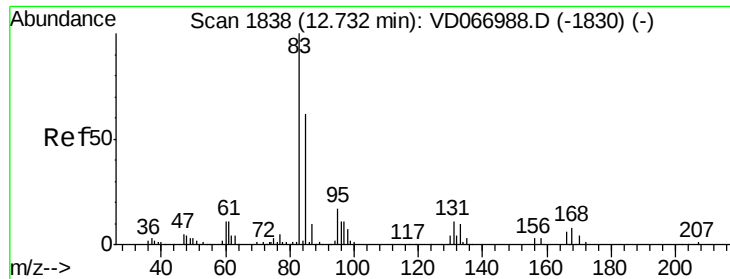
MMDadoda
10/5/2020 5:34:37 PM



#74
N-ethyl acetate
Concen: 19.203 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.9	38.2	57.2
55	30.5	22.4	33.6
61	25.1	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.536 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

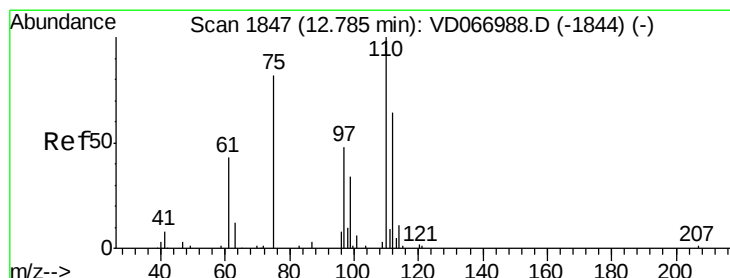
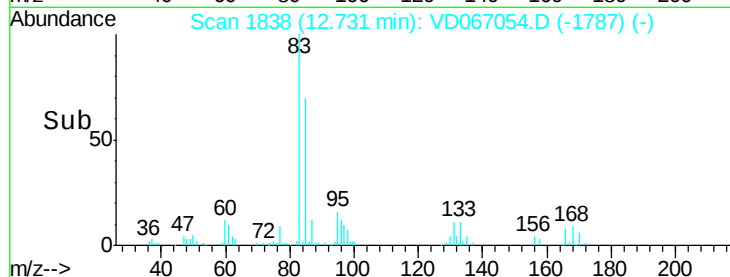
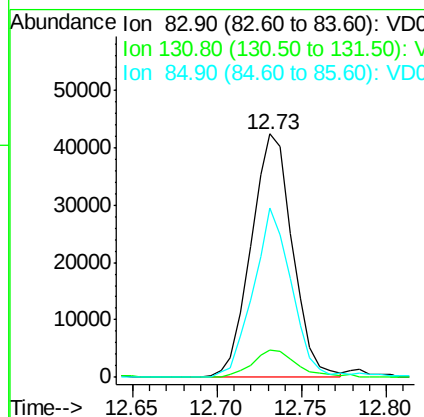
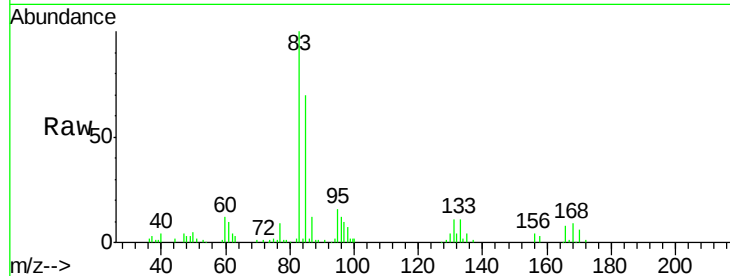
ClientSampleId :

VD1002SBSD02

Tot Ion:	83	Resp:	72103
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.7	17.0
85	64.3	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:37 PM



#76

1,2,3-Trichloropropane

Concen: 17.678 ug/l m

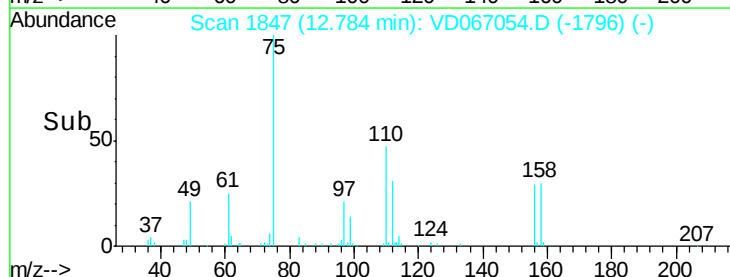
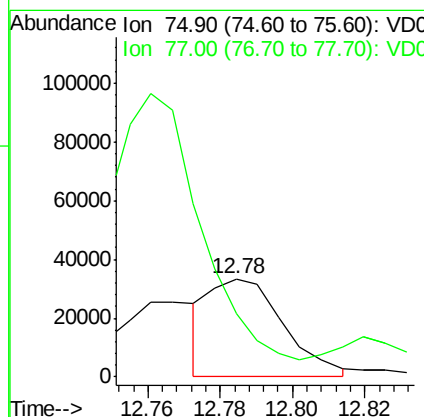
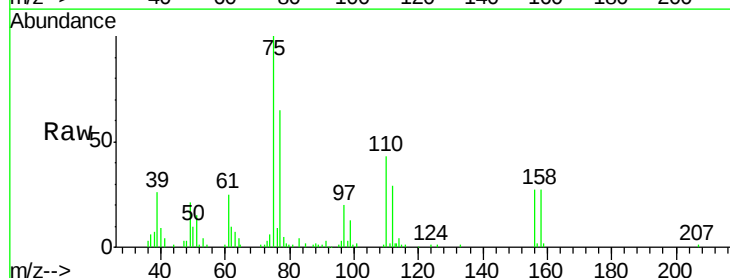
RT: 12.78 min Scan# 1847

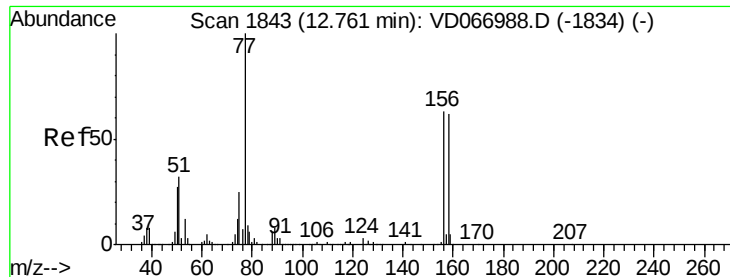
Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Tgt Ion:	75	Resp:	47256
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





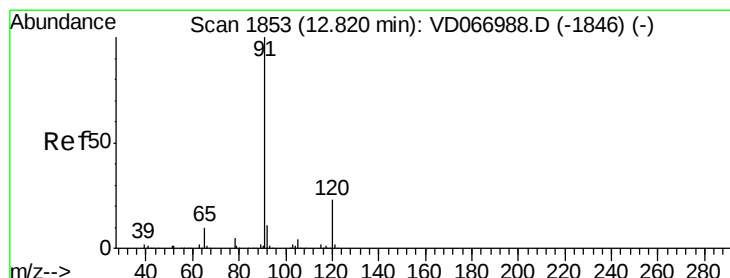
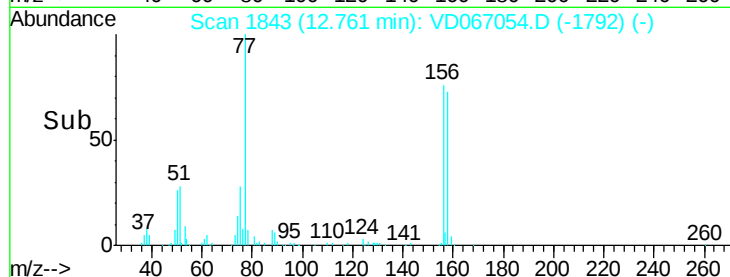
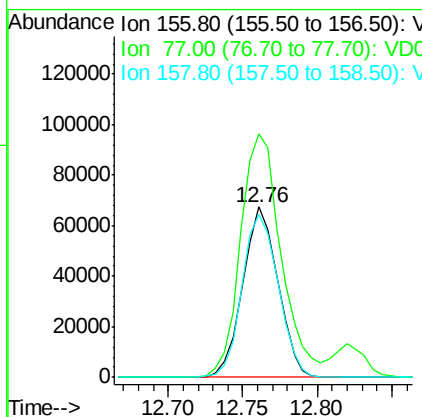
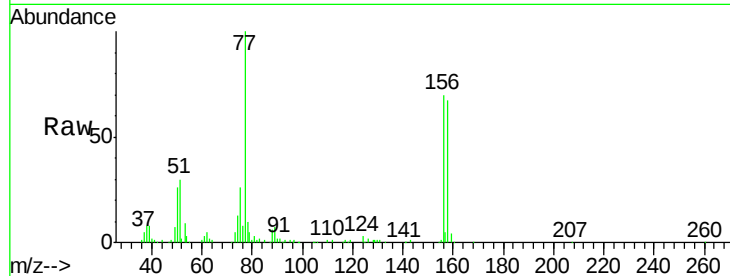
#77
Bromobenzene
Concen: 21.860 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.4	86.3	258.8
158	98.8	49.5	148.3

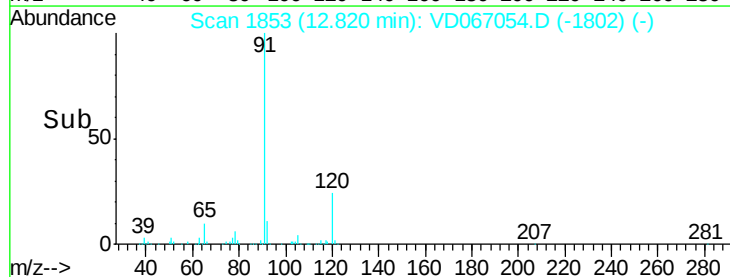
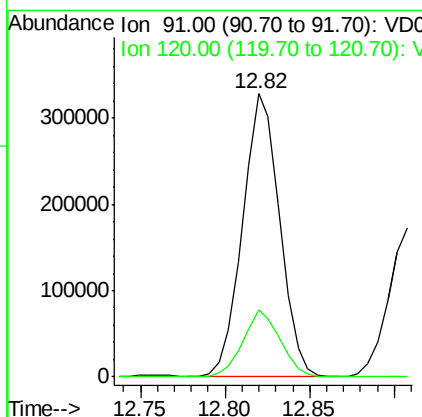
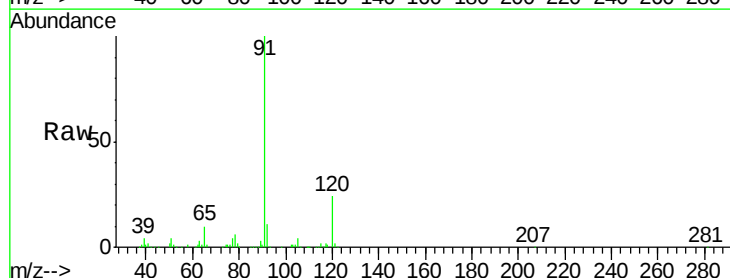
Manual Integrations
APPROVED

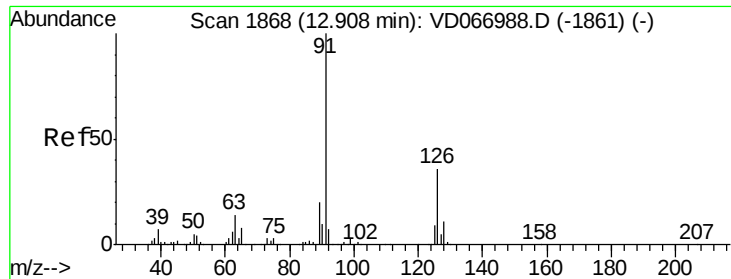
MMDadoda
10/5/2020 5:34:37 PM



#78
n-propylbenzene
Concen: 20.334 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.6	34.8





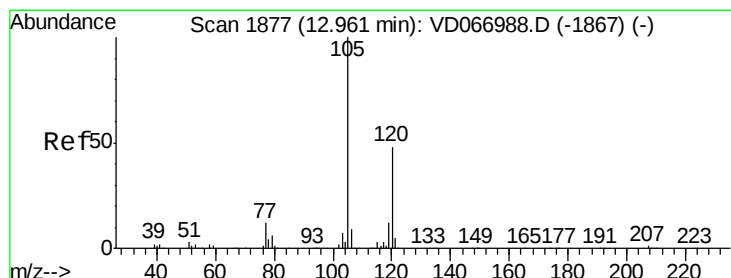
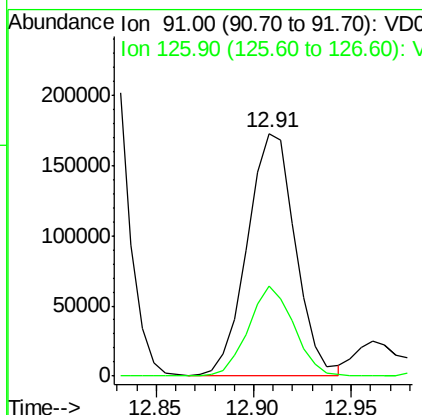
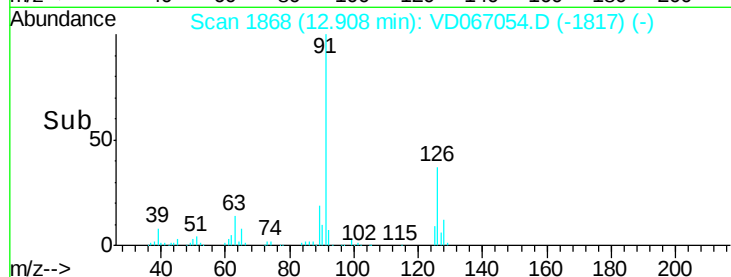
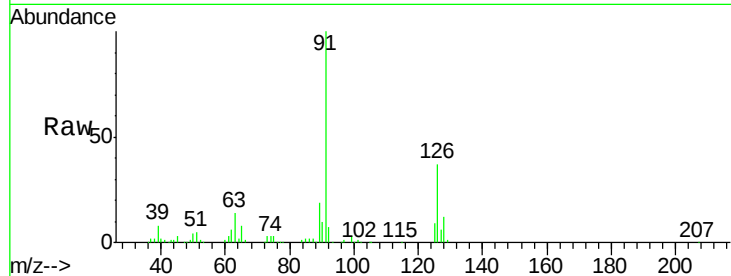
#79
2-Chlorotoluene
Concen: 20.882 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion: 91 Resp: 294242
Ion Ratio Lower Upper
91 100
126 35.0 17.5 52.6

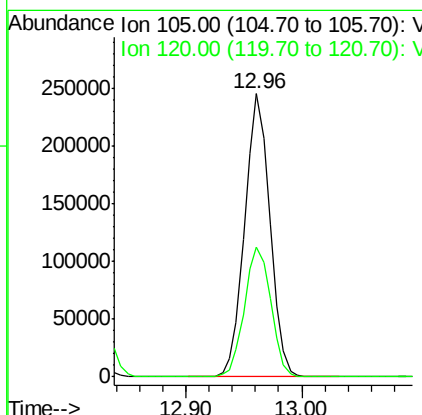
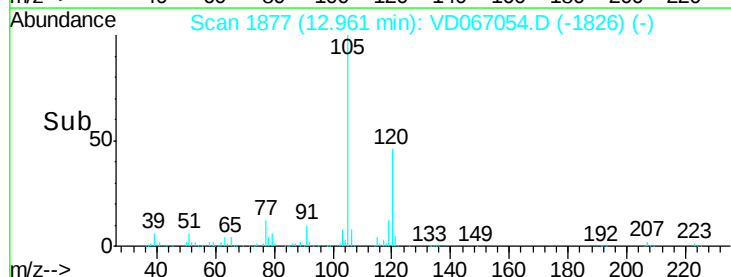
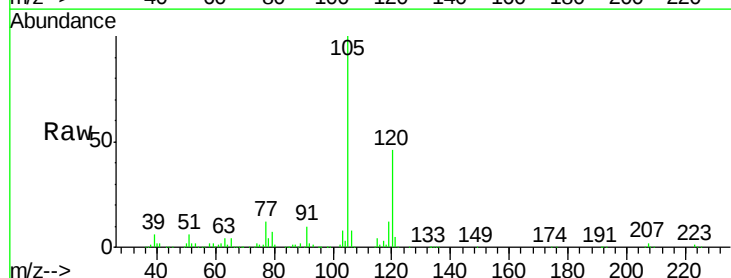
Manual Integrations
APPROVED

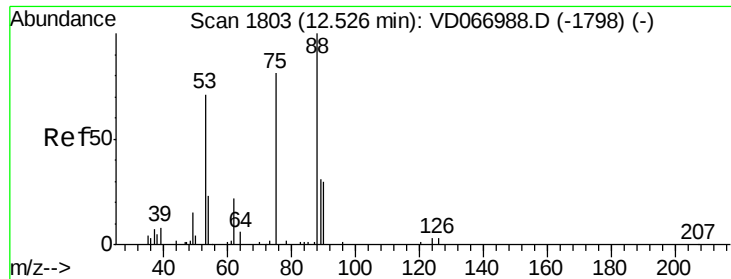
MMDadoda
10/5/2020 5:34:37 PM



#80
1,3,5-Trimethylbenzene
Concen: 21.236 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion: 105 Resp: 373888
Ion Ratio Lower Upper
105 100
120 48.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.117 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Instrument :

MSVOA_D

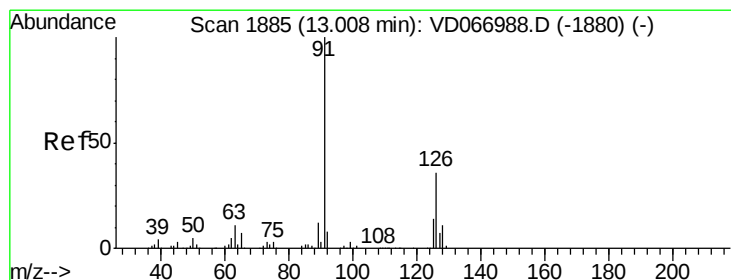
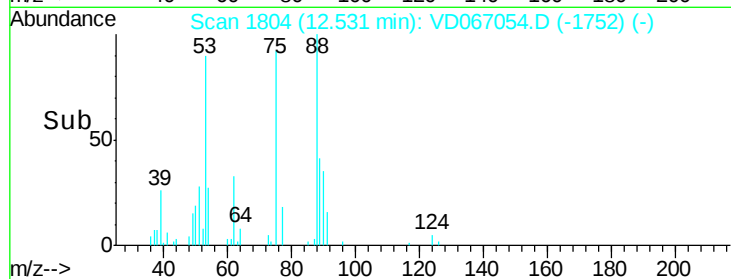
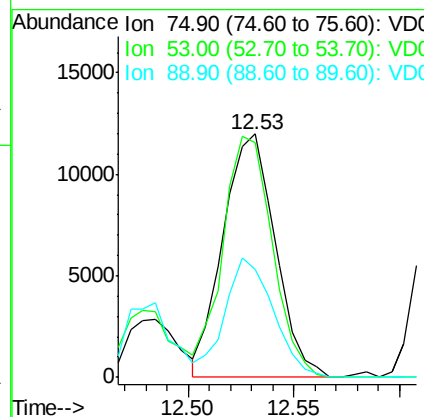
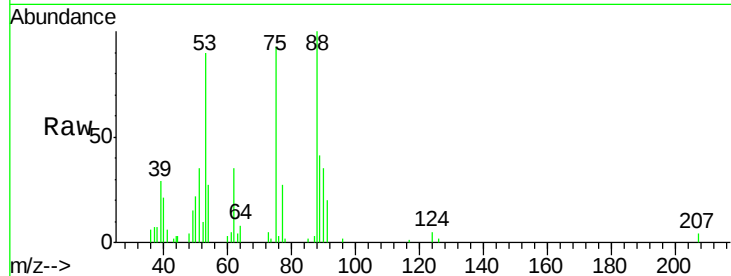
ClientSampleId :

VD1002SBS02

Tot Ion:	75	Resp:	20497
Ion Ratio	Lower	Upper	
75	100		
53	94.1	73.8	110.6
89	45.7	38.9	58.3

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:37 PM



#82

4-Chlorotoluene

Concen: 20.586 ug/l

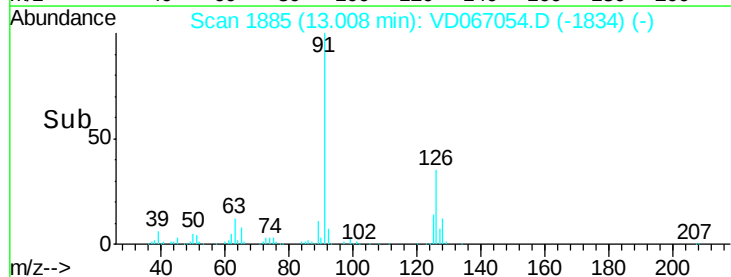
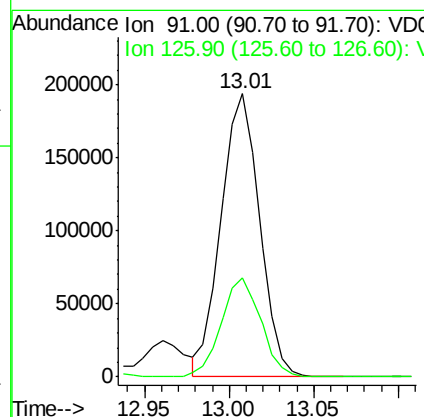
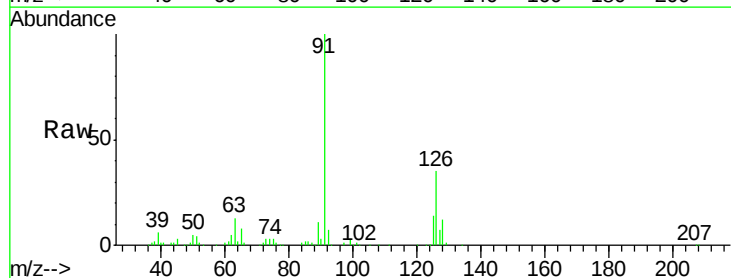
RT: 13.01 min Scan# 1885

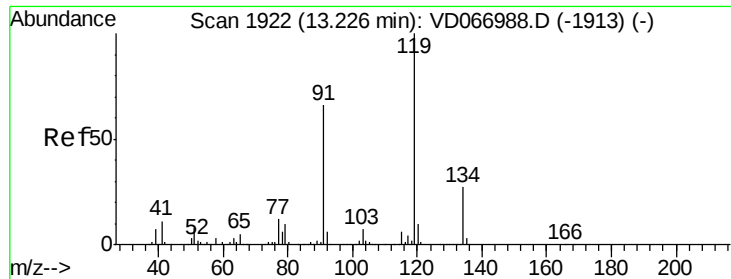
Delta R.T. -0.00 min

Lab File: VD067054.D

Acq: 03 Oct 2020 01:05

Tgt Ion:	91	Resp:	308611
Ion Ratio	Lower	Upper	
91	100		
126	35.8	17.5	52.5





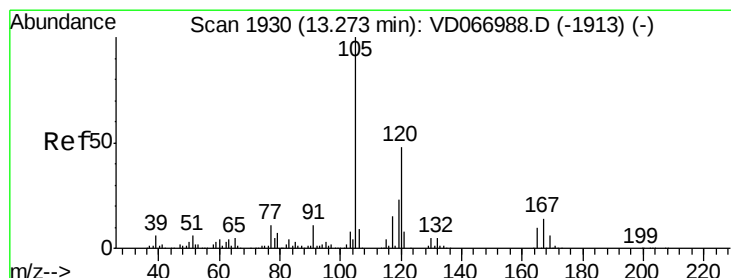
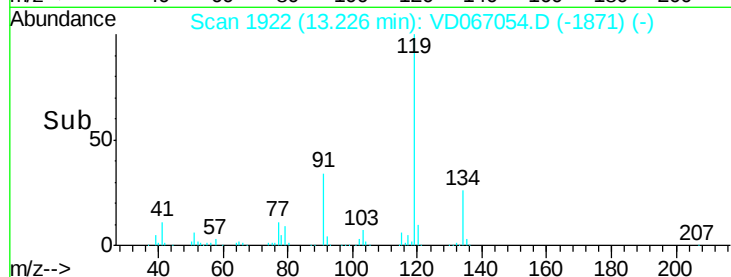
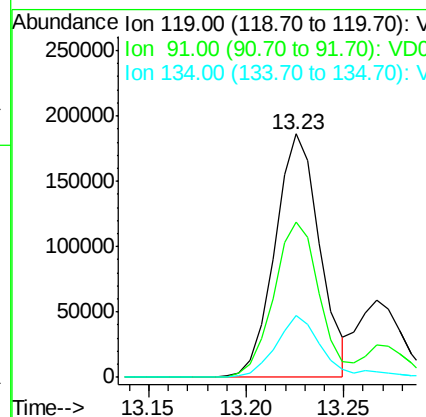
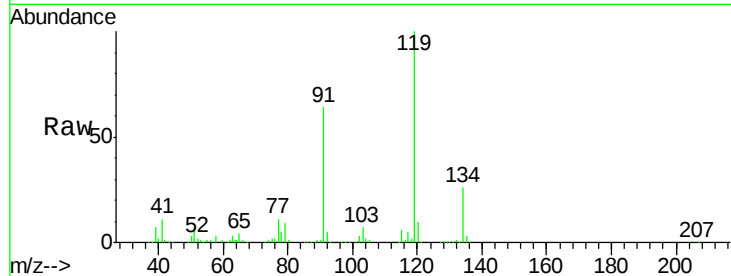
#83
tert-Butylbenzene
Concen: 19.982 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	296248		
91	65.4		32.8	98.3
134	27.1		13.9	41.7

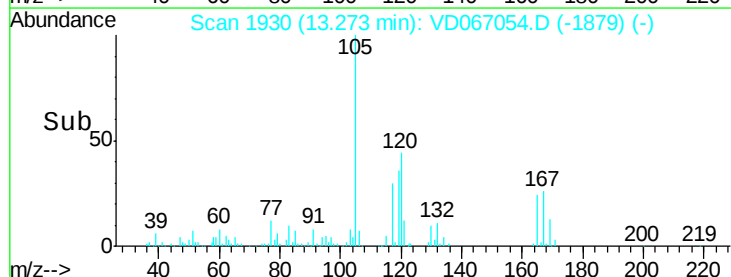
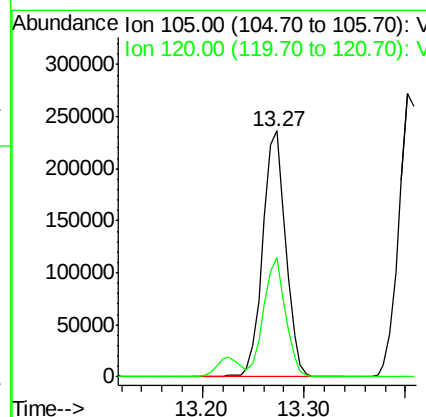
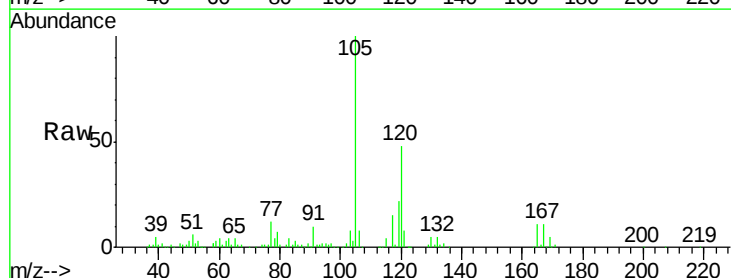
Manual Integrations
APPROVED

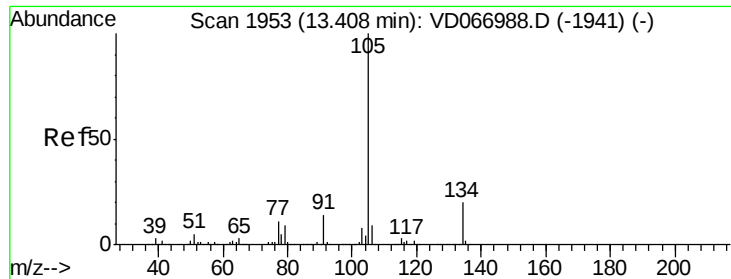
MMDadoda
10/5/2020 5:34:37 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.191 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	372326		
120	46.0		23.3	69.8





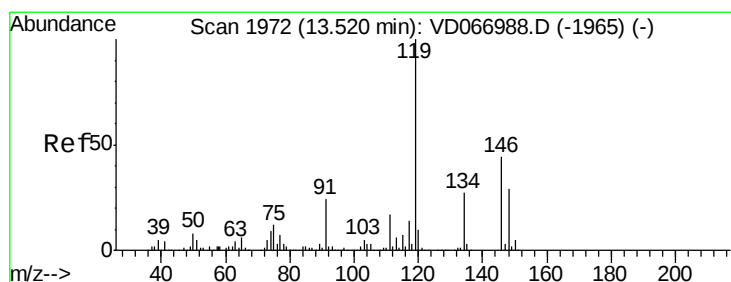
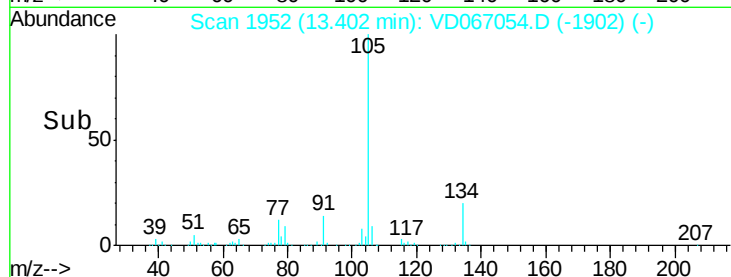
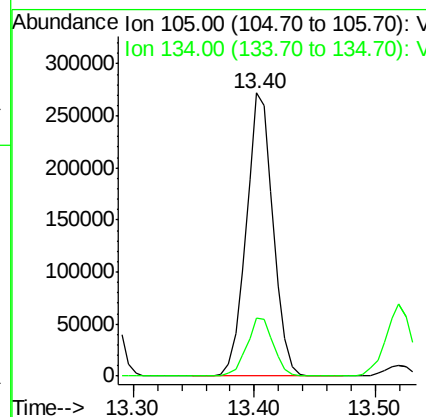
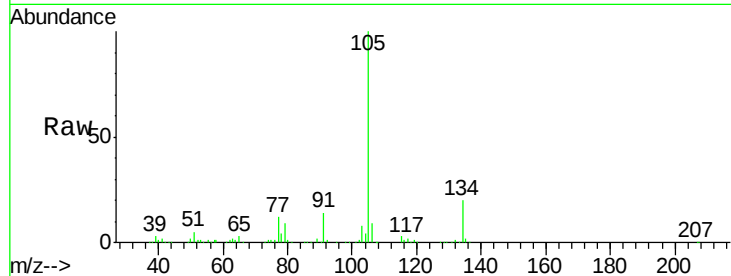
#85
 sec-Butylbenzene
 Concen: 20.062 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.3	30.8

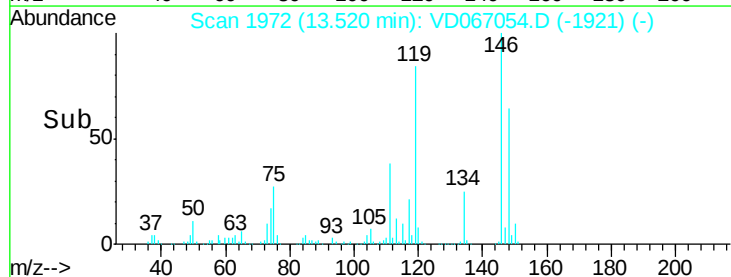
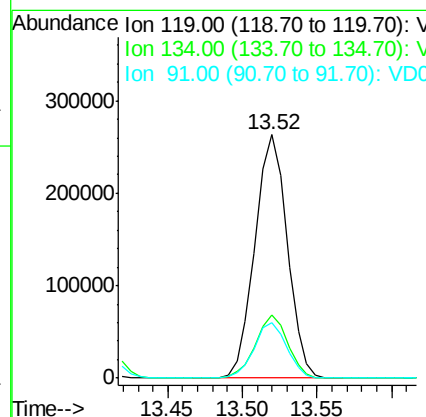
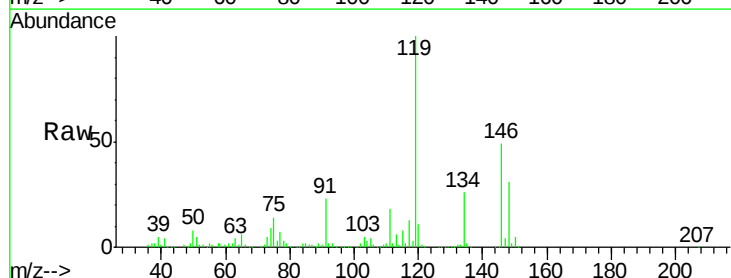
Manual Integrations
 APPROVED

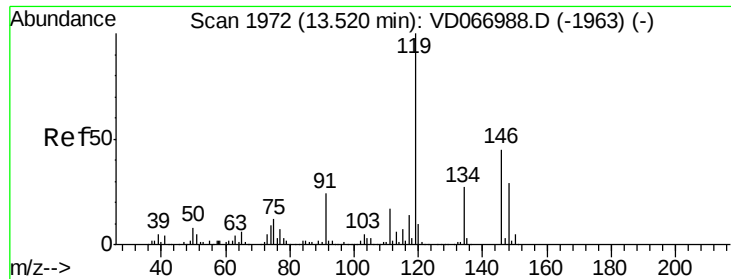
MMDadoda
 10/5/2020 5:34:37 PM



#86
 p-Isopropyltoluene
 Concen: 20.374 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	23.0	11.7	35.1





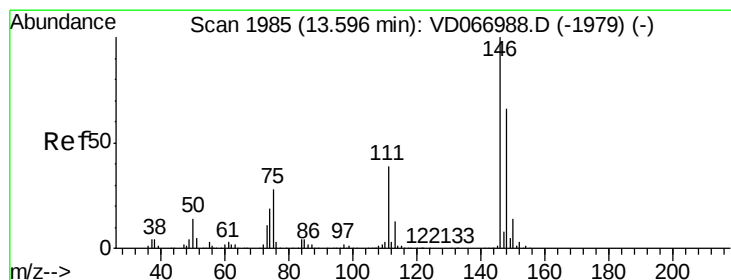
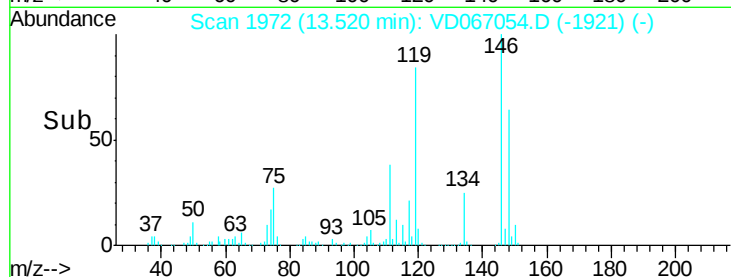
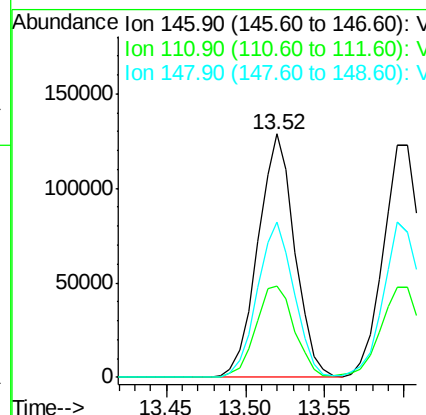
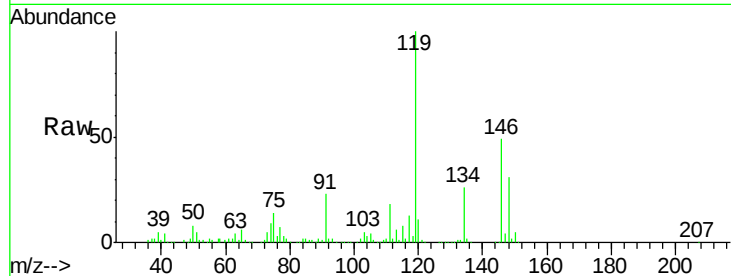
#87
 1,3-Dichlorobenzene
 Concen: 21.186 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	207639		
111	39.5		20.0	60.0
148	63.8		31.9	95.9

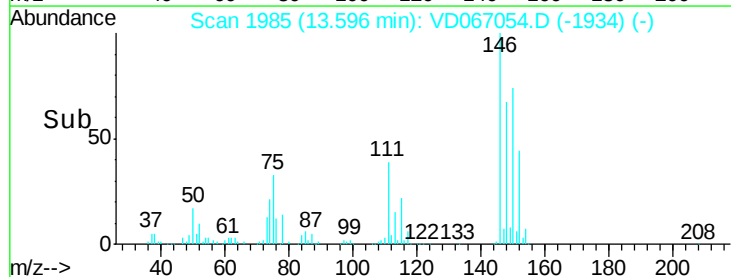
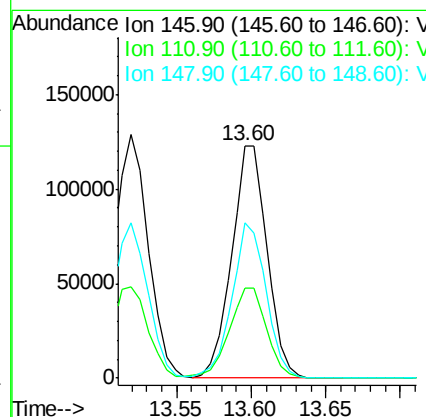
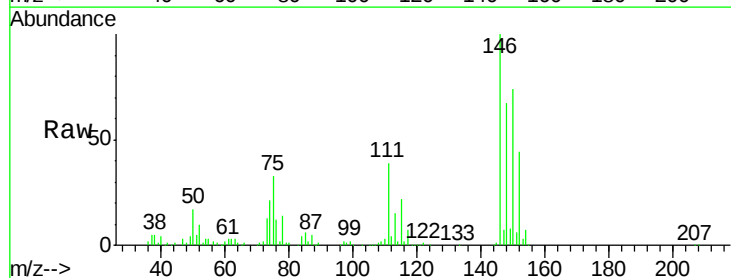
Manual Integrations
 APPROVED

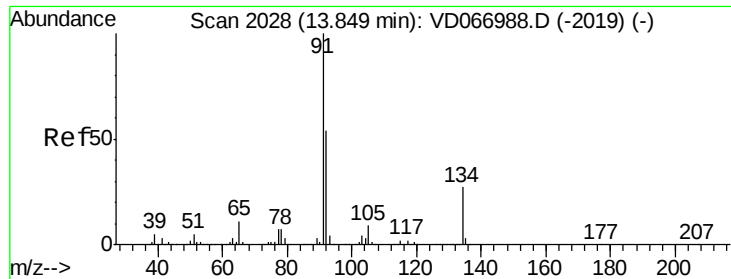
MMDadoda
 10/5/2020 5:34:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.748 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	203329		
111	40.9		19.6	58.7
148	64.7		32.6	97.7





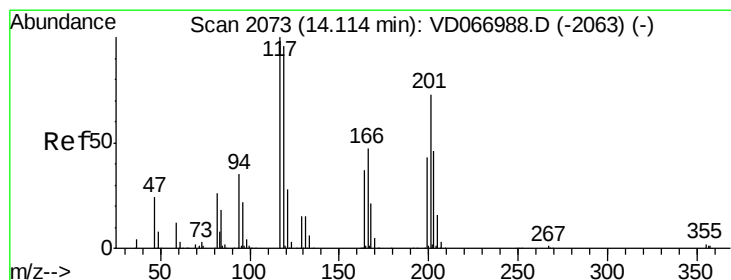
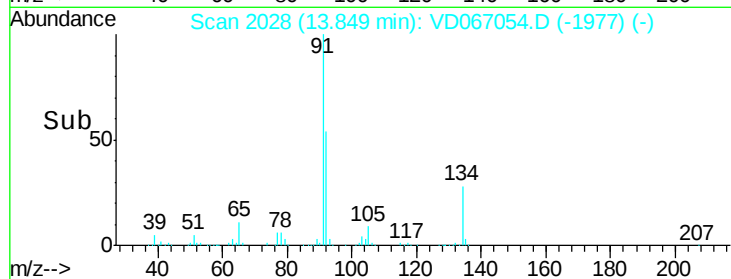
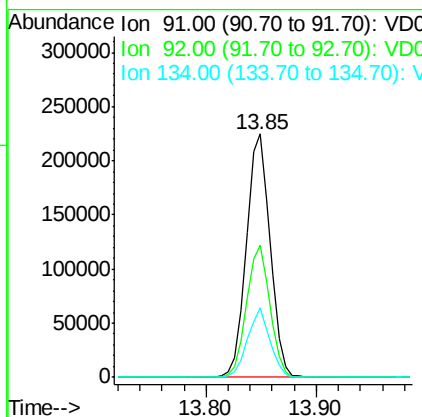
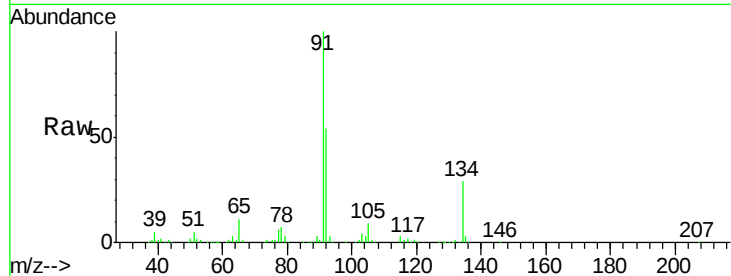
#89
n-Butylbenzene
Concen: 19.208 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.1	81.2
134	26.7	13.6	40.8

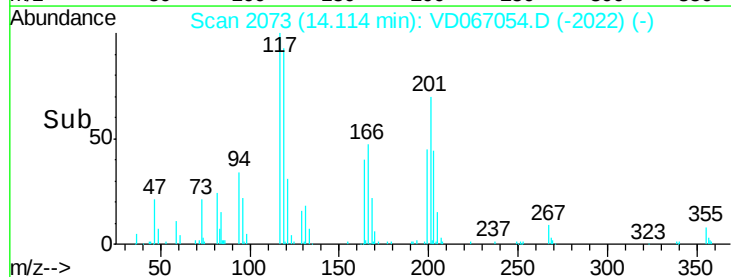
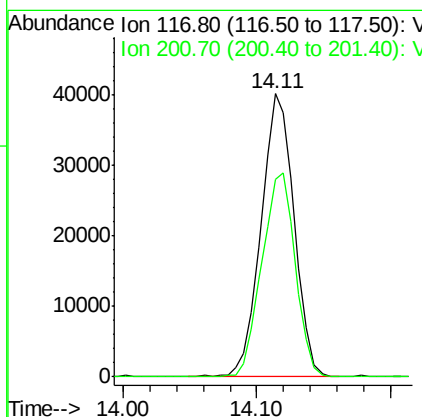
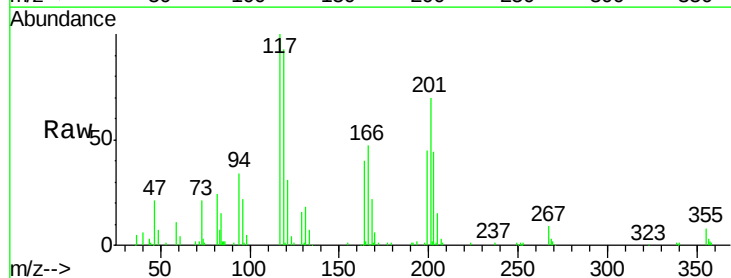
Manual Integrations
APPROVED

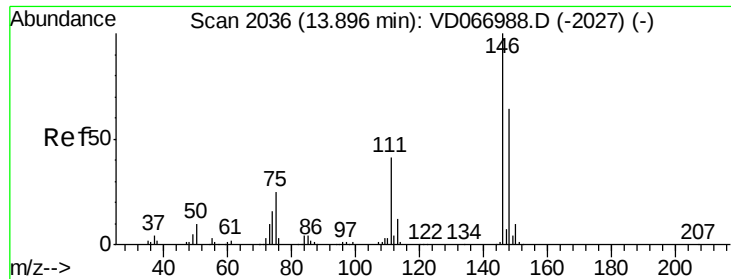
MMDadoda
10/5/2020 5:34:37 PM



#90
Hexachloroethane
Concen: 20.235 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	37.0	110.9





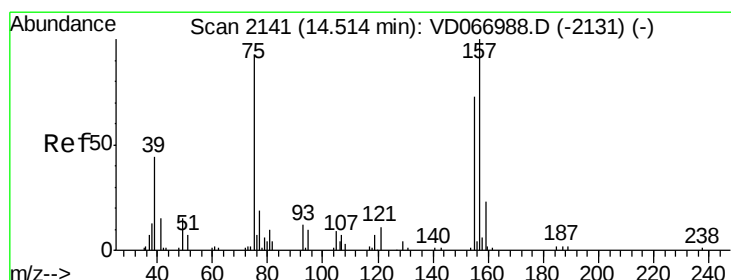
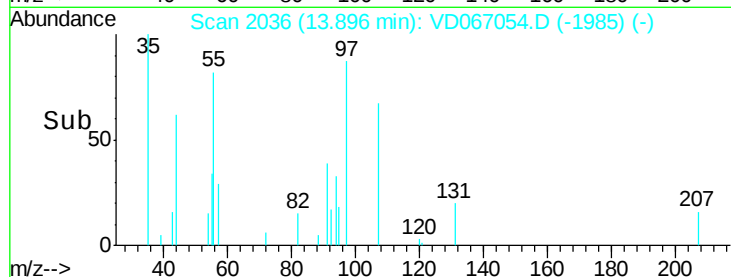
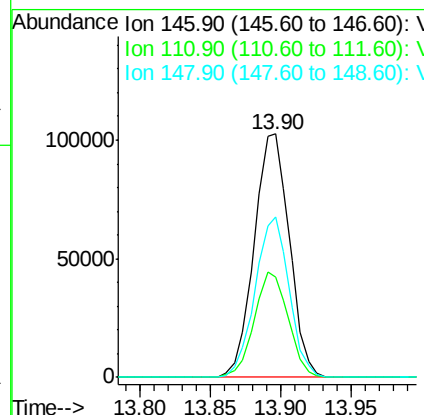
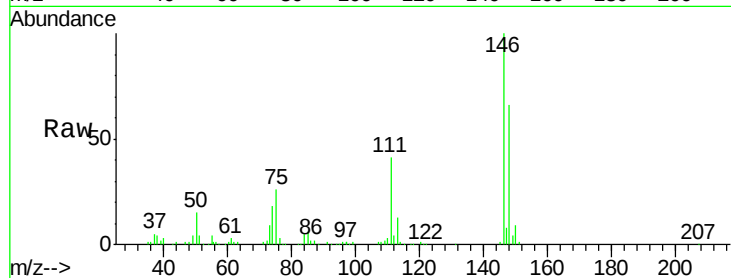
#91
 1,2-Dichlorobenzene
 Concen: 21.058 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	180247		
111	41.7	20.9	62.7	
148	63.5	32.3	96.9	

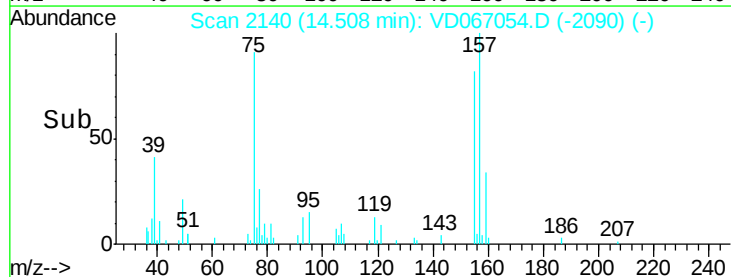
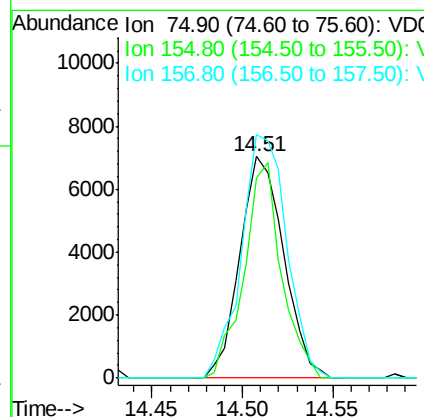
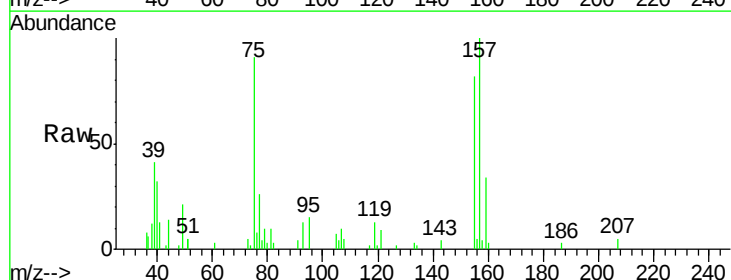
Manual Integrations
 APPROVED

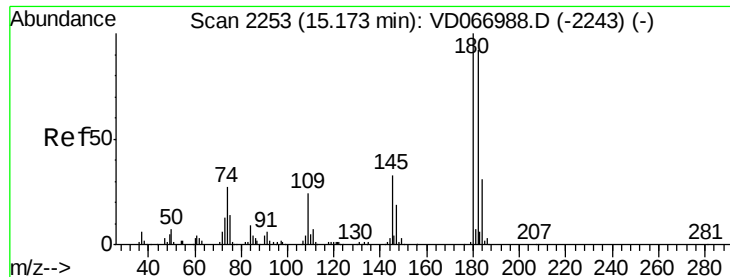
MMDadoda
 10/5/2020 5:34:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.007 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11889		
155	82.5	45.2	135.6	
157	113.5	56.3	168.8	





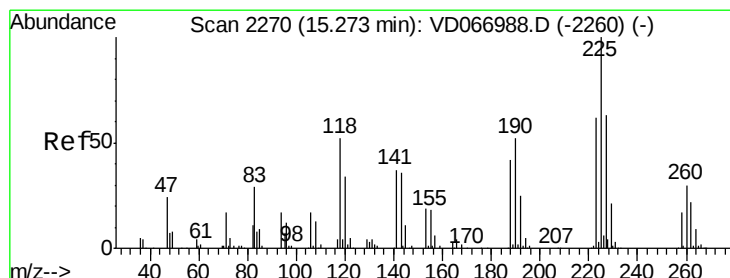
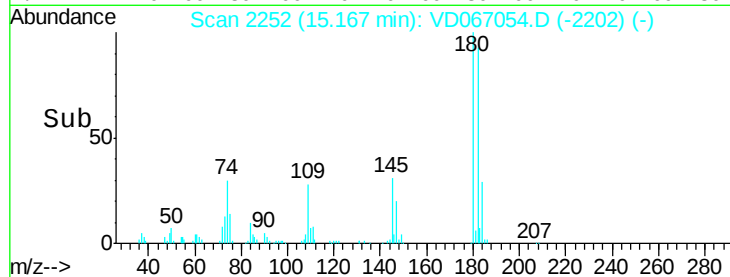
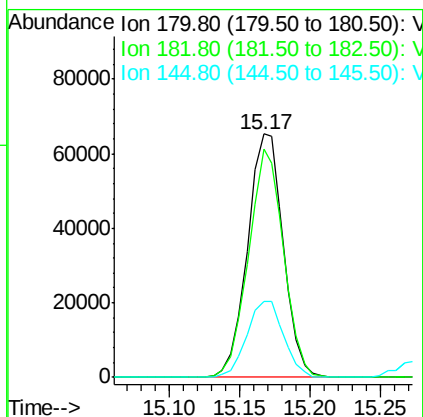
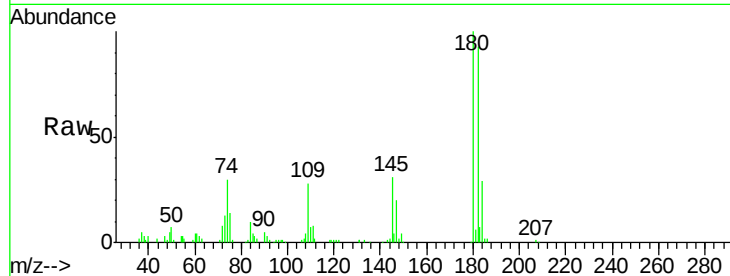
#93
 1,2,4-Trichlorobenzene
 Concen: 20.919 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115821		
182	91.9	47.3	142.0	
145	32.2	16.4	49.1	

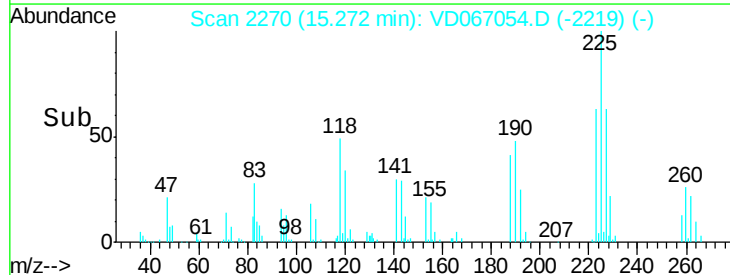
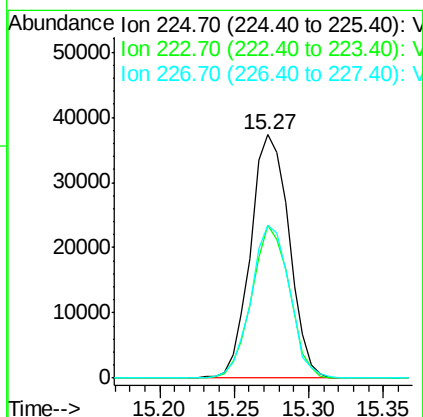
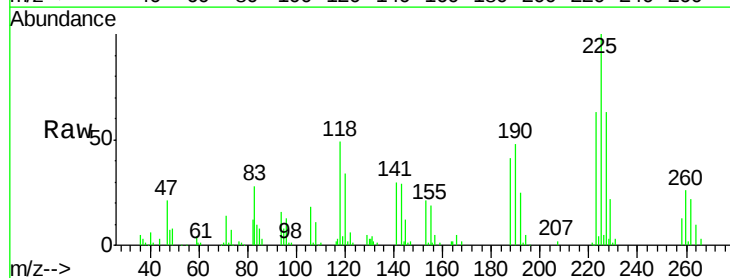
Manual Integrations
 APPROVED

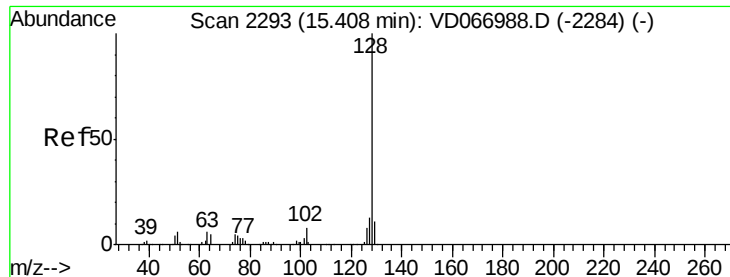
MMDadoda
 10/5/2020 5:34:37 PM



#94
 Hexachlorobutadiene
 Concen: 19.595 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067054.D
 Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66628		
223	61.3	32.4	97.0	
227	62.6	31.6	95.0	





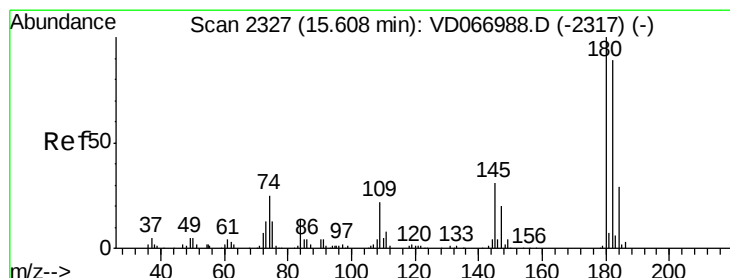
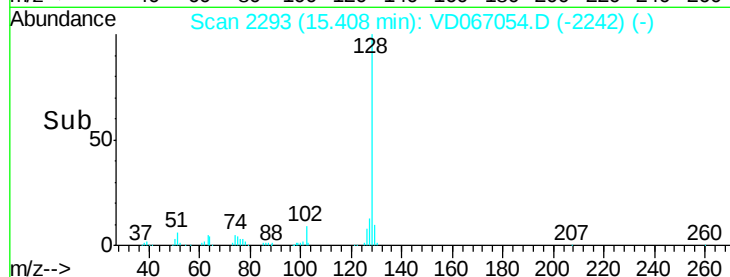
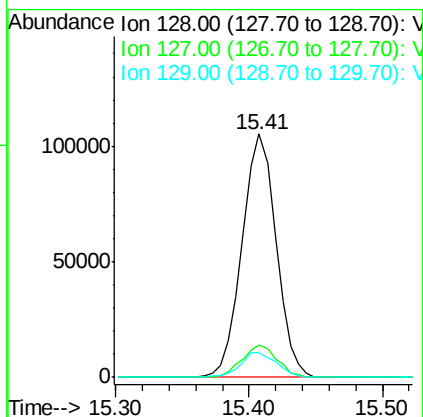
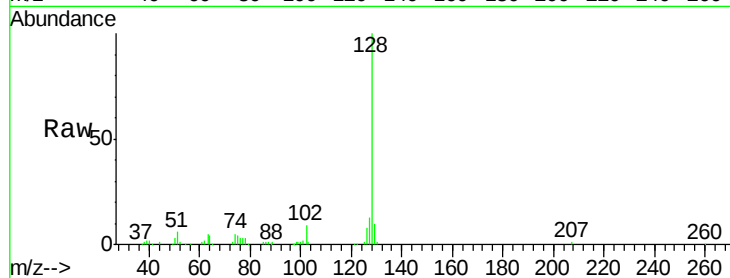
#95
Naphthalene
Concen: 20.149 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.707 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067054.D
Acq: 03 Oct 2020 01:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.4	139.1
145	33.8	16.6	49.7

