

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082620\
 Data File : VD066413.D
 Acq On : 26 Aug 2020 11:53
 Operator : VA/SY
 Sample : VD0826SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/27/2020 3:08:31 PM

Quant Time: Aug 27 08:47:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	186547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	259627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	241077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	126935	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	108484	59.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.64%	
35) Dibromofluoromethane	7.91	113	91249	56.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.42%	
50) Toluene-d8	10.34	98	339407	57.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.28%	
62) 4-Bromofluorobenzene	12.63	95	122131	57.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	34461	21.729	ug/l	97
3) Chloromethane	2.21	50	20722	18.433	ug/l	90
4) Vinyl Chloride	2.35	62	24508	20.305	ug/l	94
5) Bromomethane	2.76	94	20703	22.932	ug/l	99
6) Chloroethane	2.92	64	14821	19.177	ug/l	93
7) Trichlorofluoromethane	3.27	101	72374	22.051	ug/l	93
8) Diethyl Ether	3.70	74	14161	19.257	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	31839	19.657	ug/l	91
10) Methyl Iodide	4.30	142	25792	13.961	ug/l	96
11) Tert butyl alcohol	5.20	59	18520m	161.029	ug/l	
12) 1,1-Dichloroethene	4.06	96	28953	19.043	ug/l	98
13) Acrolein	3.92	56	6200	76.341	ug/l	93
14) Allyl chloride	4.70	41	35679	17.581	ug/l	88
15) Acrylonitrile	5.42	53	29201	98.970	ug/l	97
16) Acetone	4.16	43	30452	92.357	ug/l	96
17) Carbon Disulfide	4.41	76	82183	17.836	ug/l	97
18) Methyl Acetate	4.73	43	10731	17.341	ug/l #	88
19) Methyl tert-butyl Ether	5.47	73	74282	20.290	ug/l	100
20) Methylene Chloride	4.96	84	37978	17.430	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	32899	18.589	ug/l	95
22) Diisopropyl ether	6.37	45	75662	19.257	ug/l	93
23) Vinyl Acetate	6.30	43	230285	94.675	ug/l	94
24) 1,1-Dichloroethane	6.26	63	53209	19.163	ug/l	96
25) 2-Butanone	7.20	43	35357	94.458	ug/l	92
26) 2,2-Dichloropropane	7.20	77	63533	21.349	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	37183	19.607	ug/l	100
28) Bromochloromethane	7.54	49	17322	18.111	ug/l #	93
29) Tetrahydrofuran	7.56	42	19172	90.176	ug/l	94
30) Chloroform	7.70	83	62947	19.594	ug/l	97
31) Cyclohexane	7.98	56	46401	18.272	ug/l #	92
32) 1,1,1-Trichloroethane	7.90	97	69853	21.245	ug/l	99
36) 1,1-Dichloropropene	8.10	75	47198	19.924	ug/l	97
37) Ethyl Acetate	7.29	43	15811	19.624	ug/l #	93
38) Carbon Tetrachloride	8.09	117	70189	22.742	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082620\
 Data File : VD066413.D
 Acq On : 26 Aug 2020 11:53
 Operator : VA/SY
 Sample : VD0826SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/27/2020 3:08:31 PM

Quant Time: Aug 27 08:47:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	55202	19.782	ug/l	92
40) Benzene	8.34	78	122796	19.704	ug/l	95
41) Methacrylonitrile	7.51	41	10133	20.394	ug/l #	97
42) 1,2-Dichloroethane	8.42	62	49431	22.521	ug/l	100
43) Isopropyl Acetate	8.44	43	31510	19.485	ug/l	98
44) Trichloroethene	9.11	130	41408	20.449	ug/l	99
45) 1,2-Dichloropropane	9.38	63	28103	19.892	ug/l #	86
46) Dibromomethane	9.47	93	19221	21.851	ug/l	93
47) Bromodichloromethane	9.66	83	52662	21.770	ug/l	98
48) Methyl methacrylate	9.45	41	15899	19.065	ug/l	97
49) 1,4-Dioxane	9.46	88	4053	396.806	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	74807	95.621	ug/l	98
52) Toluene	10.40	92	87060	20.620	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	46615	20.308	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	52437	20.352	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	22876	19.210	ug/l #	91
56) Ethyl methacrylate	10.66	69	28021	20.327	ug/l	97
57) 1,3-Dichloropropane	10.94	76	40180	20.398	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	63544	110.985	ug/l	94
59) 2-Hexanone	10.98	43	54949	99.577	ug/l	99
60) Dibromochloromethane	11.14	129	37007	20.617	ug/l	100
61) 1,2-Dibromoethane	11.24	107	23119	19.728	ug/l	99
64) Tetrachloroethene	10.87	164	38150	20.861	ug/l	92
65) Chlorobenzene	11.67	112	98969	20.635	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	40484	20.654	ug/l	98
67) Ethyl Benzene	11.74	91	173868	20.594	ug/l	96
68) m/p-Xylenes	11.86	106	133233	41.403	ug/l	97
69) o-Xylene	12.18	106	62189	20.774	ug/l	96
70) Styrene	12.20	104	106509	20.721	ug/l	97
71) Bromoform	12.36	173	24426	21.965	ug/l #	98
73) Isopropylbenzene	12.48	105	177281	20.848	ug/l	99
74) N-amyl acetate	12.29	43	29984	19.523	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	24200	19.922	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	17716m	19.839	ug/l	
77) Bromobenzene	12.76	156	44675	20.700	ug/l	97
78) n-propylbenzene	12.82	91	199277	20.439	ug/l	98
79) 2-Chlorotoluene	12.91	91	111799	20.077	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	155120	21.128	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	8856	21.051	ug/l	90
82) 4-Chlorotoluene	13.00	91	119509	20.257	ug/l	98
83) tert-Butylbenzene	13.23	119	129885	20.368	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	150627	20.888	ug/l	99
85) sec-Butylbenzene	13.40	105	170982	20.464	ug/l	99
86) p-Isopropyltoluene	13.52	119	170190	21.125	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	84820	21.054	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	81953	20.260	ug/l	96
89) n-Butylbenzene	13.84	91	143153	20.136	ug/l	100
90) Hexachloroethane	14.11	117	31350	19.699	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	72392	20.873	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5672	22.263	ug/l	86

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082620\
Data File : VD066413.D
Acq On : 26 Aug 2020 11:53
Operator : VA/SY
Sample : VD0826SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM

Quant Time: Aug 27 08:47:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	55723	20.580	ug/l	98
94) Hexachlorobutadiene	15.27	225	34534	20.524	ug/l	96
95) Naphthalene	15.41	128	88491	20.809	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	47772	20.597	ug/l	98

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

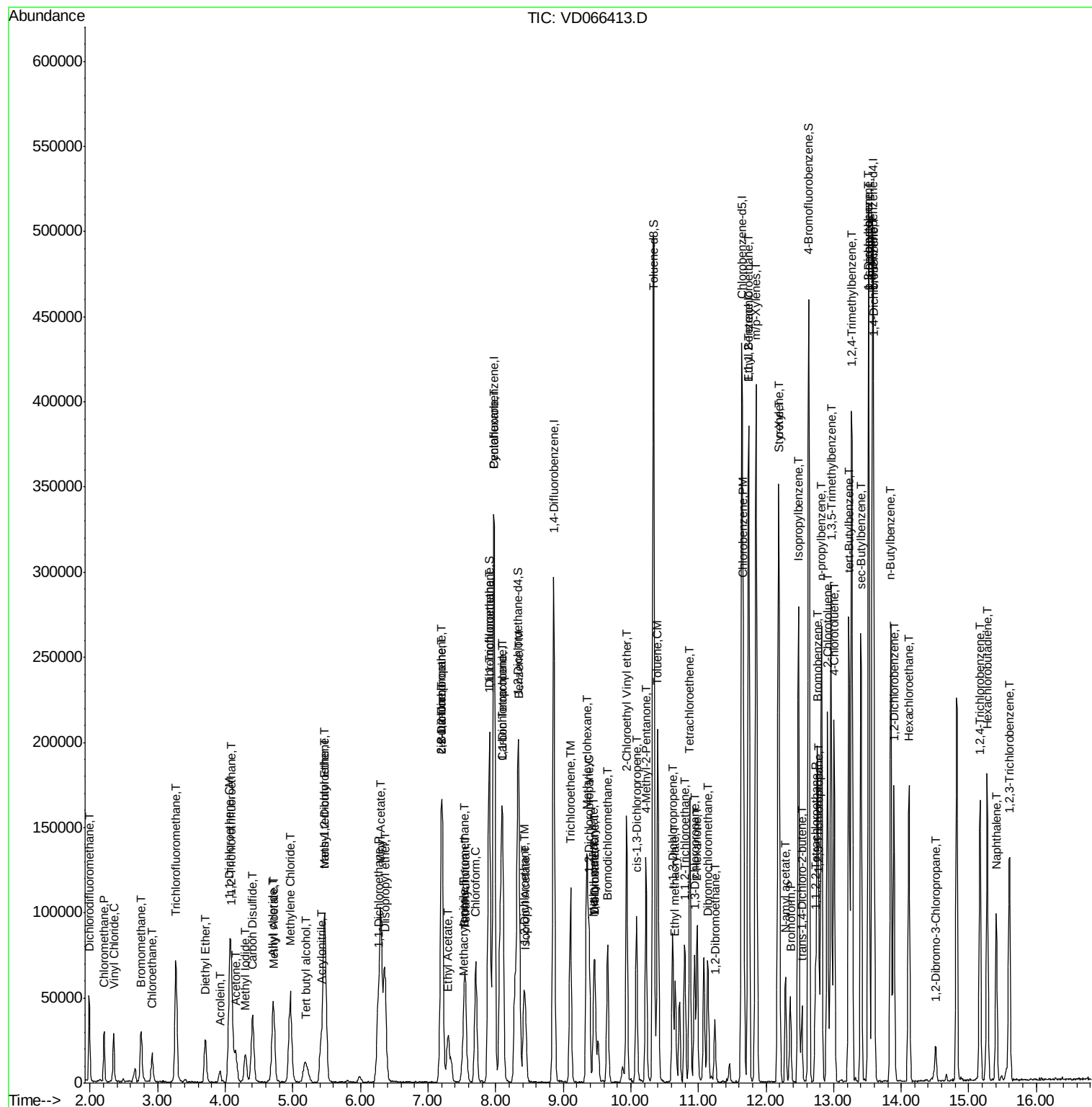
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082620\
Data File : VD066413.D
Acq On : 26 Aug 2020 11:53
Operator : VA/SY
Sample : VD0826SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

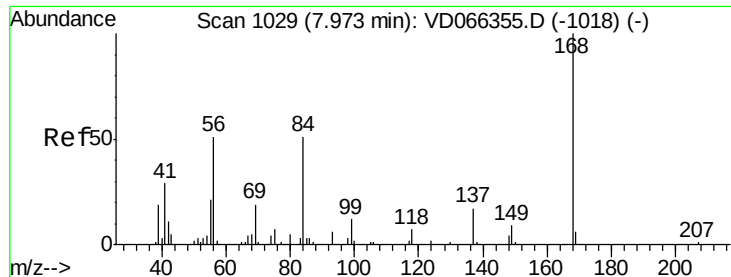
Instrument :
MSVOA_D
Client Sample Id :
VD0826SBS01

Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM

Quant Time: Aug 27 08:47:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBS01

Tot Ion:168 Resp: 186547

Ion Ratio Lower Upper

168 100

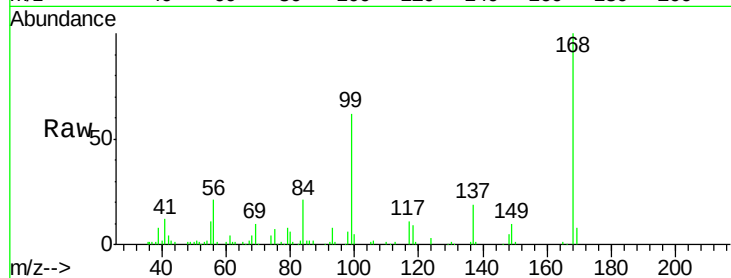
99 62.2 45.4 68.0

Manual Integrations

APPROVED

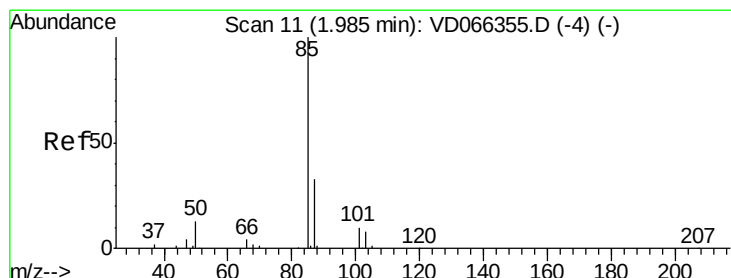
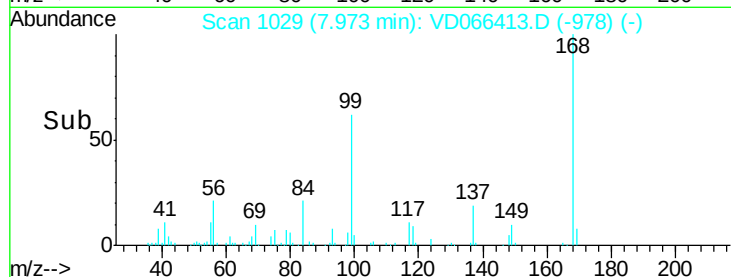
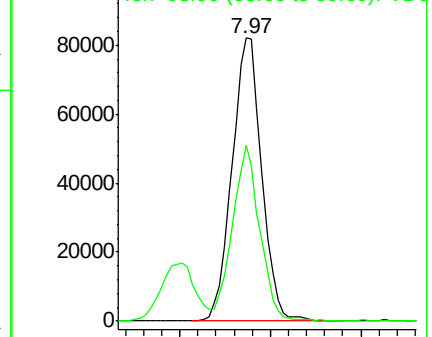
MMDadoda

8/27/2020 3:08:31 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.729 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066413.D

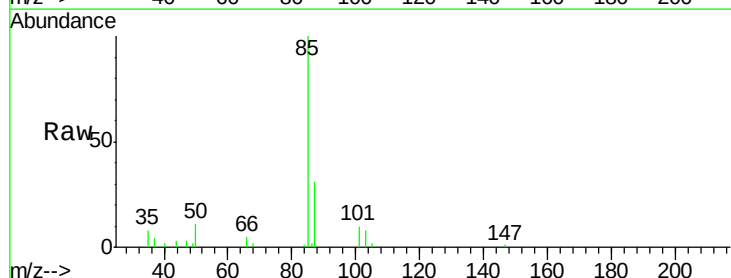
Acq: 26 Aug 2020 11:53

Tgt Ion: 85 Resp: 34461

Ion Ratio Lower Upper

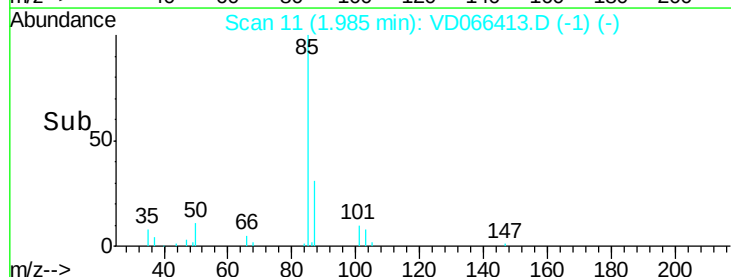
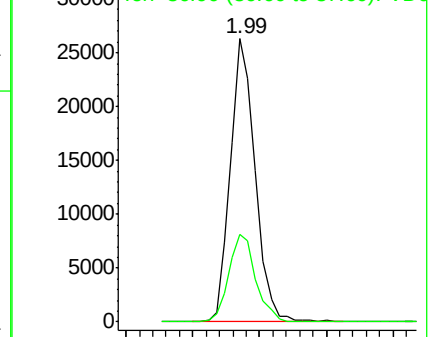
85 100

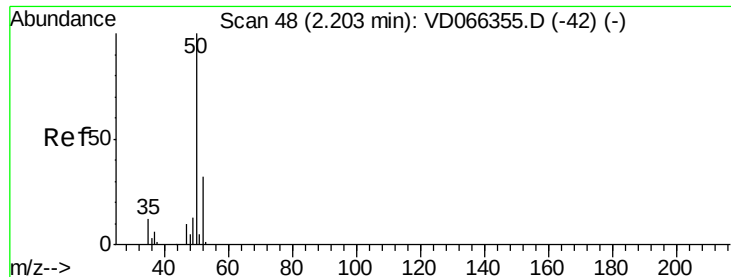
87 31.1 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.433 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Tot Ion: 50 Resp: 20722

Ion Ratio Lower Upper

50 100

52 37.7 25.7 38.5

Instrument :

MSVOA_D

ClientSampleId :

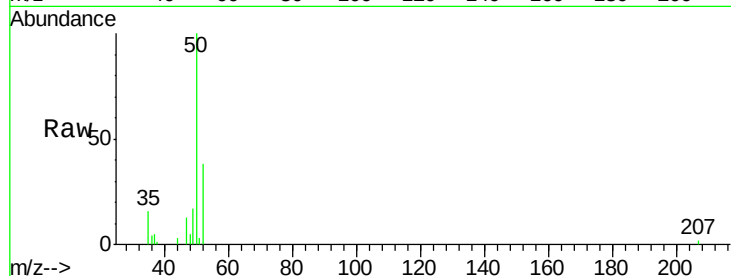
VD0826SBS01

Manual Integrations

APPROVED

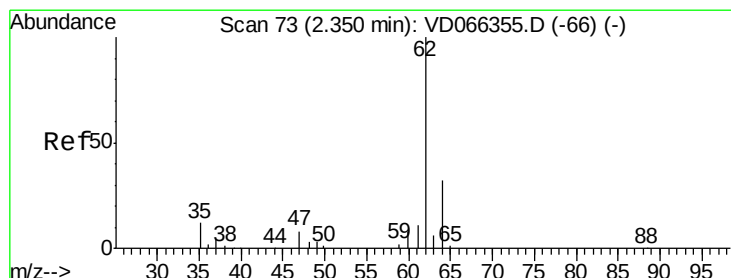
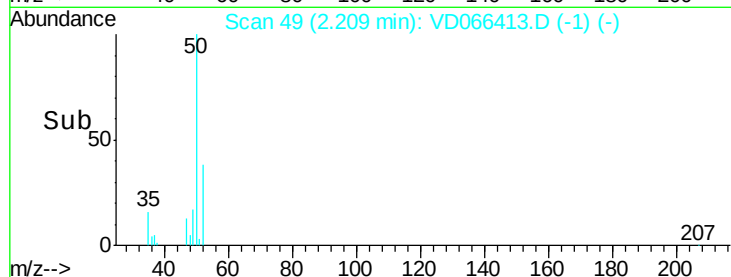
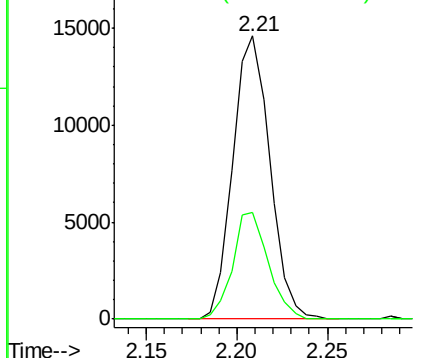
MMDadoda

8/27/2020 3:08:31 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.305 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066413.D

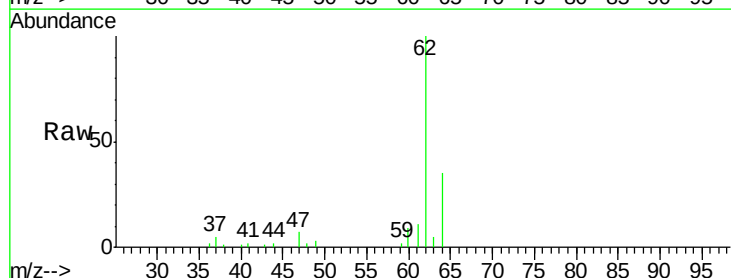
Acq: 26 Aug 2020 11:53

Tgt Ion: 62 Resp: 24508

Ion Ratio Lower Upper

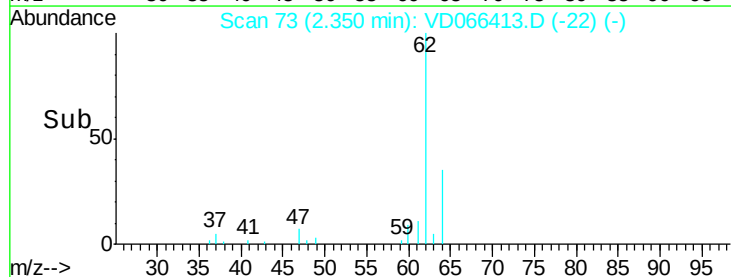
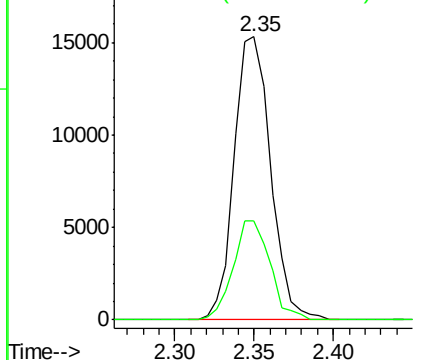
62 100

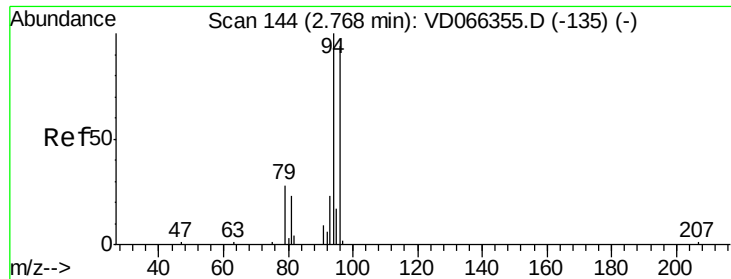
64 35.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.932 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBS01

Tot Ion: 94 Resp: 20703

Ion Ratio Lower Upper

94 100

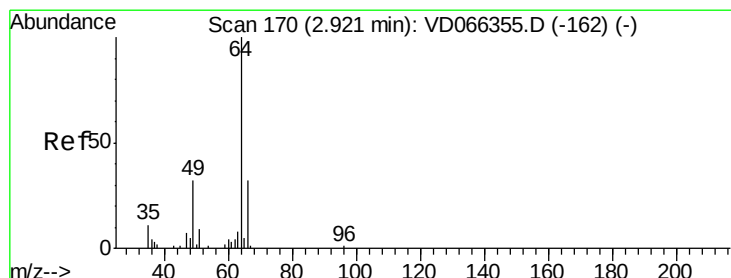
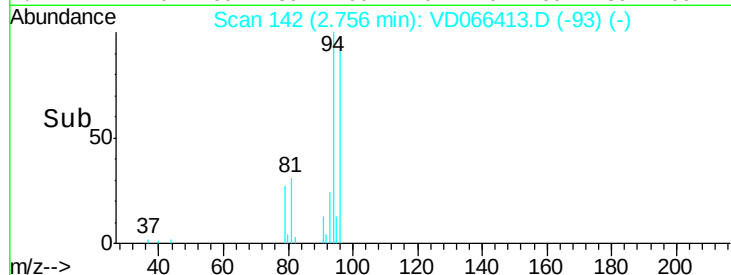
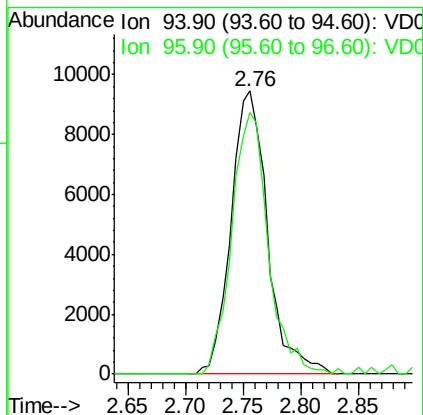
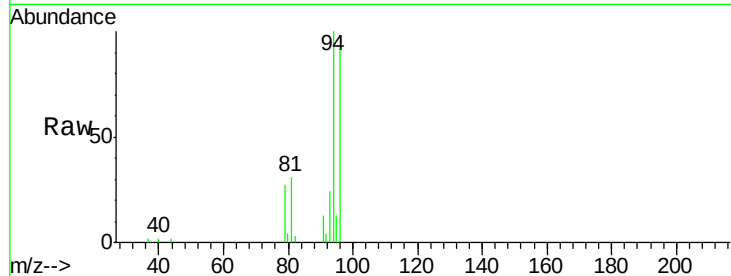
96 92.4 75.0 112.4

Manual Integrations

APPROVED

MMDadoda

8/27/2020 3:08:31 PM



#6

Chloroethane

Concen: 19.177 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066413.D

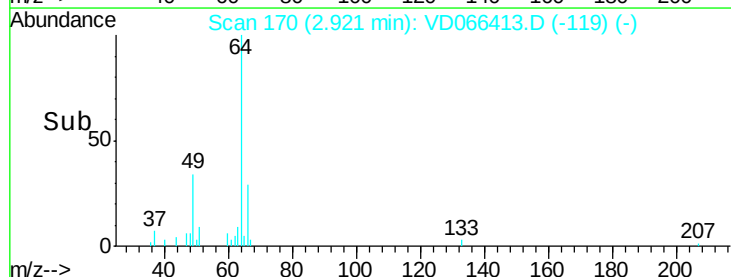
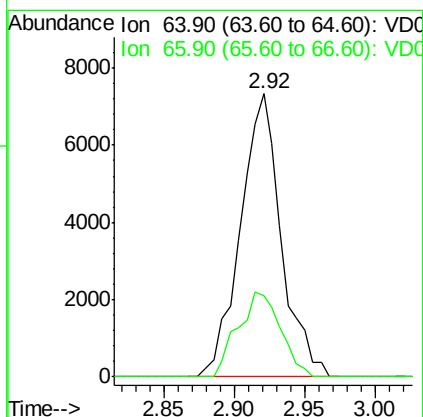
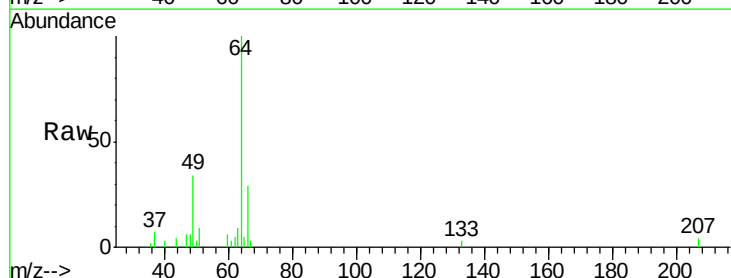
Acq: 26 Aug 2020 11:53

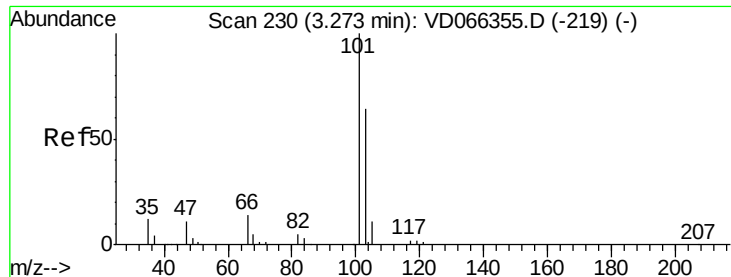
Tgt Ion: 64 Resp: 14821

Ion Ratio Lower Upper

64 100

66 28.5 25.9 38.9





#7

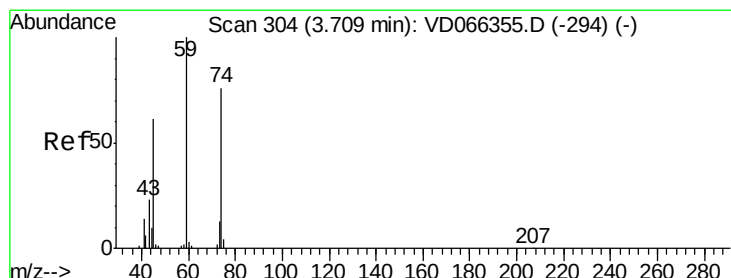
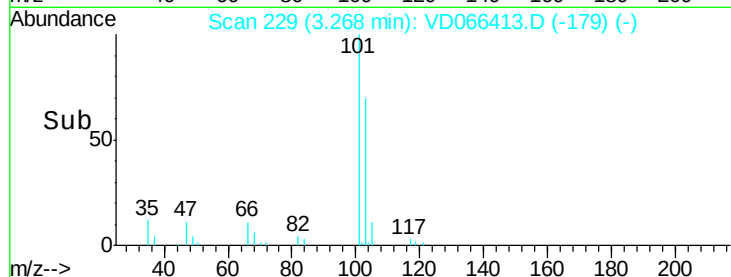
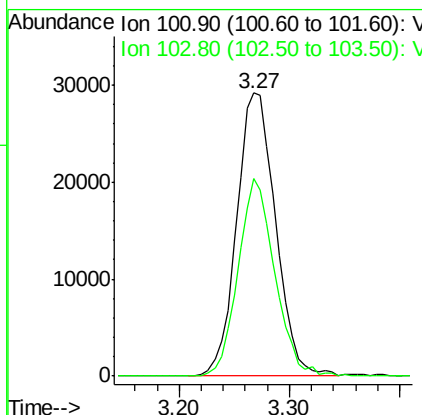
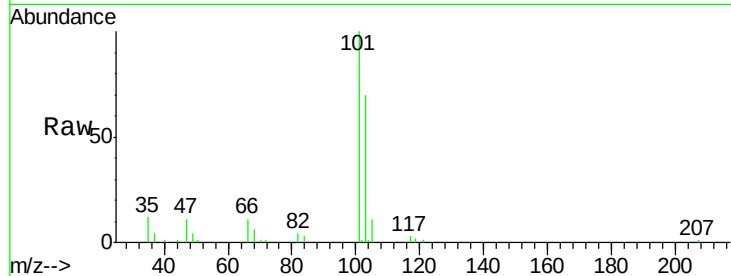
Trichlorofluoromethane
 Concen: 22.051 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.9	51.4	77.0

Manual Integrations
 APPROVED

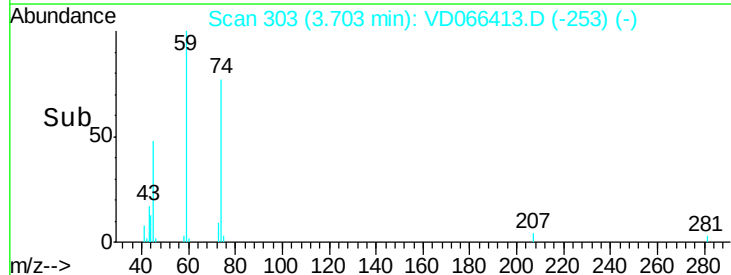
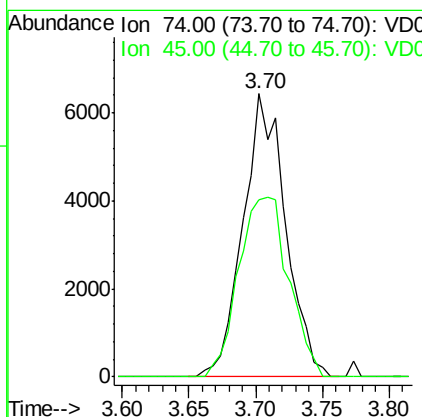
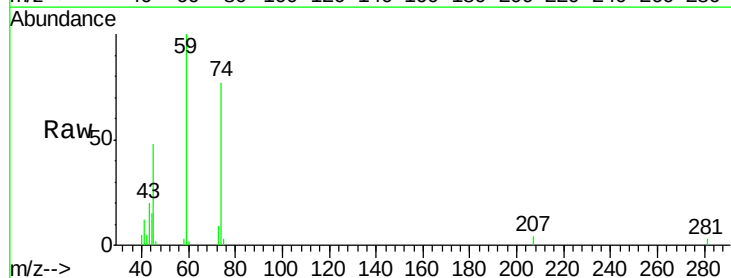
MMDadoda
 8/27/2020 3:08:31 PM

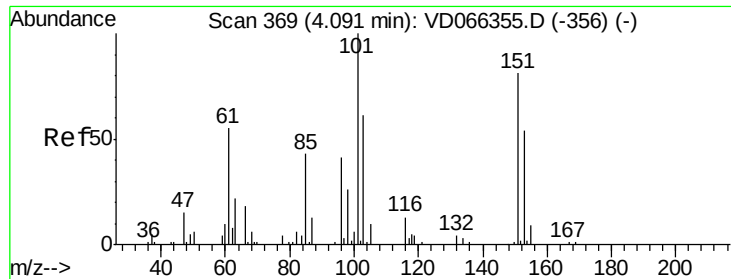


#8

Diethyl Ether
 Concen: 19.257 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	75.1	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.657 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

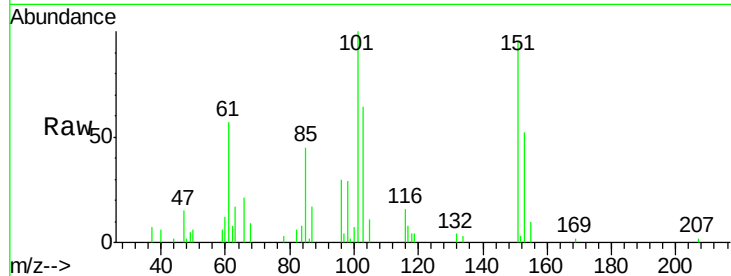
ClientSampleId :

VD0826SBS01

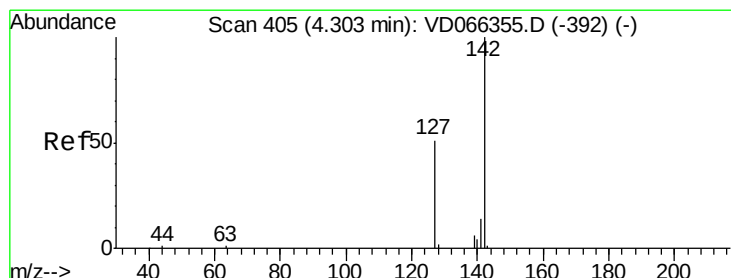
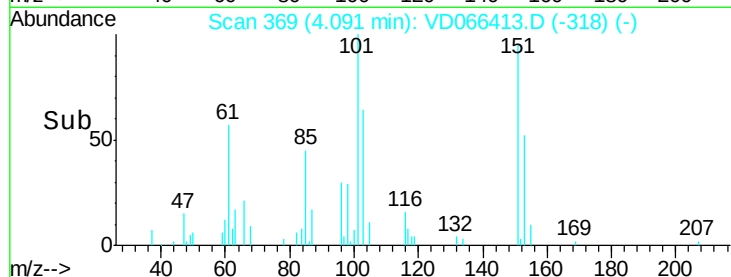
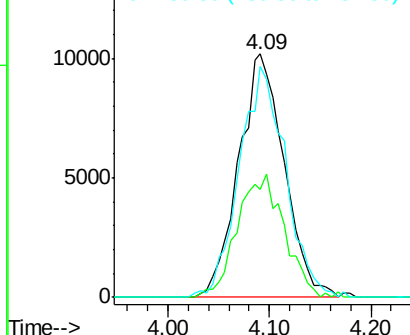
Tot Ion:	101	Resp:	31839
Ion Ratio	Lower	Upper	
101	100		
85	51.8	36.4	54.6
151	96.4	70.5	105.7

Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.961 ug/l

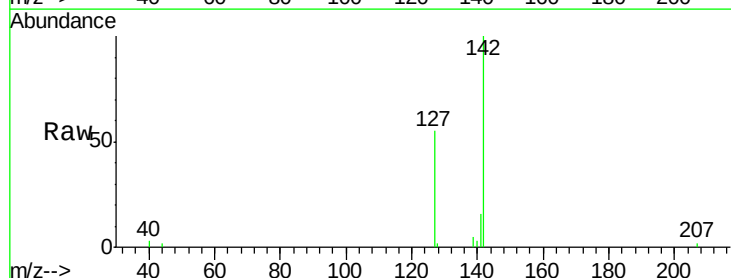
RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

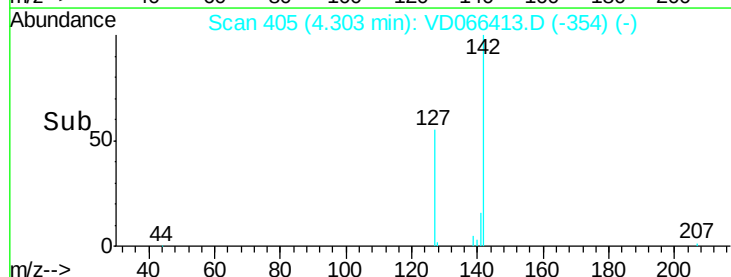
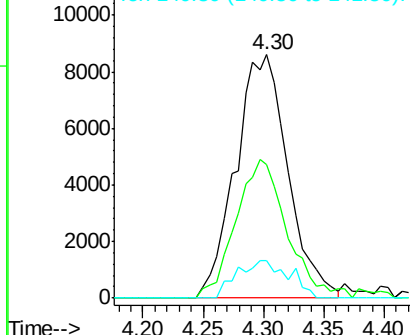
Lab File: VD066413.D

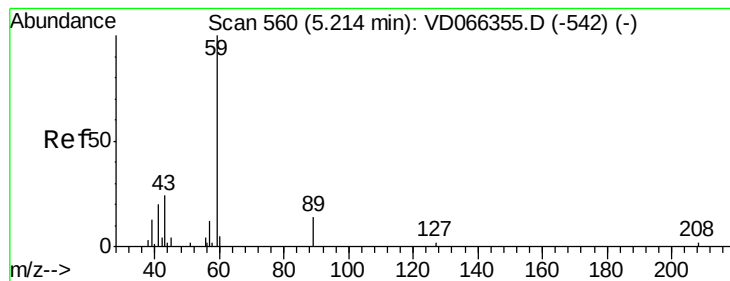
Acq: 26 Aug 2020 11:53

Tgt Ion:	142	Resp:	25792
Ion Ratio	Lower	Upper	
142	100		
127	56.0	41.8	62.8
141	15.3	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 161.029 ug/l m

RT: 5.20 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBS01

Tot Ion: 59 Resp: 18520

Ion Ratio Lower Upper

59 100

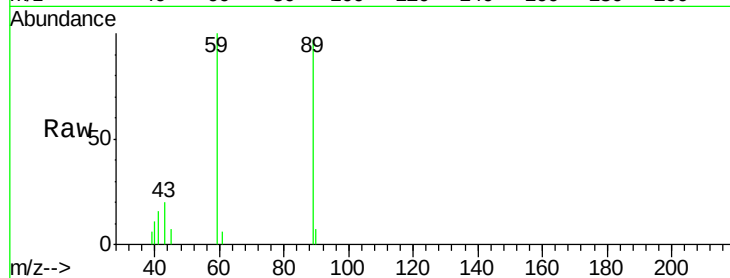
57 0.0 9.0 13.4#

Manual Integrations

APPROVED

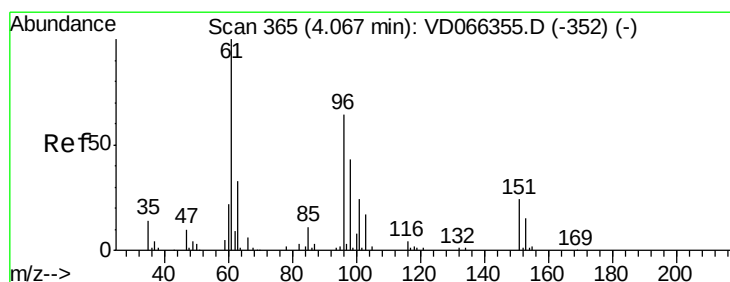
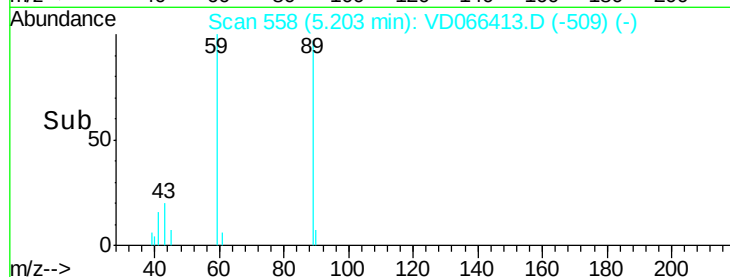
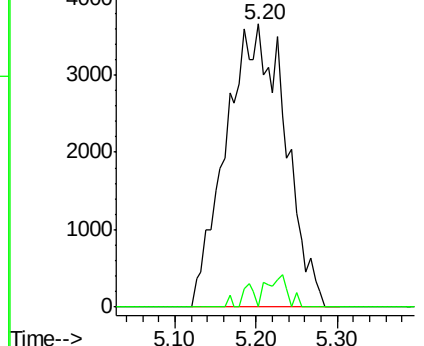
MMDadoda

8/27/2020 3:08:31 PM



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.043 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

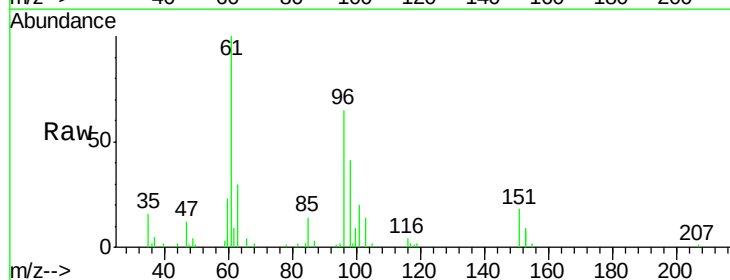
Tgt Ion: 96 Resp: 28953

Ion Ratio Lower Upper

96 100

61 154.1 124.3 186.5

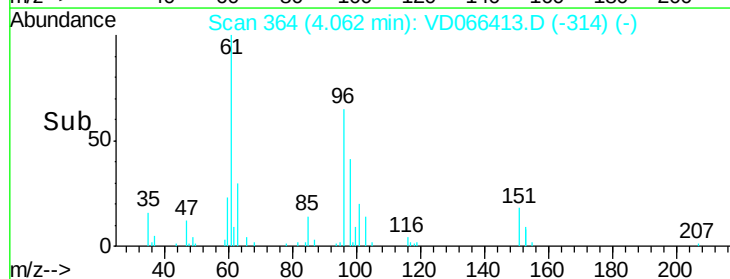
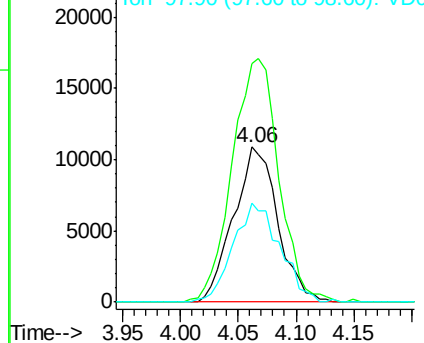
98 63.7 53.2 79.8

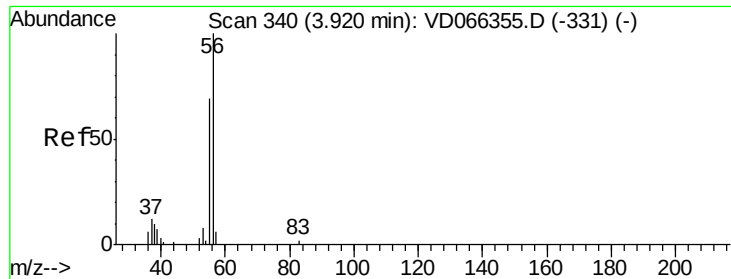


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





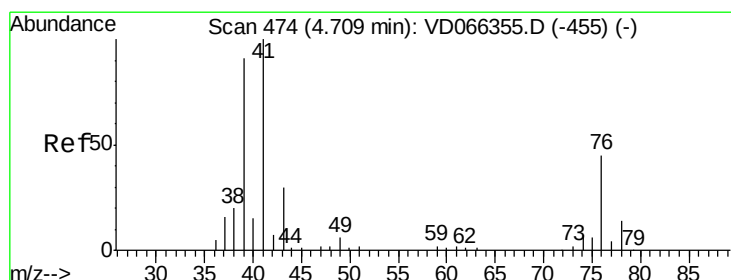
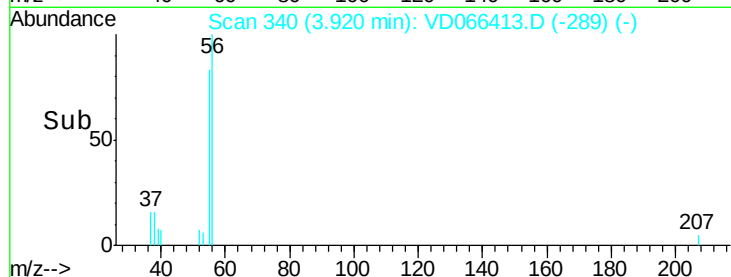
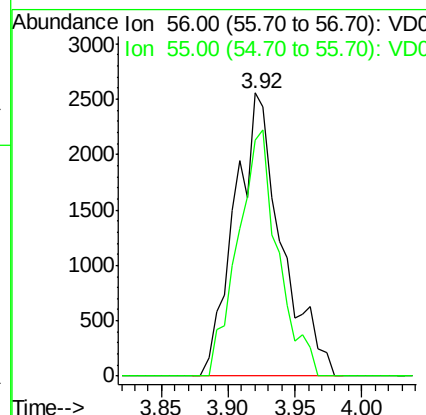
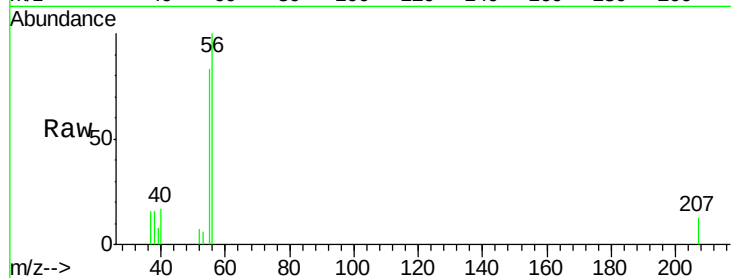
#13
 Acrolein
 Concen: 76.341 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tot Ion: 56 Resp: 6200
 Ion Ratio Lower Upper
 56 100
 55 74.9 55.5 83.3

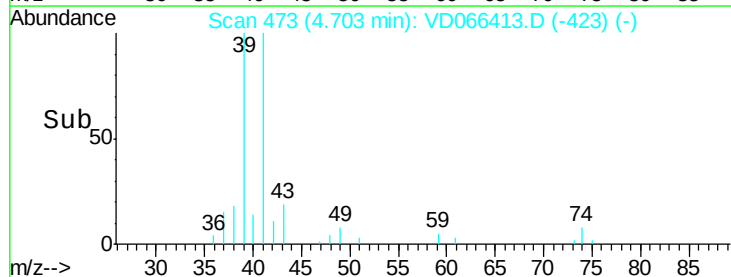
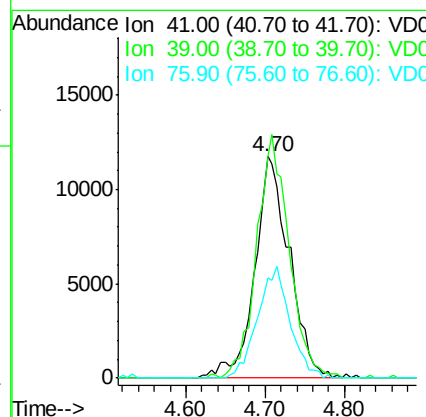
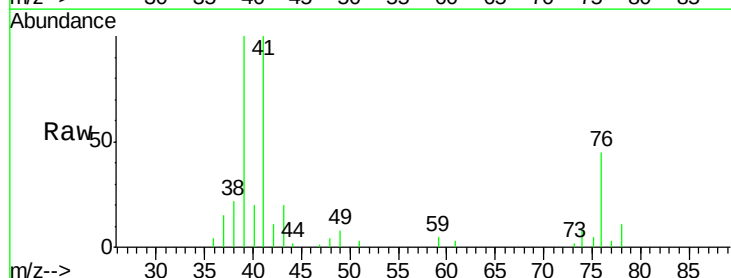
Manual Integrations
 APPROVED

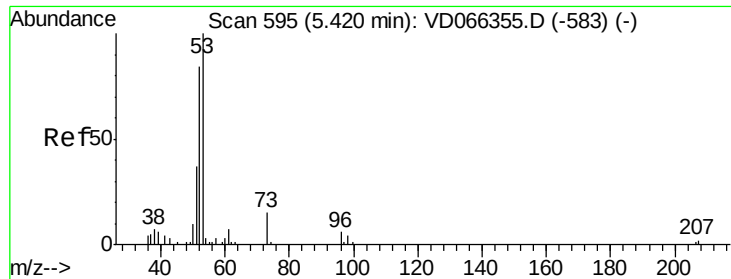
MMDadoda
 8/27/2020 3:08:31 PM



#14
 Allyl chloride
 Concen: 17.581 ug/l
 RT: 4.70 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion: 41 Resp: 35679
 Ion Ratio Lower Upper
 41 100
 39 103.7 72.8 109.2
 76 47.4 34.0 51.0





#15

Acrylonitrile

Concen: 98.970 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

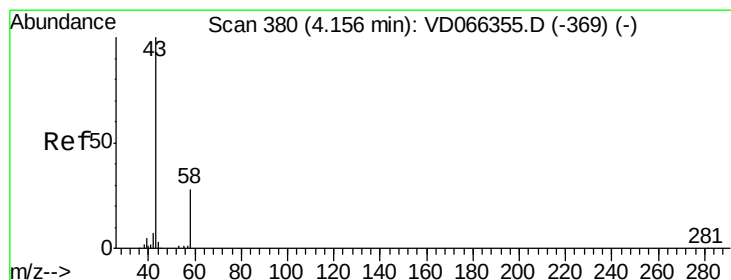
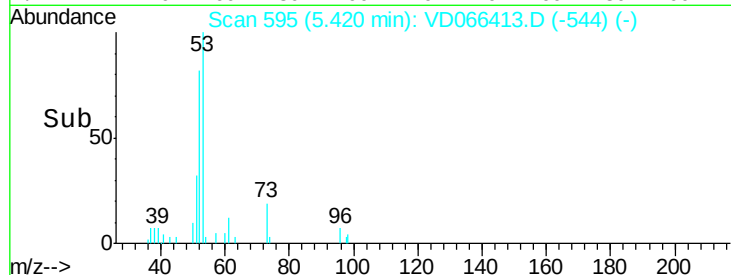
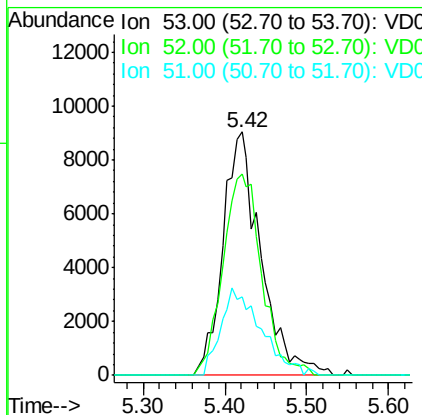
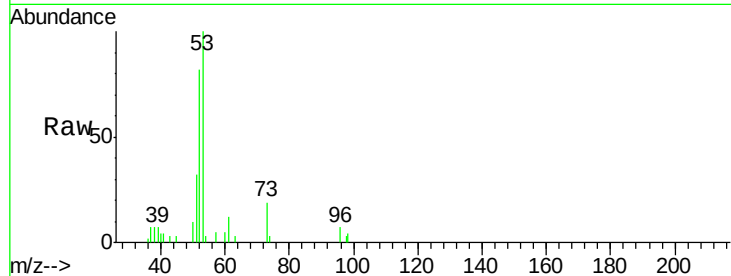
ClientSampleId :

VD0826SBS01

Tot Ion:	53	Resp:	29201
Ion	Ratio	Lower	Upper
53	100		
52	84.3	68.1	102.1
51	38.2	33.8	50.6

Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM



#16

Acetone

Concen: 92.357 ug/l

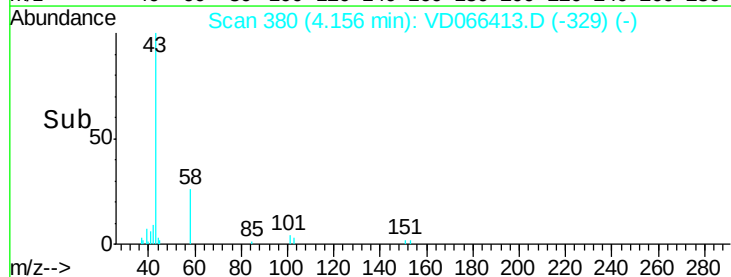
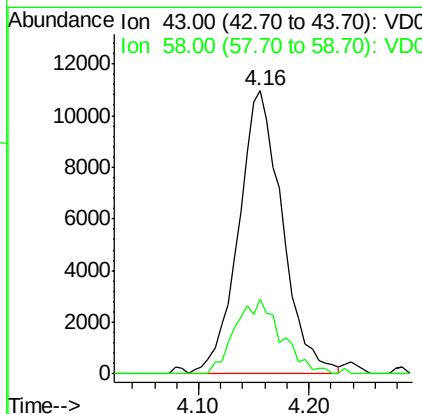
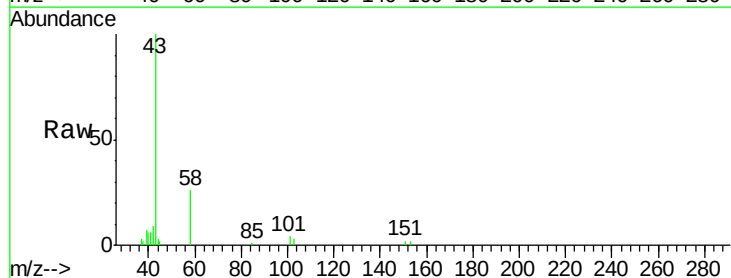
RT: 4.16 min Scan# 380

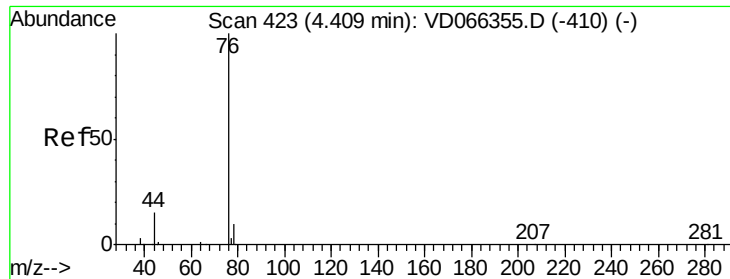
Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Tgt Ion:	43	Resp:	30452
Ion	Ratio	Lower	Upper
43	100		
58	26.2	22.7	34.1





#17

Carbon Disulfide

Concen: 17.836 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBS01

Tot Ion: 76 Resp: 82183

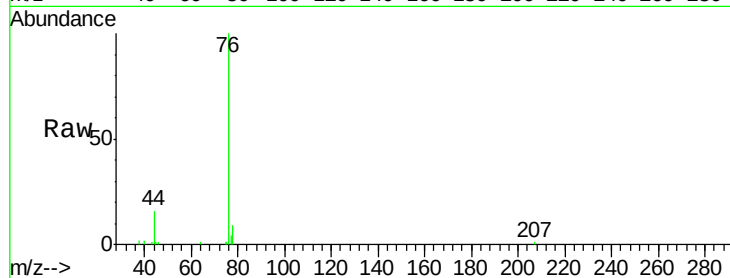
Ion Ratio Lower Upper

76 100

78 8.7 7.7 11.5

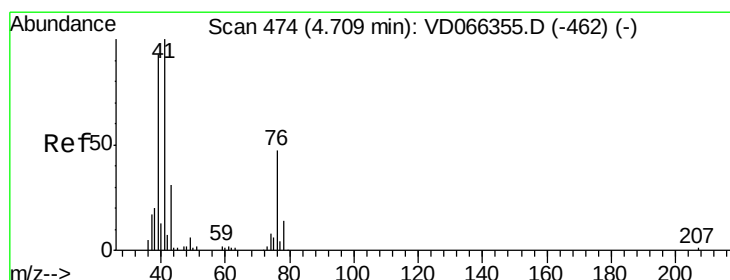
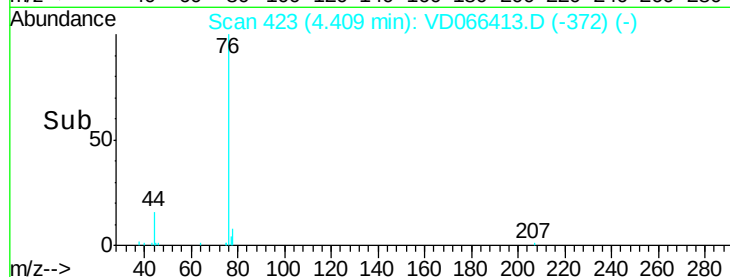
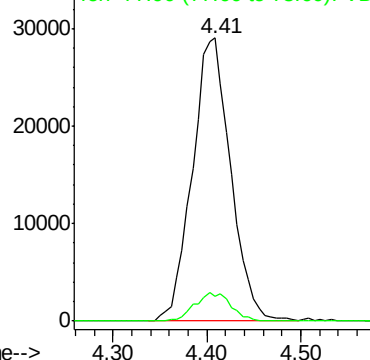
Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.341 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.02 min

Lab File: VD066413.D

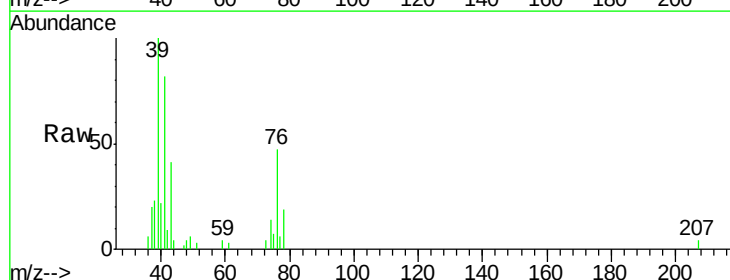
Acq: 26 Aug 2020 11:53

Tgt Ion: 43 Resp: 10731

Ion Ratio Lower Upper

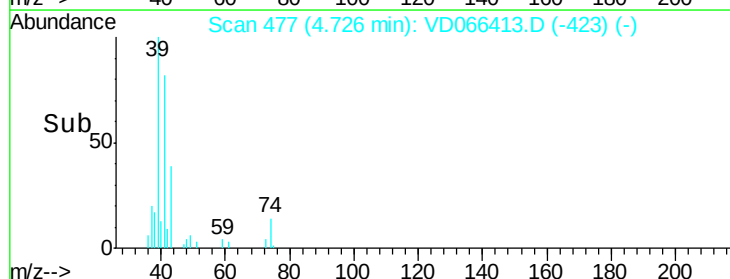
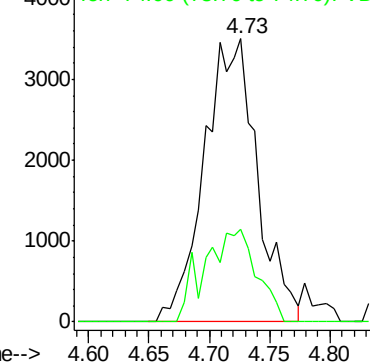
43 100

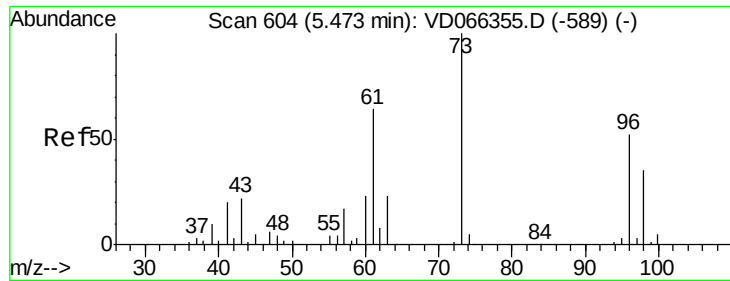
74 32.3 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





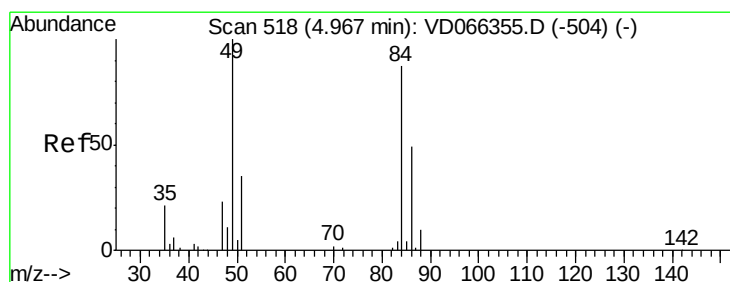
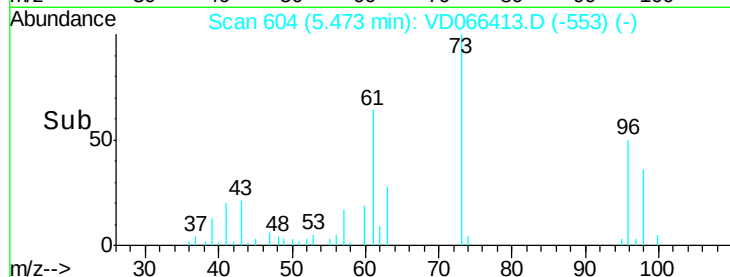
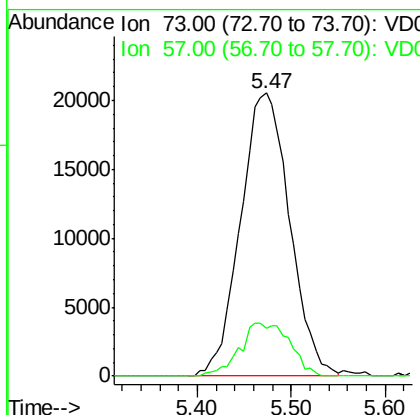
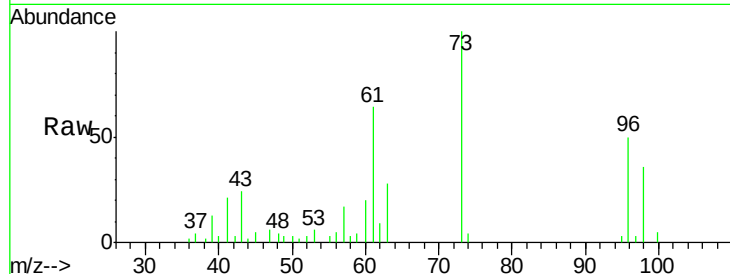
#19
Methyl tert-butyl Ether
Concen: 20.290 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion: 73 Resp: 74282
Ion Ratio Lower Upper
73 100
57 17.1 13.8 20.6

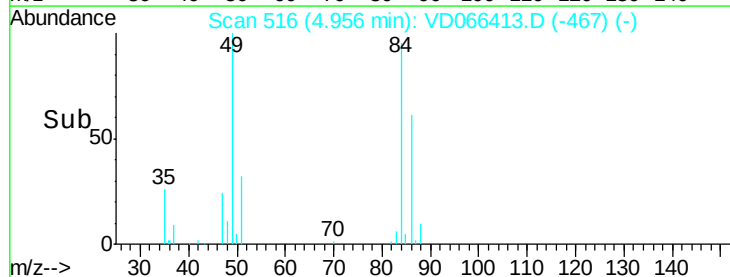
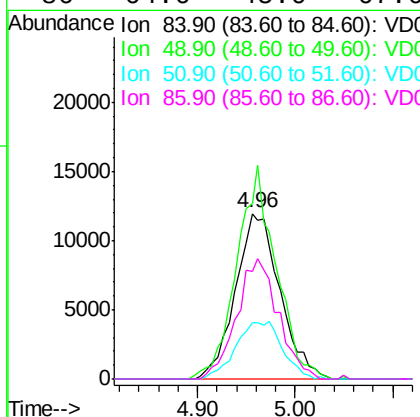
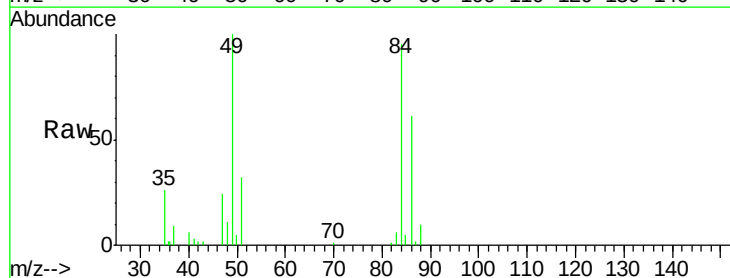
Manual Integrations
APPROVED

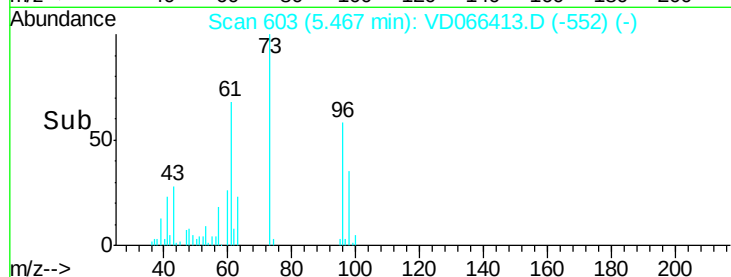
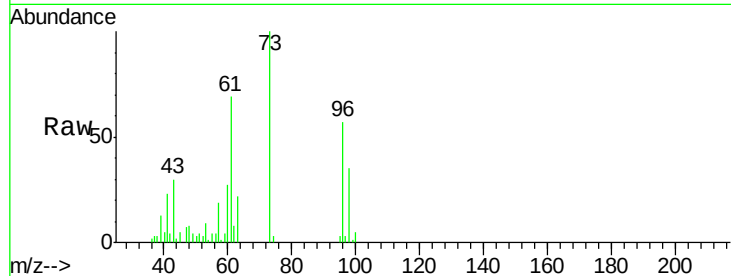
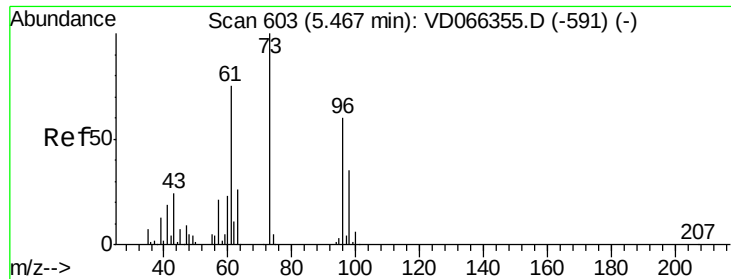
MMDadoda
8/27/2020 3:08:31 PM



#20
Methylene Chloride
Concen: 17.430 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion: 84 Resp: 37978
Ion Ratio Lower Upper
84 100
49 105.7 92.5 138.7
51 34.0 32.5 48.7
86 64.6 45.0 67.6





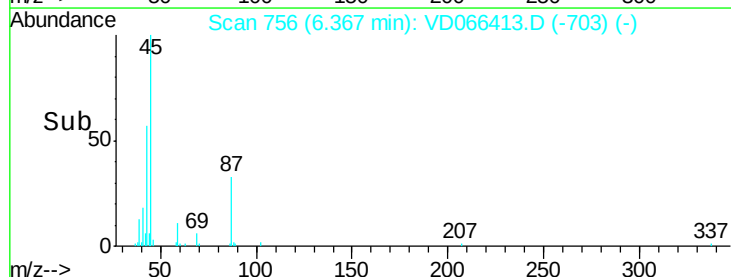
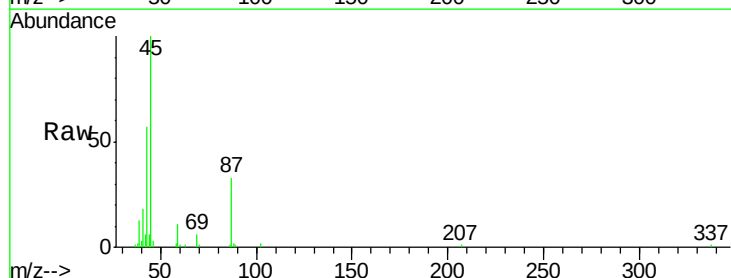
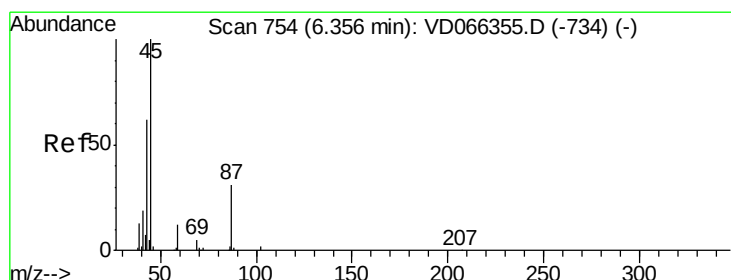
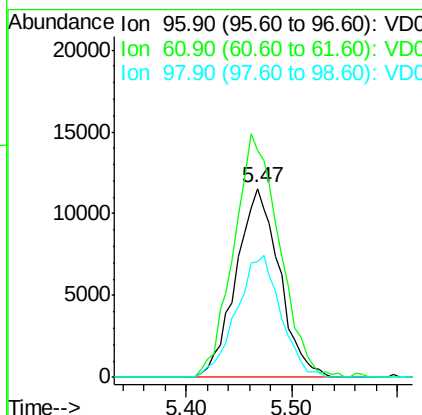
#21
trans-1,2-Dichloroethene
Concen: 18.589 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	120.0	101.1	151.7	
98	60.9	47.0	70.6	

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

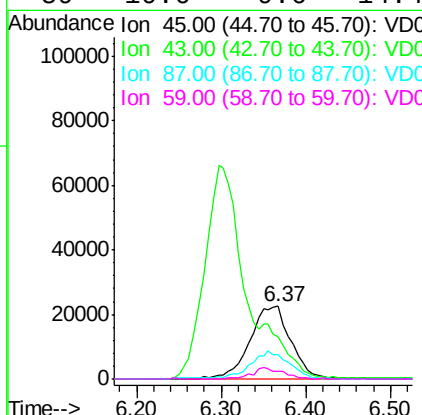
Manual Integrations
APPROVED

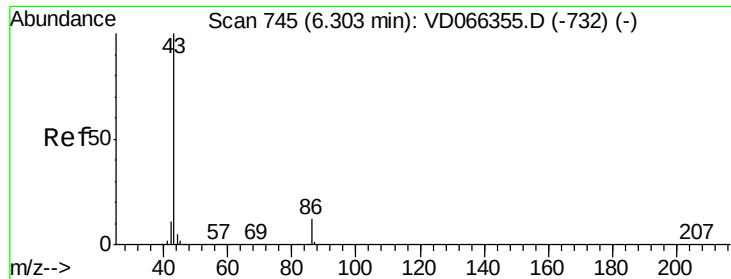
MMDadoda
8/27/2020 3:08:31 PM



#22
Diisopropyl ether
Concen: 19.257 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
43	55.2	49.8	74.8	
87	33.2	25.0	37.6	
59	10.6	9.6	14.4	





#23

Vinyl Acetate

Concen: 94.675 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBS01

Tot Ion: 43 Resp: 230285

Ion Ratio Lower Upper

43 100

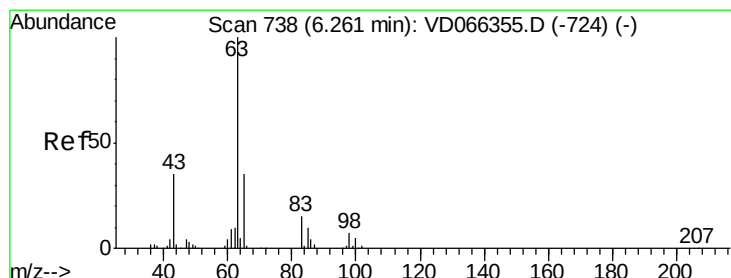
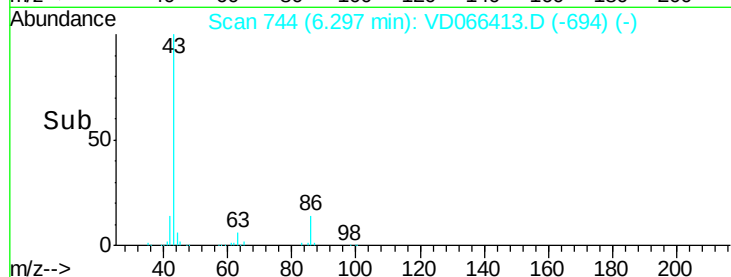
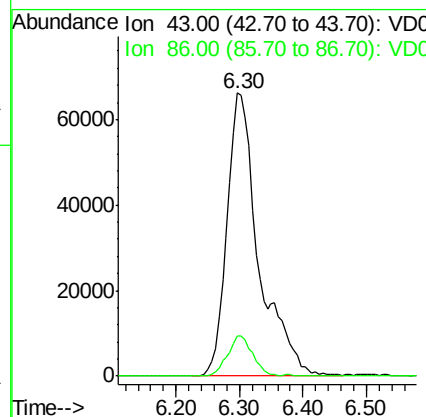
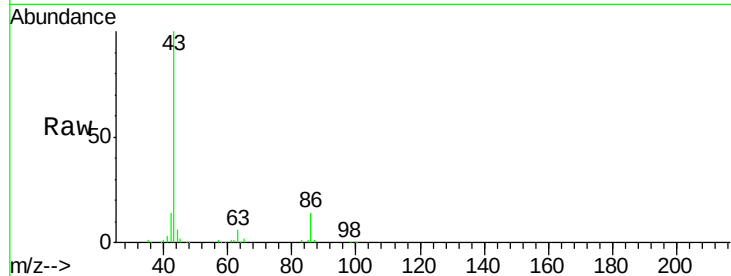
86 14.0 9.4 14.0

Manual Integrations

APPROVED

MMDadoda

8/27/2020 3:08:31 PM



#24

1,1-Dichloroethane

Concen: 19.163 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

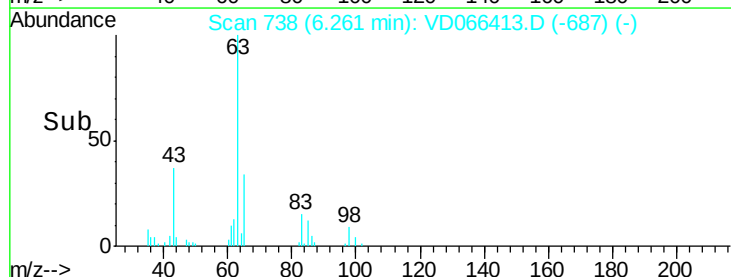
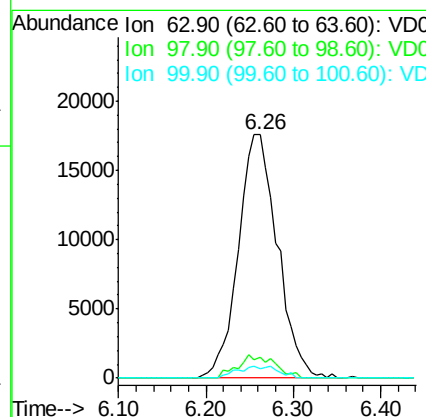
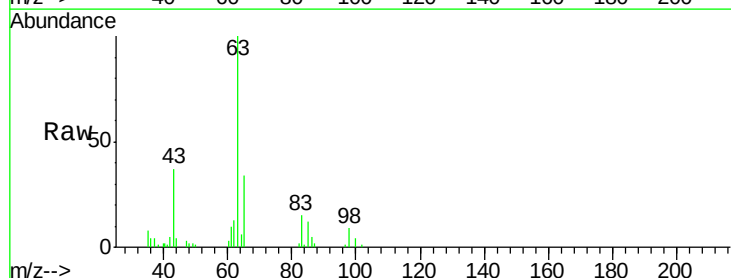
Tgt Ion: 63 Resp: 53209

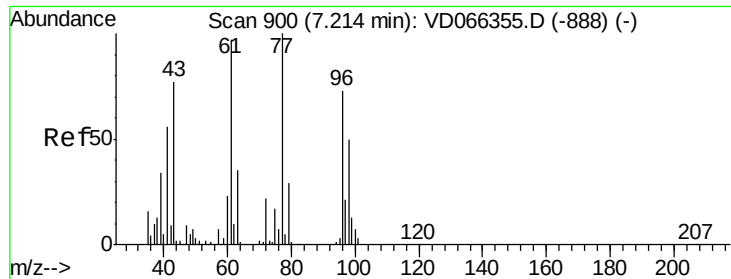
Ion Ratio Lower Upper

63 100

98 8.6 3.5 10.6

100 3.7 2.5 7.6





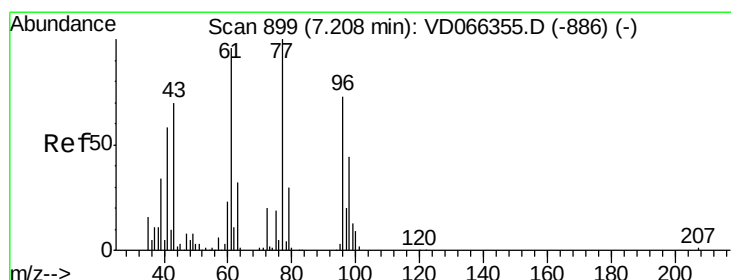
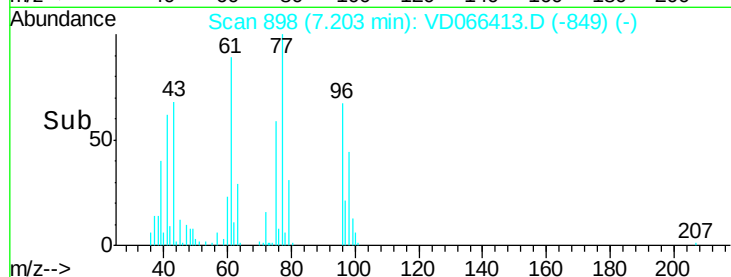
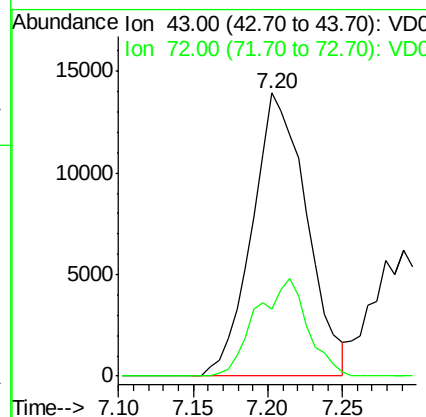
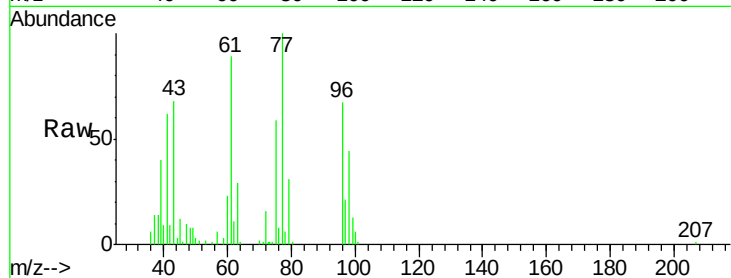
#25
2-Butanone
Concen: 94.458 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion: 43 Resp: 35357
Ion Ratio Lower Upper
43 100
72 23.6 22.5 33.7

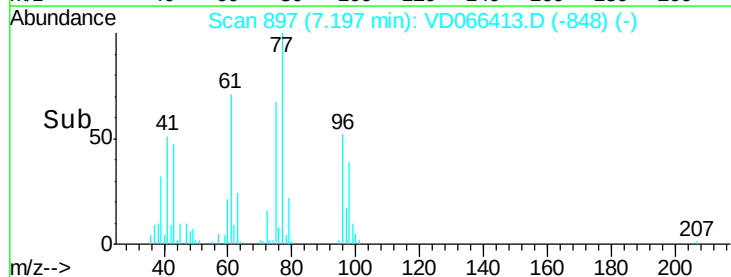
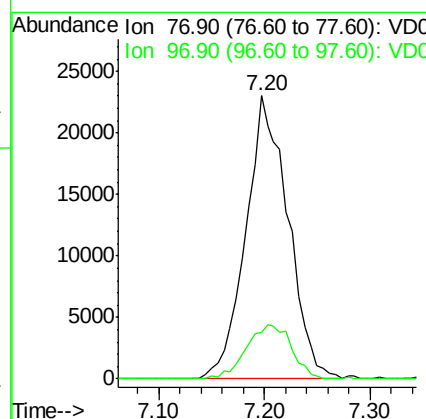
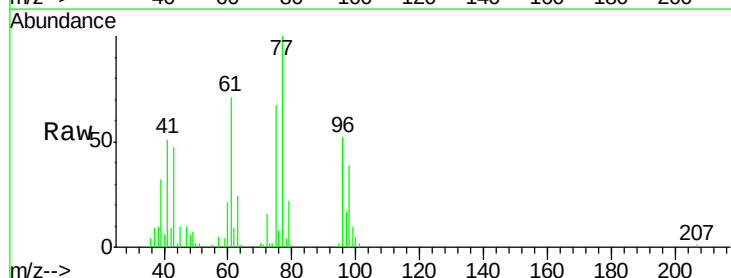
Manual Integrations
APPROVED

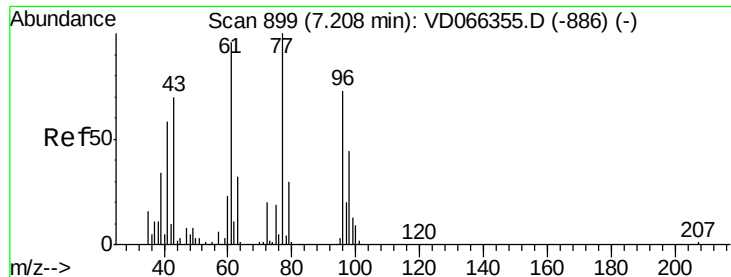
MMDadoda
8/27/2020 3:08:31 PM



#26
2,2-Dichloropropane
Concen: 21.349 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion: 77 Resp: 63533
Ion Ratio Lower Upper
77 100
97 20.4 10.7 31.9





#27

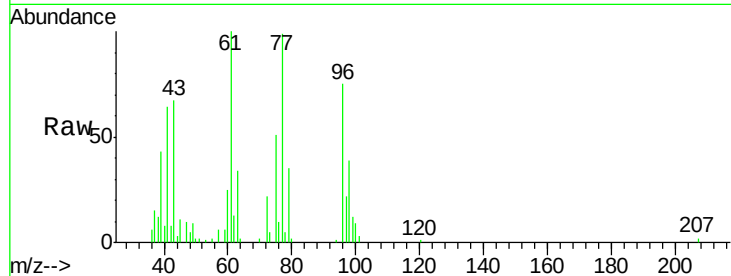
cis-1,2-Dichloroethene
 Concen: 19.607 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	281.4
98	65.8	0.0	132.2

Manual Integrations
 APPROVED

MMDadoda
 8/27/2020 3:08:31 PM

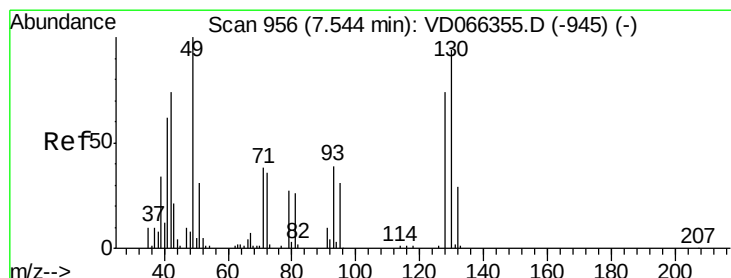
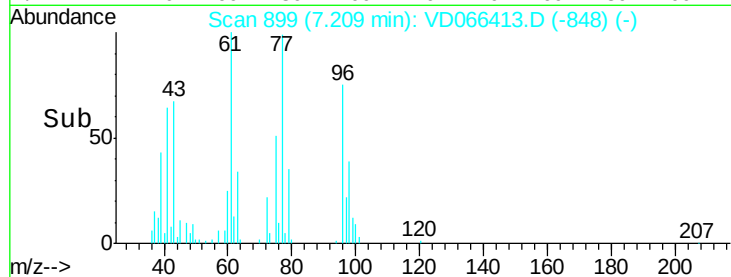
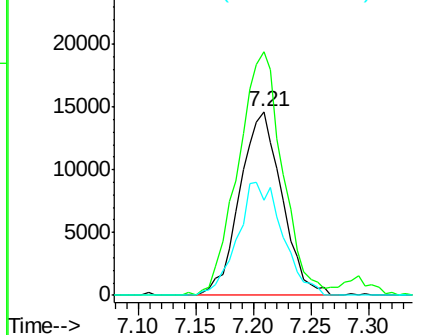


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

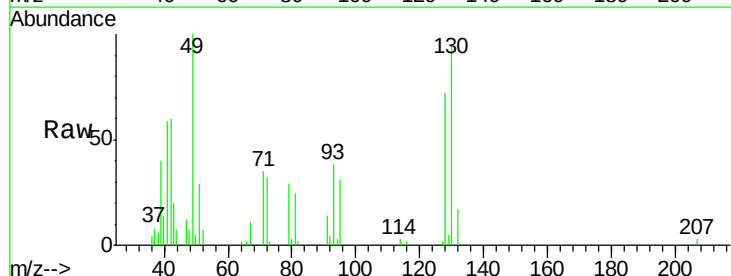
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane
 Concen: 18.111 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	3.0#
130	110.7	82.6	124.0

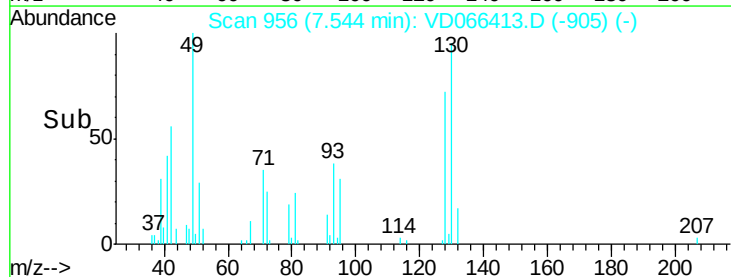
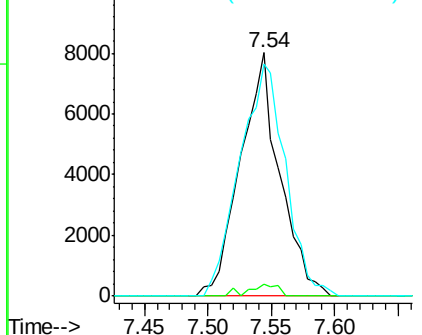


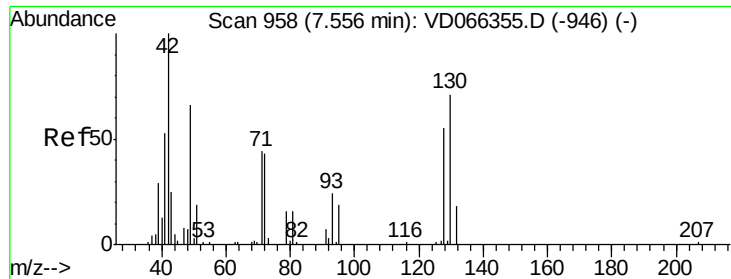
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





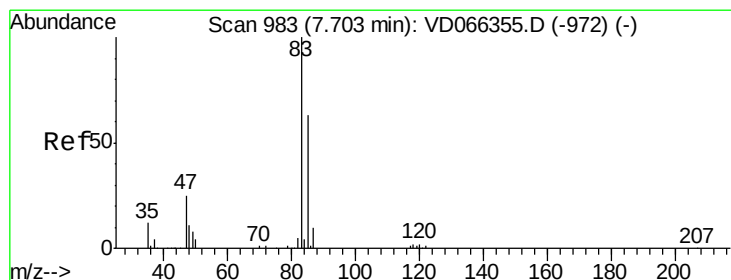
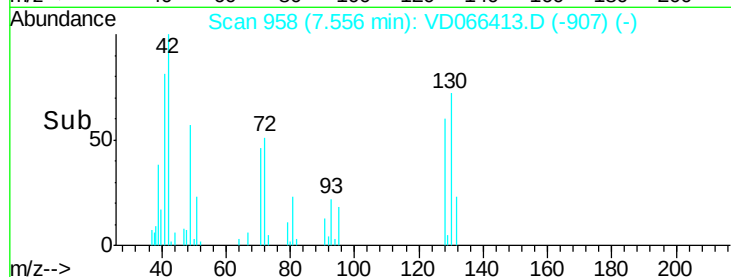
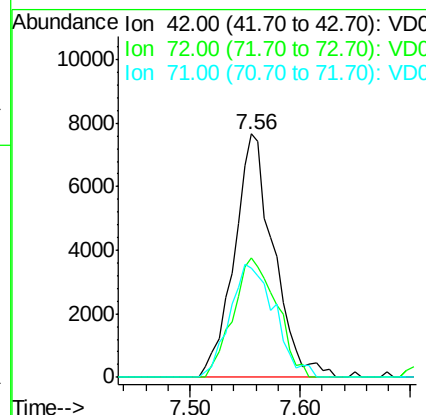
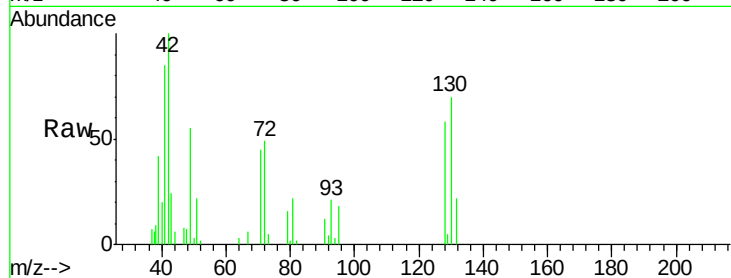
#29
Tetrahydrofuran
Concen: 90.176 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.0	41.0	61.4
71	52.5	37.2	55.8

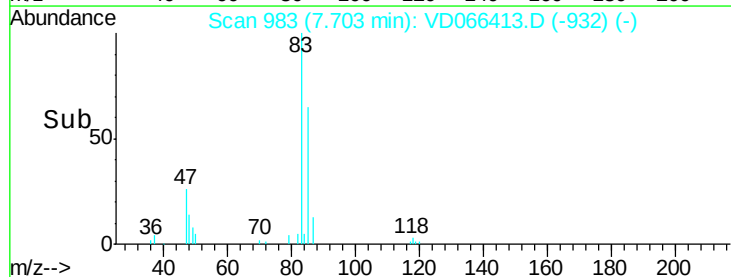
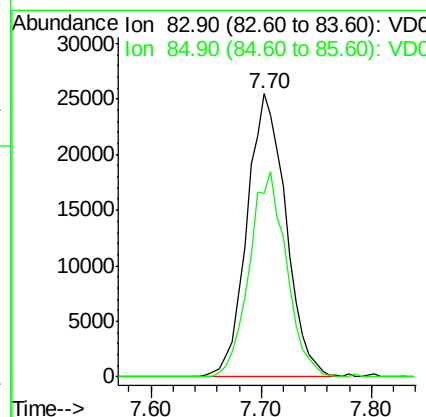
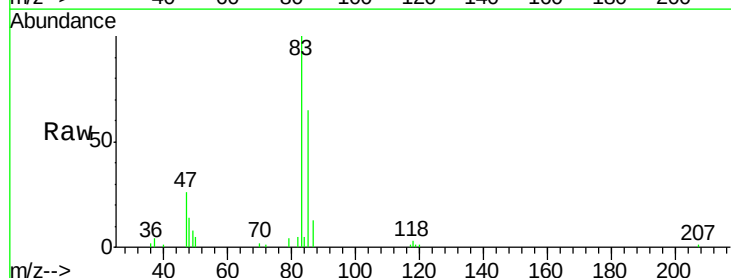
Manual Integrations
APPROVED

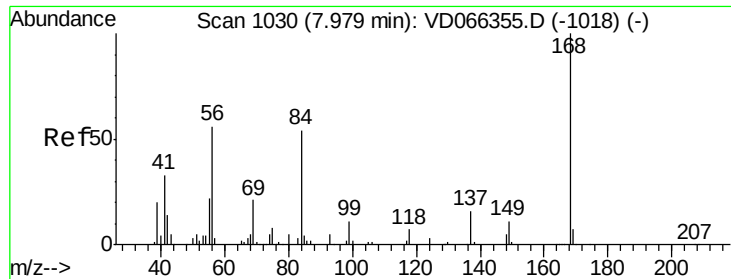
MMDadoda
8/27/2020 3:08:31 PM



#30
Chloroform
Concen: 19.594 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.3	75.5





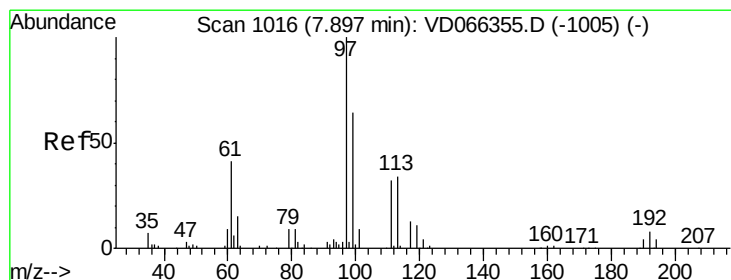
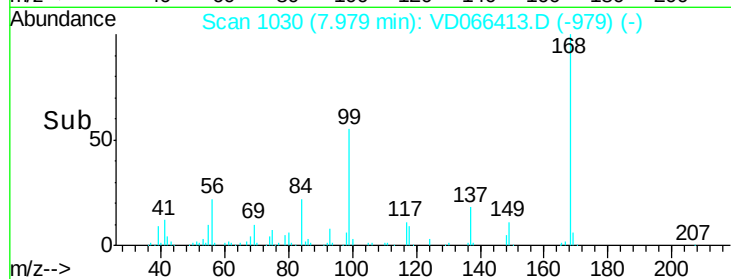
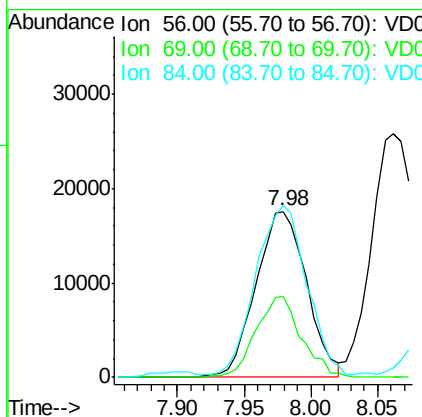
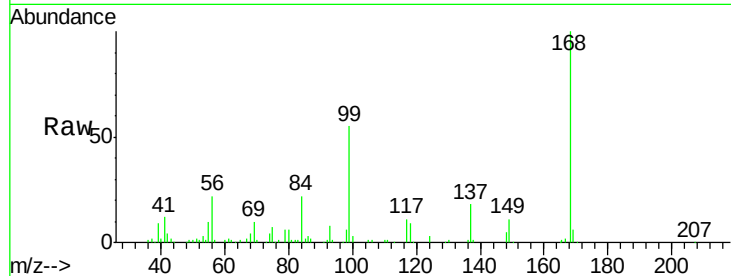
#31
Cyclohexane
Concen: 18.272 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	48.5	29.6	44.4#	
84	99.8	76.6	115.0	

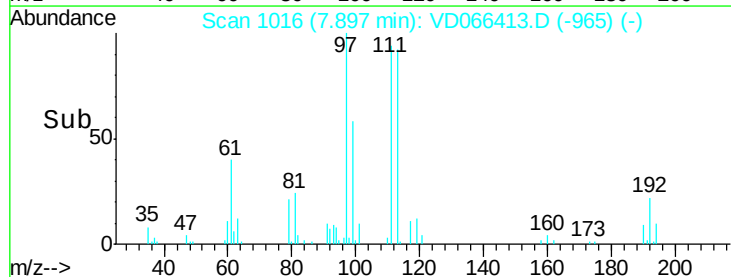
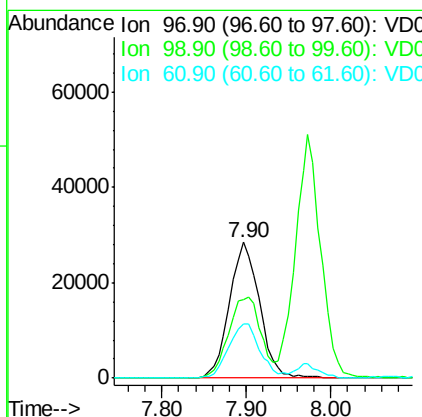
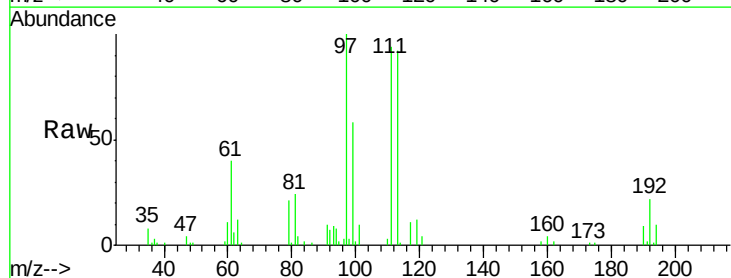
Manual Integrations
APPROVED

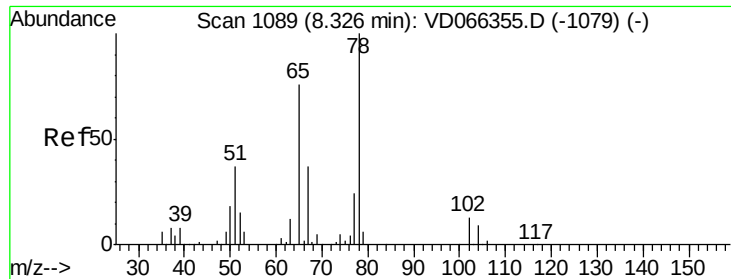
MMDadoda
8/27/2020 3:08:31 PM



#32
1,1,1-Trichloroethane
Concen: 21.245 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.8	51.5	77.3	
61	41.7	33.3	49.9	





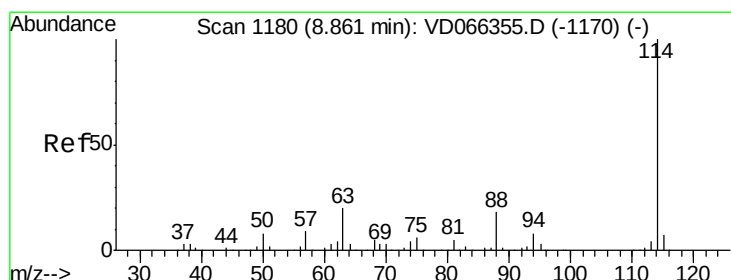
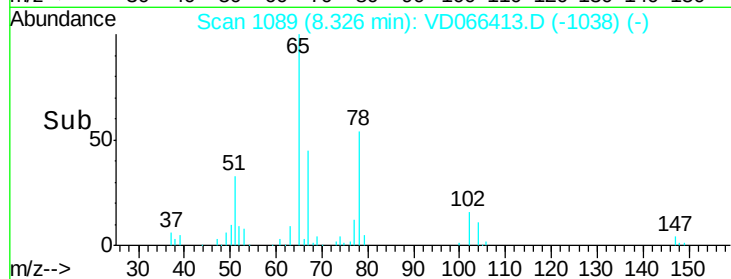
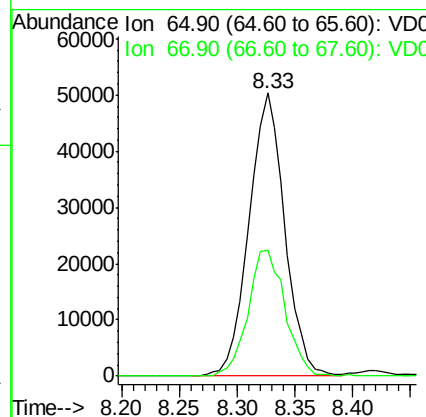
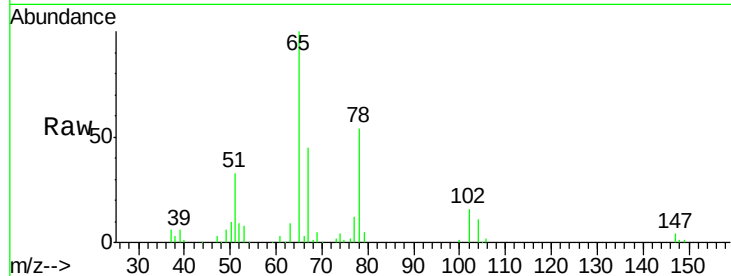
#33
 1,2-Dichloroethane-d4
 Concen: 59.317 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108484		
67	46.1	0.0	101.6	

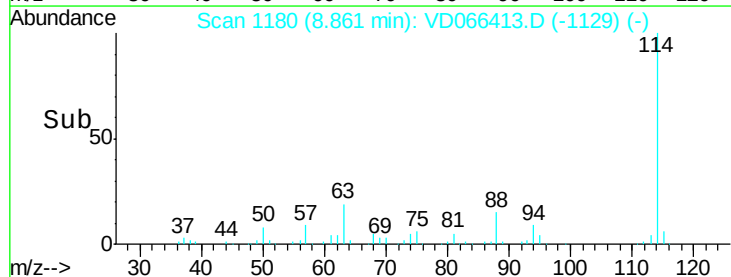
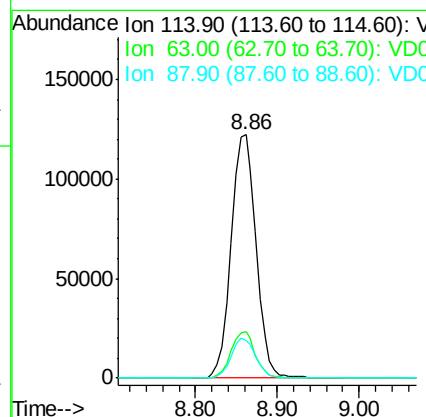
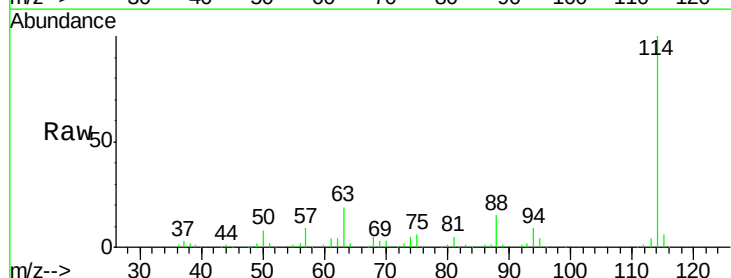
Manual Integrations
 APPROVED

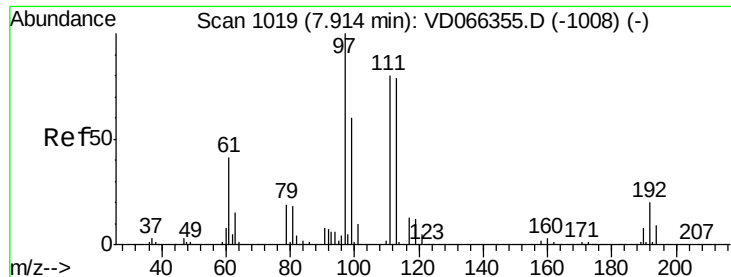
MMDadoda
 8/27/2020 3:08:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	259627		
63	19.3	0.0	40.8	
88	15.3	0.0	35.4	





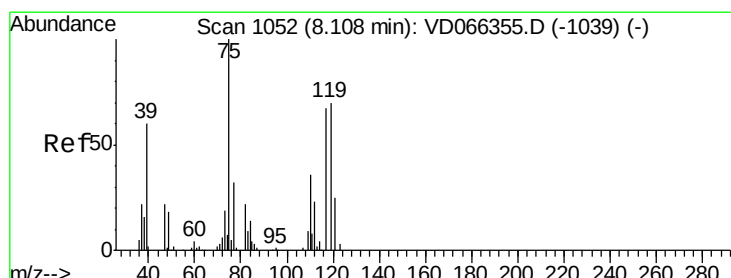
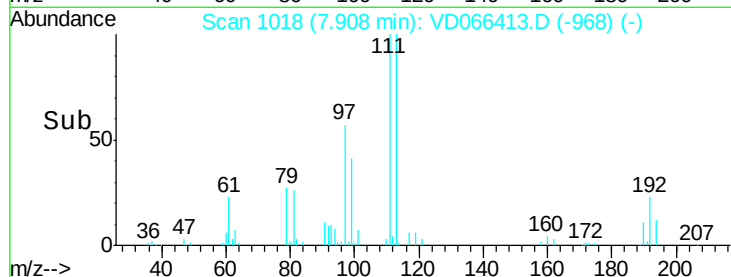
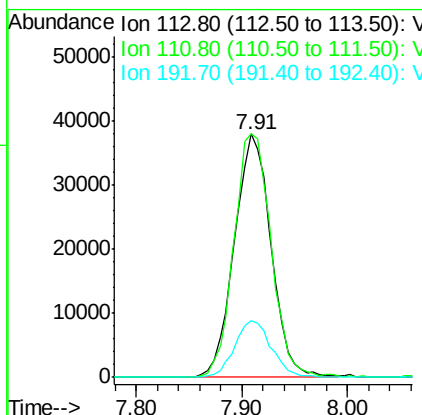
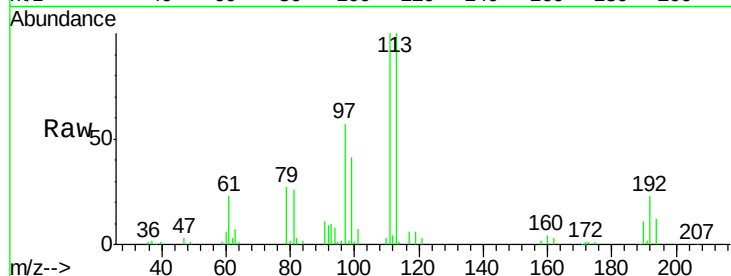
#35
Dibromofluoromethane
Concen: 56.206 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.3	120.5
192	23.1	19.0	28.6

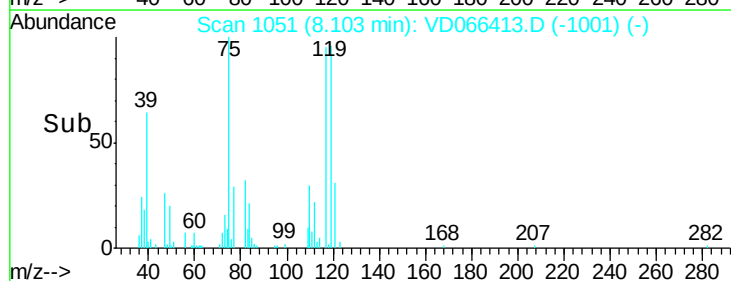
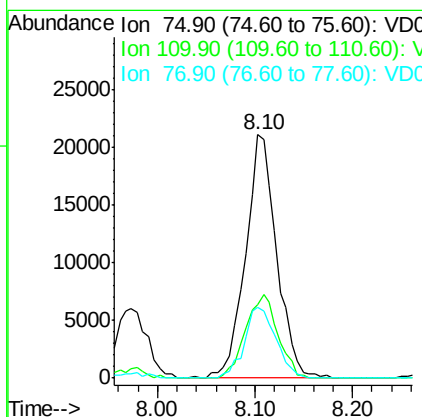
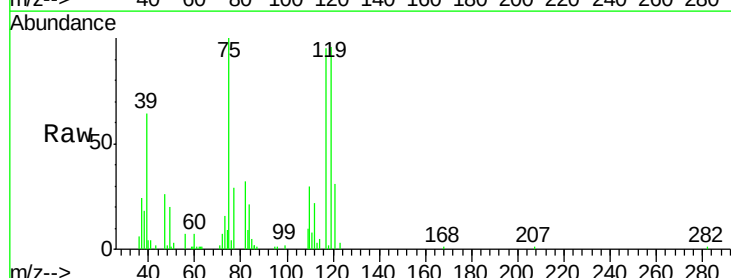
Manual Integrations
APPROVED

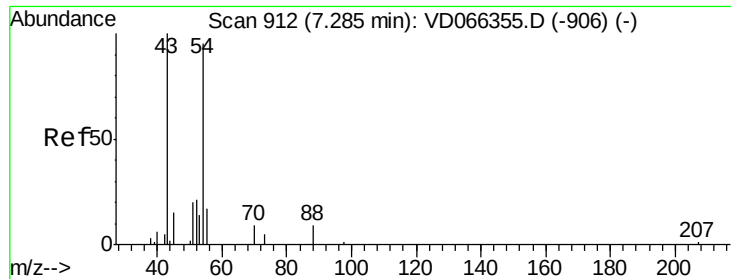
MMDadoda
8/27/2020 3:08:31 PM



#36
1,1-Dichloropropene
Concen: 19.924 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.7	56.1
77	29.3	25.2	37.8





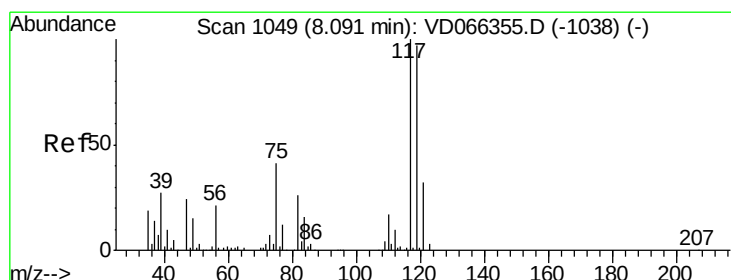
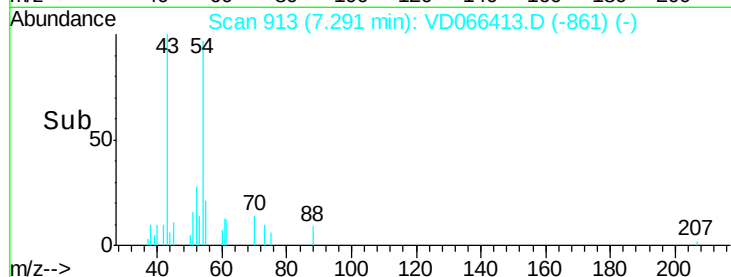
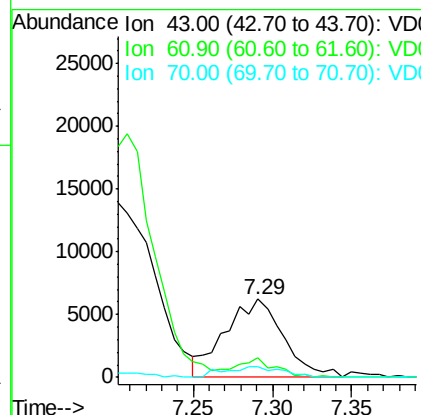
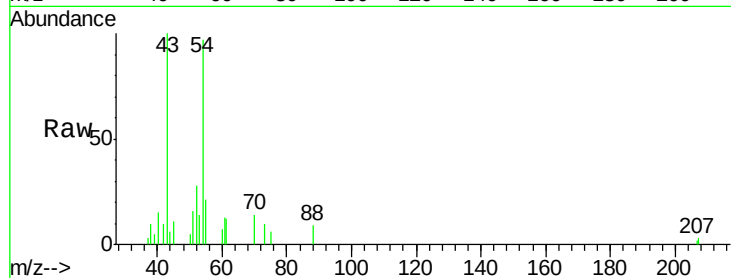
#37
Ethyl Acetate
Concen: 19.624 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	13.3	19.9
70	13.6	3.5	5.3

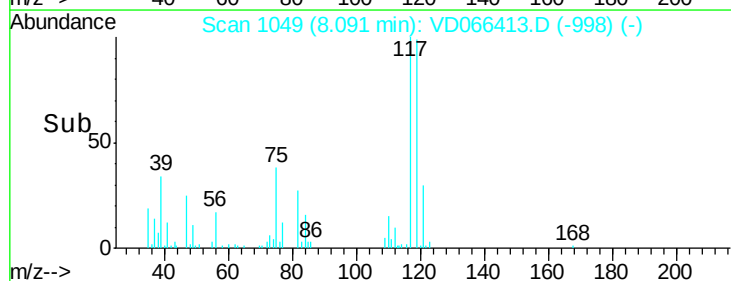
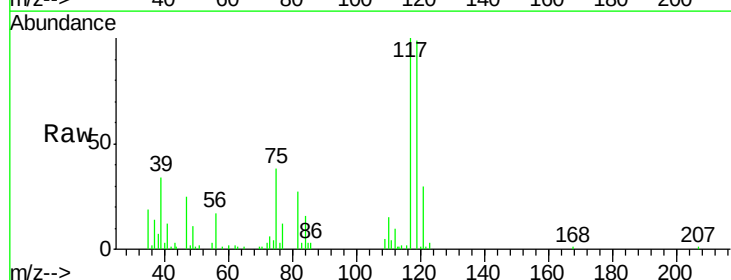
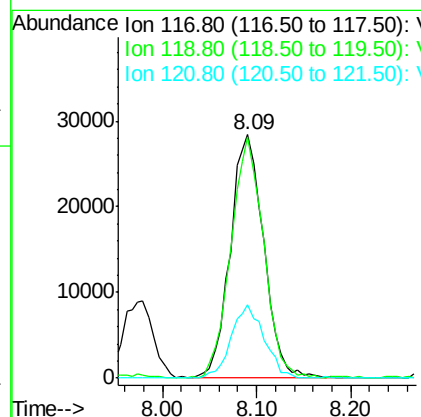
Manual Integrations
APPROVED

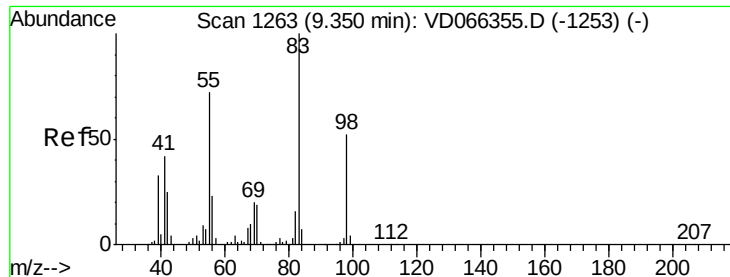
MMDadoda
8/27/2020 3:08:31 PM



#38
Carbon Tetrachloride
Concen: 22.742 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.2	115.8
121	30.3	25.8	38.8





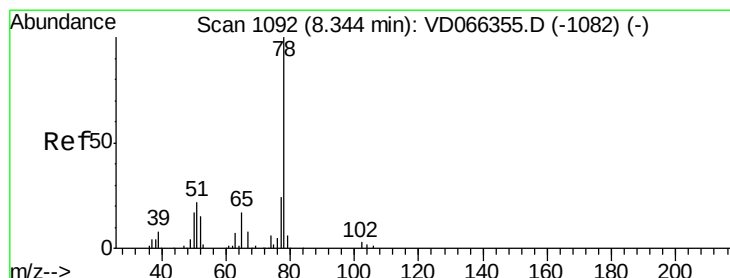
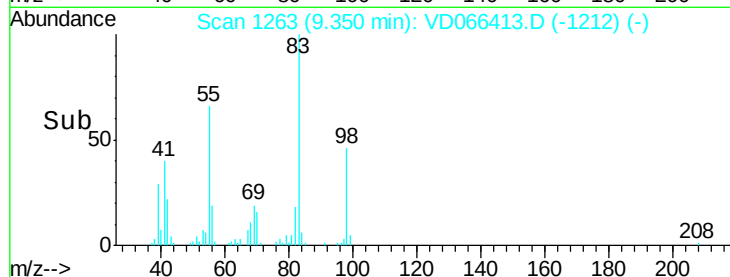
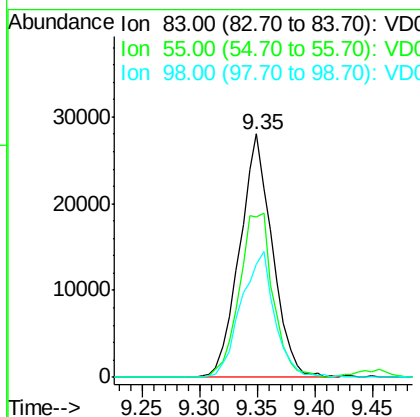
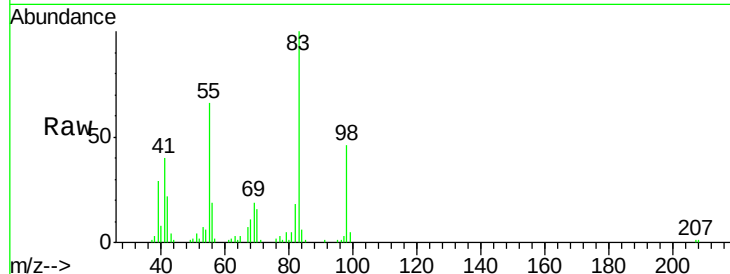
#39
Methylvlcyclohexane
Concen: 19.782 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.7	58.0	87.0
98	46.4	41.9	62.9

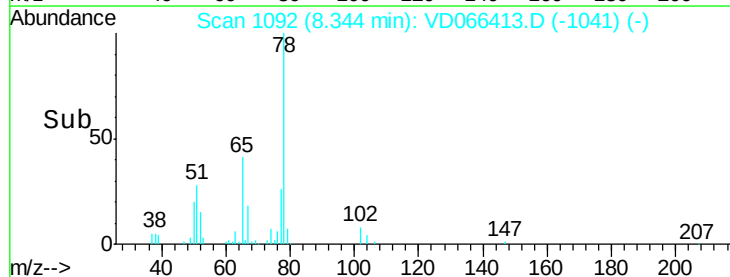
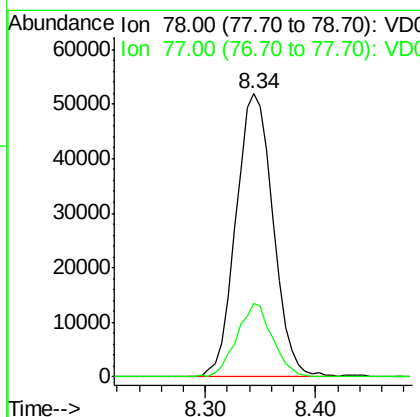
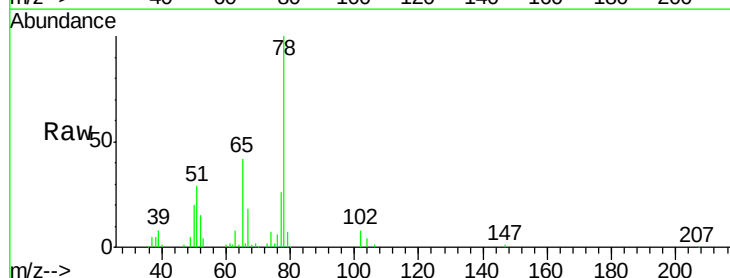
Manual Integrations
APPROVED

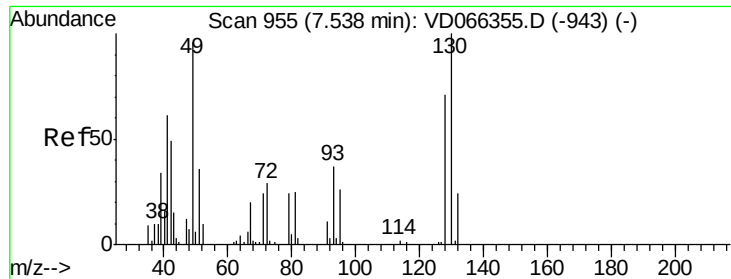
MMDadoda
8/27/2020 3:08:31 PM



#40
Benzene
Concen: 19.704 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.1	18.8	28.2





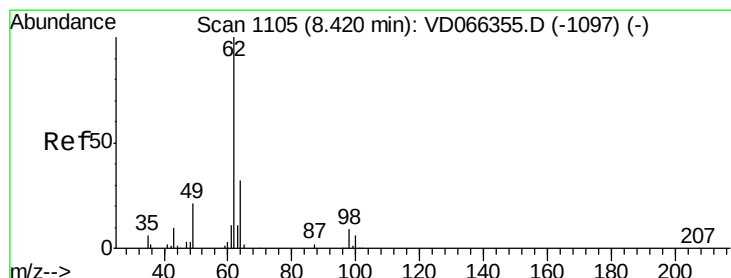
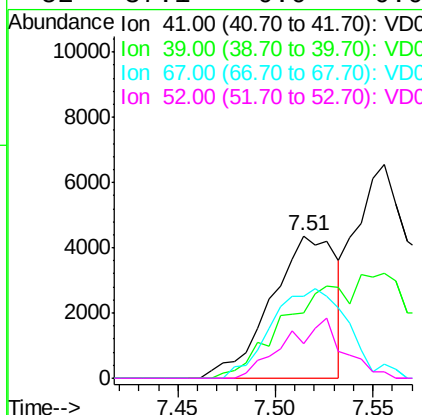
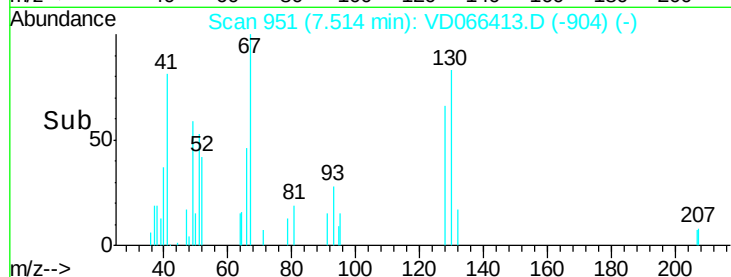
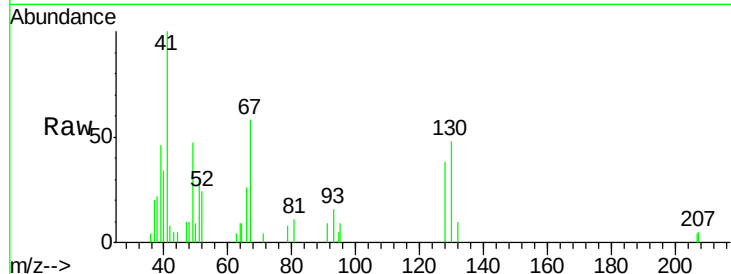
#41
Methacrylonitrile
Concen: 20.394 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.02 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.3	51.8	77.8
67	74.2	0.0	0.0#
52	37.1	0.0	0.0#

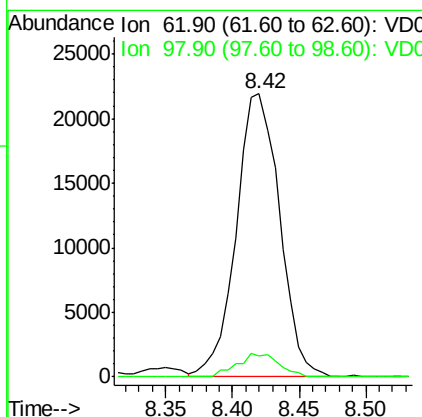
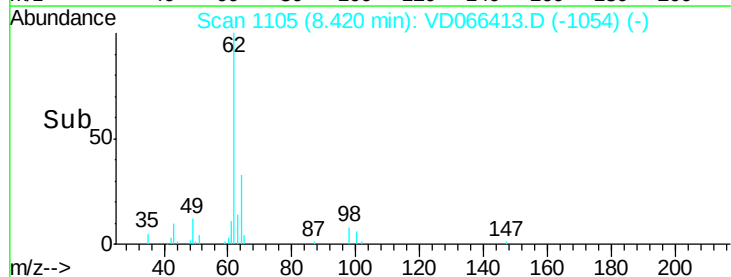
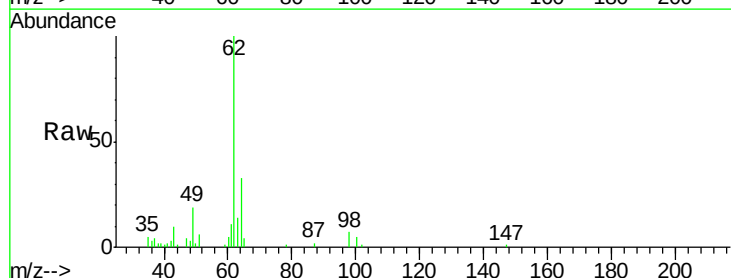
Manual Integrations
APPROVED

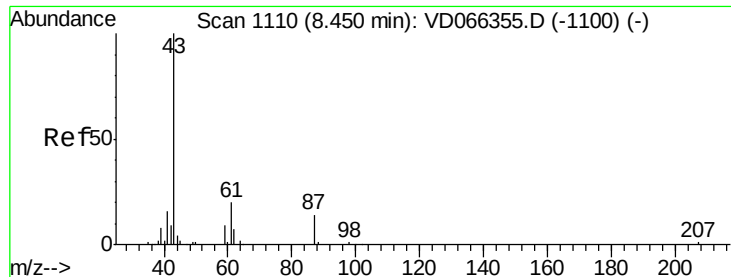
MMDadoda
8/27/2020 3:08:31 PM



#42
1,2-Dichloroethane
Concen: 22.521 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.485 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

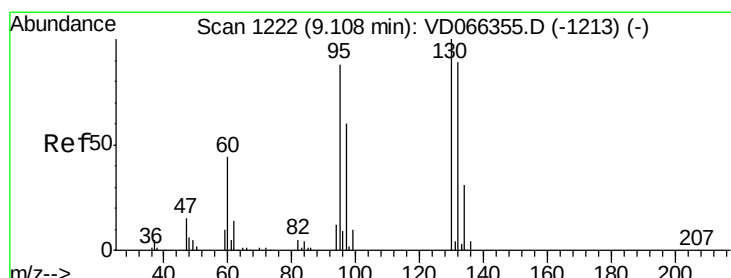
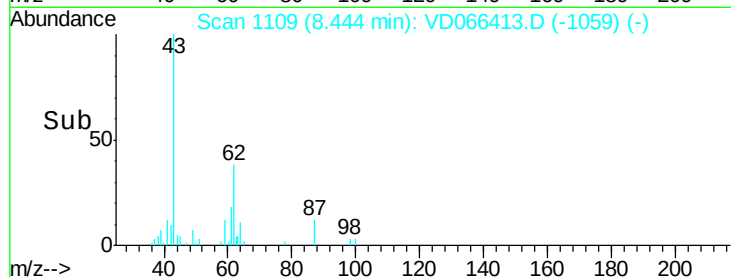
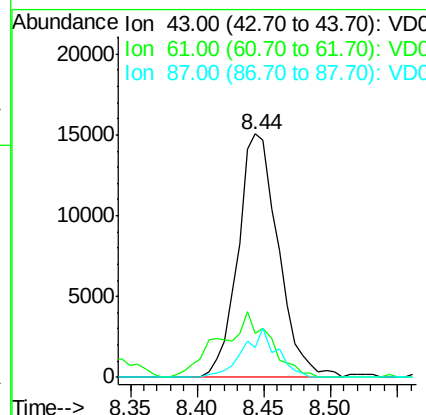
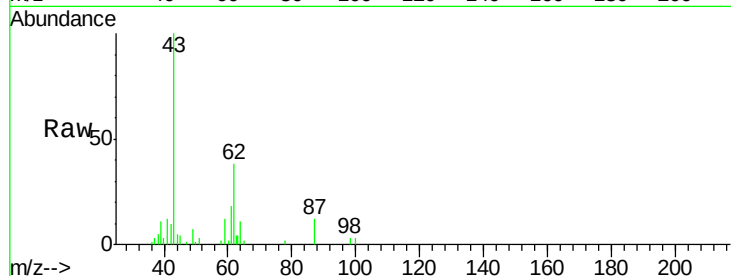
ClientSampleId :

VD0826SBS01

Tot Ion:	43	Resp:	31510
Ion	Ratio	Lower	Upper
43	100		
61	33.6	26.5	39.7
87	16.9	11.9	17.9

Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM



#44

Trichloroethene

Concen: 20.449 ug/l

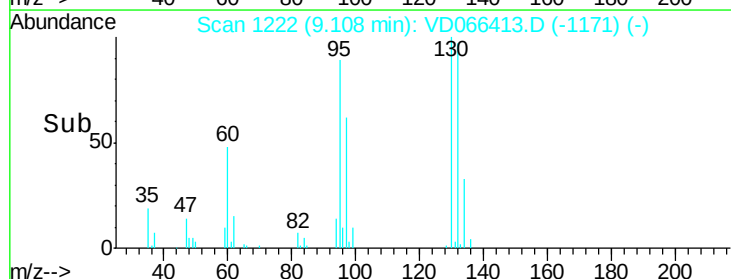
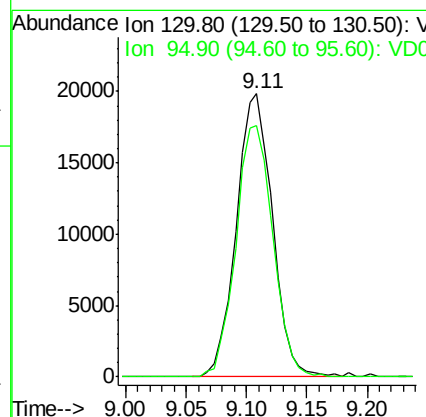
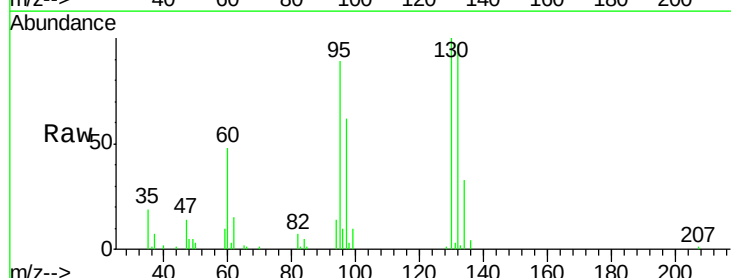
RT: 9.11 min Scan# 1222

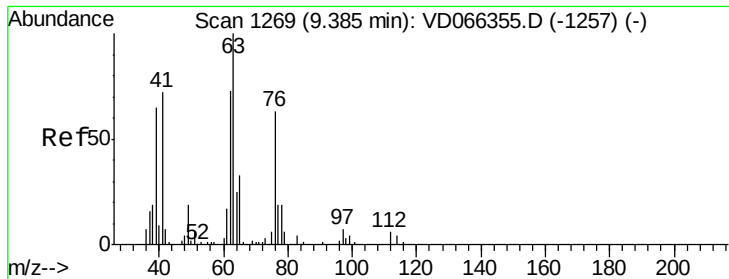
Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Tgt Ion:	130	Resp:	41408
Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	175.6





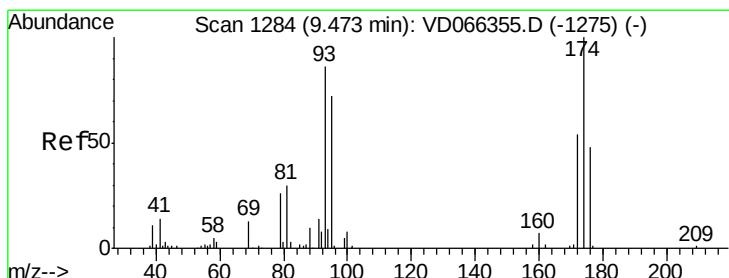
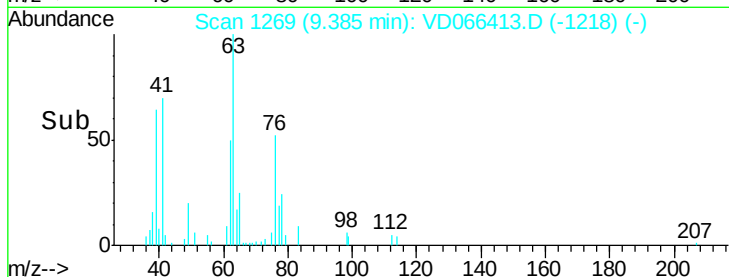
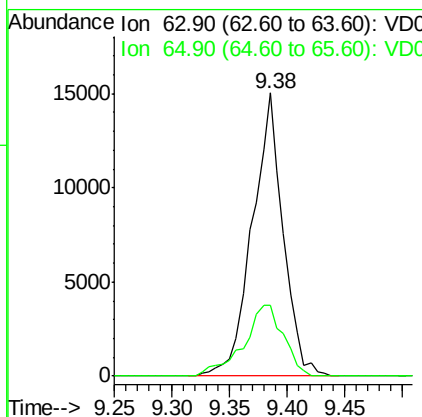
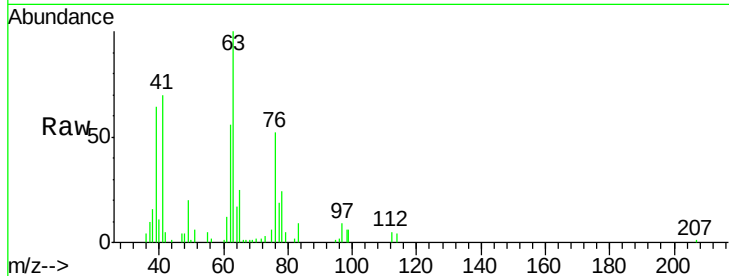
#45
 1,2-Dichloropropane
 Concen: 19.892 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tot Ion: 63 Resp: 28103
 Ion Ratio Lower Upper
 63 100
 65 24.9 26.4 39.6#

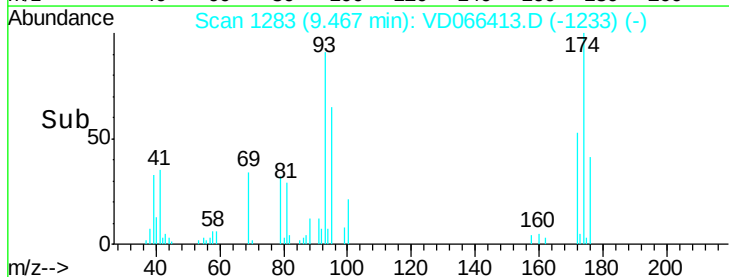
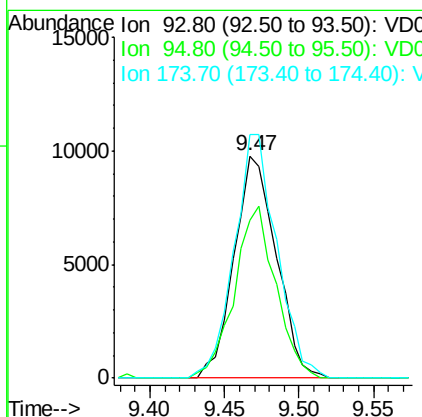
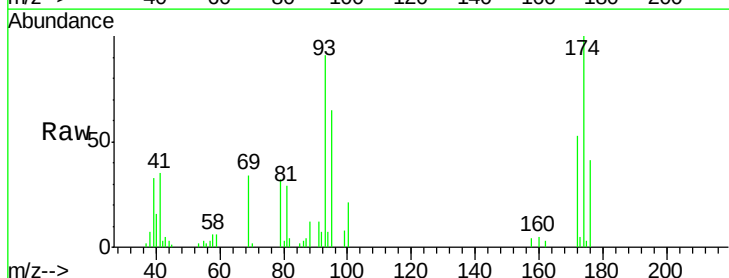
Manual Integrations
 APPROVED

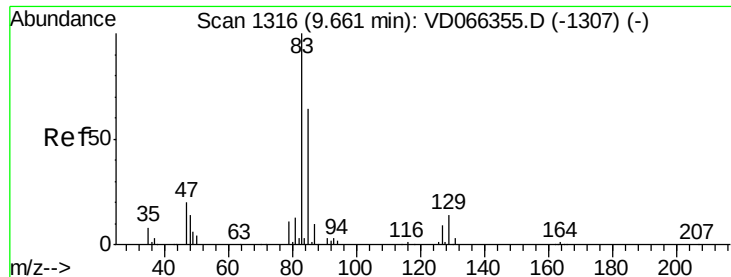
MMDadoda
 8/27/2020 3:08:31 PM



#46
 Dibromomethane
 Concen: 21.851 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion: 93 Resp: 19221
 Ion Ratio Lower Upper
 93 100
 95 75.7 66.0 99.0
 174 110.2 94.6 141.8





#47

Bromodichloromethane

Concen: 21.770 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

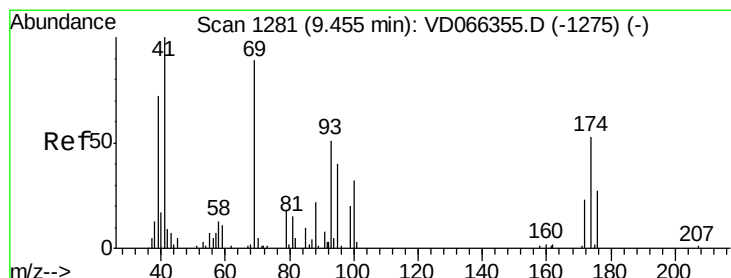
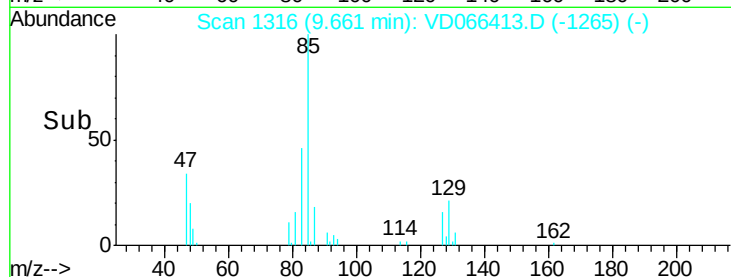
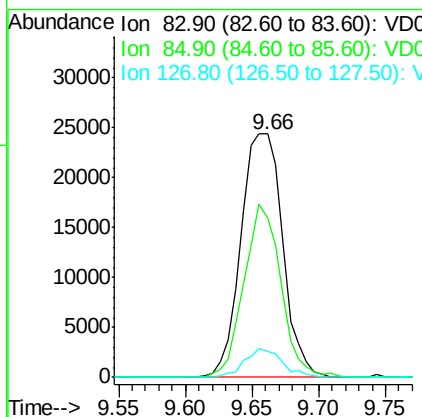
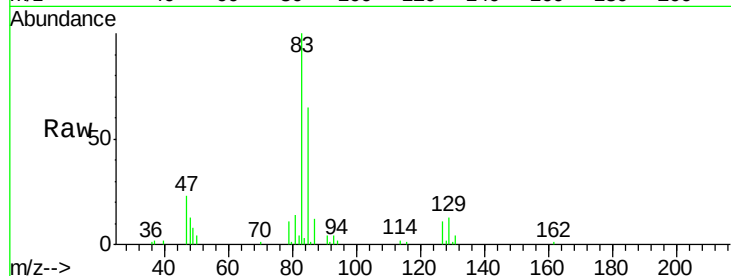
ClientSampleId :

VD0826SBS01

Tot Ion:	83	Resp:	52662
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.0
127	10.6	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM



#48

Methyl methacrylate

Concen: 19.065 ug/l

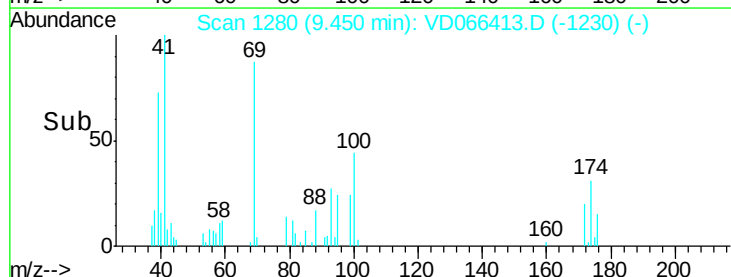
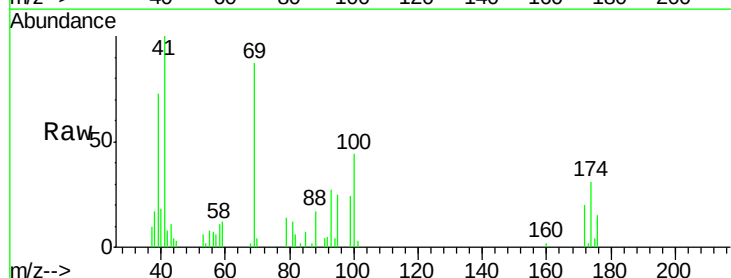
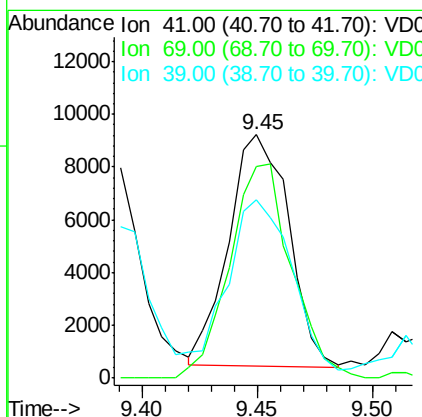
RT: 9.45 min Scan# 1280

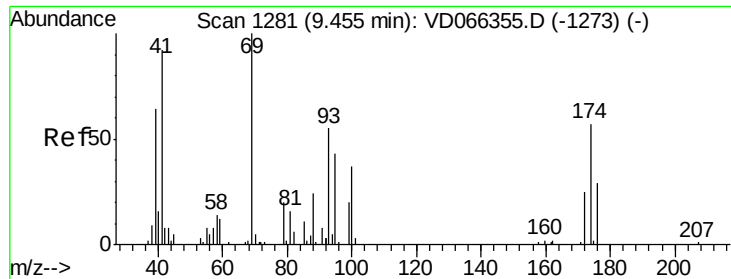
Delta R.T. -0.01 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Tgt Ion:	41	Resp:	15899
Ion	Ratio	Lower	Upper
41	100		
69	95.3	75.5	113.3
39	76.7	57.0	85.4





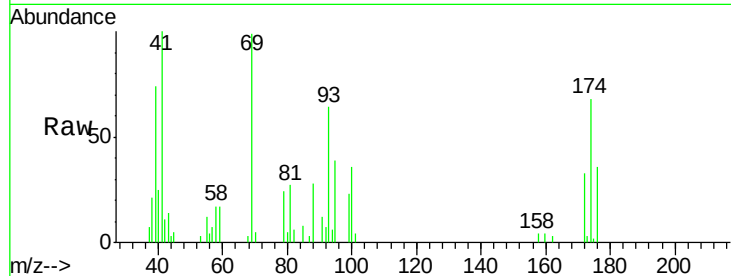
#49
1,4-Dioxane
Concen: 396.806 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

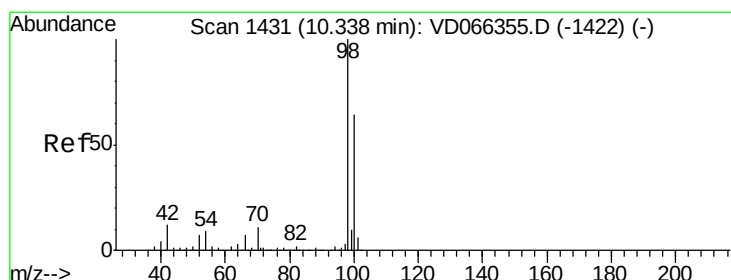
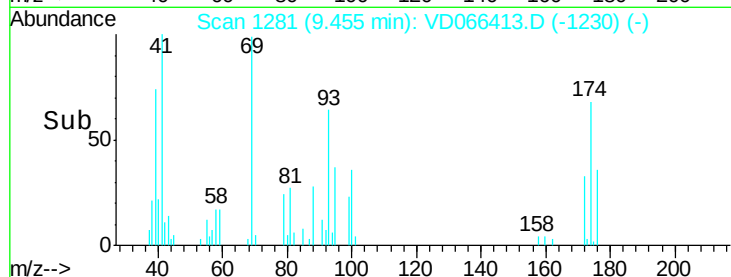
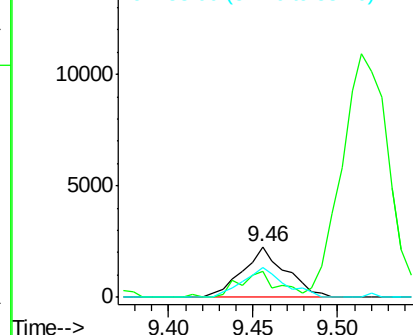
Tot Ion	Ratio	Lower	Upper
88	100		
43	45.6	29.4	44.0#
58	56.3	45.4	68.2

Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM

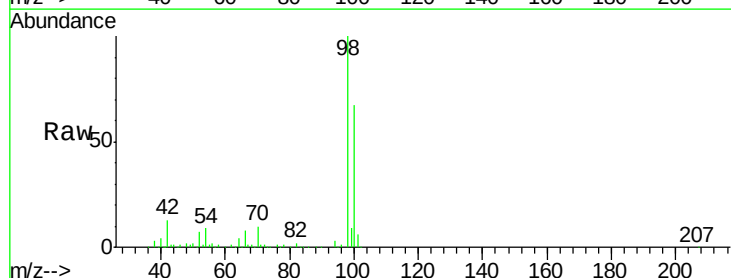


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

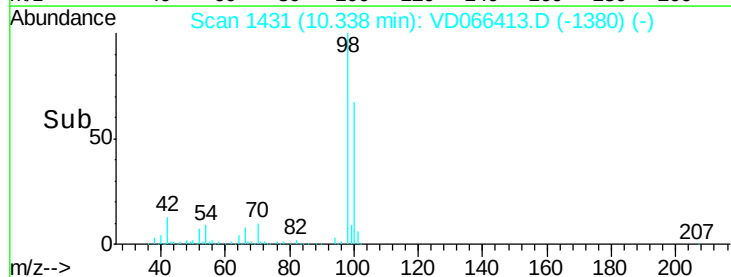
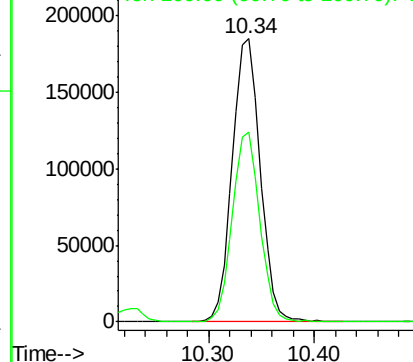


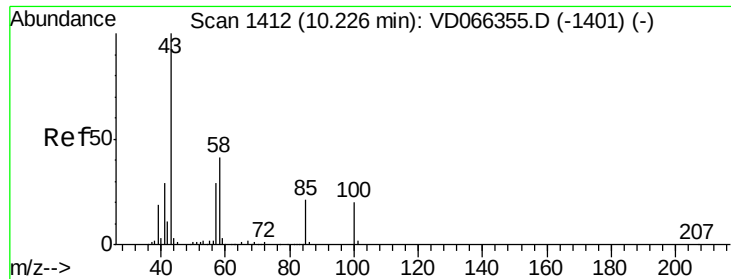
#50
Toluene-d8
Concen: 57.139 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





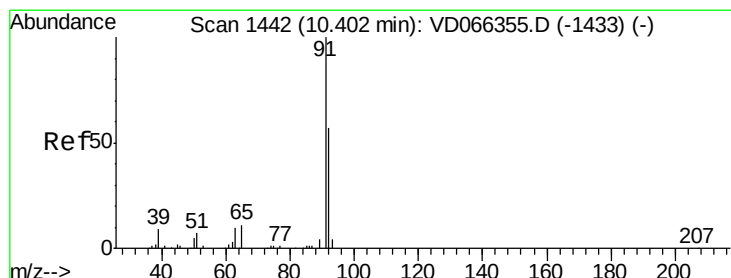
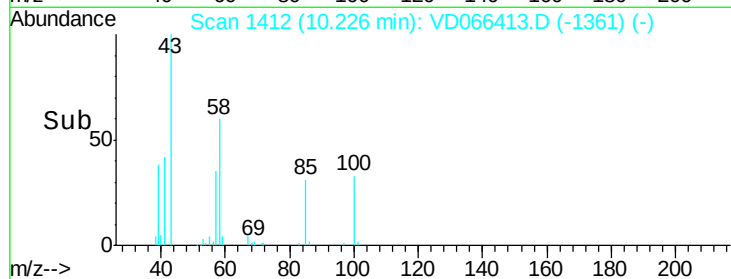
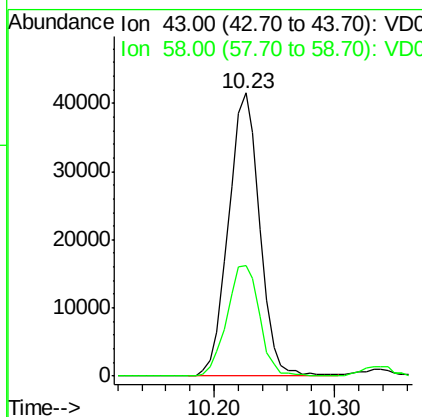
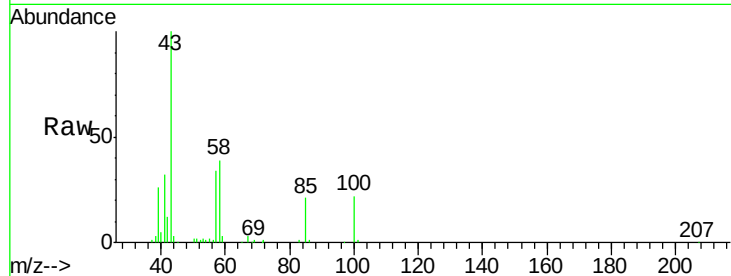
#51
 4-Methyl-2-Pentanone
 Concen: 95.621 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tot Ion: 43 Resp: 74807
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.4 47.2

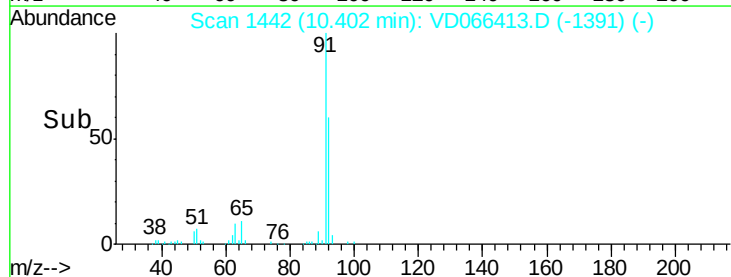
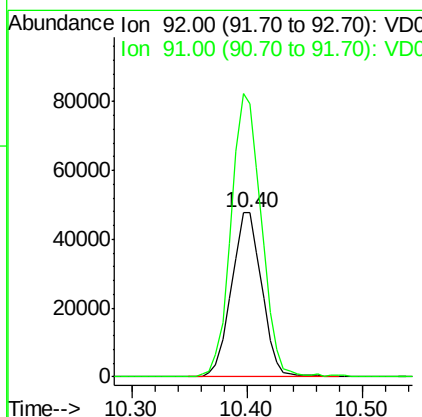
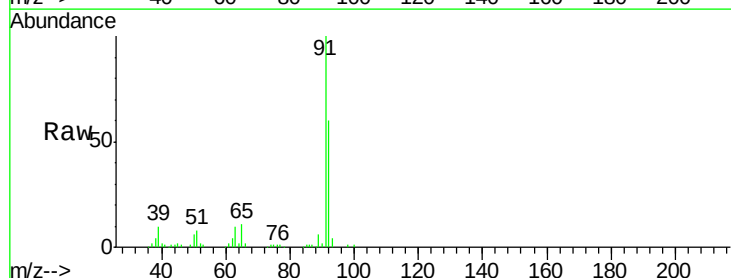
Manual Integrations
 APPROVED

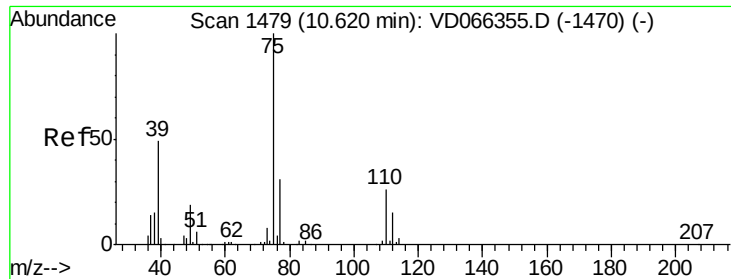
MMDadoda
 8/27/2020 3:08:31 PM



#52
 Toluene
 Concen: 20.620 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion: 92 Resp: 87060
 Ion Ratio Lower Upper
 92 100
 91 171.9 135.8 203.6





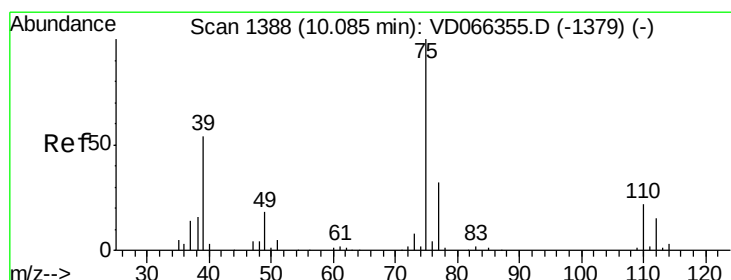
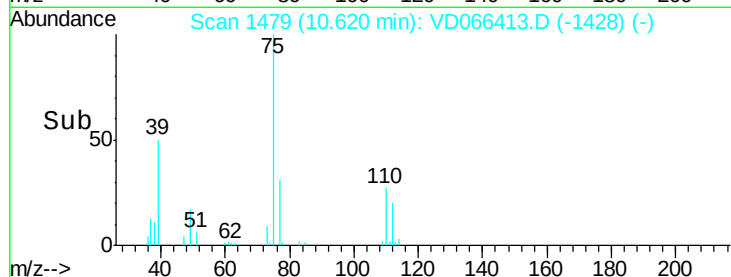
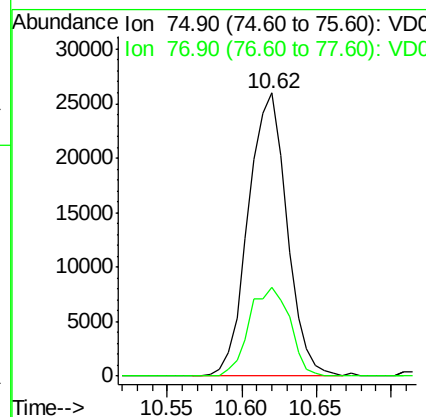
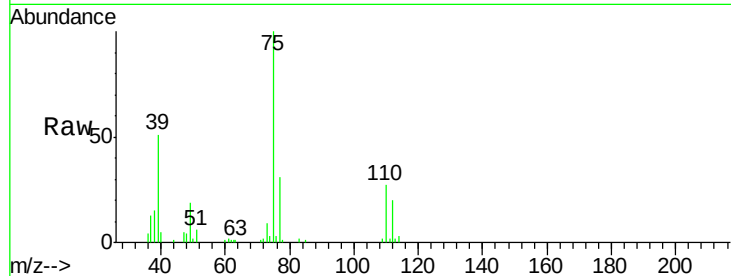
#53
 t-1,3-Dichloropropene
 Concen: 20.308 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.5	36.7

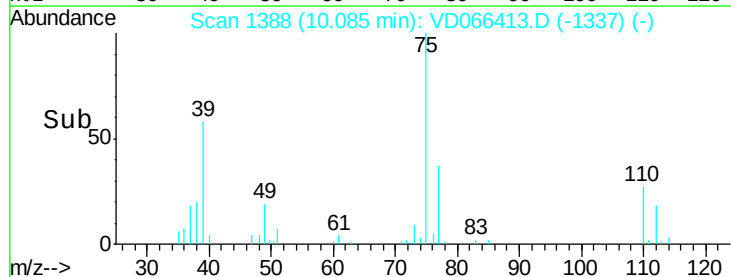
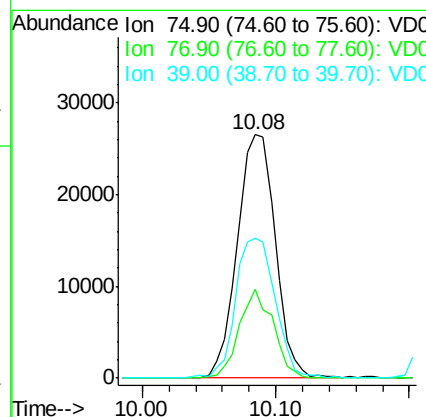
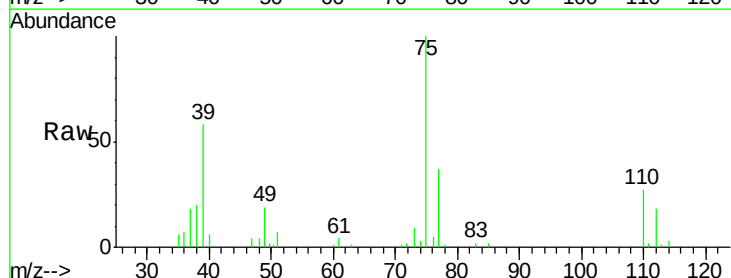
Manual Integrations
 APPROVED

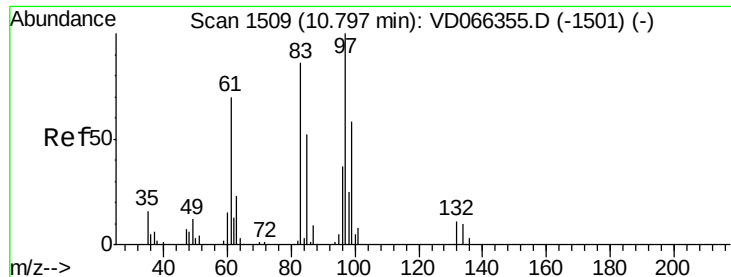
MMDadoda
 8/27/2020 3:08:31 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.352 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	36.6	25.6	38.4
39	57.6	43.4	65.0





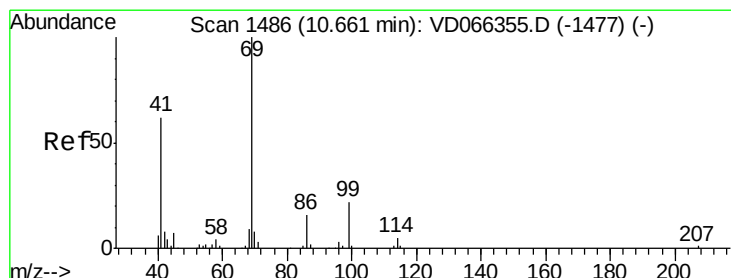
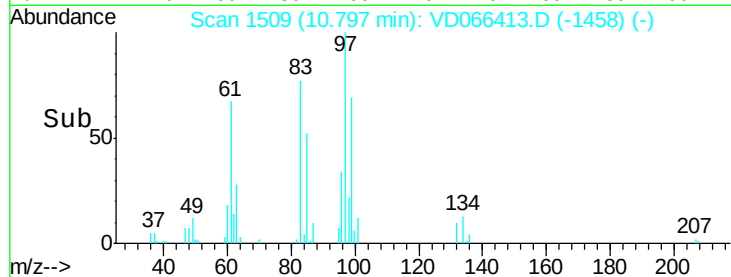
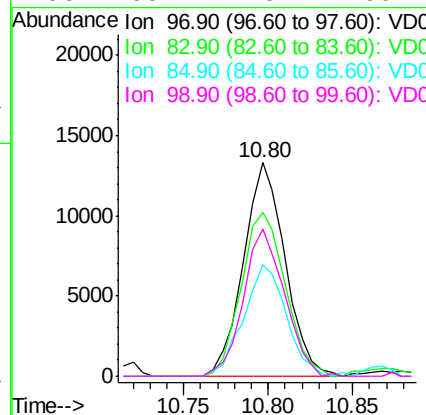
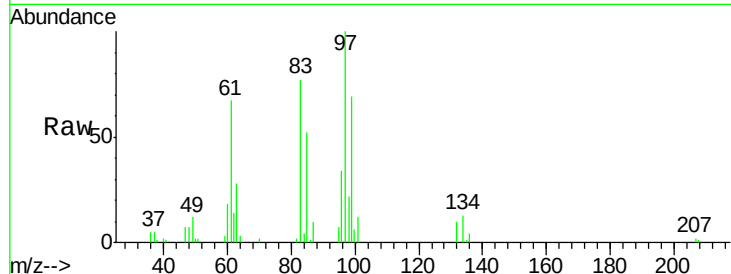
#55
 1,1,2-Trichloroethane
 Concen: 19.210 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	76.8	68.4	102.6	
85	52.1	41.3	61.9	
99	69.2	46.1	69.1#	

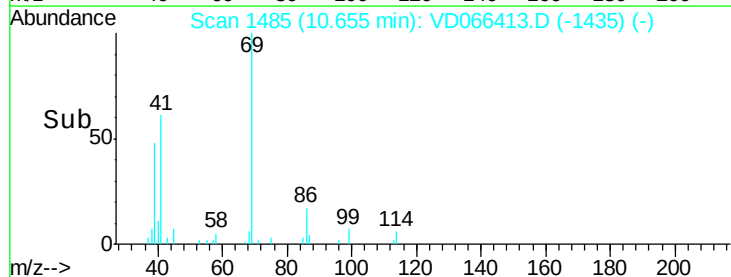
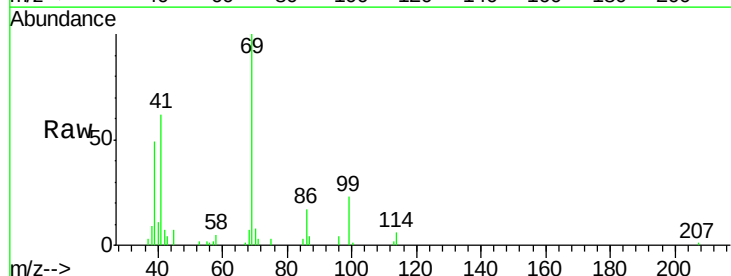
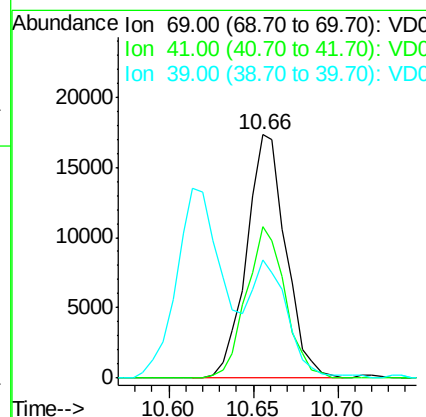
Manual Integrations
 APPROVED

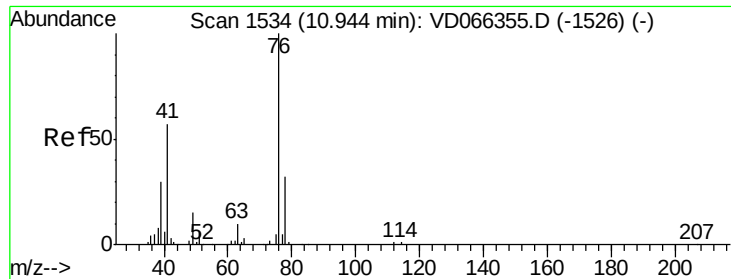
MMDadoda
 8/27/2020 3:08:31 PM



#56
 Ethyl methacrylate
 Concen: 20.327 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	61.7	50.8	76.2	
39	44.0	32.9	49.3	





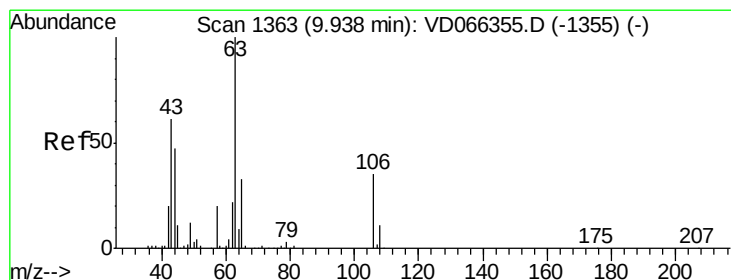
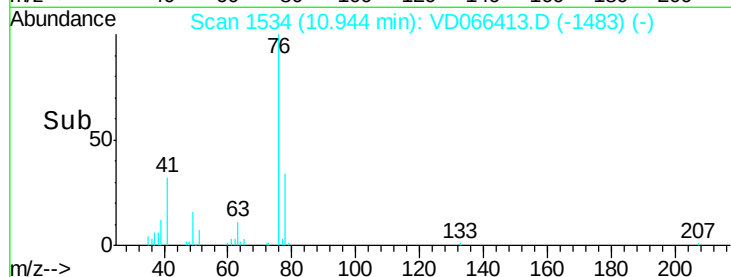
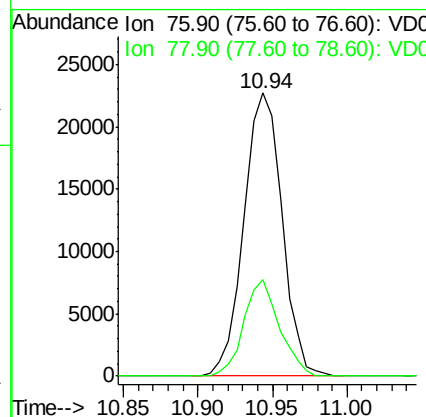
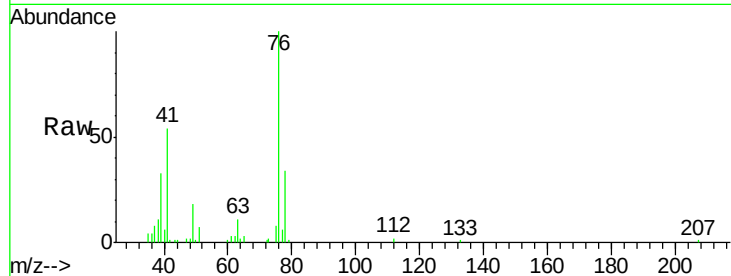
#57
 1,3-Dichloropropane
 Concen: 20.398 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.6	38.4

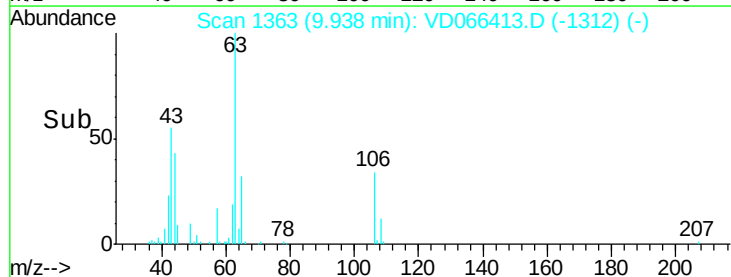
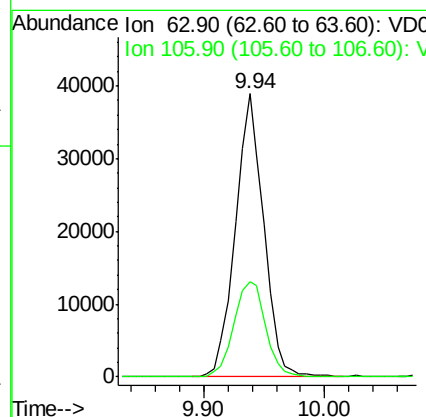
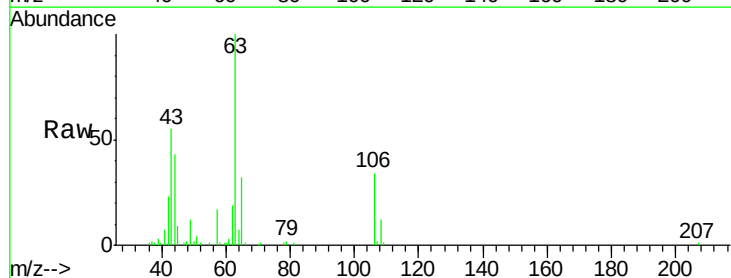
Manual Integrations
 APPROVED

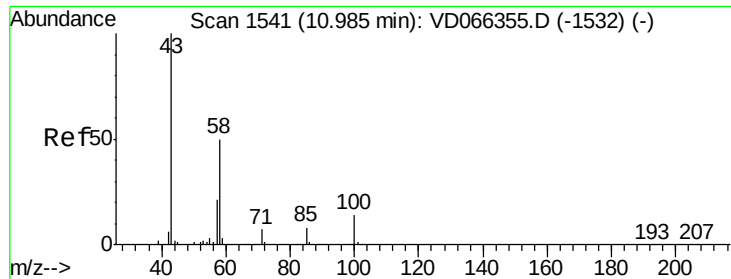
MMDadoda
 8/27/2020 3:08:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.985 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	37.4	27.1	40.7





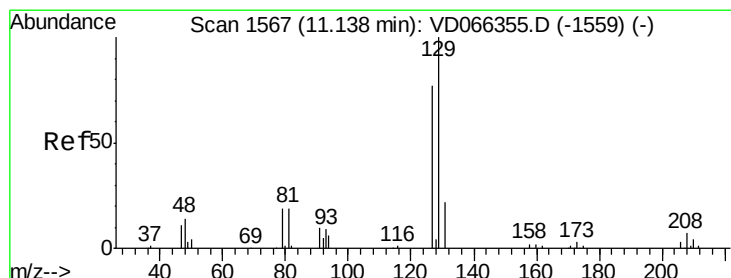
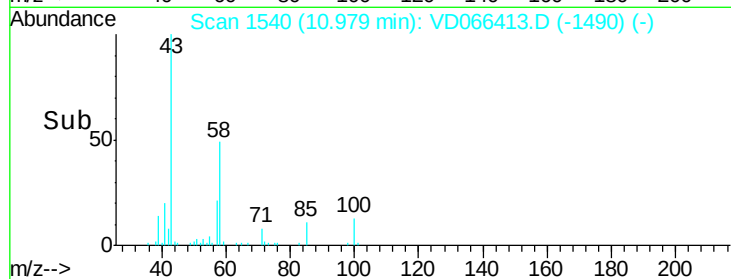
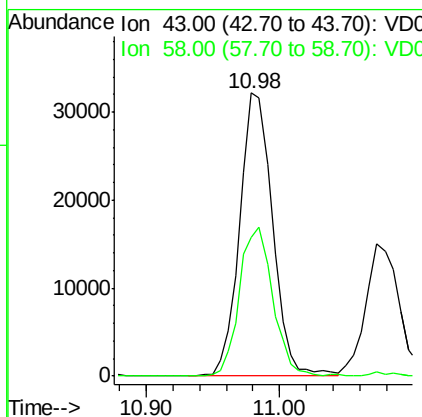
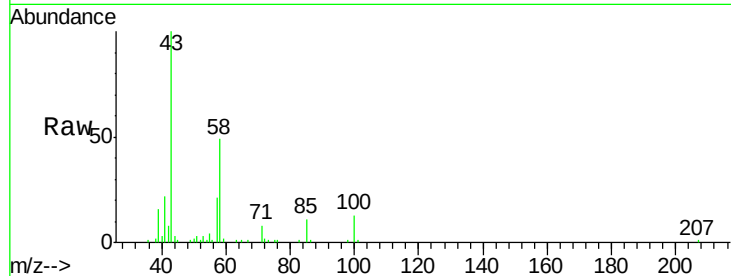
#59
2-Hexanone
Concen: 99.577 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	43	Resp	54949
Ion Ratio	100	Lower	Upper
43	100		
58	52.9	26.3	78.8

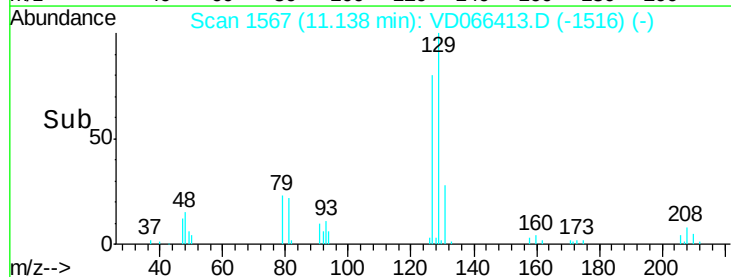
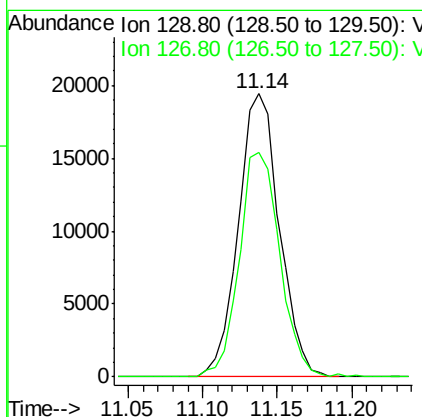
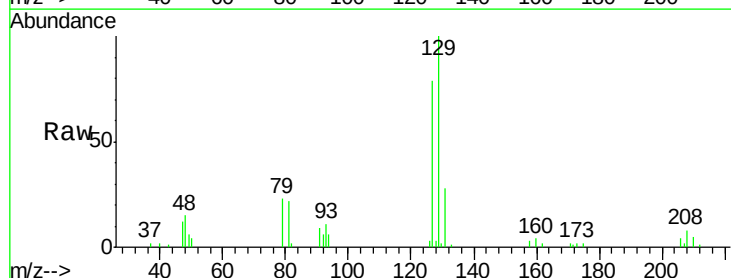
Manual Integrations
APPROVED

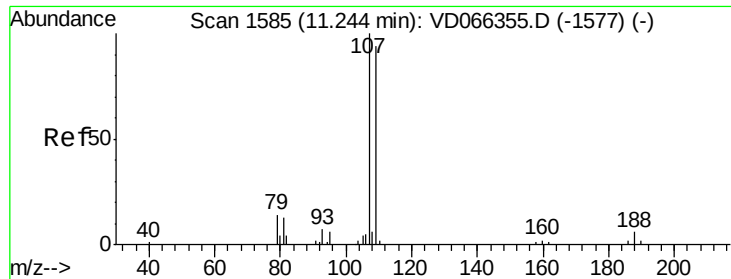
MMDadoda
8/27/2020 3:08:31 PM



#60
Dibromochloromethane
Concen: 20.617 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	129	Resp	37007
Ion Ratio	100	Lower	Upper
129	100		
127	78.0	39.0	117.0





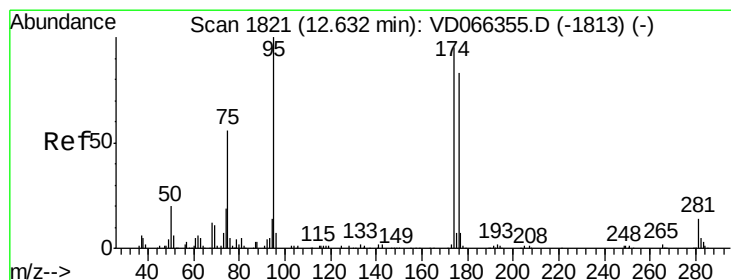
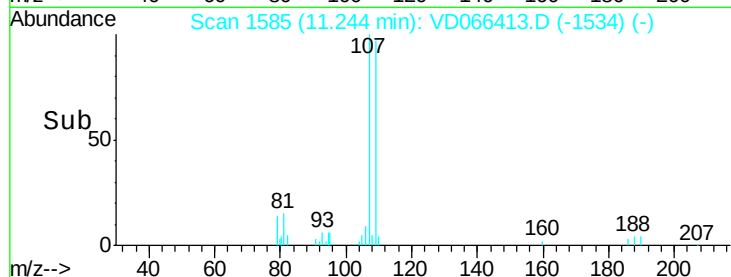
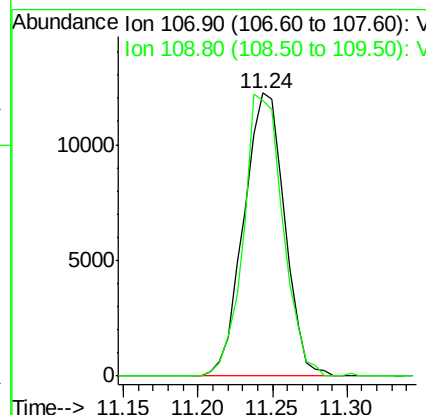
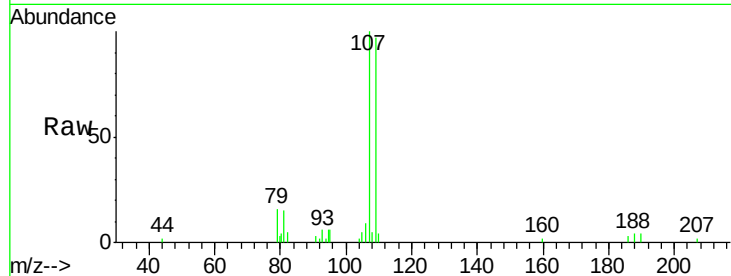
#61
 1,2-Dibromoethane
 Concen: 19.728 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	77.8	116.8

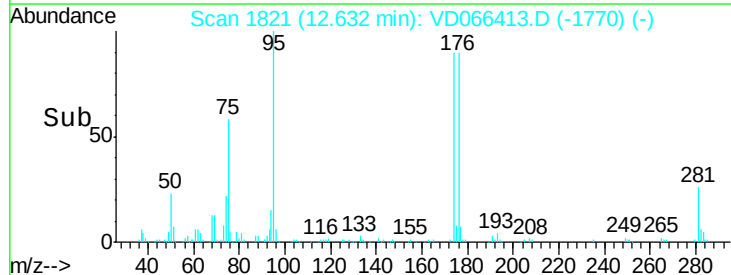
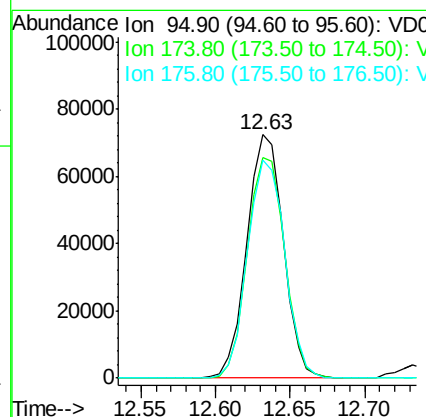
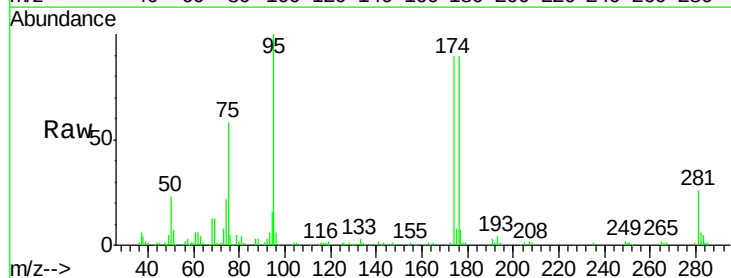
Manual Integrations
 APPROVED

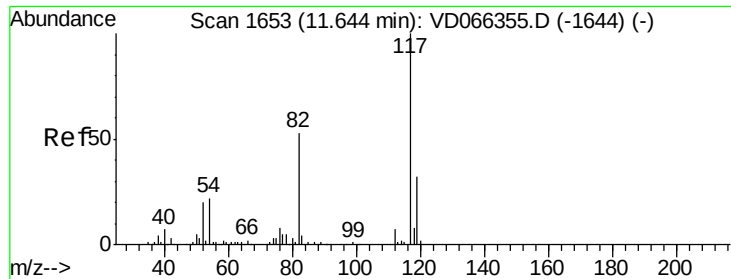
MMDadoda
 8/27/2020 3:08:31 PM



#62
 4-Bromofluorobenzene
 Concen: 57.943 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	183.4
176	92.0	0.0	173.8





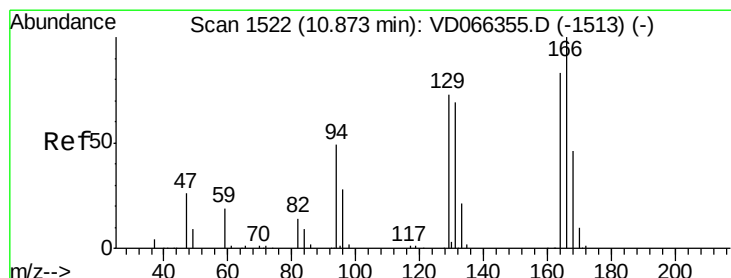
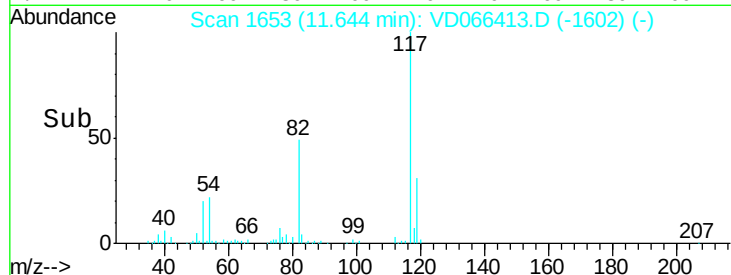
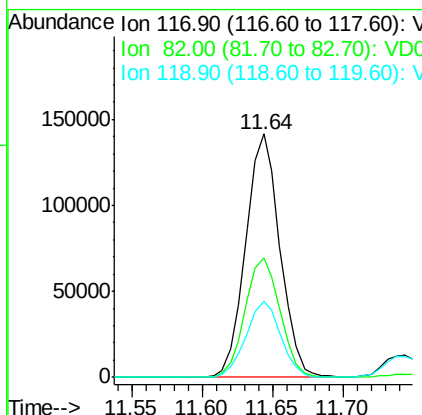
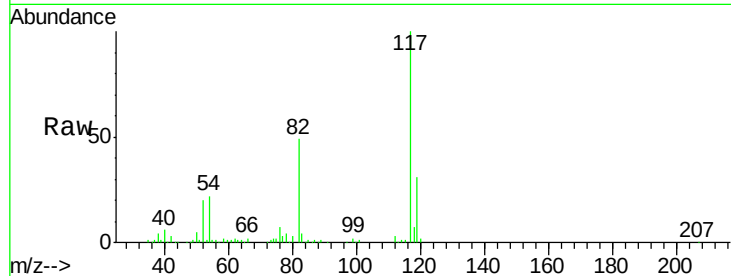
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	241077		
82	49.1		42.8	64.2
119	31.3		25.8	38.8

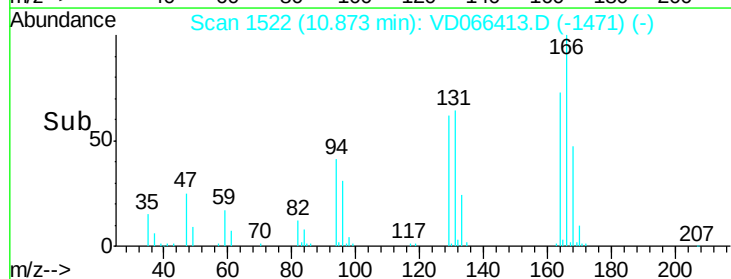
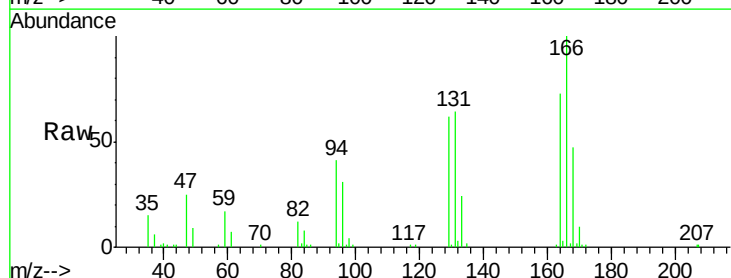
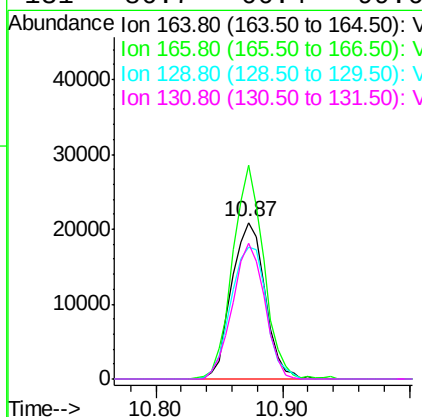
Manual Integrations
APPROVED

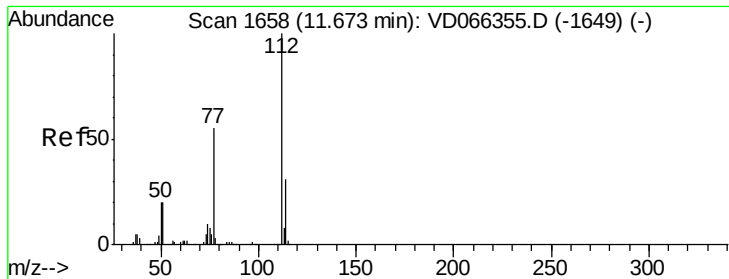
MMDadoda
8/27/2020 3:08:31 PM



#64
Tetrachloroethene
Concen: 20.861 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38150		
166	136.3		96.2	144.4
129	84.0		70.3	105.5
131	86.7		66.4	99.6





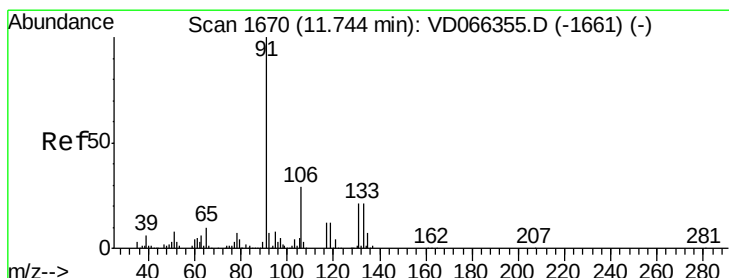
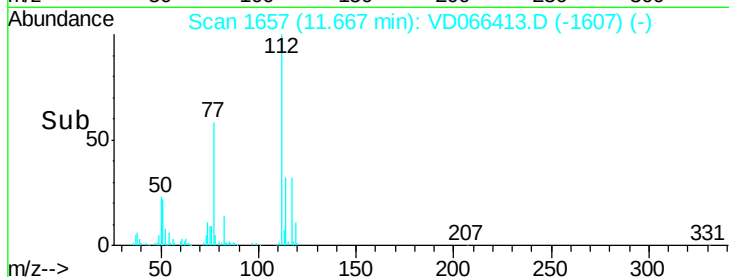
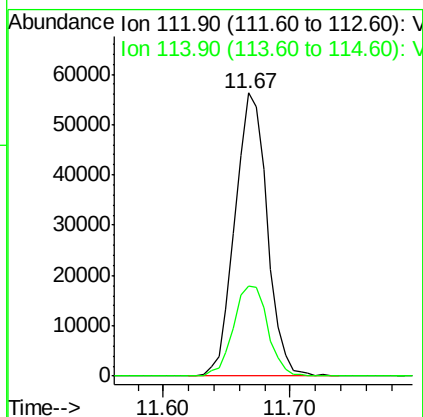
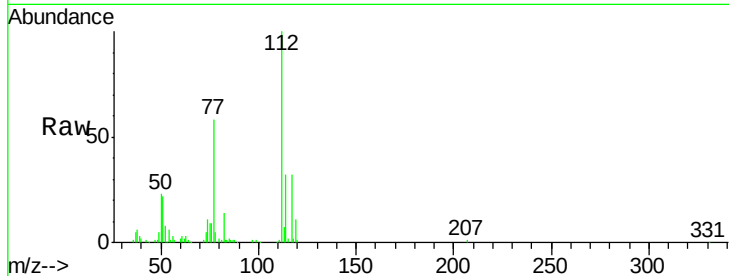
#65
Chlorobenzene
Concen: 20.635 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7

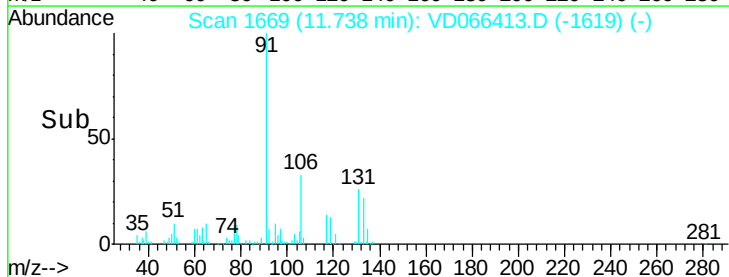
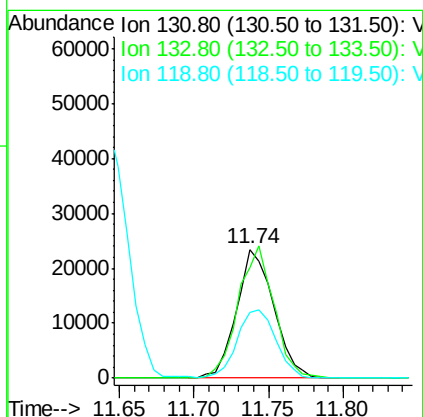
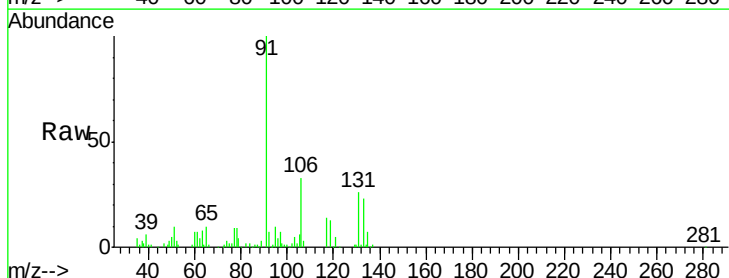
Manual Integrations
APPROVED

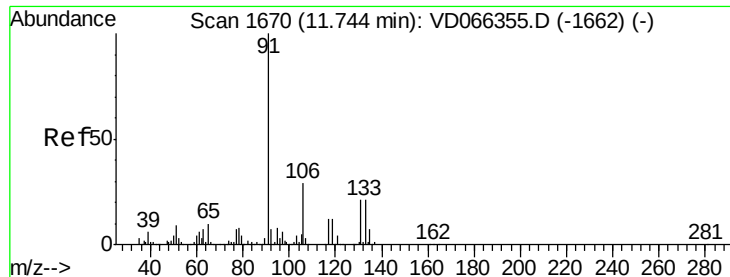
MMDadoda
8/27/2020 3:08:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.654 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.6	145.9
119	55.7	29.0	87.1





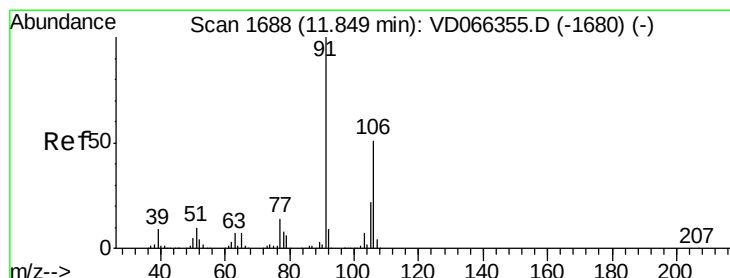
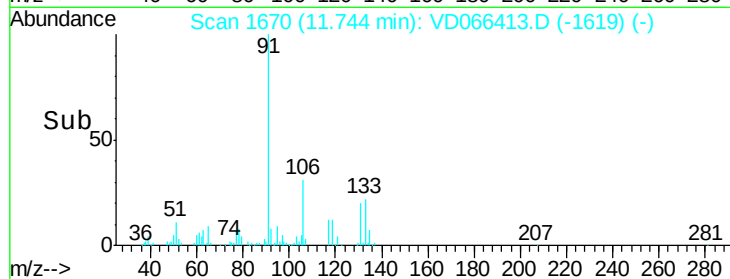
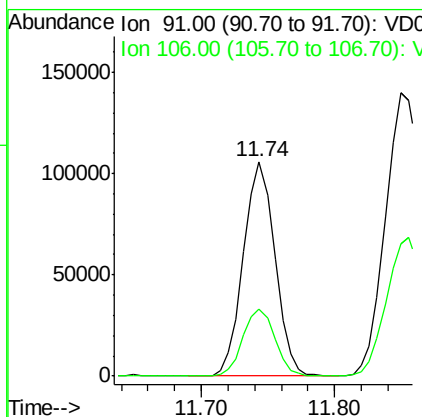
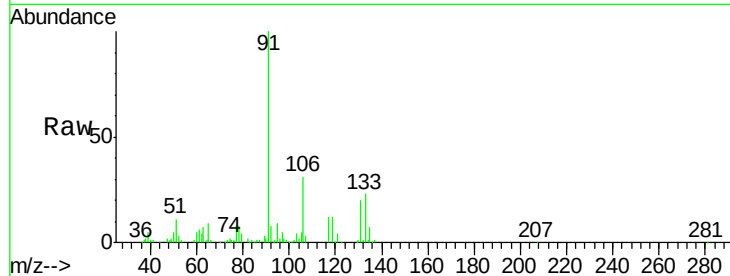
#67
Ethyl Benzene
Concen: 20.594 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	91	Resp	173868
Ion Ratio	100	Lower	Upper
106	31.3	23.4	35.2

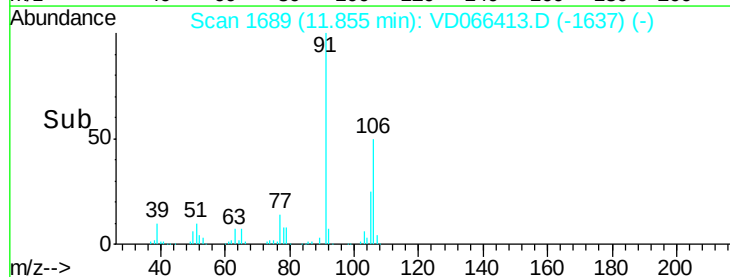
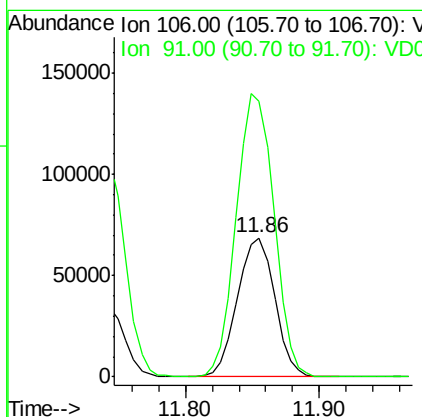
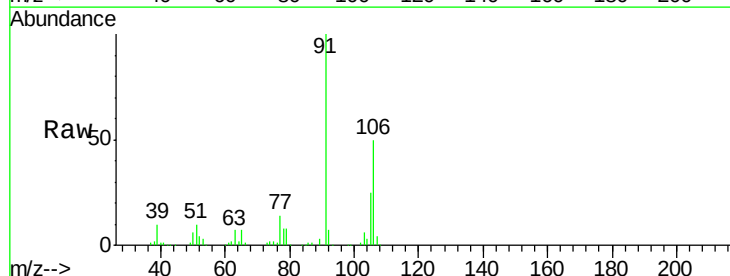
Manual Integrations
APPROVED

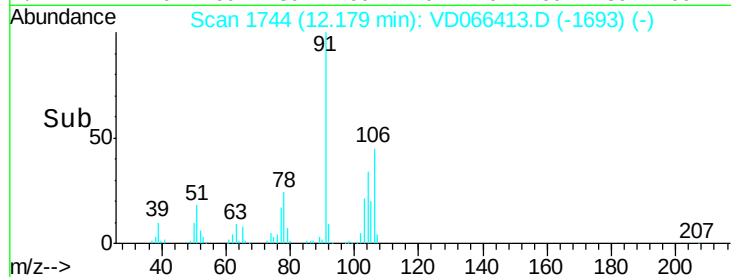
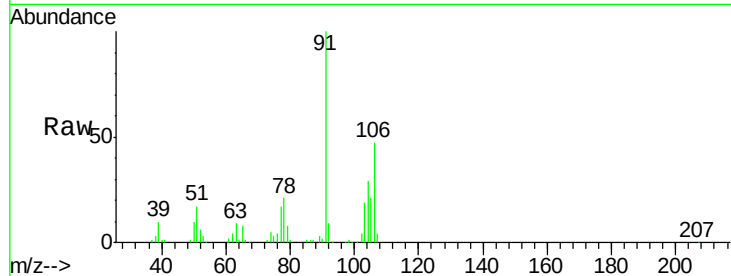
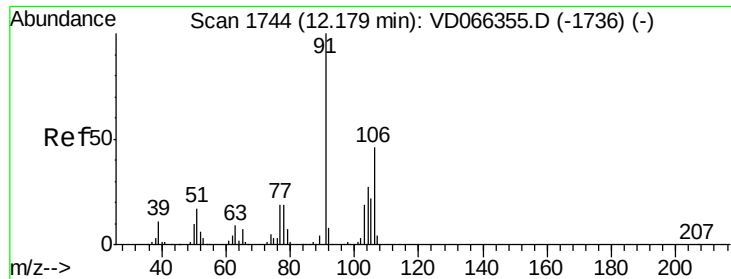
MMDadoda
8/27/2020 3:08:31 PM



#68
m/p-Xylenes
Concen: 41.403 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	106	Resp	133233
Ion Ratio	100	Lower	Upper
91	205.9	160.7	241.1





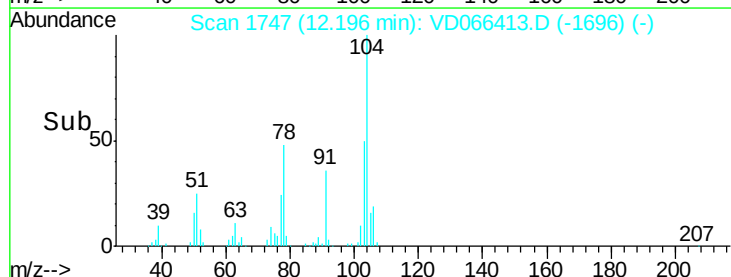
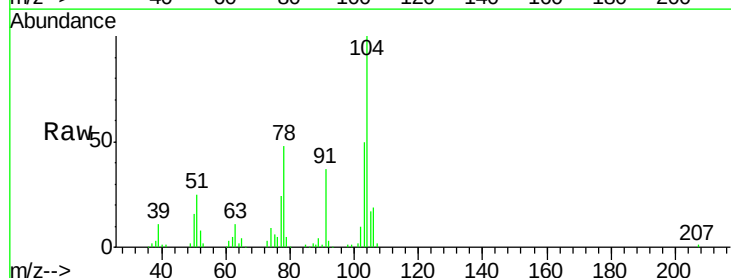
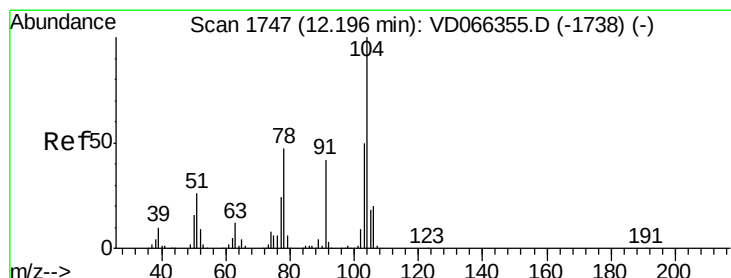
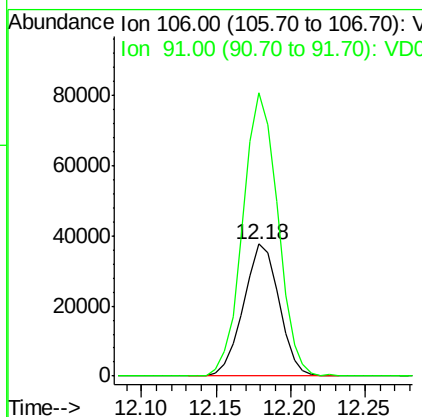
#69
o-Xylene
Concen: 20.774 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	62189		
91	91	211.2	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

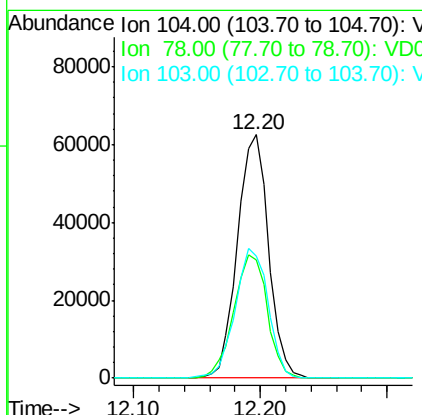
Manual Integrations
APPROVED

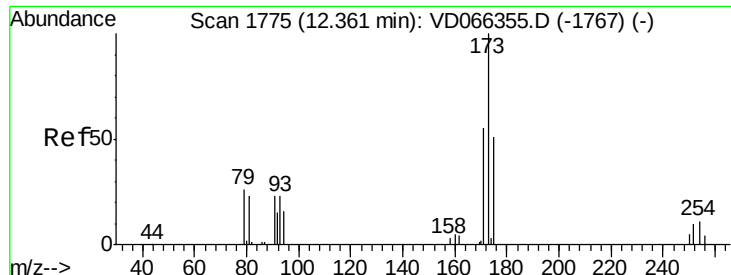
MMDadoda
8/27/2020 3:08:31 PM



#70
Styrene
Concen: 20.721 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	106509		
78	78	54.5	41.7	62.5	
103	103	56.3	43.5	65.3	





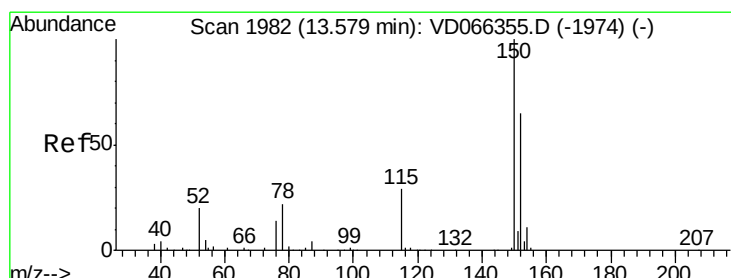
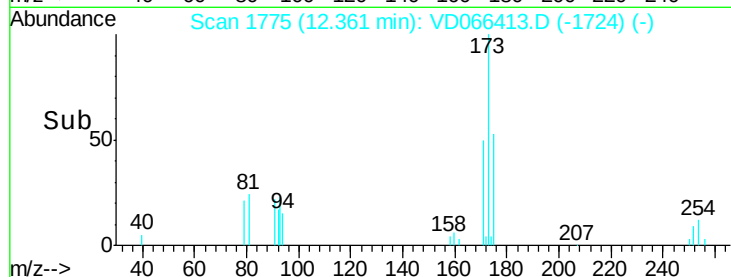
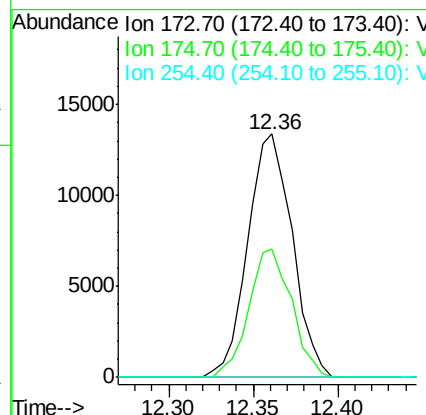
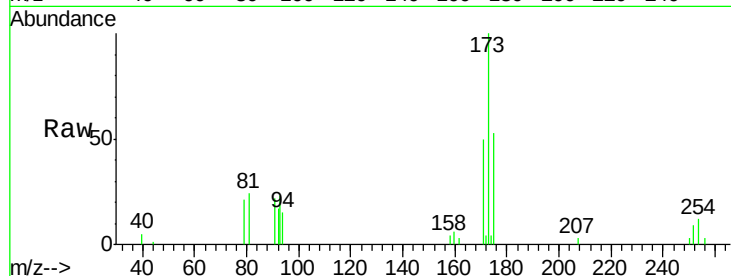
#71
Bromoform
Concen: 21.965 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.8	74.3
254	0.0	0.0	0.0

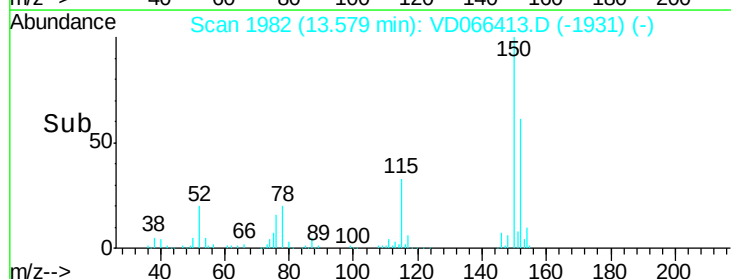
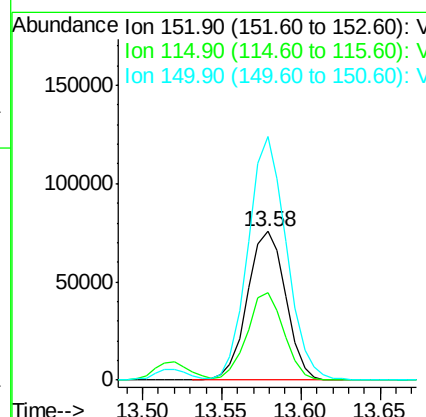
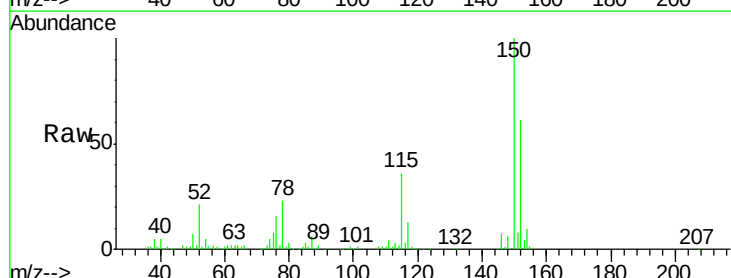
Manual Integrations
APPROVED

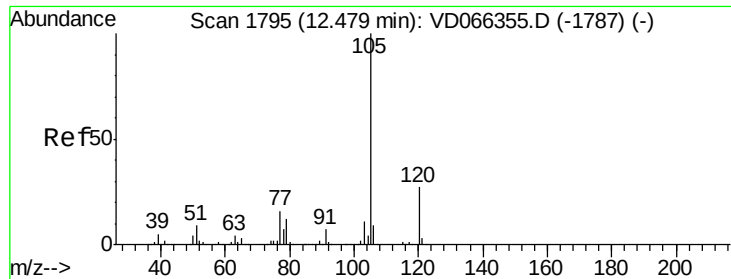
MMDadoda
8/27/2020 3:08:31 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.3	85.0
150	164.4	0.0	343.2





#73

Isopropylbenzene

Concen: 20.848 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBS01

Tot Ion: 105 Resp: 177281

Ion Ratio Lower Upper

105 100

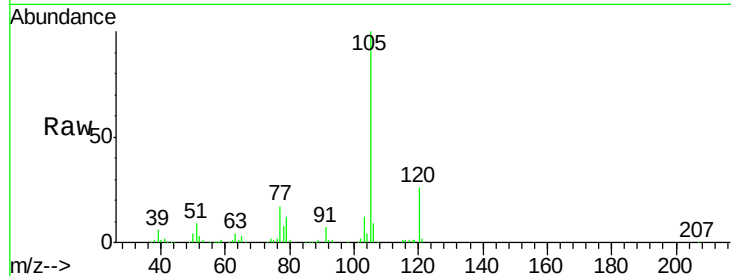
120 26.6 13.6 40.8

Manual Integrations

APPROVED

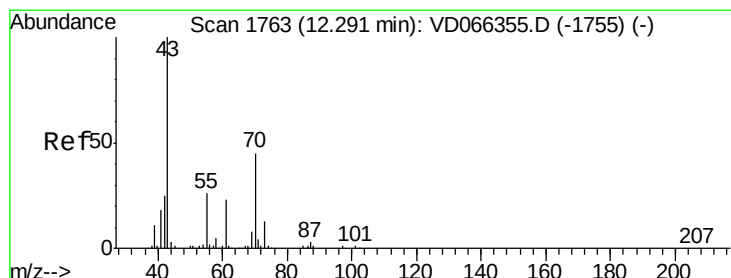
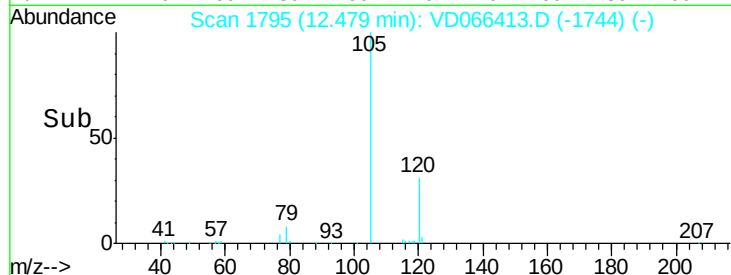
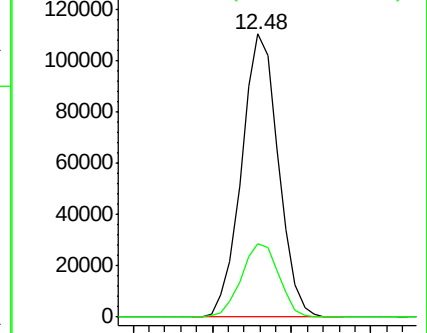
MMDadoda

8/27/2020 3:08:31 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.523 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Tgt Ion: 43 Resp: 29984

Ion Ratio Lower Upper

43 100

70 45.2 34.8 52.2

55 25.8 20.3 30.5

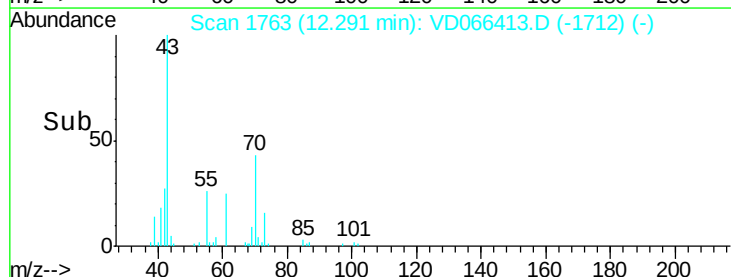
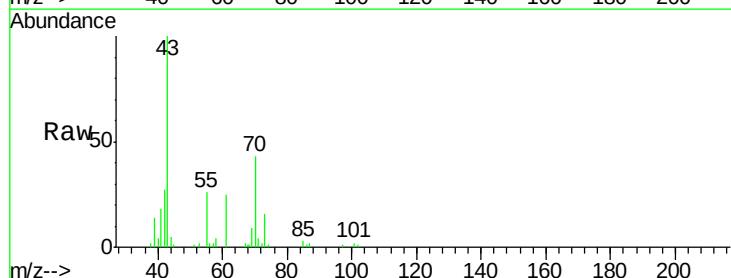
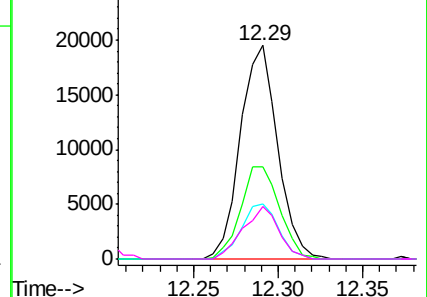
61 23.7 19.0 28.6

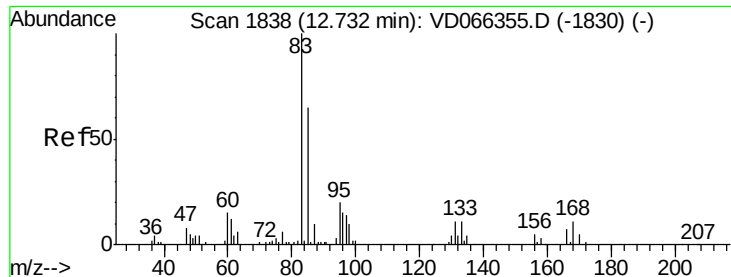
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.922 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

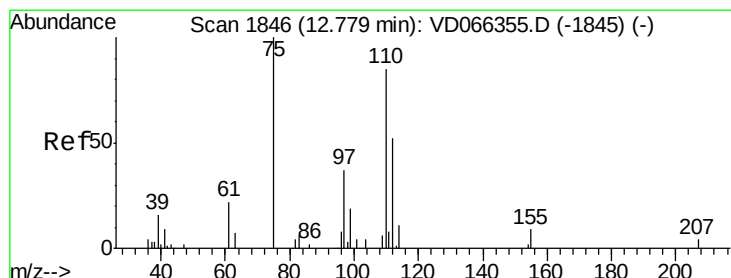
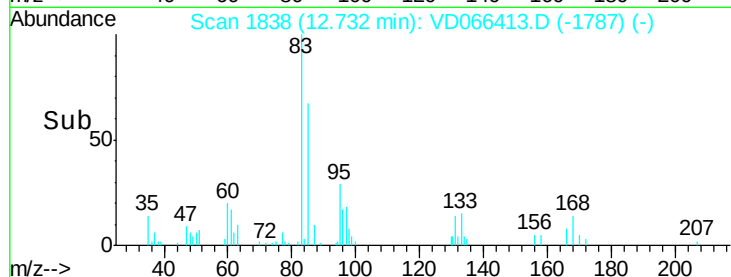
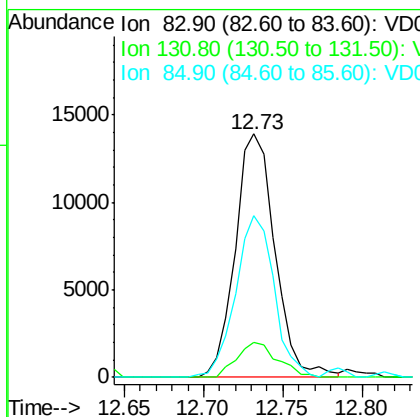
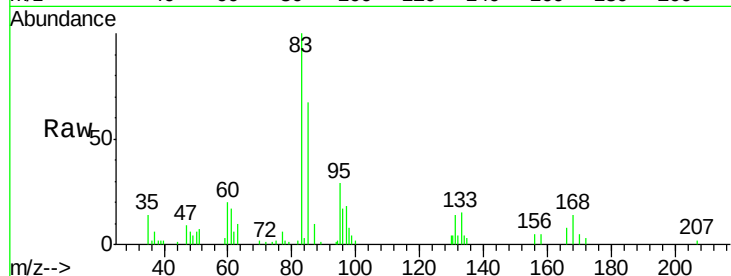
ClientSampleId :

VD0826SBS01

Tot Ion:	83	Resp:	24200
Ion Ratio	Lower	Upper	
83	100		
131	14.6	7.0	20.9
85	64.3	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM



#76

1,2,3-Trichloropropane

Concen: 19.839 ug/l m

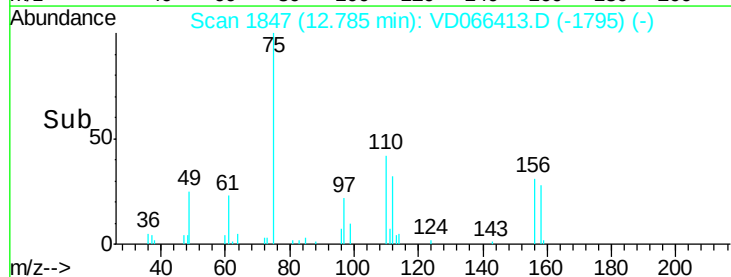
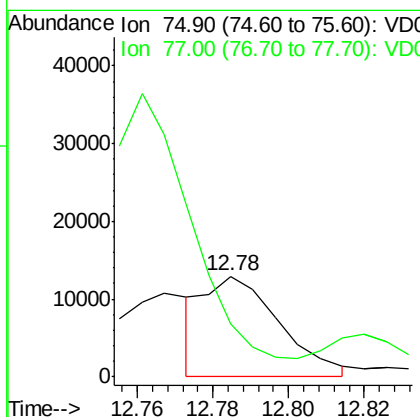
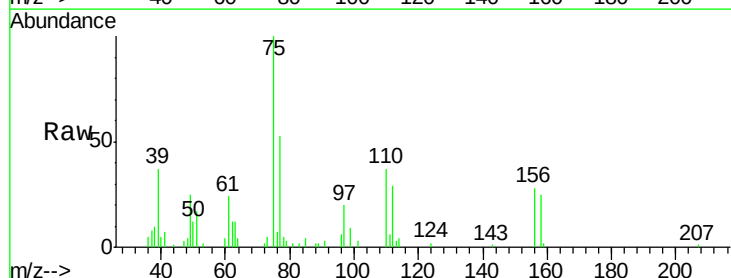
RT: 12.78 min Scan# 1847

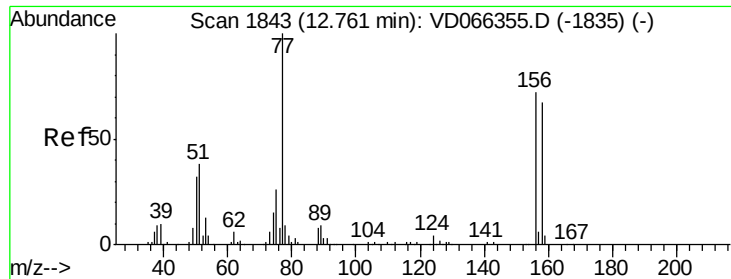
Delta R.T. 0.01 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Tgt Ion:	75	Resp:	17716
Ion Ratio	Lower	Upper	
75	100		
77	0.0	182.9	548.9#





#77

Bromobenzene

Concen: 20.700 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

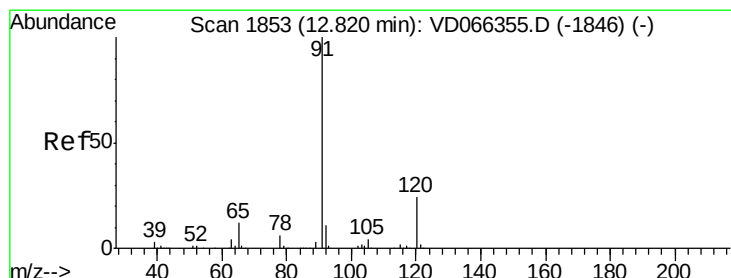
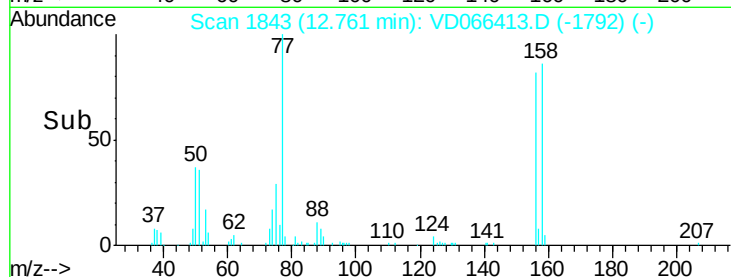
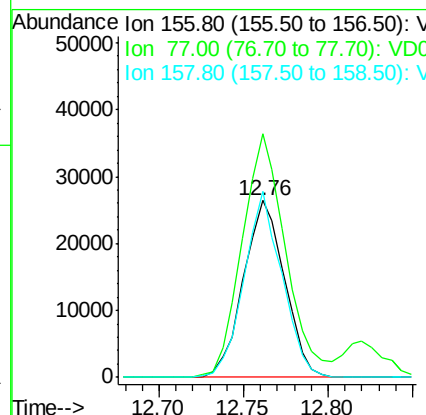
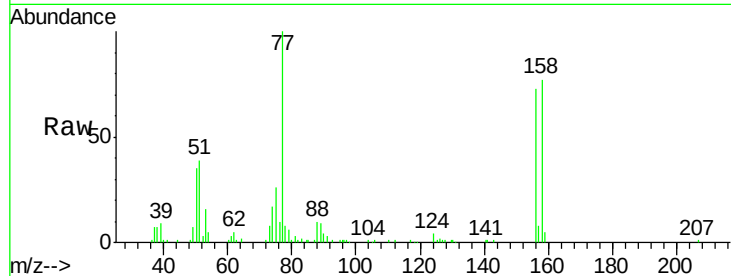
ClientSampleId :

VD0826SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	146.7	76.1	228.3	
158	97.1	47.6	142.9	

Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM



#78

n-propylbenzene

Concen: 20.439 ug/l

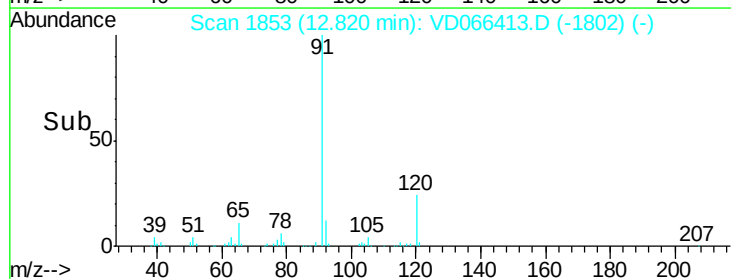
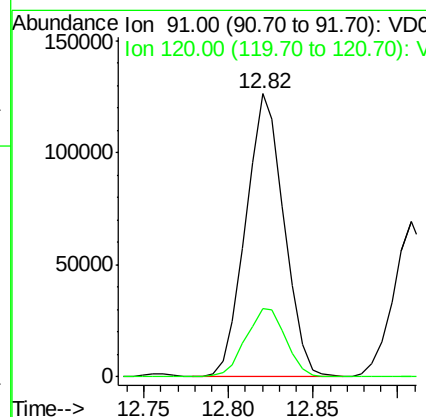
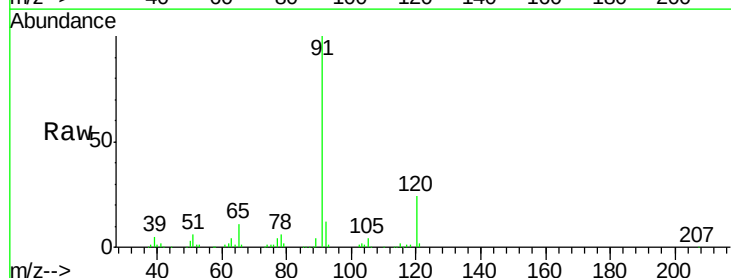
RT: 12.82 min Scan# 1853

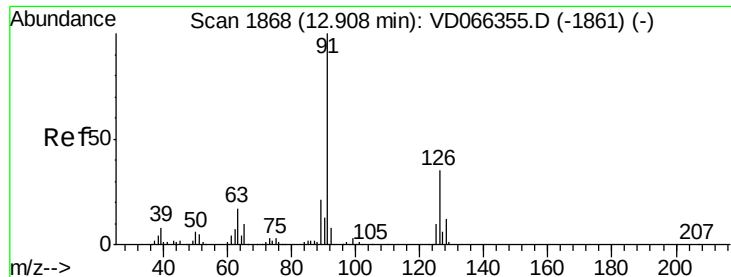
Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	25.0	12.0	36.0	





#79

2-Chlorotoluene

Concen: 20.077 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBS01

Tot Ion: 91 Resp: 111799

Ion Ratio Lower Upper

91 100

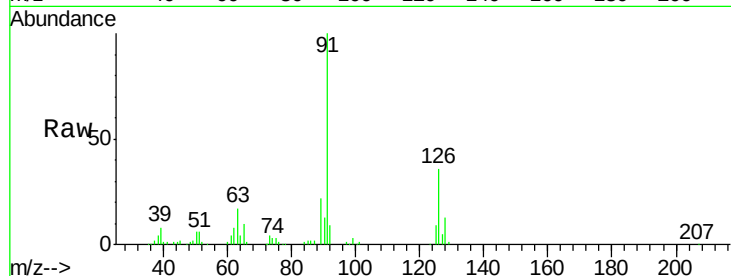
126 36.4 17.7 53.1

Manual Integrations

APPROVED

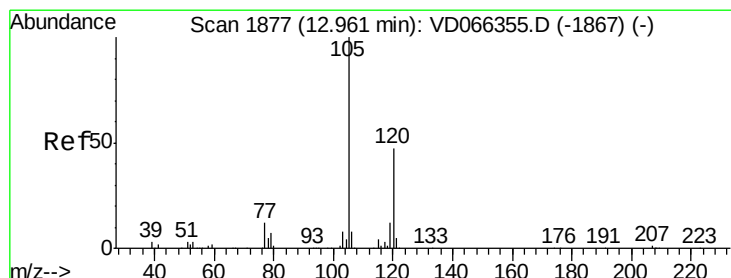
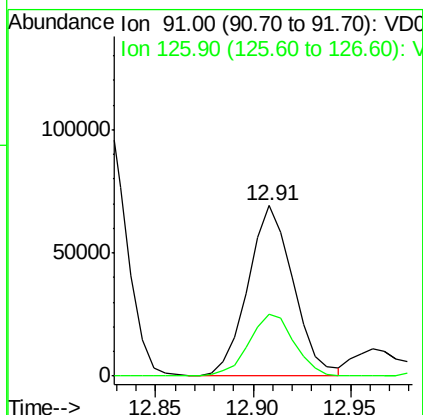
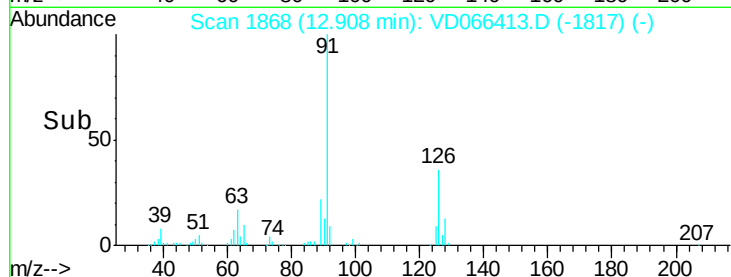
MMDadoda

8/27/2020 3:08:31 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066413.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066413.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.128 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066413.D

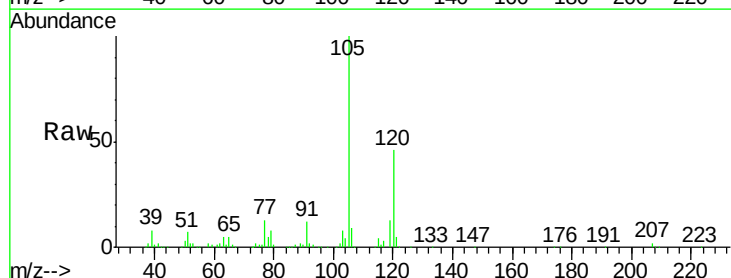
Acq: 26 Aug 2020 11:53

Tgt Ion:105 Resp: 155120

Ion Ratio Lower Upper

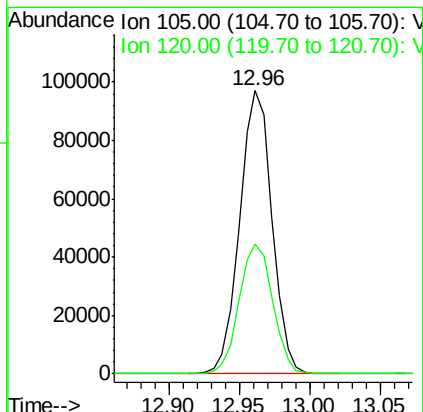
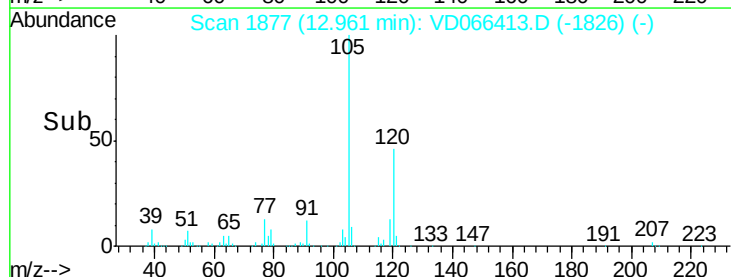
105 100

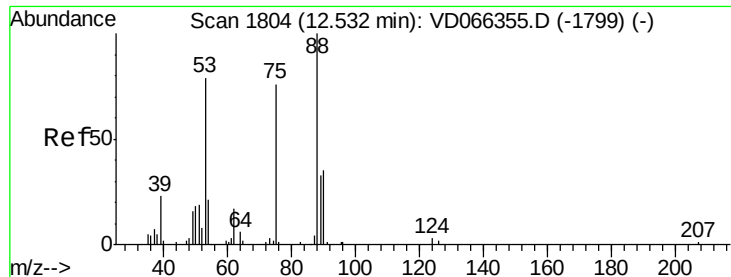
120 48.0 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VD066413.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066413.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.051 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

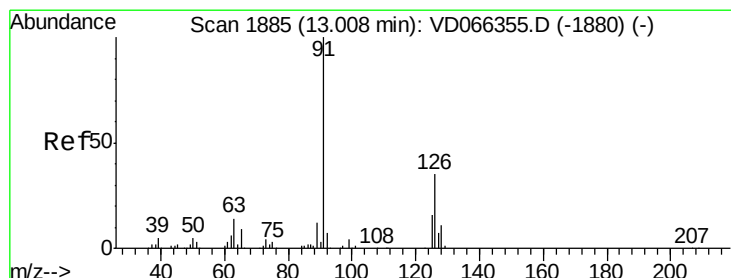
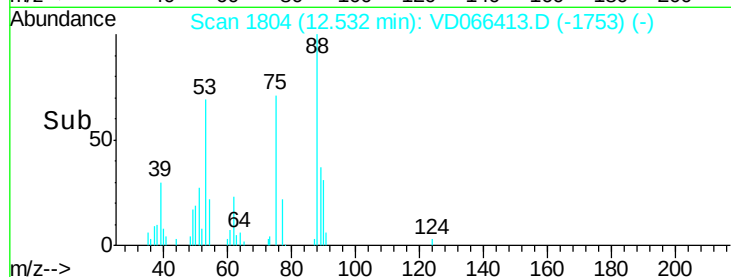
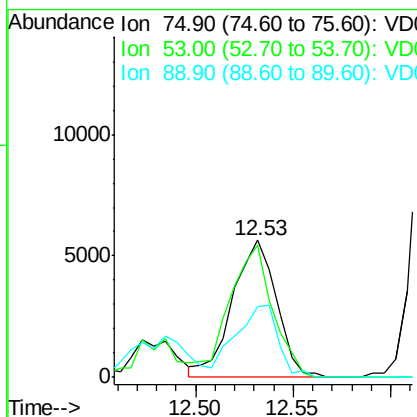
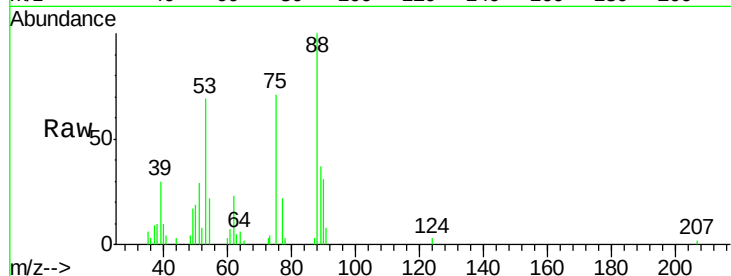
ClientSampleId :

VD0826SBS01

Tot Ion:	75	Resp:	8856
Ion	Ratio	Lower	Upper
75	100		
53	95.3	87.4	131.2
89	50.4	39.4	59.0

Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM



#82

4-Chlorotoluene

Concen: 20.257 ug/l

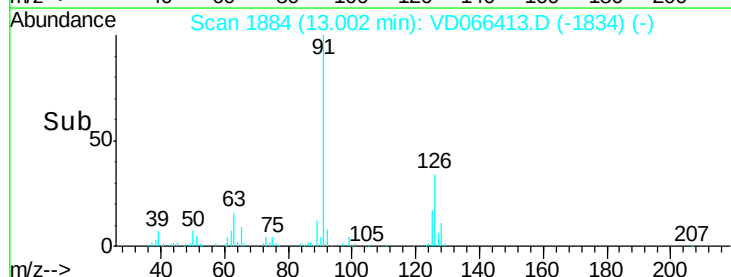
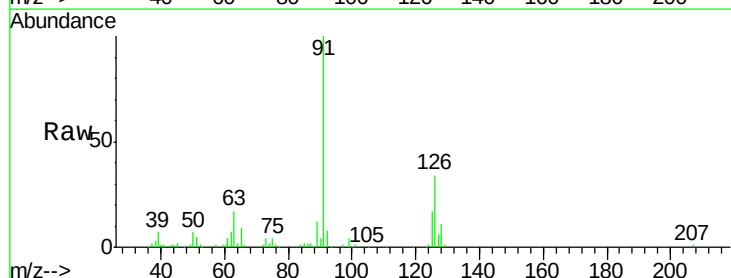
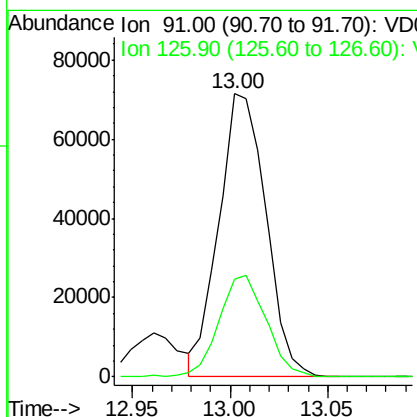
RT: 13.00 min Scan# 1884

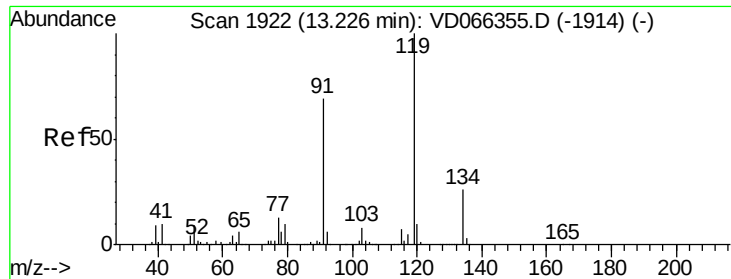
Delta R.T. -0.01 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Tgt Ion:	91	Resp:	119509
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.4	52.2





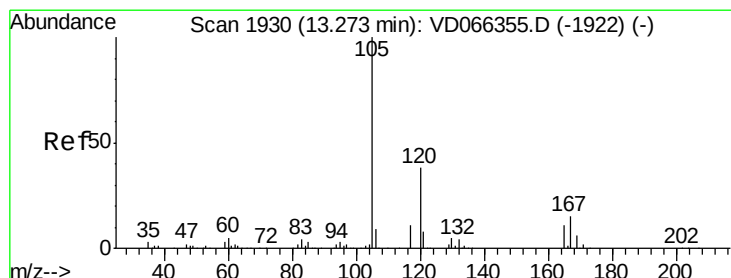
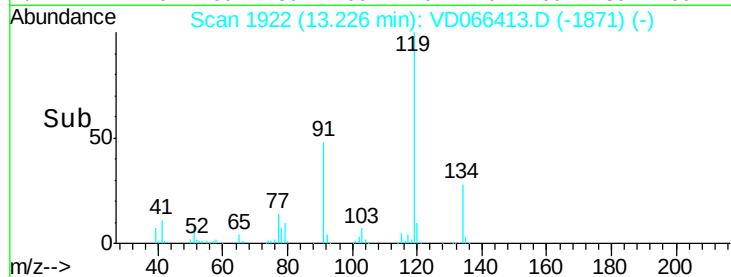
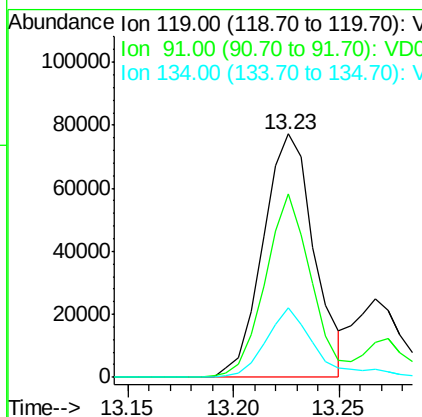
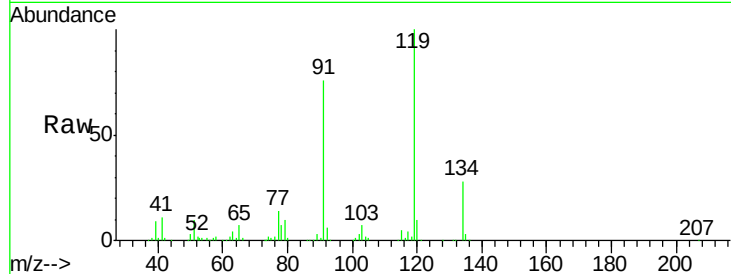
#83
 tert-Butylbenzene
 Concen: 20.368 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	129885		
91	68.5		33.5	100.5
134	27.8		13.5	40.4

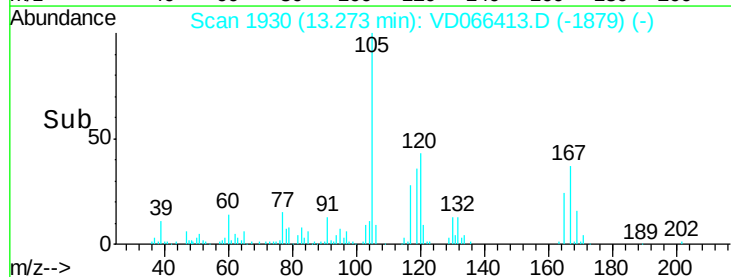
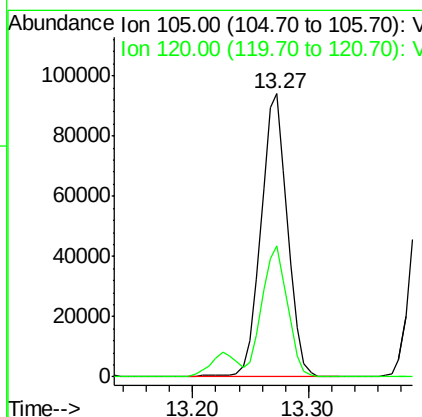
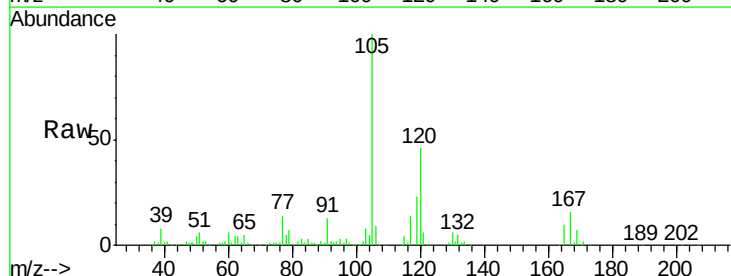
Manual Integrations
 APPROVED

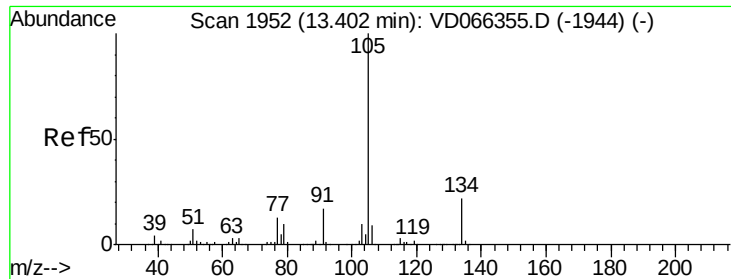
MMDadoda
 8/27/2020 3:08:31 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.888 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	150627		
120	44.7		22.6	67.7





#85

sec-Butylbenzene

Concen: 20.464 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBS01

Tot Ion:105 Resp: 170982

Ion Ratio Lower Upper

105 100

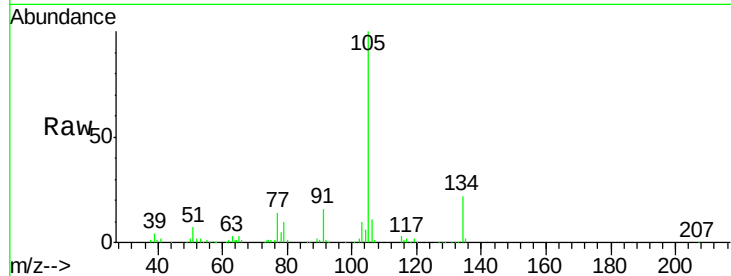
134 22.1 10.8 32.4

Manual Integrations

APPROVED

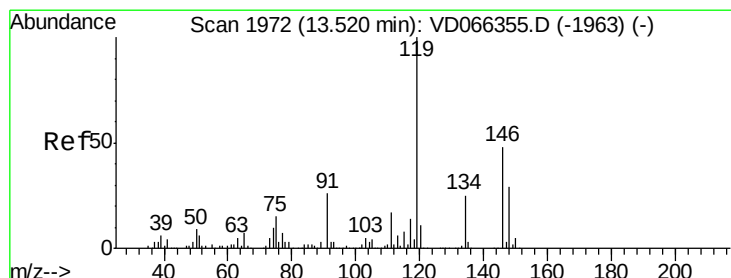
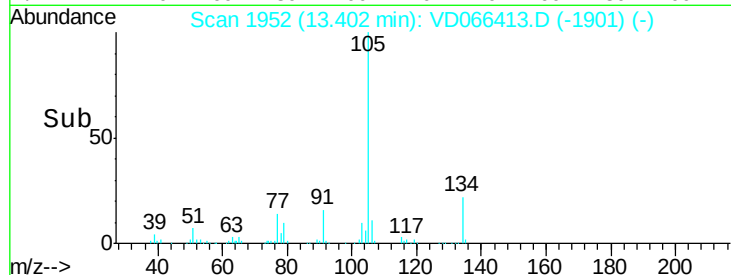
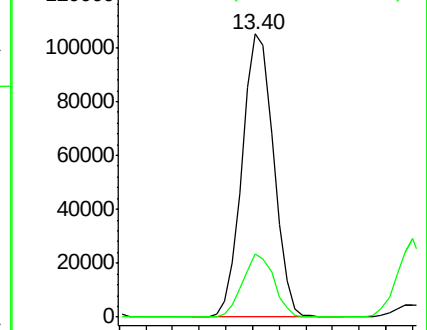
MMDadoda

8/27/2020 3:08:31 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.125 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

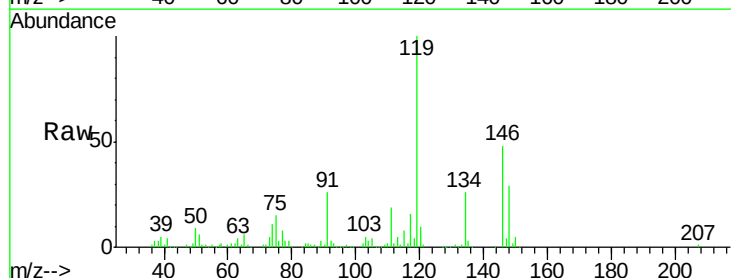
Tgt Ion:119 Resp: 170190

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

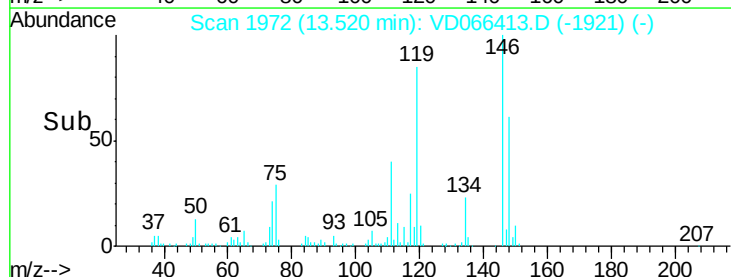
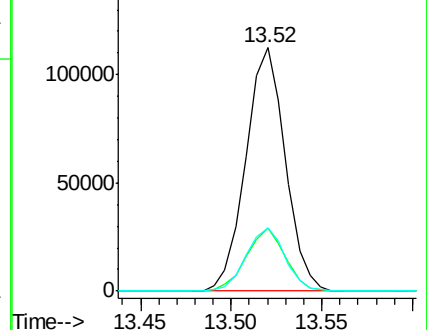
91 25.7 12.7 38.0

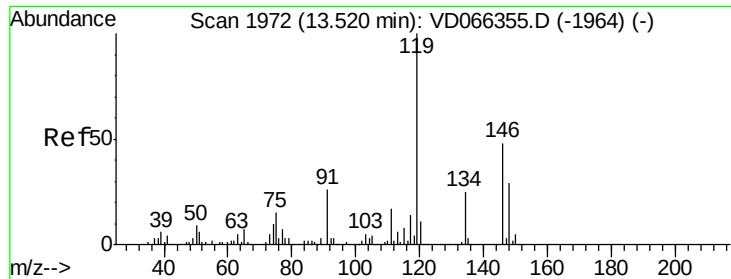


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.054 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

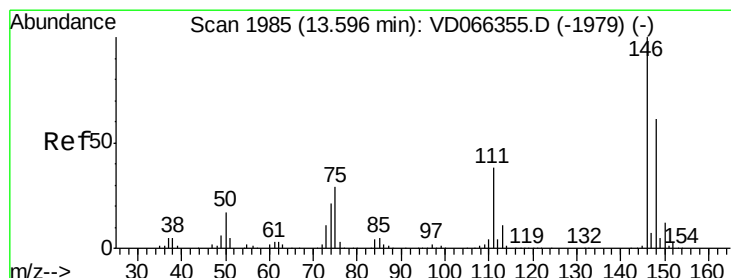
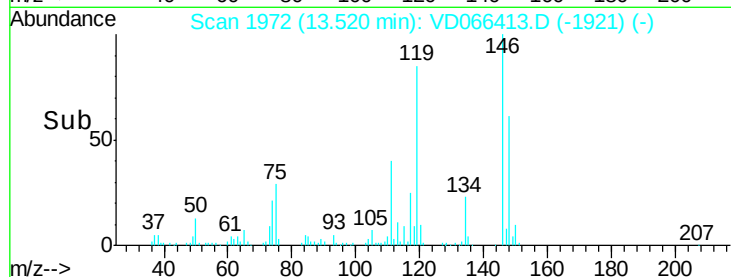
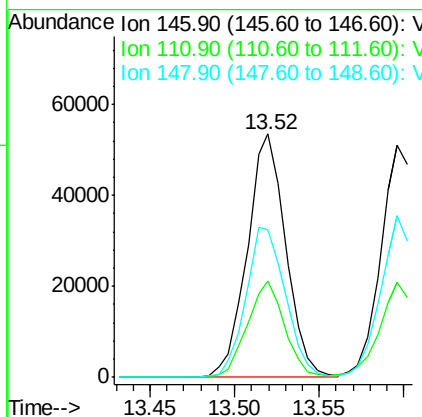
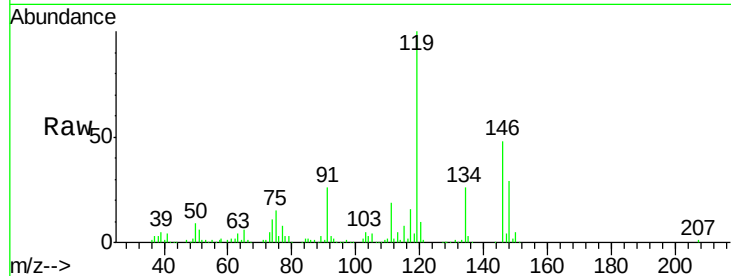
Instrument :
MSVOA_D

ClientSampleId :
VD0826SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.9
148	63.5	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM



#88

1,4-Dichlorobenzene

Concen: 20.260 ug/l

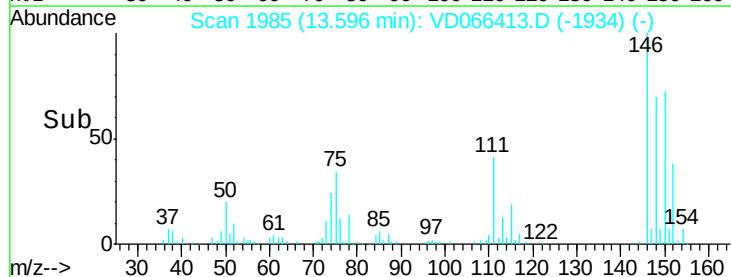
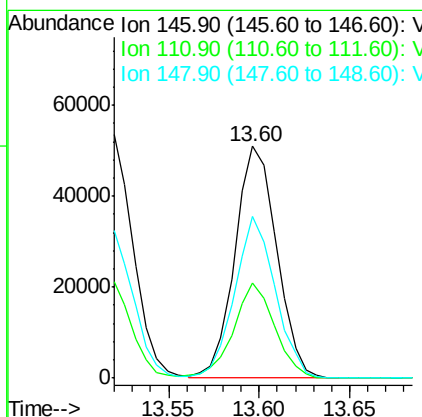
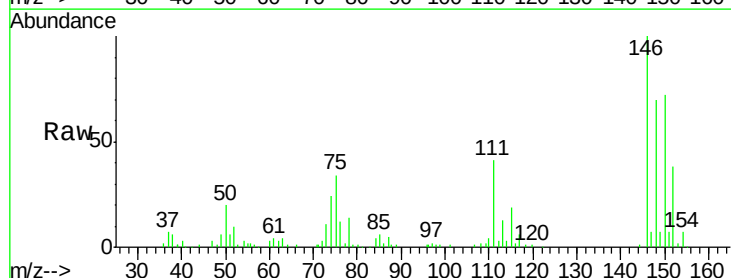
RT: 13.60 min Scan# 1985

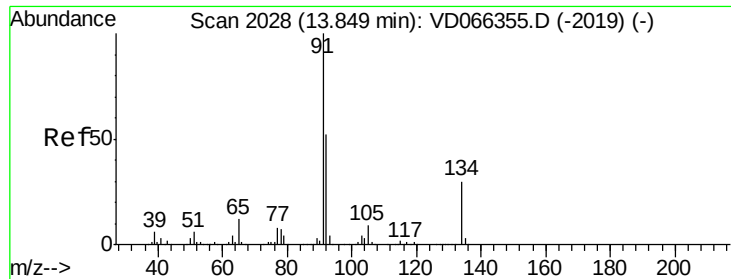
Delta R.T. 0.00 min

Lab File: VD066413.D

Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.1	57.5
148	67.9	32.1	96.3





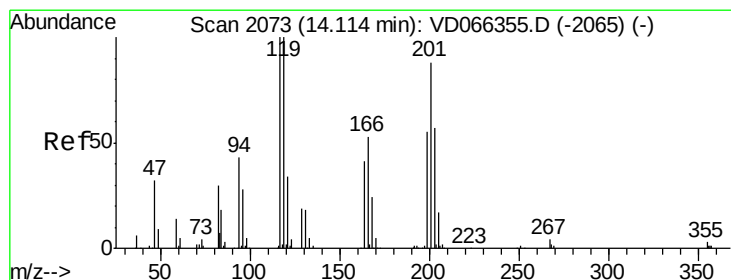
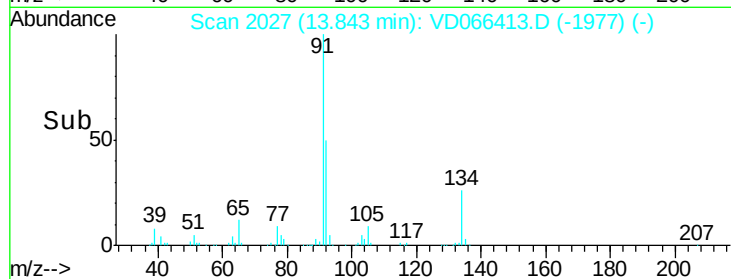
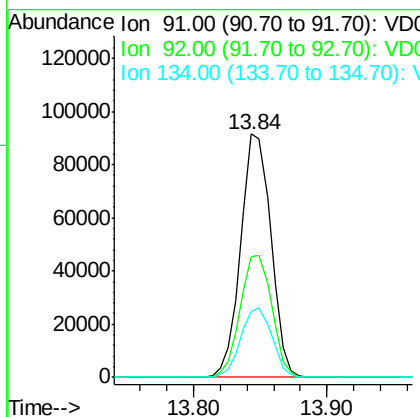
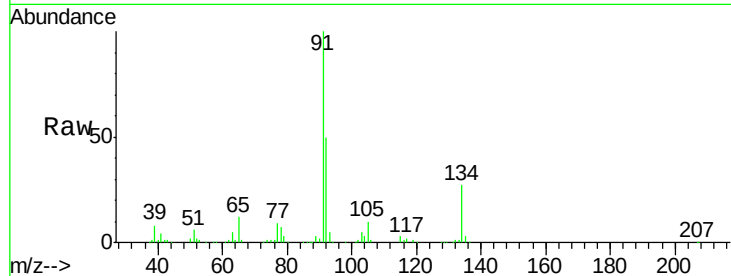
#89
n-Butylbenzene
Concen: 20.136 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.4	26.4	79.0	
134	29.3	14.4	43.4	

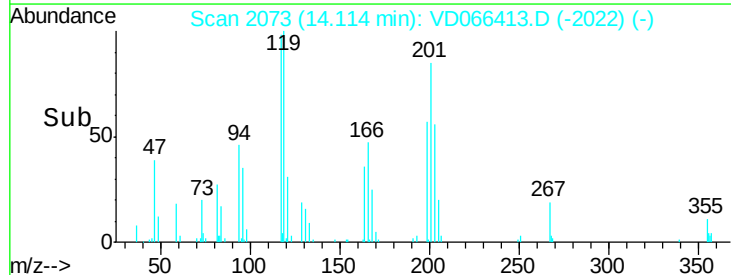
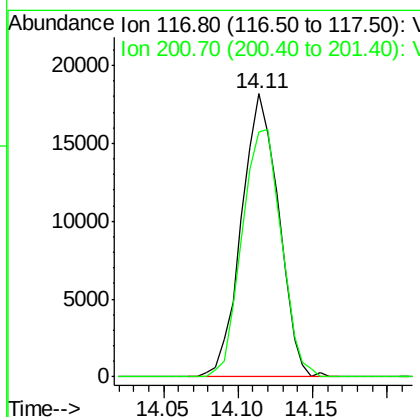
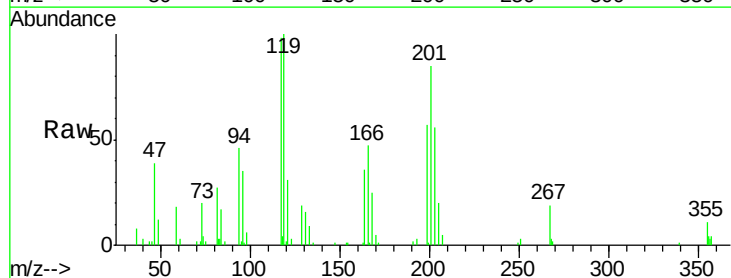
Manual Integrations
APPROVED

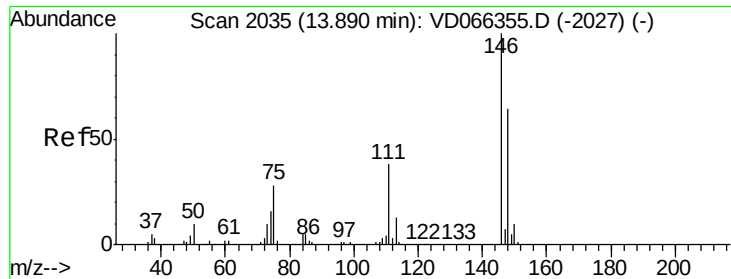
MMDadoda
8/27/2020 3:08:31 PM



#90
Hexachloroethane
Concen: 19.699 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	92.3	45.4	136.2	





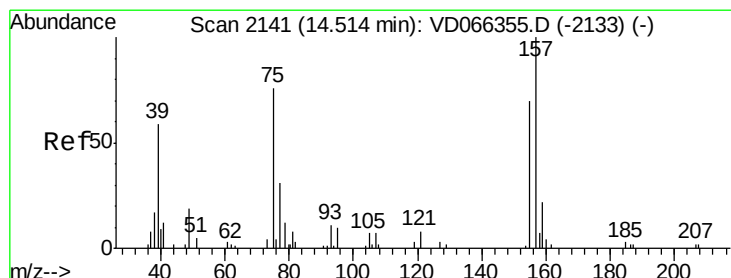
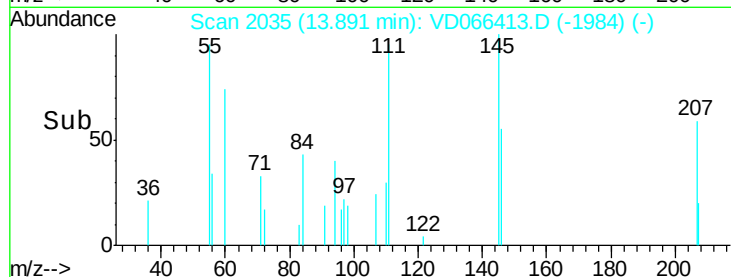
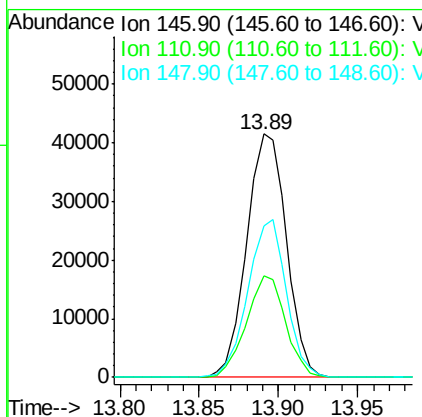
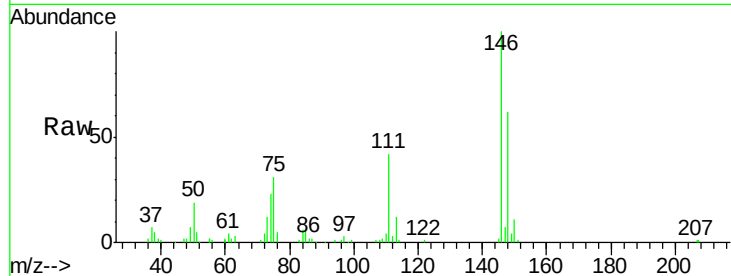
#91
 1,2-Dichlorobenzene
 Concen: 20.873 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0826SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.9	59.7
148	62.8	32.6	97.8

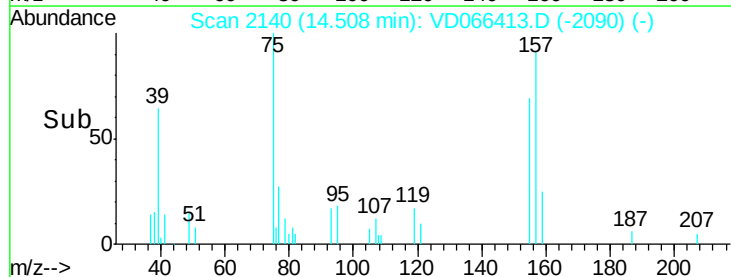
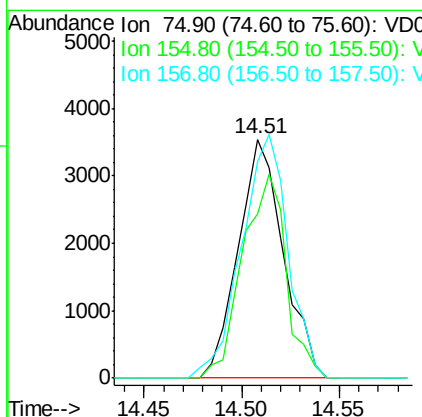
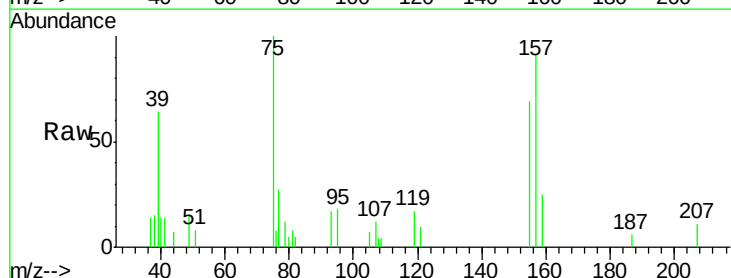
Manual Integrations
 APPROVED

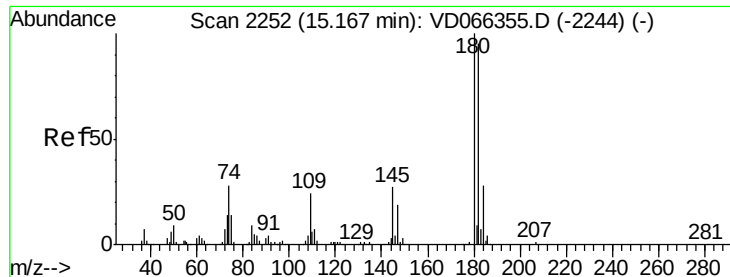
MMDadoda
 8/27/2020 3:08:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.263 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.1	46.9	140.6
157	105.4	61.0	183.0





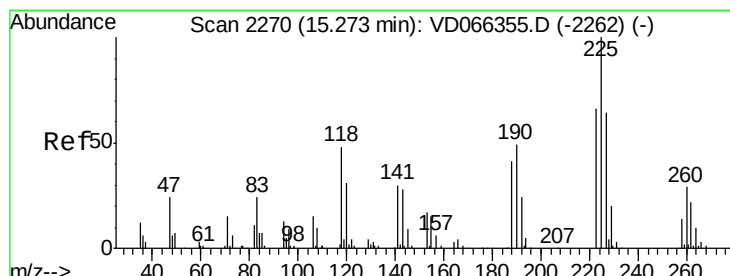
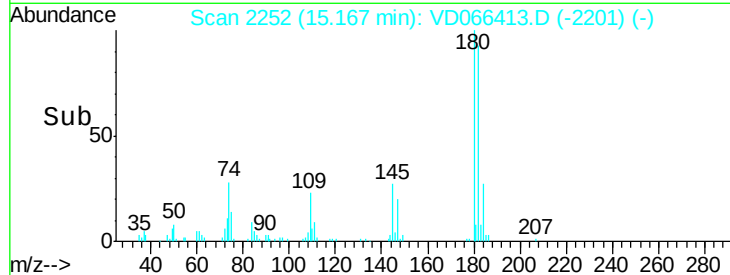
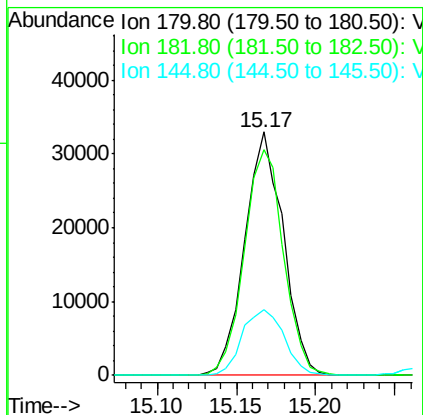
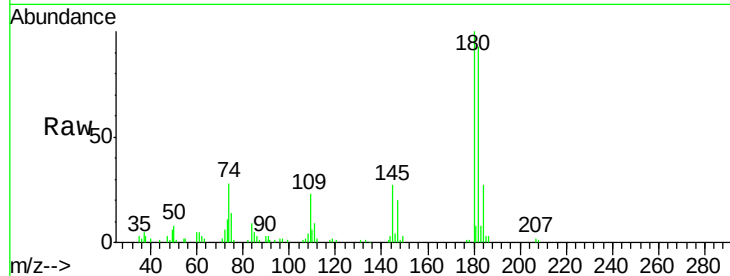
#93
 1,2,4-Trichlorobenzene
 Concen: 20.580 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	48.0	144.0	
145	29.4	15.2	45.6	

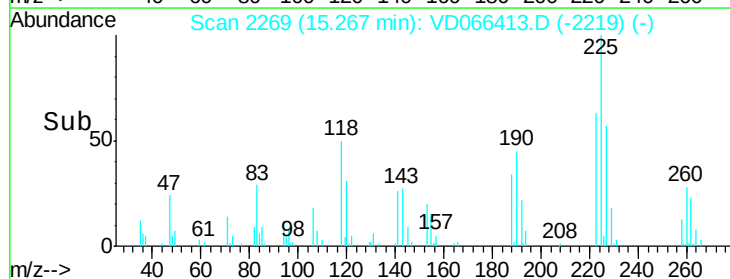
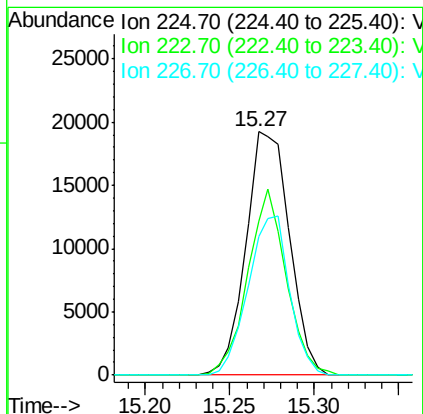
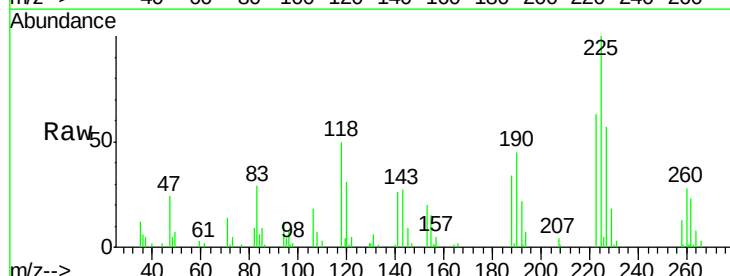
Manual Integrations
 APPROVED

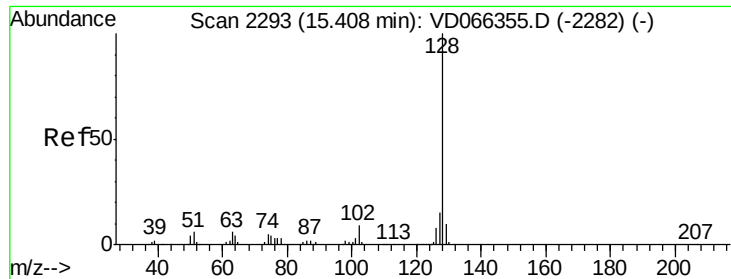
MMDadoda
 8/27/2020 3:08:31 PM



#94
 Hexachlorobutadiene
 Concen: 20.524 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD066413.D
 Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	67.8	32.5	97.4	
227	62.0	33.0	98.9	





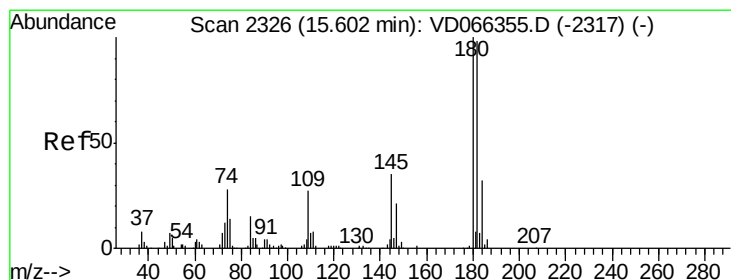
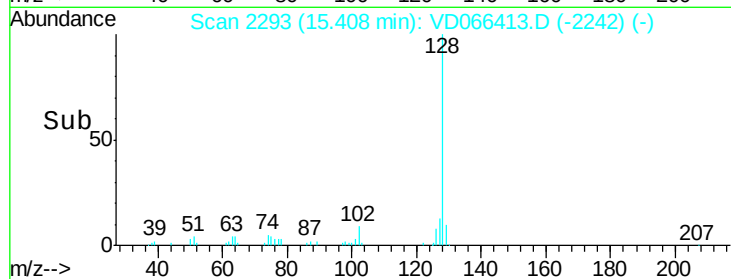
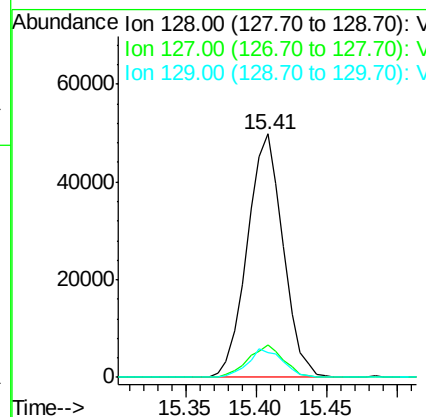
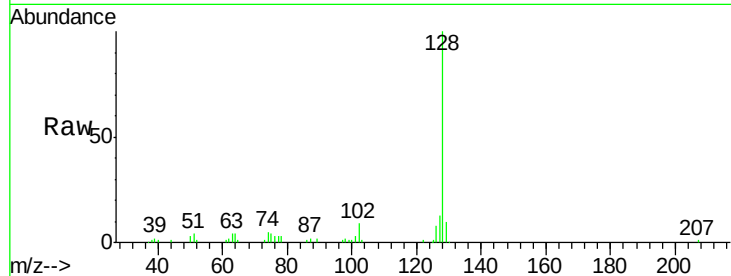
#95
Naphthalene
Concen: 20.809 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/27/2020 3:08:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.597 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066413.D
Acq: 26 Aug 2020 11:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.7	140.0
145	33.1	16.0	48.0

