

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067698.D
 Acq On : 19 Nov 2020 10:19
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:06:35 AM

Quant Time: Nov 20 00:35:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	288764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	413403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	371687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	187949	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	109644	43.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.84%	
35) Dibromofluoromethane	7.91	113	110193	44.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.48%	
50) Toluene-d8	10.34	98	384378	43.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.82%	
62) 4-Bromofluorobenzene	12.64	95	138503	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	113176	48.260	ug/l	97
3) Chloromethane	2.21	50	70751	39.346	ug/l	99
4) Vinyl Chloride	2.35	62	87404	43.597	ug/l	98
5) Bromomethane	2.77	94	71135	43.777	ug/l	90
6) Chloroethane	2.93	64	54661	44.224	ug/l	99
7) Trichlorofluoromethane	3.28	101	257894	49.681	ug/l	98
8) Diethyl Ether	3.70	74	49682	47.498	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	128830	49.167	ug/l	99
10) Methyl Iodide	4.30	142	135857	48.376	ug/l	98
11) Tert butyl alcohol	5.21	59	36442	342.382	ug/l	97
12) 1,1-Dichloroethene	4.07	96	116273	48.243	ug/l	95
13) Acrolein	3.93	56	23106	211.145	ug/l	99
14) Allyl chloride	4.71	41	118632	45.991	ug/l	95
15) Acrylonitrile	5.41	53	91760	237.321	ug/l	98
16) Acetone	4.16	43	107641	284.884	ug/l	96
17) Carbon Disulfide	4.41	76	317619	43.006	ug/l	100
18) Methyl Acetate	4.71	43	37289	47.758	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	247569	52.075	ug/l	96
20) Methylene Chloride	4.96	84	125615	47.064	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	129463	46.118	ug/l	96
22) Diisopropyl ether	6.36	45	243716	48.484	ug/l	96
23) Vinyl Acetate	6.31	43	669638	254.496	ug/l	100
24) 1,1-Dichloroethane	6.26	63	200378	48.727	ug/l	97
25) 2-Butanone	7.21	43	102967	255.037	ug/l	91
26) 2,2-Dichloropropane	7.21	77	226744	52.244	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	146384	50.239	ug/l	98
28) Bromochloromethane	7.55	49	70949	48.503	ug/l	95
29) Tetrahydrofuran	7.57	42	58093	240.215	ug/l	95
30) Chloroform	7.71	83	245394	50.019	ug/l	99
31) Cyclohexane	7.98	56	166681	45.516	ug/l	# 87
32) 1,1,1-Trichloroethane	7.91	97	255162	50.408	ug/l	99
36) 1,1-Dichloropropene	8.12	75	178652	50.486	ug/l	99
37) Ethyl Acetate	7.30	43	47192	51.368	ug/l	100
38) Carbon Tetrachloride	8.10	117	252223	54.859	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	219902	52.799	ug/l	99
40) Benzene	8.35	78	488184	50.930	ug/l	99
41) Methacrylonitrile	7.53	41	31457	57.283	ug/l #	64
42) 1,2-Dichloroethane	8.43	62	154665	52.224	ug/l	99
43) Isopropyl Acetate	8.46	43	90079	49.578	ug/l	98
44) Trichloroethene	9.11	130	159601	50.639	ug/l	96
45) 1,2-Dichloropropane	9.39	63	102201	49.315	ug/l	94
46) Dibromomethane	9.48	93	67894	51.524	ug/l	97
47) Bromodichloromethane	9.67	83	186704	52.130	ug/l	94
48) Methyl methacrylate	9.46	41	44645	47.590	ug/l	91
49) 1,4-Dioxane	9.46	88	13996	1046.275	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	227514	261.829	ug/l	100
52) Toluene	10.41	92	341185	53.142	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	163988	53.461	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	188377	51.689	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	89838	51.528	ug/l	99
56) Ethyl methacrylate	10.67	69	94862	52.688	ug/l	96
57) 1,3-Dichloropropane	10.95	76	148469	52.919	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	219959	261.981	ug/l	99
59) 2-Hexanone	10.98	43	175037	288.096	ug/l	96
60) Dibromochloromethane	11.14	129	139549	54.108	ug/l	100
61) 1,2-Dibromoethane	11.25	107	89729	51.279	ug/l	100
64) Tetrachloroethene	10.88	164	141867	51.538	ug/l	96
65) Chlorobenzene	11.67	112	371583	51.899	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	147135	52.141	ug/l	99
67) Ethyl Benzene	11.75	91	659154	53.801	ug/l	99
68) m/p-Xylenes	11.85	106	510809	107.168	ug/l	99
69) o-Xylene	12.18	106	229354	53.895	ug/l	99
70) Styrene	12.20	104	398166	53.694	ug/l	99
71) Bromoform	12.37	173	76997	53.501	ug/l #	98
73) Isopropylbenzene	12.48	105	668507	55.036	ug/l	99
74) N-amyl acetate	12.29	43	83458	52.216	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	84193	50.830	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	62538m	55.157	ug/l	
77) Bromobenzene	12.77	156	154586	51.820	ug/l	97
78) n-propylbenzene	12.83	91	737629	53.090	ug/l	99
79) 2-Chlorotoluene	12.91	91	421687	53.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	571996	55.125	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	27764	49.716	ug/l	97
82) 4-Chlorotoluene	13.01	91	451384	53.326	ug/l	100
83) tert-Butylbenzene	13.23	119	497773	56.603	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	574820	55.652	ug/l	99
85) sec-Butylbenzene	13.41	105	657398	55.376	ug/l	99
86) p-Isopropyltoluene	13.52	119	632553	55.177	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	301778	53.016	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	297792	51.666	ug/l	98
89) n-Butylbenzene	13.84	91	546804	55.220	ug/l	99
90) Hexachloroethane	14.11	117	115674	53.581	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	255782	51.921	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15558	53.051	ug/l	96

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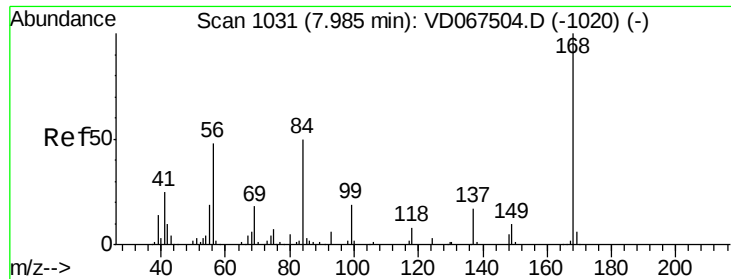
Manual Integrations
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MMDadoda
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Quant Time: Nov 20 00:35:19 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	187255	56.003	ug/l	99
94) Hexachlorobutadiene	15.27	225	122222	54.617	ug/l	97
95) Naphthalene	15.40	128	293368	56.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	155029	54.144	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 288764

Ion Ratio Lower Upper

168 100

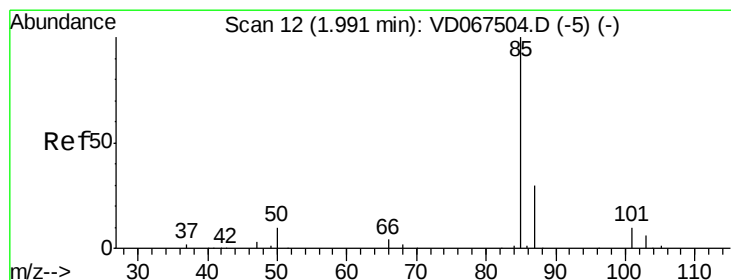
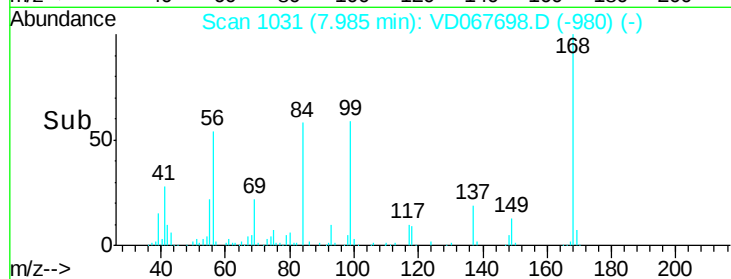
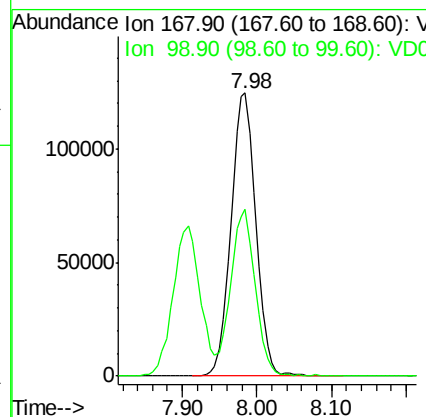
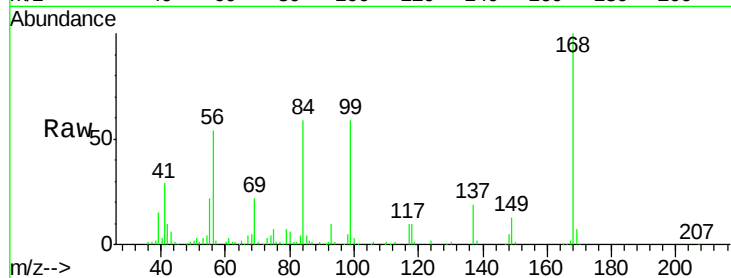
99 58.6 45.0 67.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 48.260 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067698.D

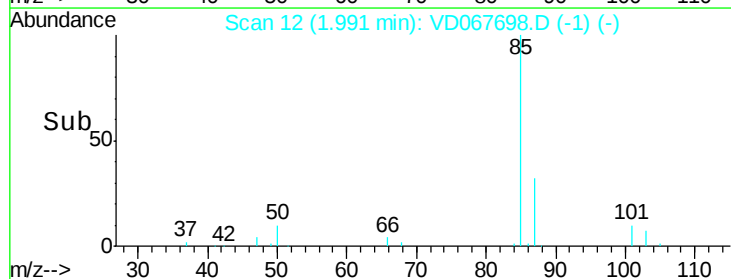
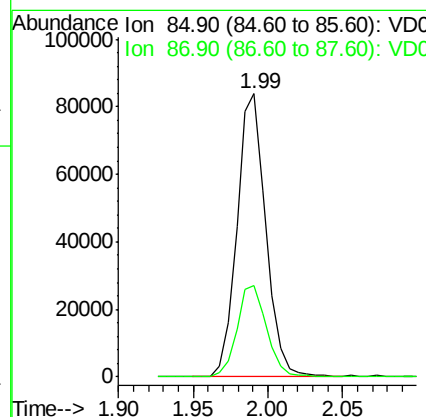
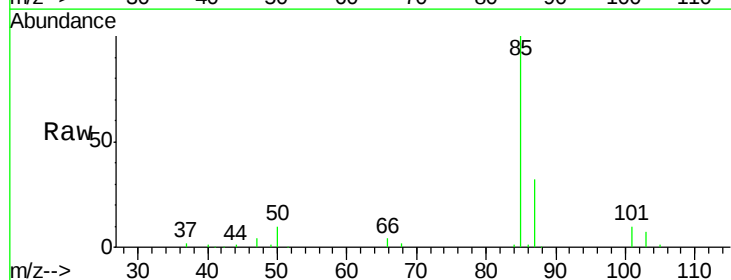
Acq: 19 Nov 2020 10:19

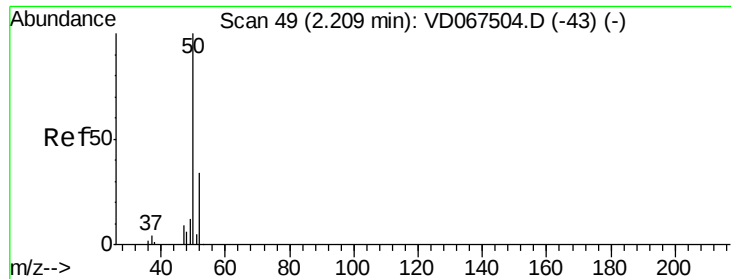
Tgt Ion: 85 Resp: 113176

Ion Ratio Lower Upper

85 100

87 32.4 15.3 45.8





#3

Chloromethane

Concen: 39.346 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 70751

Ion Ratio Lower Upper

50 100

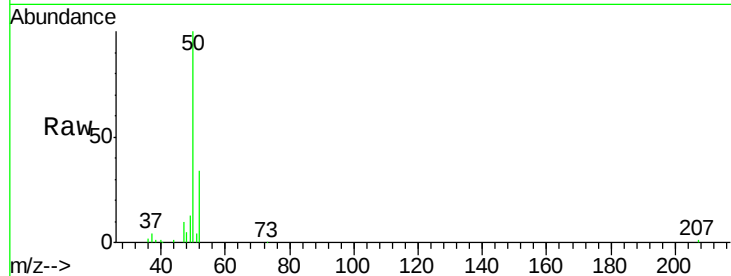
52 33.6 27.3 40.9

Manual Integrations

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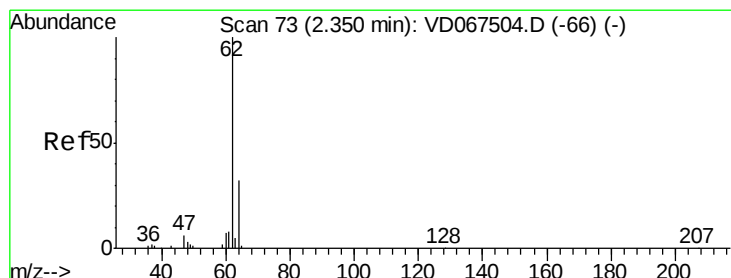
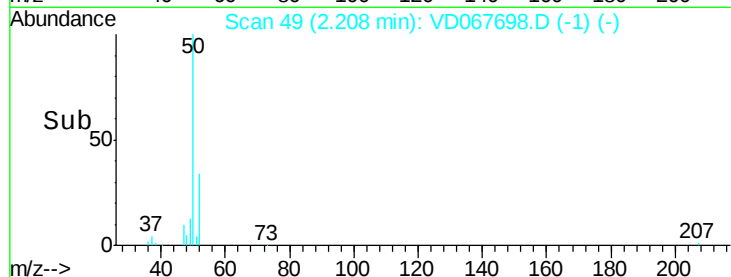
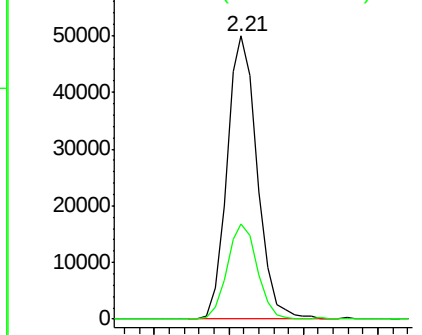
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.597 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067698.D

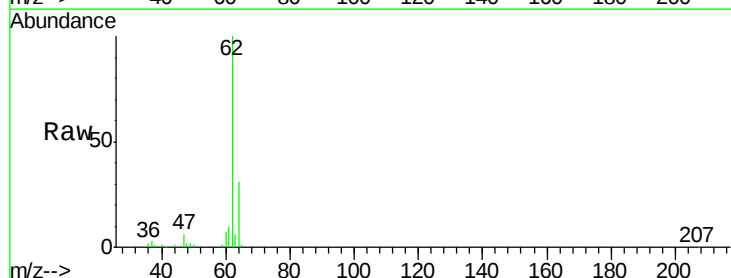
Acq: 19 Nov 2020 10:19

Tgt Ion: 62 Resp: 87404

Ion Ratio Lower Upper

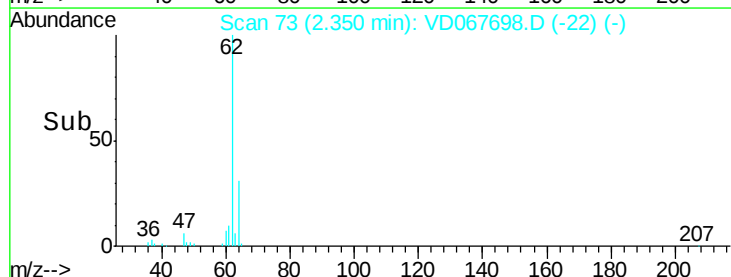
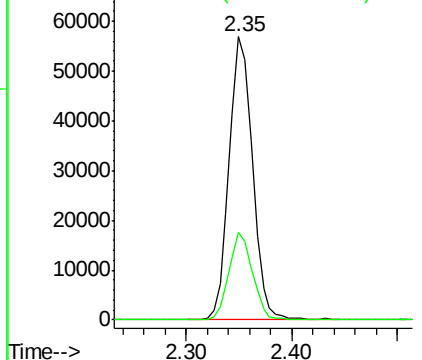
62 100

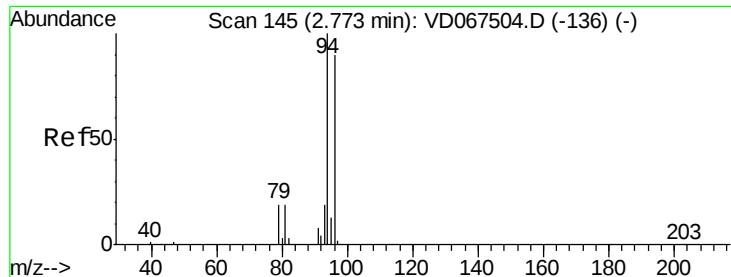
64 30.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 43.777 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 71135

Ion Ratio Lower Upper

94 100

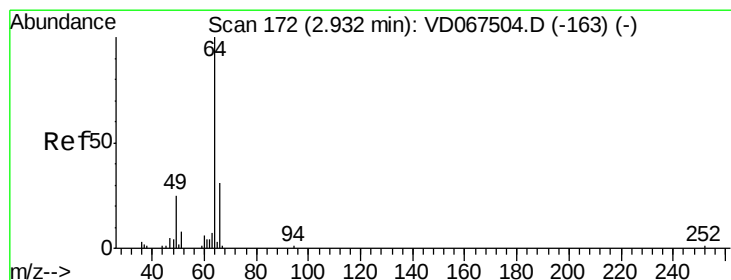
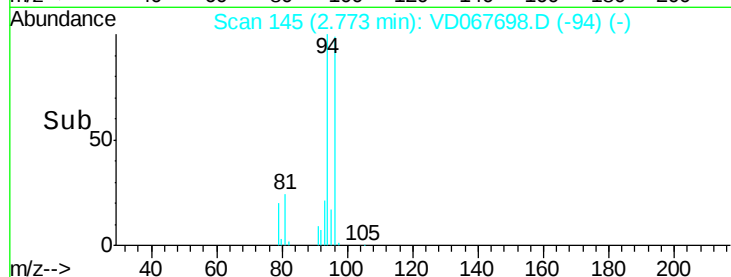
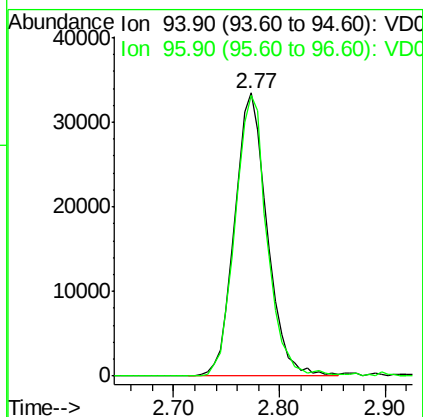
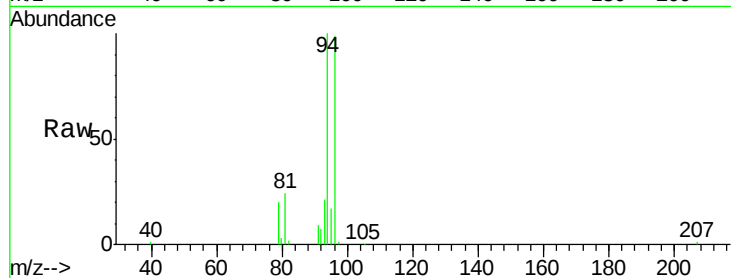
96 99.4 72.2 108.2

Manual Integrations

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11/20/2020 10:06:35 AM



#6

Chloroethane

Concen: 44.224 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067698.D

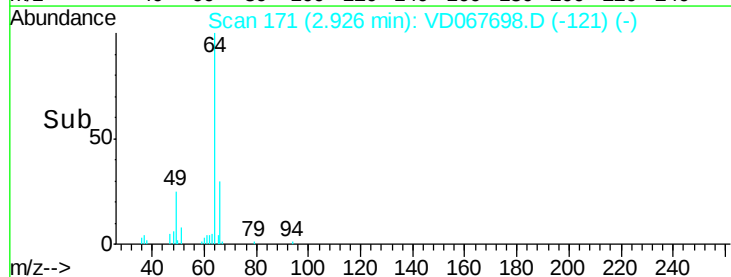
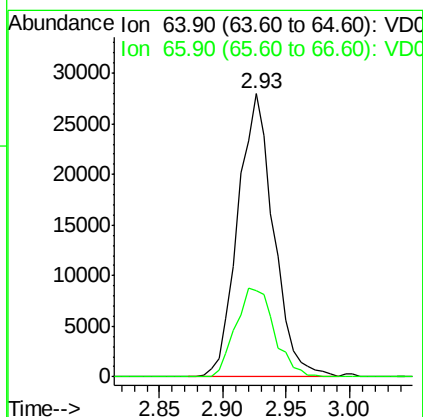
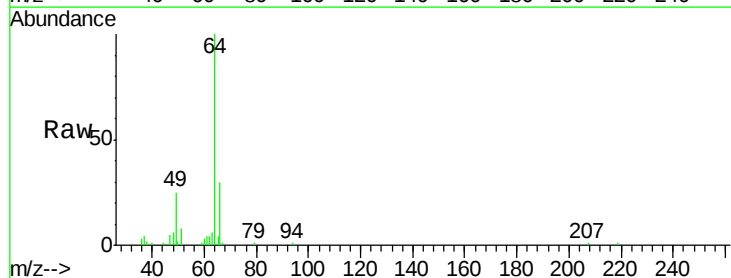
Acq: 19 Nov 2020 10:19

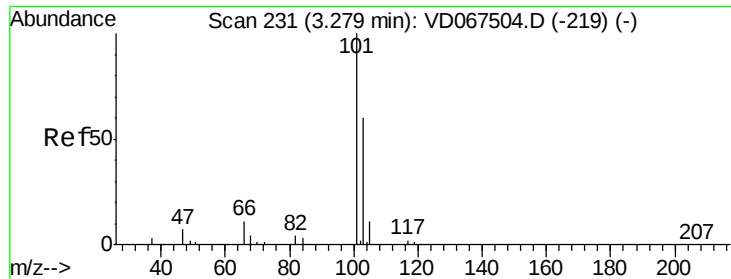
Tgt Ion: 64 Resp: 54661

Ion Ratio Lower Upper

64 100

66 30.3 24.6 36.8





#7

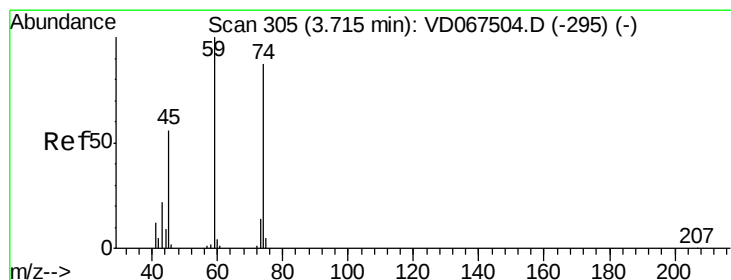
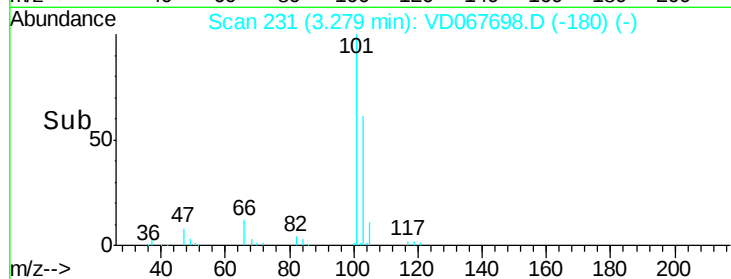
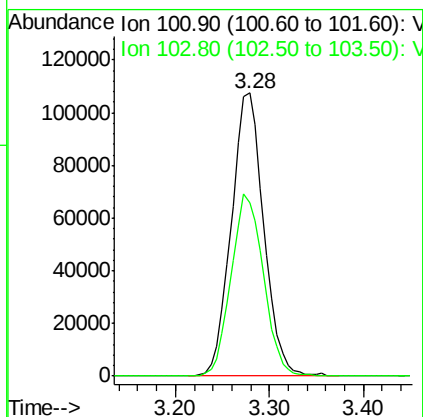
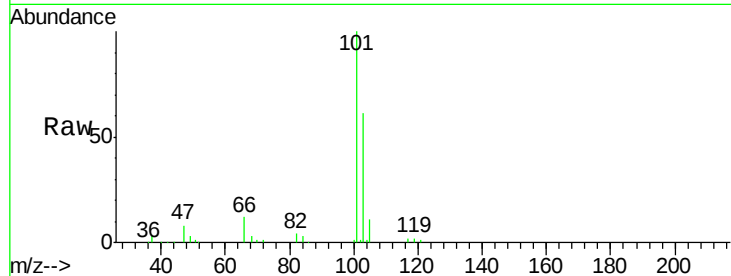
Trichlorofluoromethane
 Concen: 49.681 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

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 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
257894	101	100			
	103	61.5	48.1	72.1	

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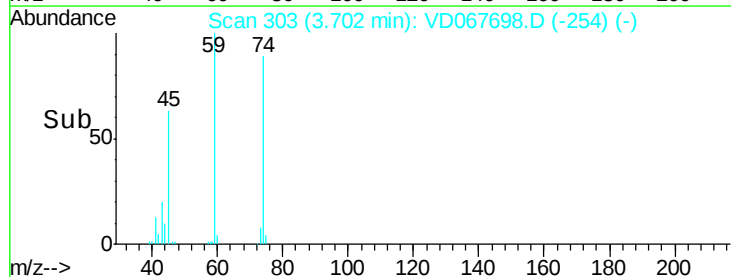
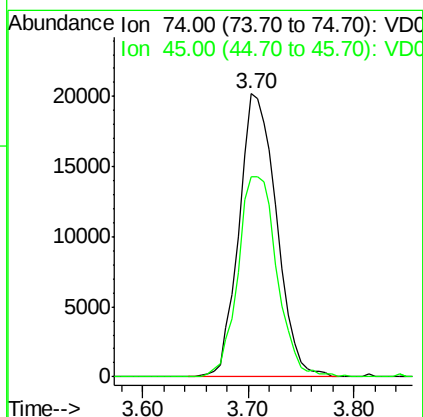
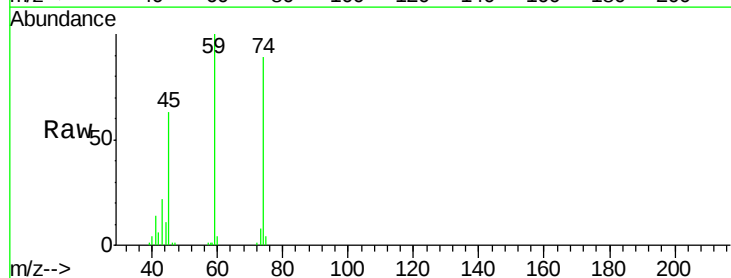
MMDadoda
 11/20/2020 10:06:35 AM

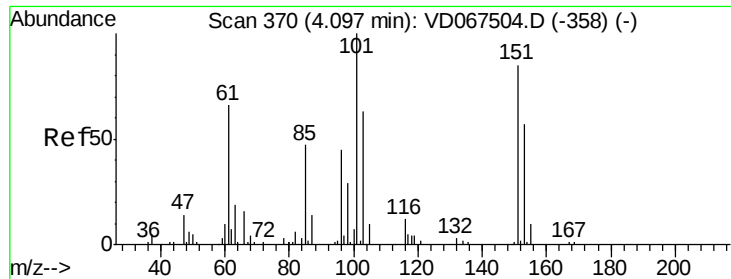


#8

Diethyl Ether
 Concen: 47.498 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49682	74	100			
	45	73.9	38.2	114.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.167 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

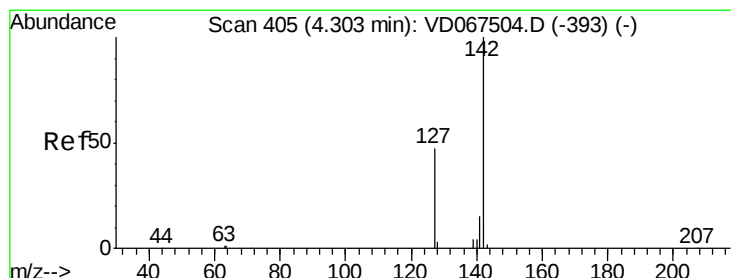
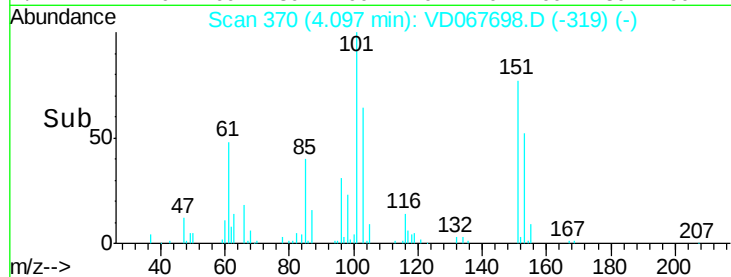
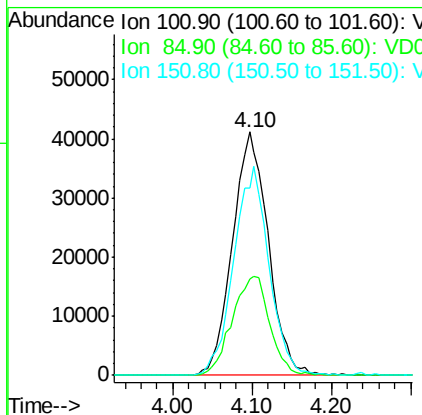
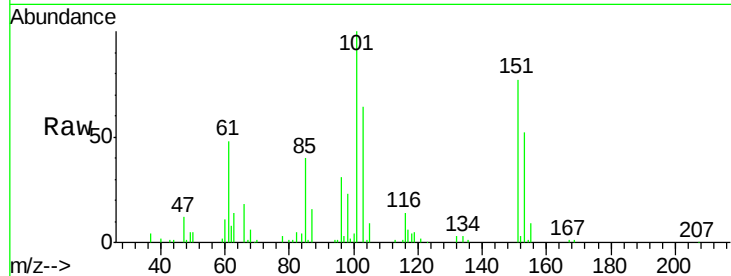
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128830
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.4	51.6
151	84.6	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 48.376 ug/l

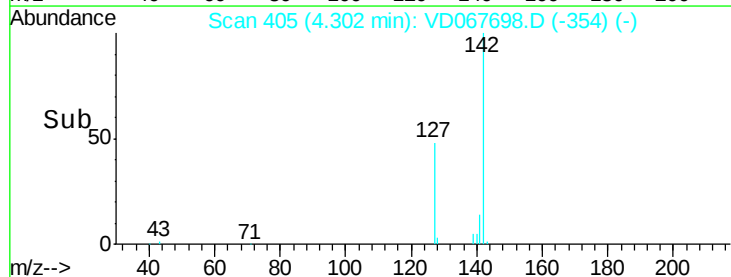
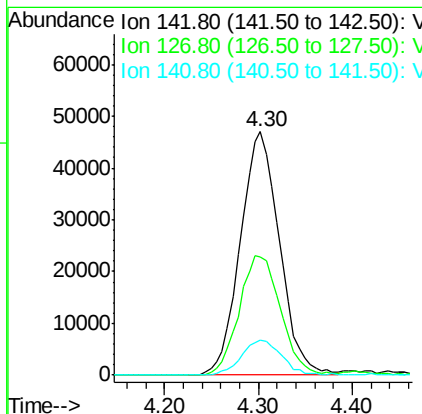
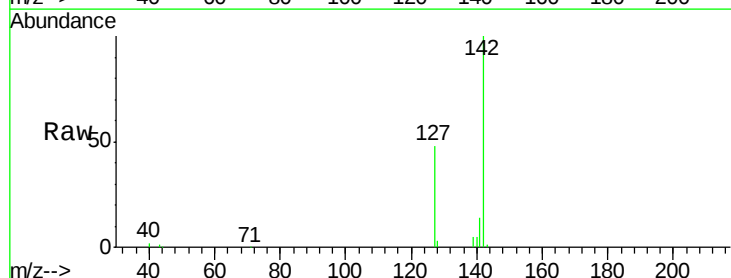
RT: 4.30 min Scan# 405

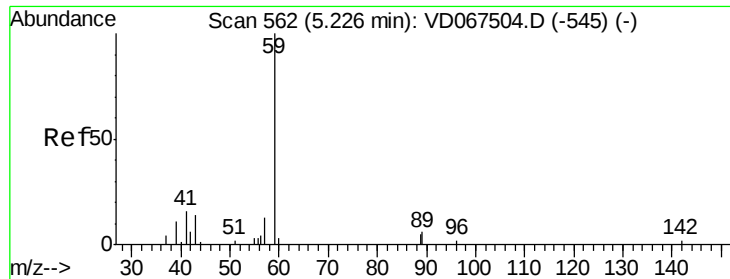
Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Tgt Ion:	142	Resp:	135857
Ion Ratio	Lower	Upper	
142	100		
127	51.5	40.0	60.0
141	14.3	11.7	17.5





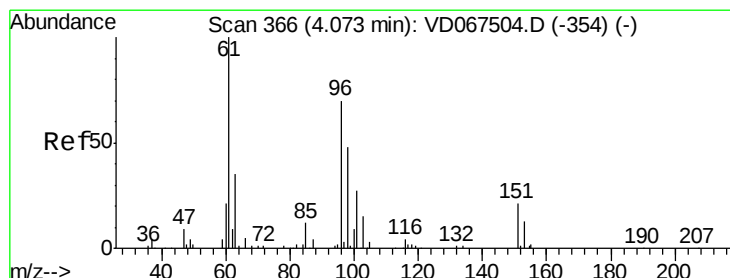
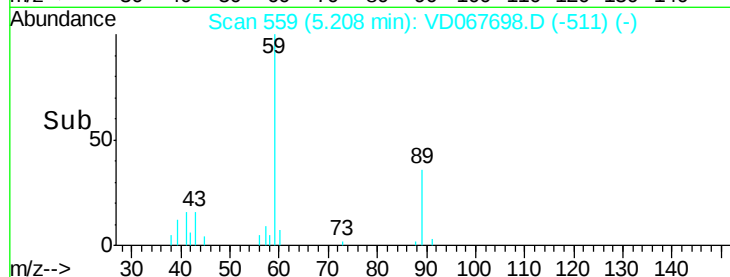
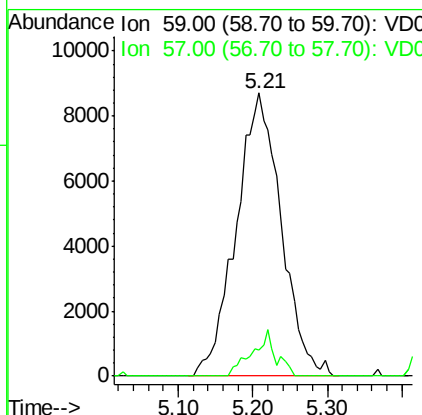
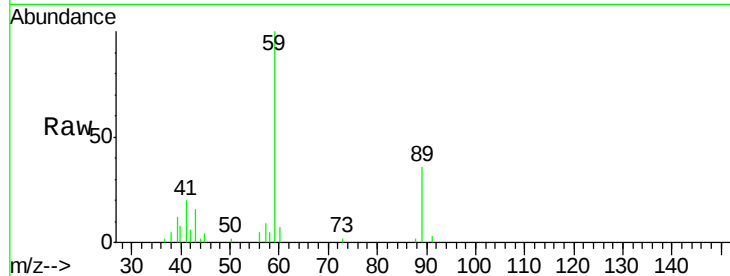
#11
Tert butyl alcohol
Concen: 342.382 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 36442
Ion Ratio Lower Upper
59 100
57 8.6 5.9 8.9

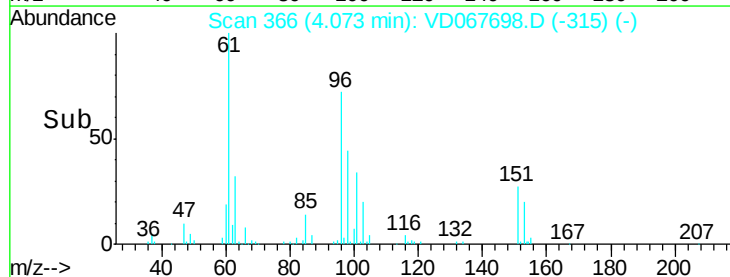
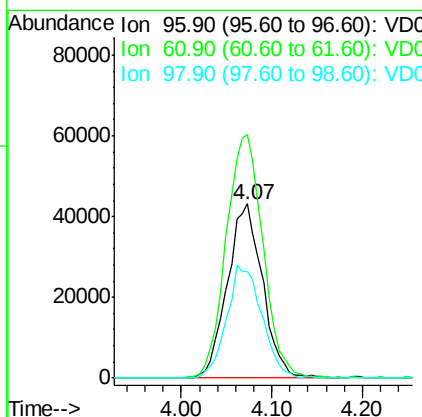
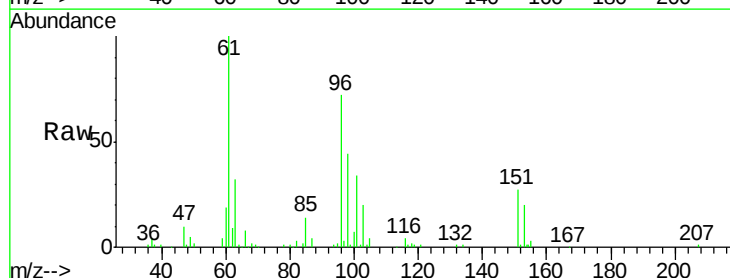
Manual Integrations
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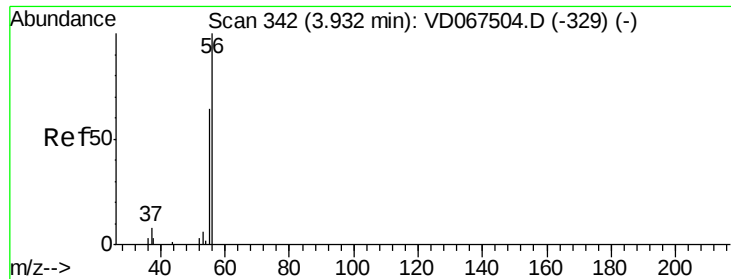
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.243 ug/l
RT: 4.07 min Scan# 366
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion: 96 Resp: 116273
Ion Ratio Lower Upper
96 100
61 139.1 114.5 171.7
98 61.1 54.5 81.7





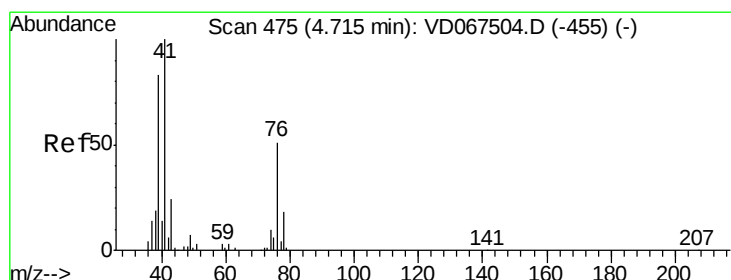
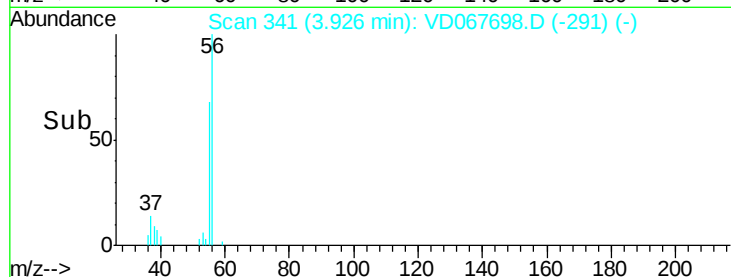
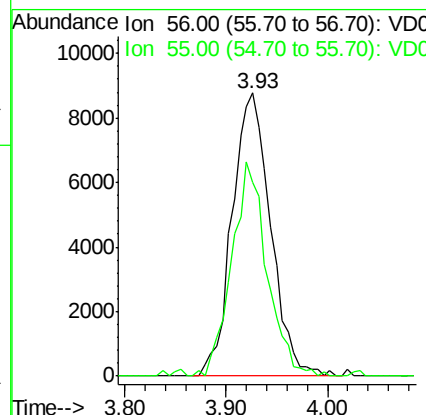
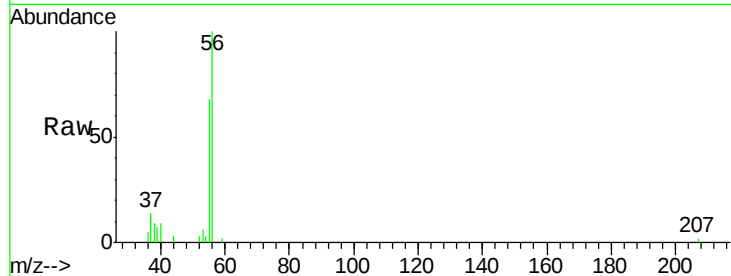
#13
Acrolein
Concen: 211.145 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	23106
Ion Ratio	100	Lower	Upper
56	100		
55	69.3	55.8	83.8

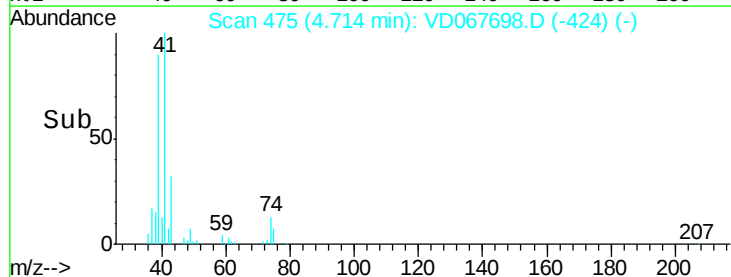
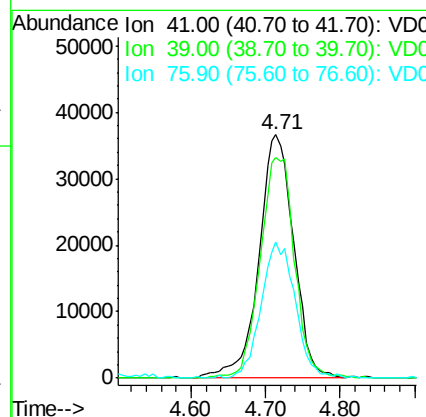
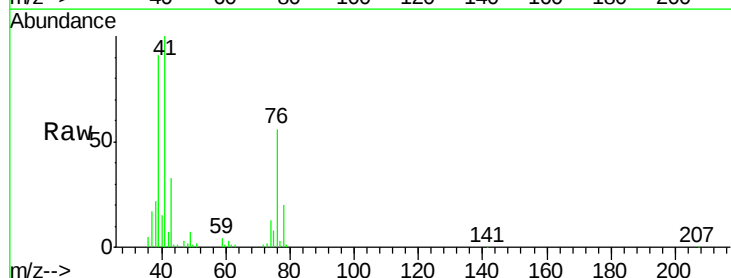
Manual Integrations
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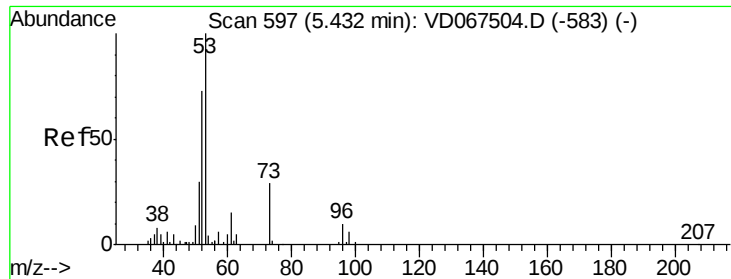
MMDadoda
11/20/2020 10:06:35 AM



#14
Allyl chloride
Concen: 45.991 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	41	Resp	118632
Ion Ratio	100	Lower	Upper
41	100		
39	89.9	67.4	101.0
76	54.6	42.2	63.2





#15

Acrylonitrile

Concen: 237.321 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

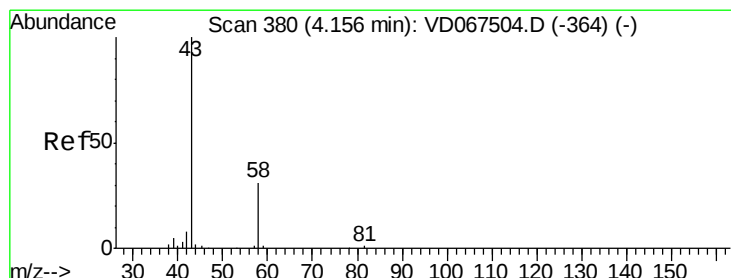
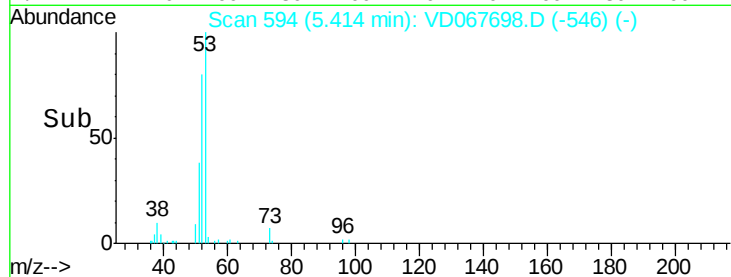
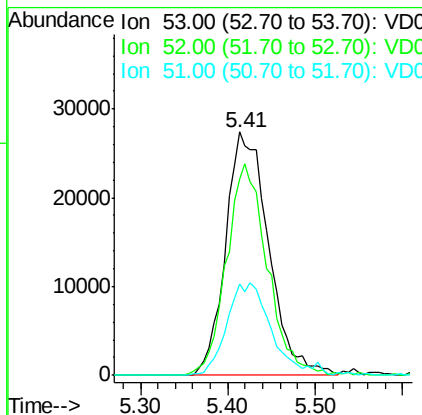
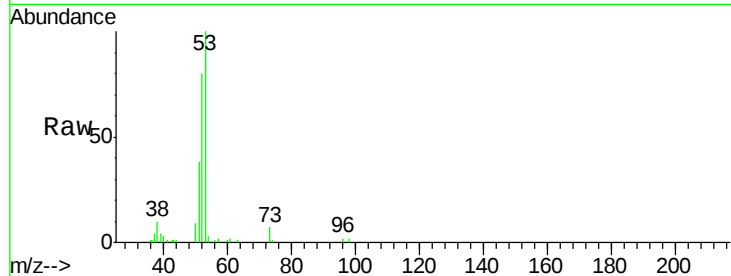
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	91760
Ion Ratio	Lower	Upper	
53	100		
52	82.3	64.8	97.2
51	37.8	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 284.884 ug/l

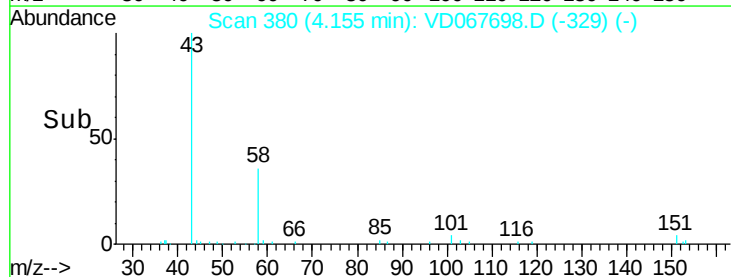
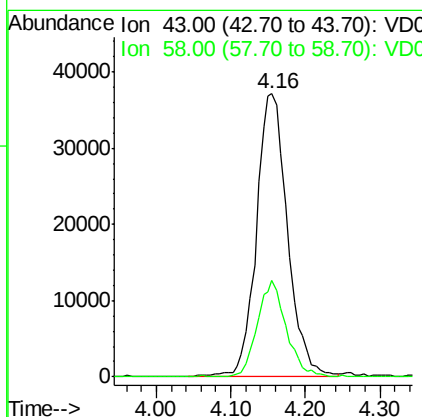
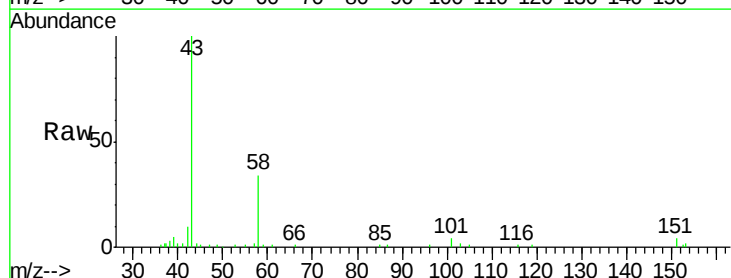
RT: 4.16 min Scan# 380

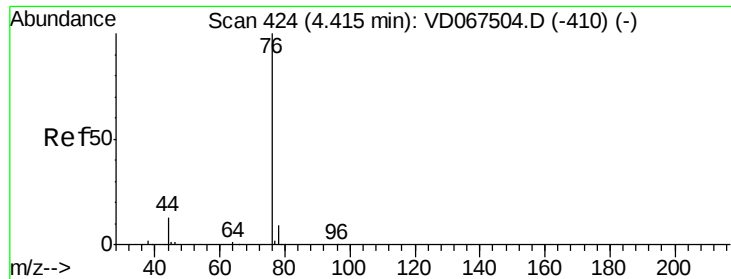
Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Tgt Ion:	43	Resp:	107641
Ion Ratio	Lower	Upper	
43	100		
58	34.0	25.2	37.8





#17

Carbon Disulfide

Concen: 43.006 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 317619

Ion Ratio Lower Upper

76 100

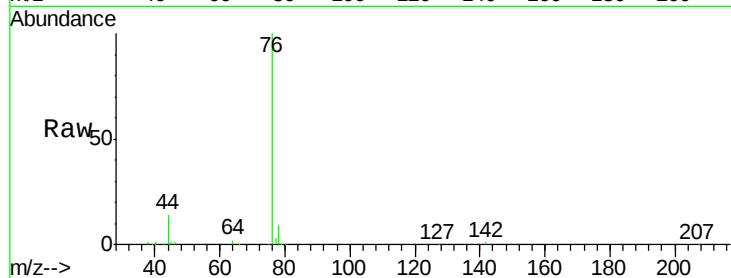
78 8.9 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

120000

100000

80000

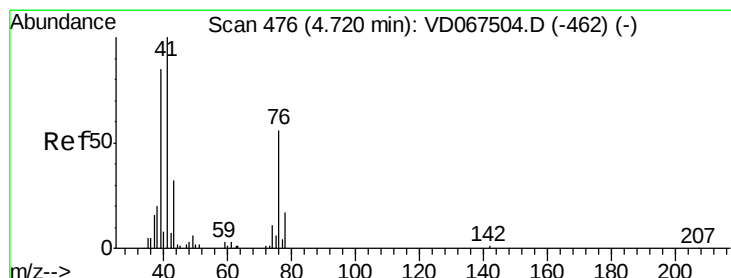
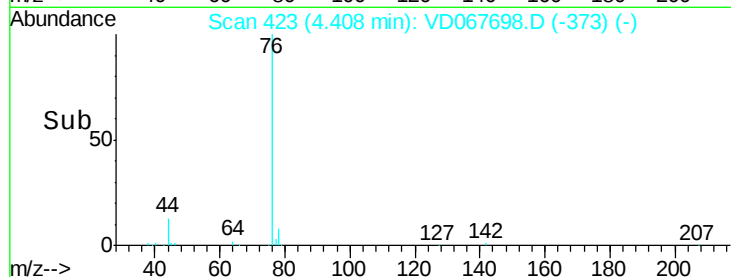
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 47.758 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067698.D

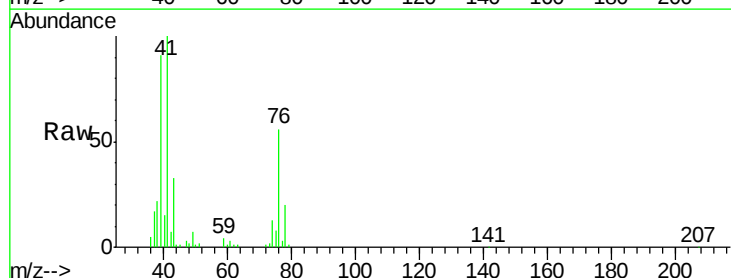
Acq: 19 Nov 2020 10:19

Tgt Ion: 43 Resp: 37289

Ion Ratio Lower Upper

43 100

74 36.7 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

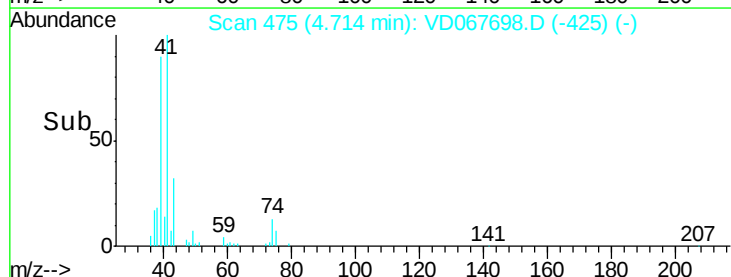
4.71

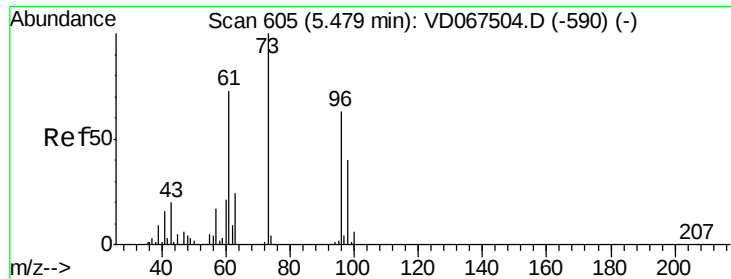
10000

5000

0

Time-->





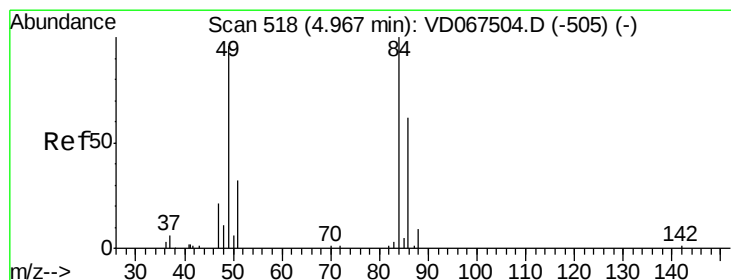
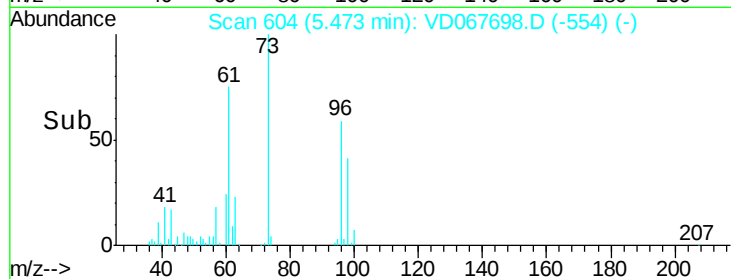
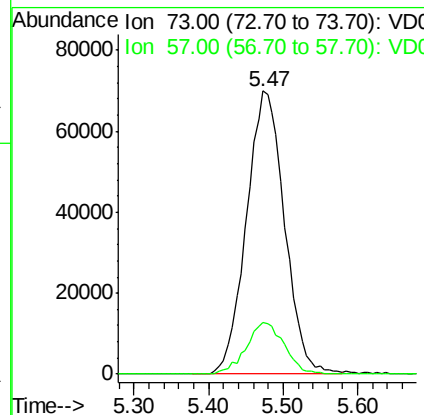
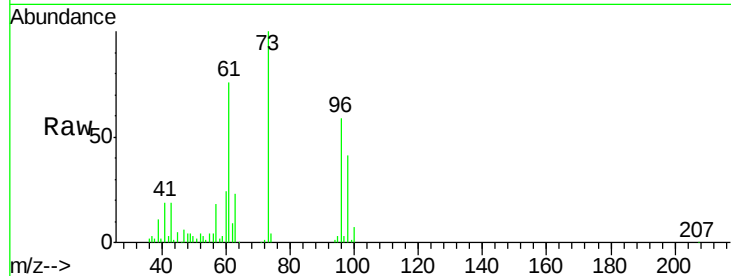
#19
Methvl tert-butvl Ether
Concen: 52.075 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 247569
Ion Ratio Lower Upper
73 100
57 18.3 13.4 20.0

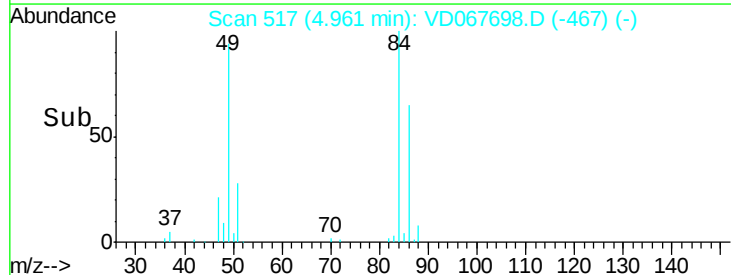
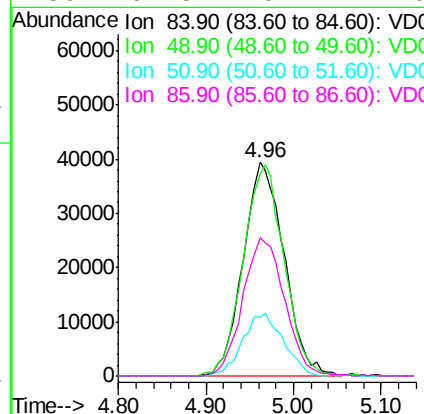
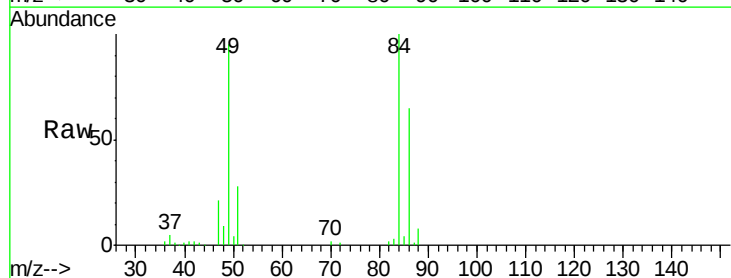
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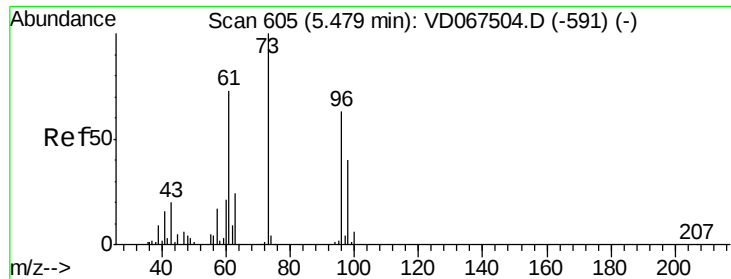
MMDadoda
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#20
Methylene Chloride
Concen: 47.064 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion: 84 Resp: 125615
Ion Ratio Lower Upper
84 100
49 94.6 77.0 115.4
51 27.6 25.4 38.2
86 64.5 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 46.118 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

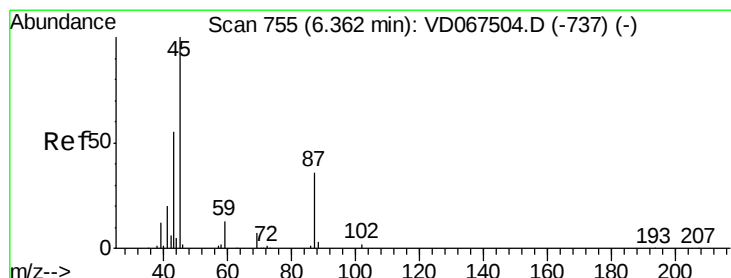
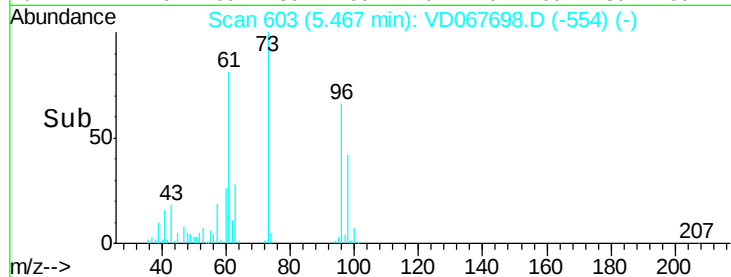
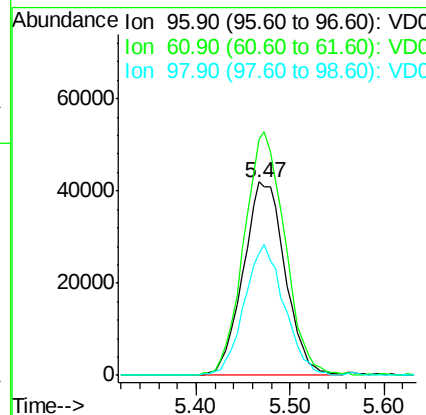
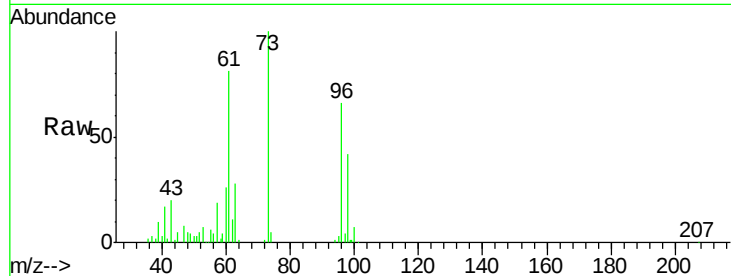
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	129463
Ion	Ratio	Lower	Upper
96	100		
61	122.0	93.0	139.6
98	63.2	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.484 ug/l

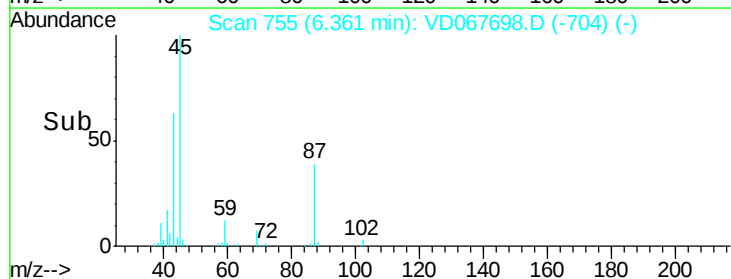
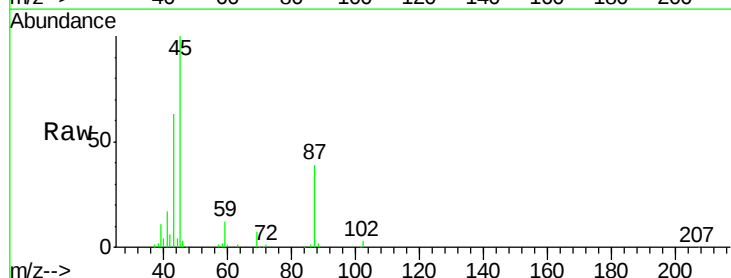
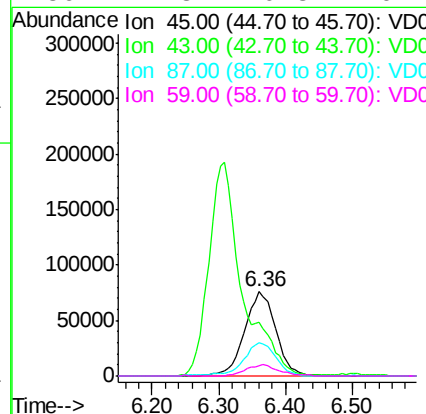
RT: 6.36 min Scan# 755

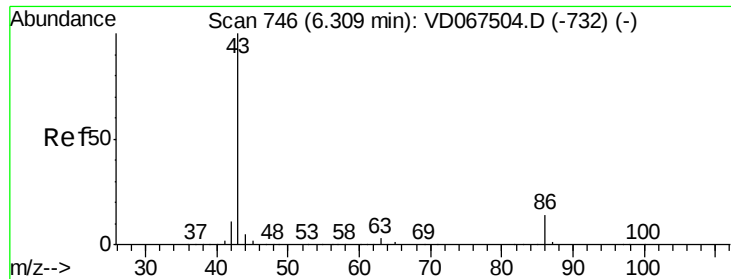
Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Tgt Ion:	45	Resp:	243716
Ion	Ratio	Lower	Upper
45	100		
43	60.8	46.2	69.4
87	39.4	29.4	44.2
59	12.3	10.8	16.2





#23

Vinyl Acetate

Concen: 254.496 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 669638

Ion Ratio Lower Upper

43 100

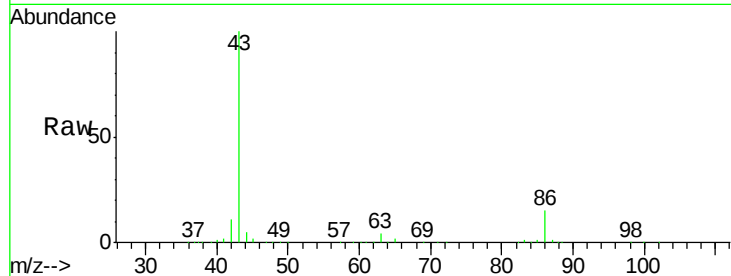
86 14.6 11.6 17.4

Manual Integrations

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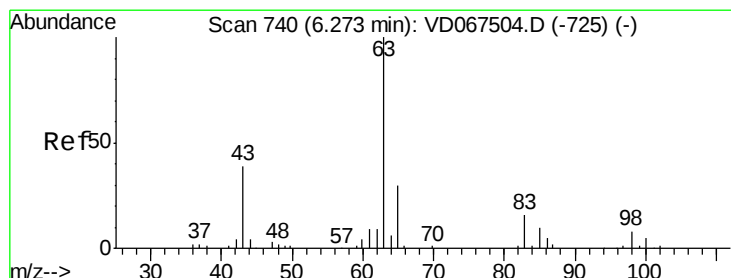
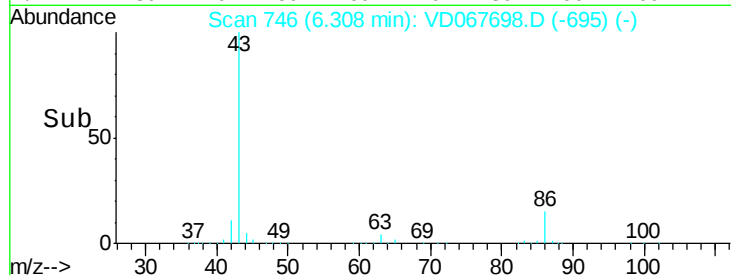
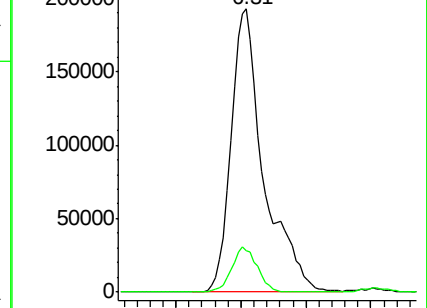
MMDadoda

11/20/2020 10:06:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.727 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

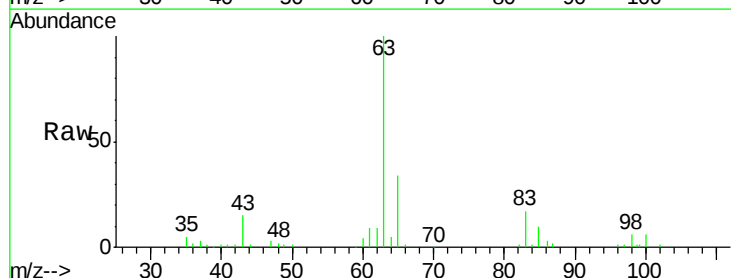
Tgt Ion: 63 Resp: 200378

Ion Ratio Lower Upper

63 100

98 6.5 3.9 11.5

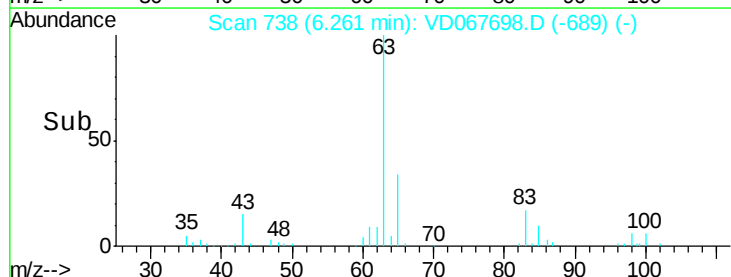
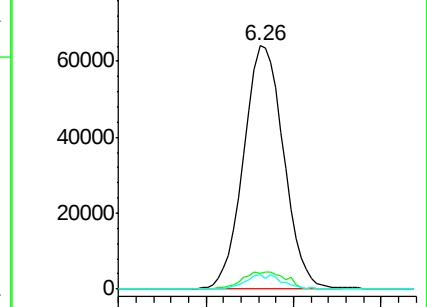
100 6.0 2.6 7.8

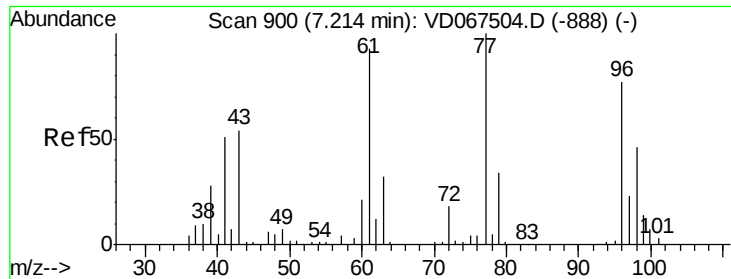


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





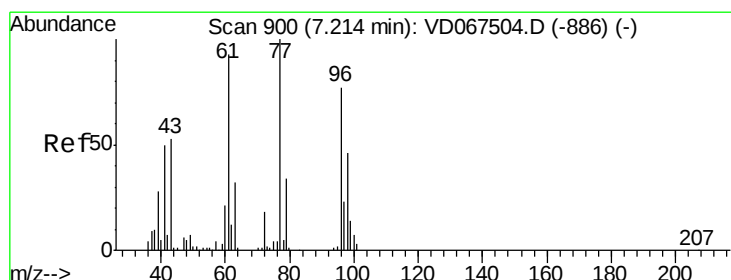
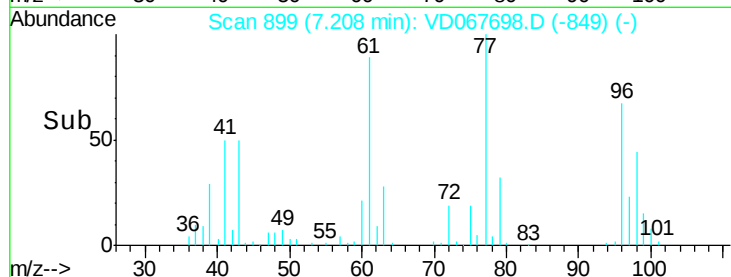
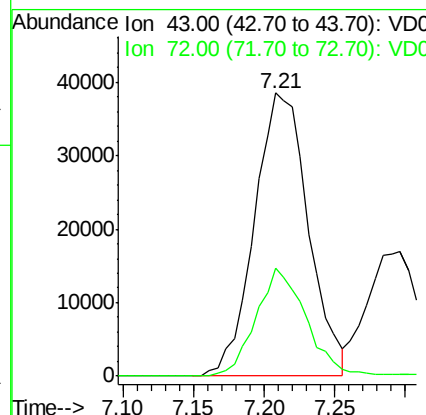
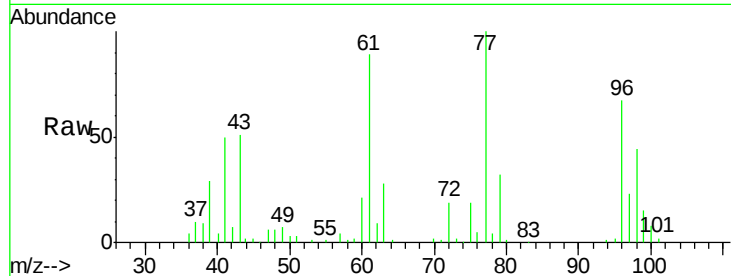
#25
2-Butanone
Concen: 255.037 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 102967
Ion Ratio Lower Upper
43 100
72 38.1 26.4 39.6

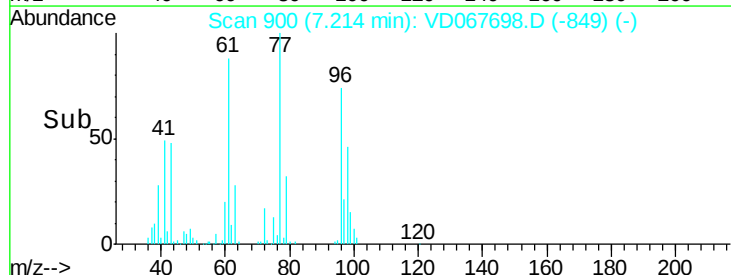
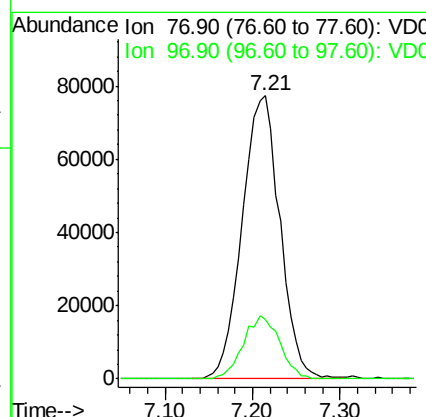
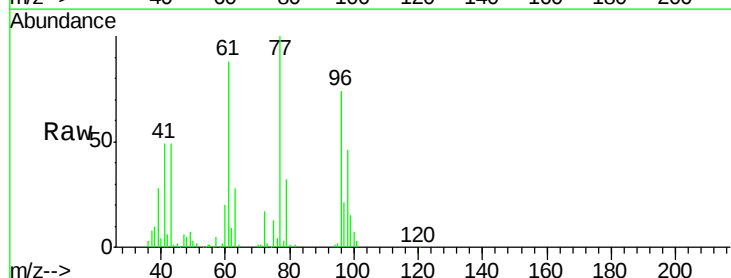
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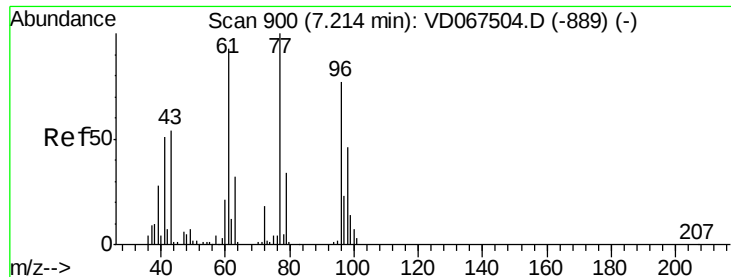
MMDadoda
11/20/2020 10:06:35 AM



#26
2,2-Dichloropropane
Concen: 52.244 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion: 77 Resp: 226744
Ion Ratio Lower Upper
77 100
97 21.6 11.1 33.3





#27

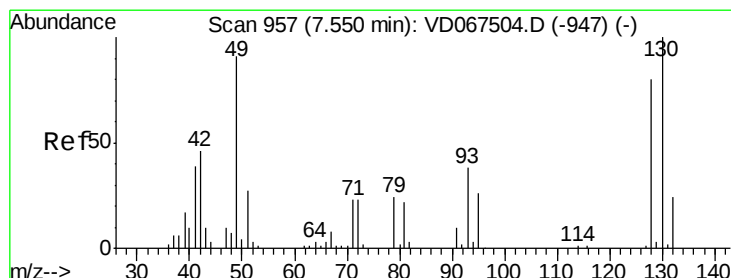
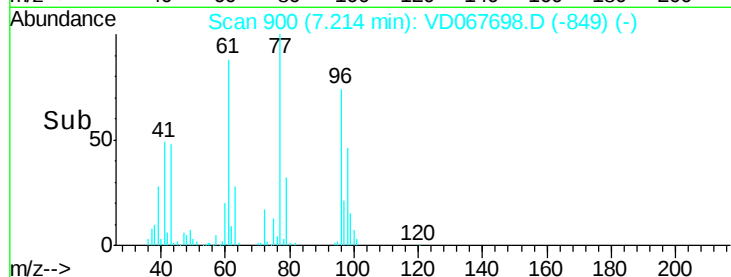
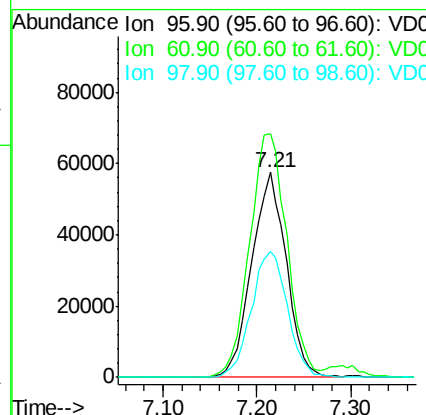
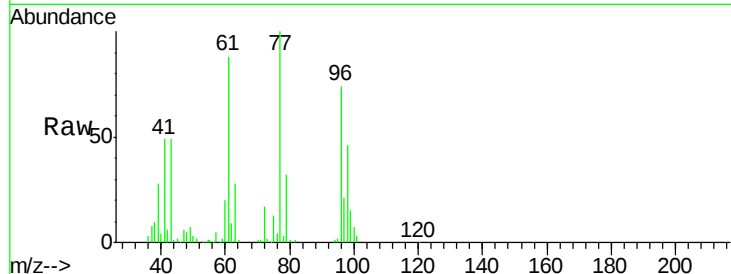
cis-1,2-Dichloroethene
Concen: 50.239 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	146384		
61	128.1	0.0	251.6	
98	64.6	0.0	128.0	

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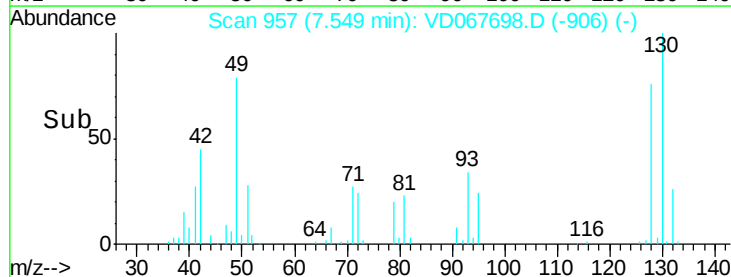
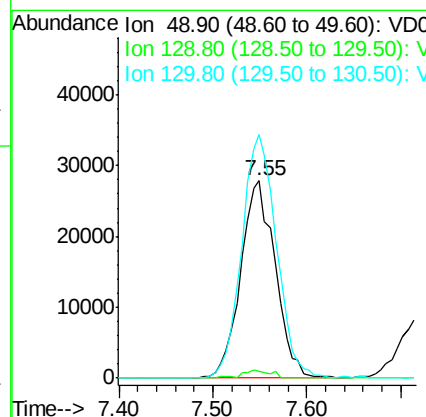
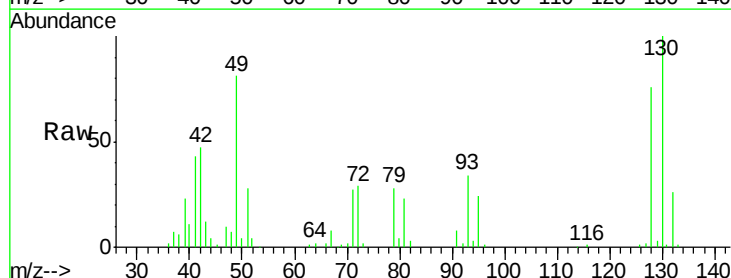
MMDadoda
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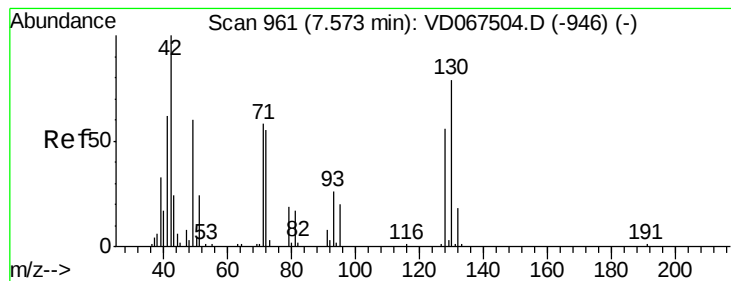


#28

Bromochloromethane
Concen: 48.503 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70949		
129	3.3	0.0	6.4	
130	124.0	94.6	142.0	





#29

Tetrahydrofuran

Concen: 240.215 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

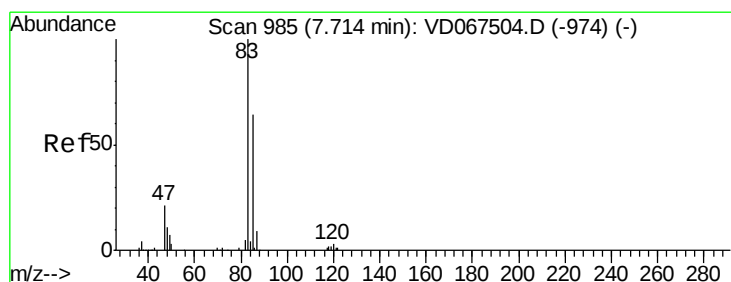
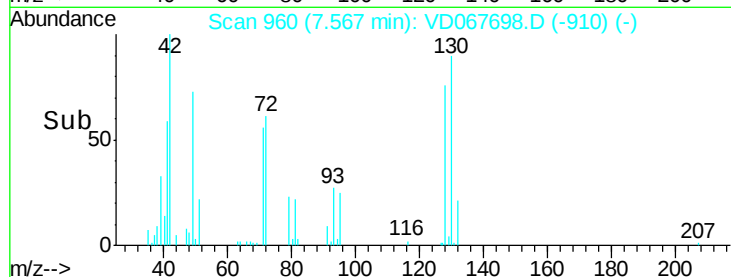
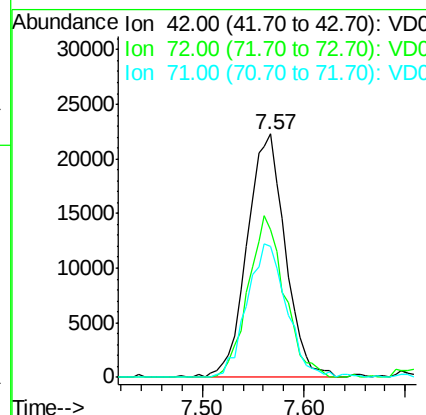
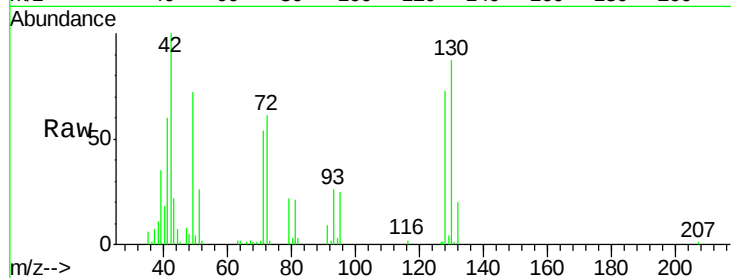
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	58093
Ion	Ratio	Lower	Upper
42	100		
72	63.4	46.3	69.5
71	56.7	44.0	66.0

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#30

Chloroform

Concen: 50.019 ug/l

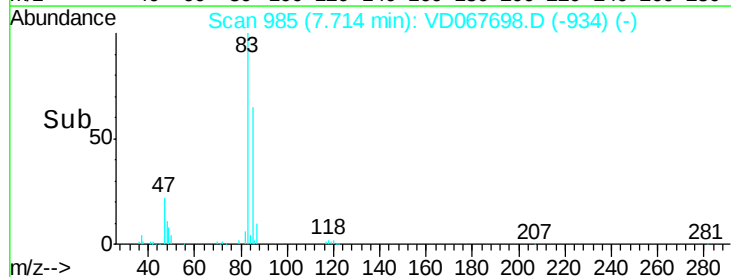
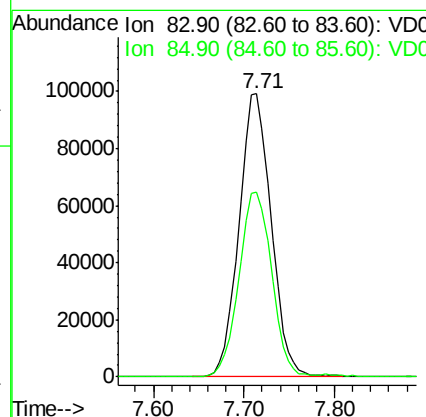
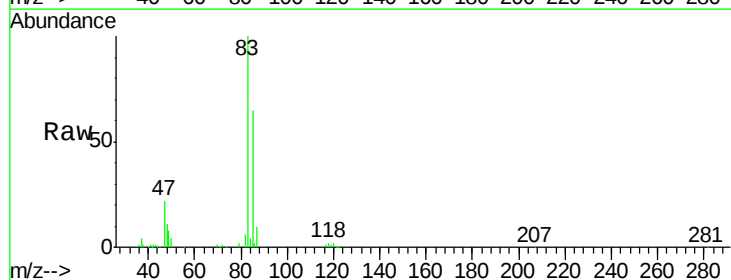
RT: 7.71 min Scan# 985

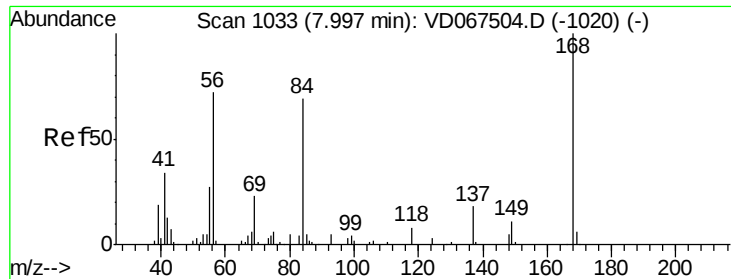
Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Tgt Ion:	83	Resp:	245394
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.5	77.3





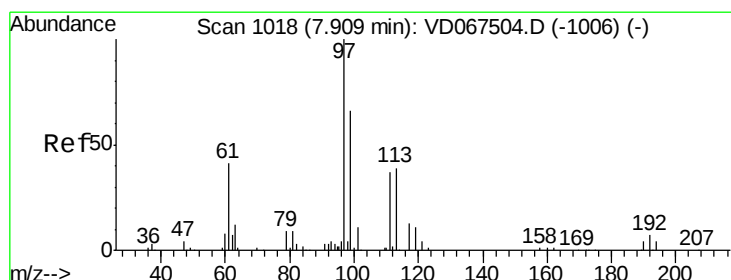
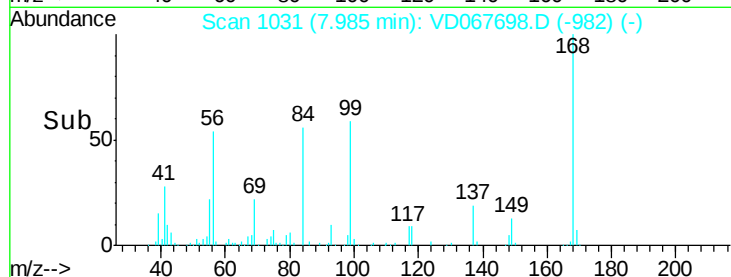
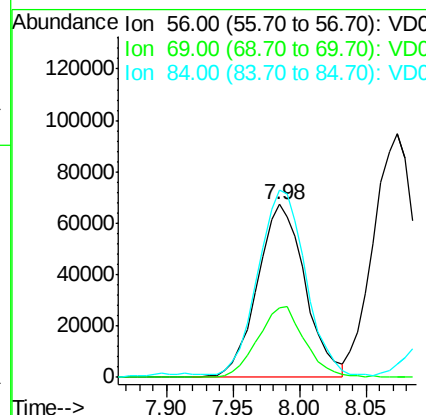
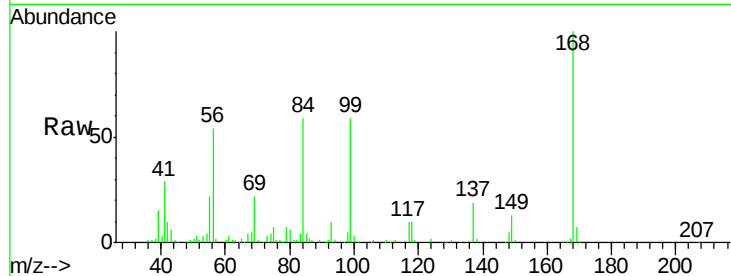
#31
Cyclohexane
Concen: 45.516 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.4	25.9	38.9#
84	107.0	76.2	114.4

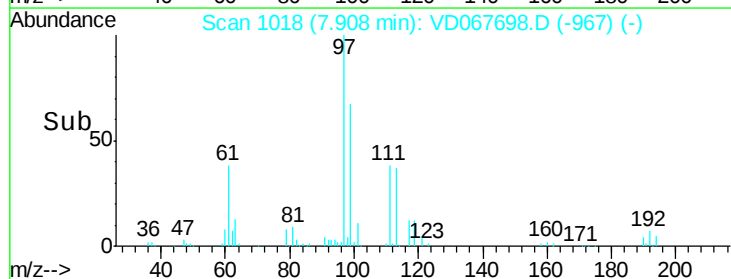
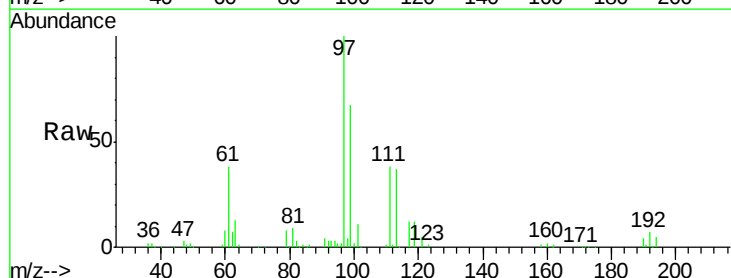
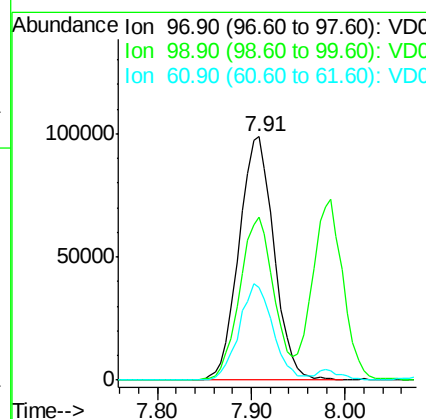
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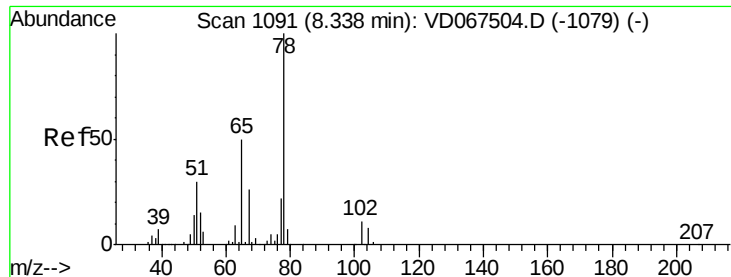
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#32
1,1,1-Trichloroethane
Concen: 50.408 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.8	77.6
61	38.1	30.5	45.7





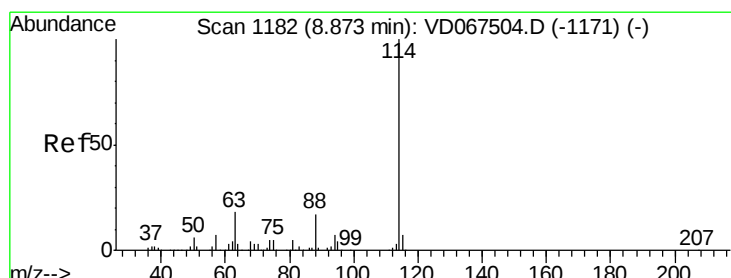
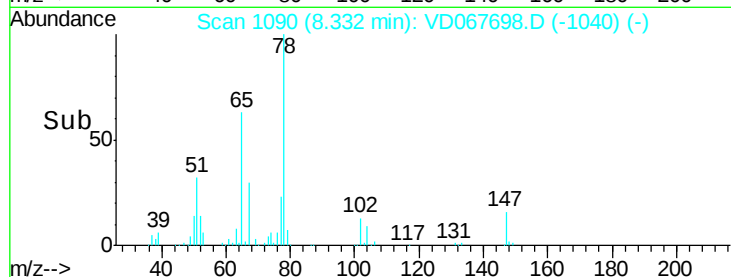
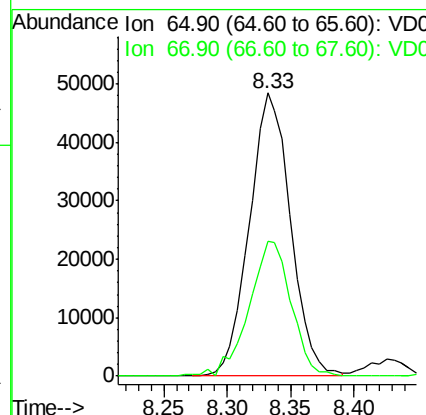
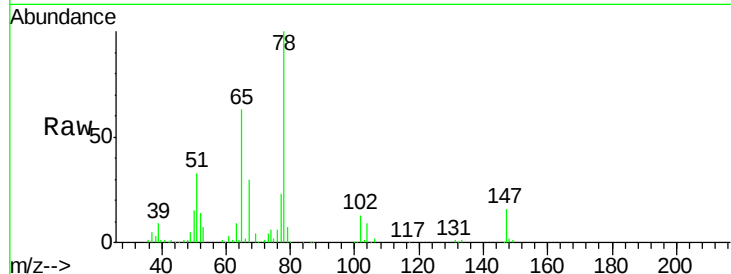
#33
 1,2-Dichloroethane-d4
 Concen: 43.425 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109644		
67	48.9	0.0	99.4	

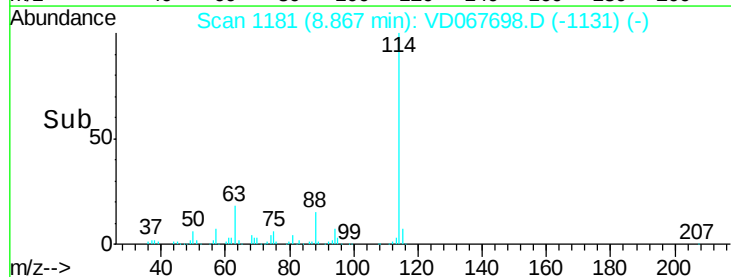
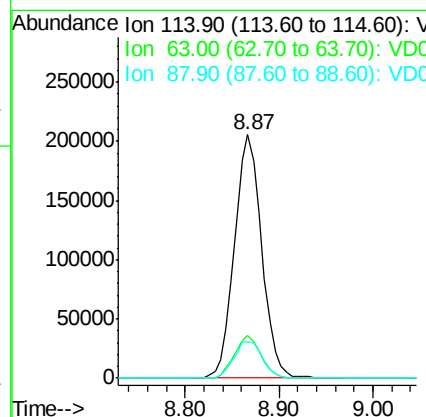
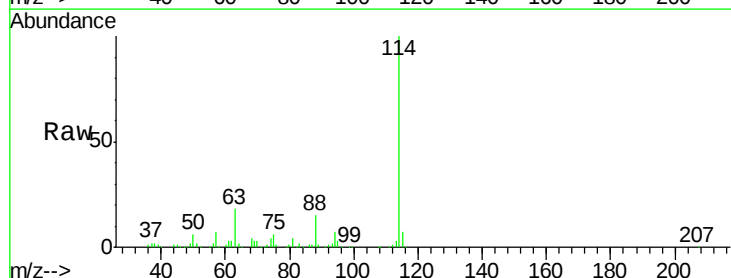
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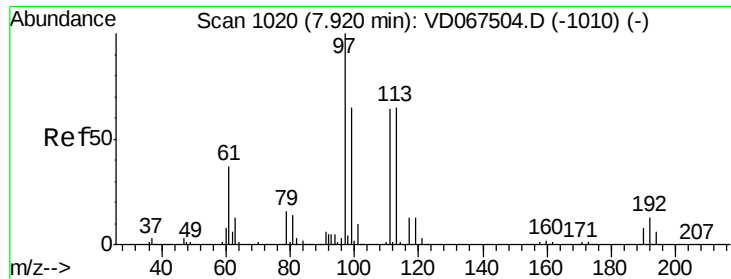
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	413403		
63	17.8	0.0	35.0	
88	14.7	0.0	33.0	





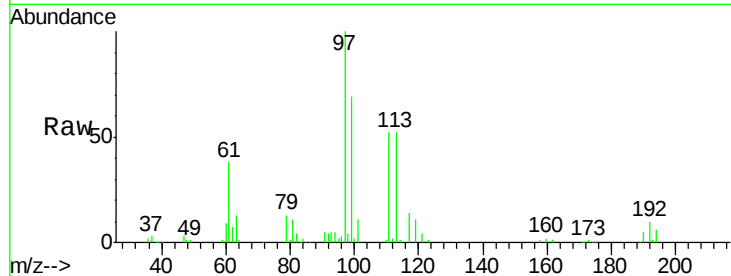
#35
 Dibromofluoromethane
 Concen: 44.241 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

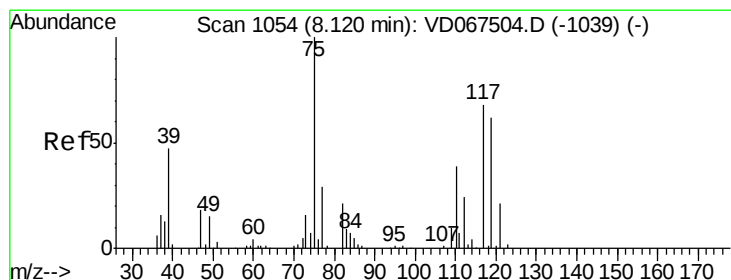
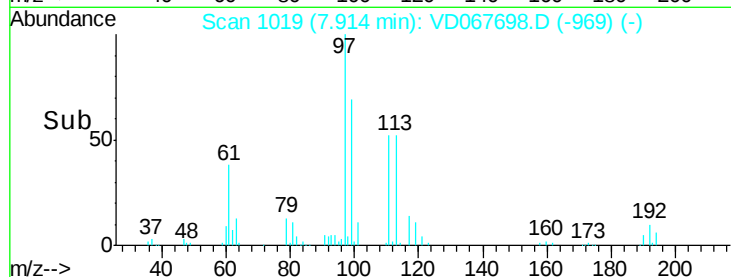
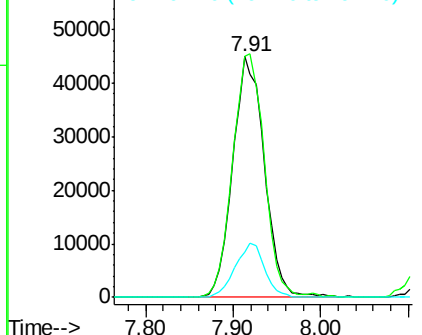
Tot Ion	Ratio	Resp	Lower	Upper
113	100	110193		
111	100.5	80.0	120.0	
192	21.0	16.3	24.5	

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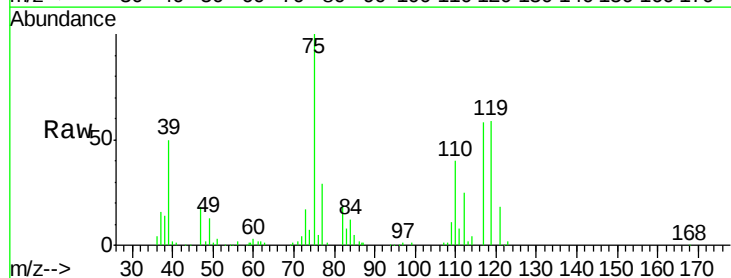


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

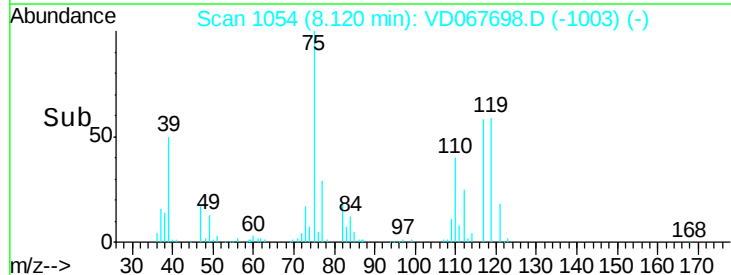
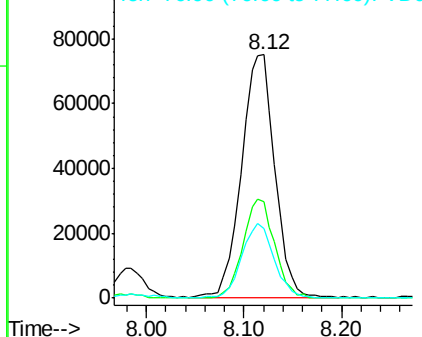


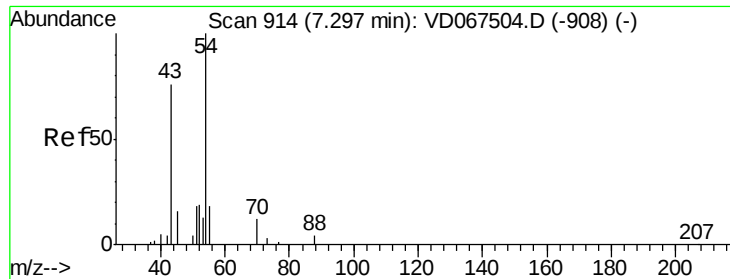
#36
 1,1-Dichloropropene
 Concen: 50.486 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178652		
110	38.8	19.9	59.7	
77	30.4	24.8	37.2	



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





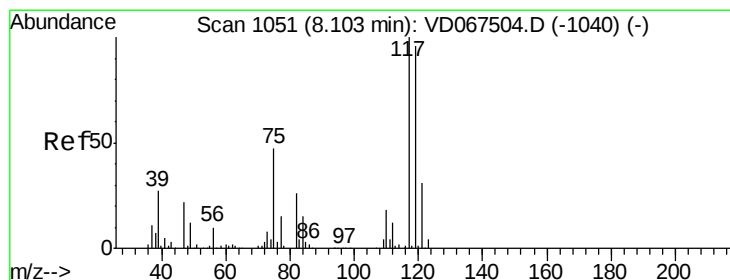
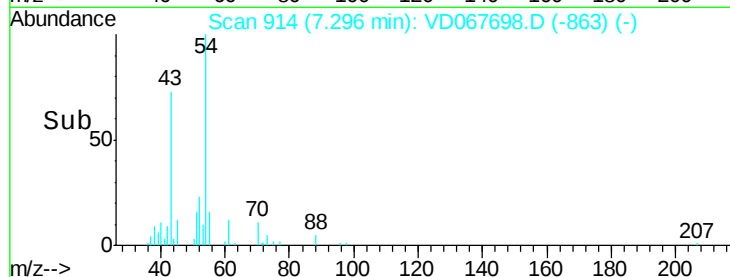
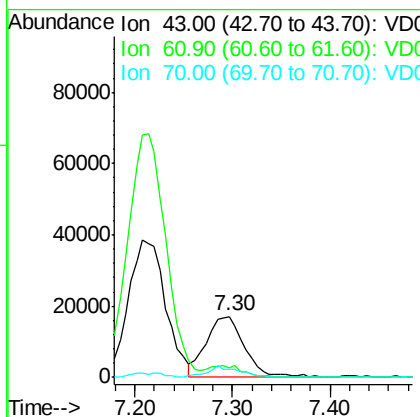
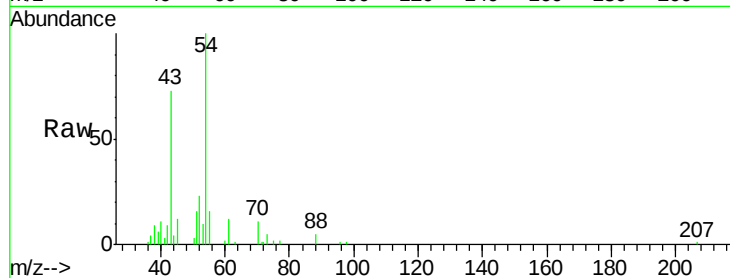
#37
Ethyl Acetate
Concen: 51.368 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.8	19.2
70	14.6	11.7	17.5

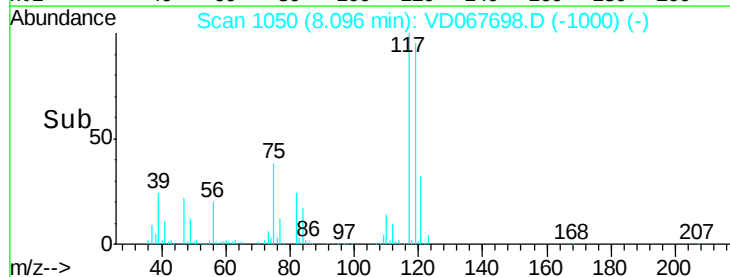
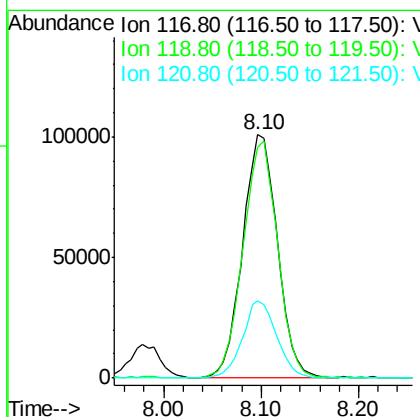
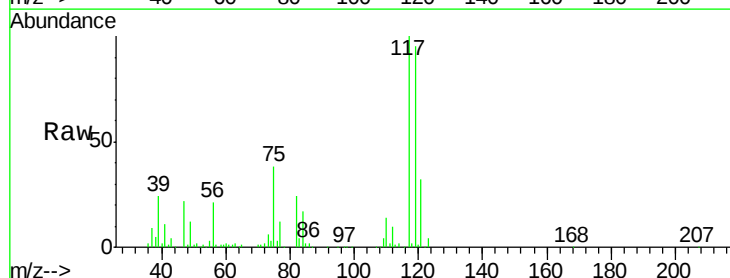
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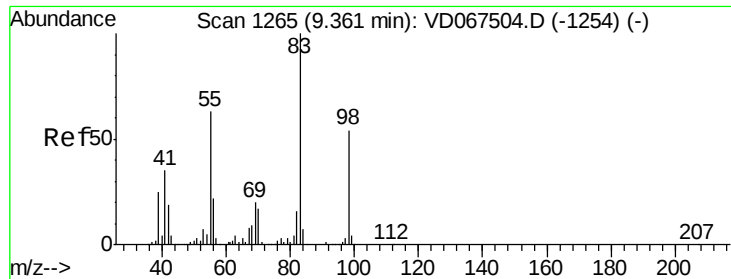
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#38
Carbon Tetrachloride
Concen: 54.859 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.9	115.3
121	31.9	24.5	36.7





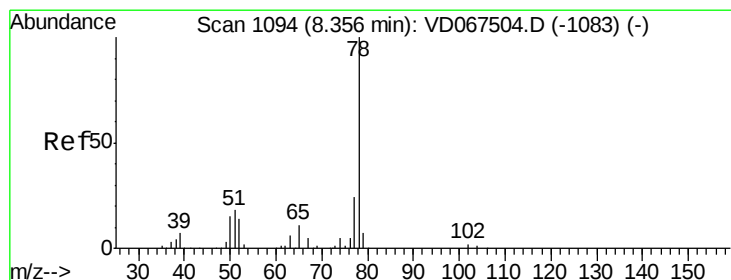
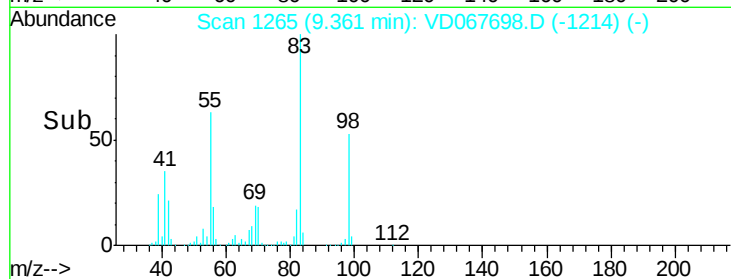
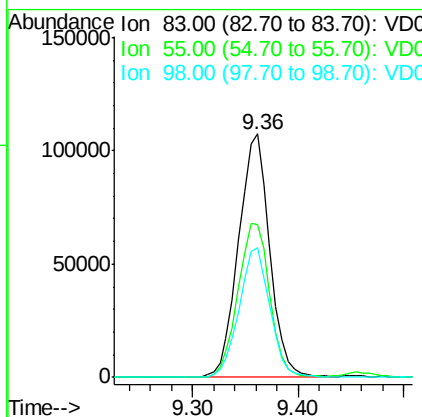
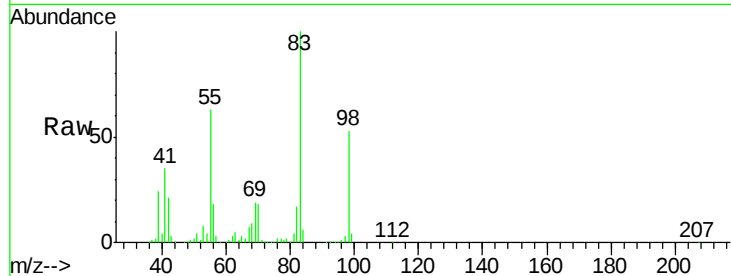
#39
Methvlcvclohexane
Concen: 52.799 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.0	50.5	75.7
98	53.3	43.4	65.0

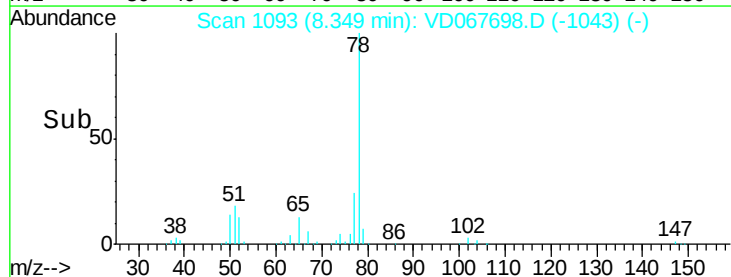
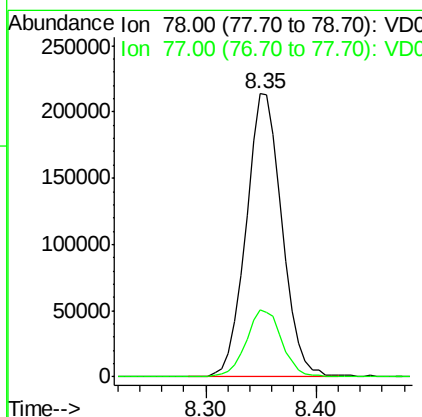
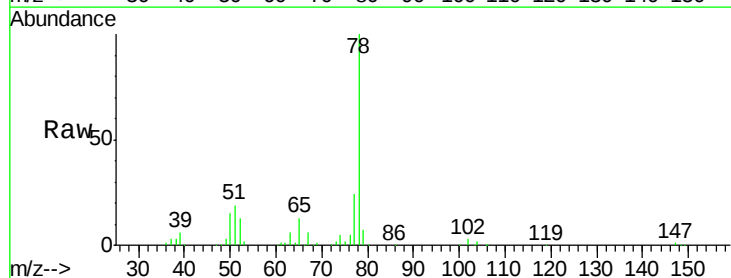
Manual Integrations
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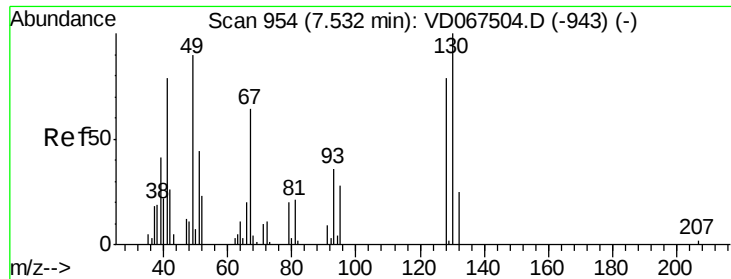
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#40
Benzene
Concen: 50.930 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





#41

Methacrylonitrile

Concen: 57.283 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 31457

Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

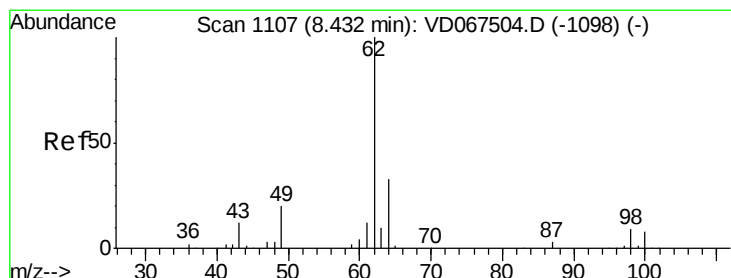
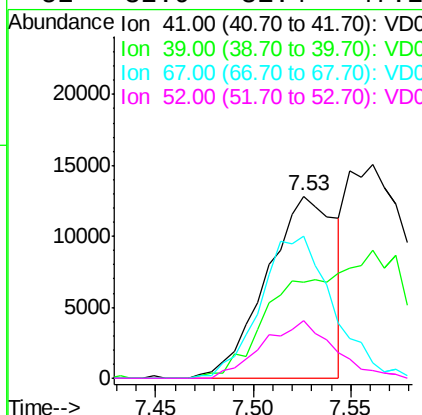
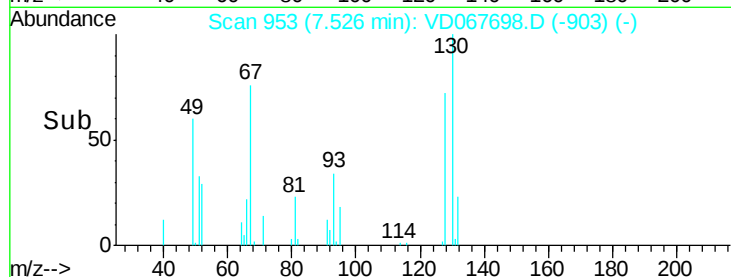
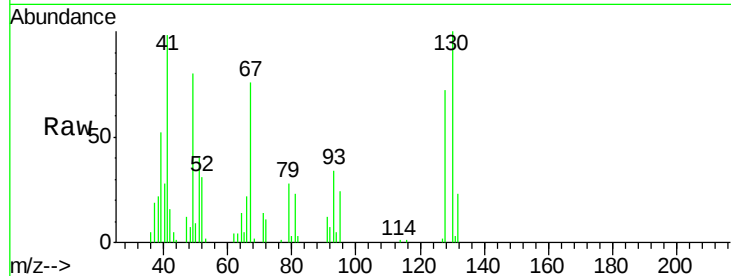
67 82.0 78.9 118.3

52 32.9 31.4 47.2

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#42

1,2-Dichloroethane

Concen: 52.224 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067698.D

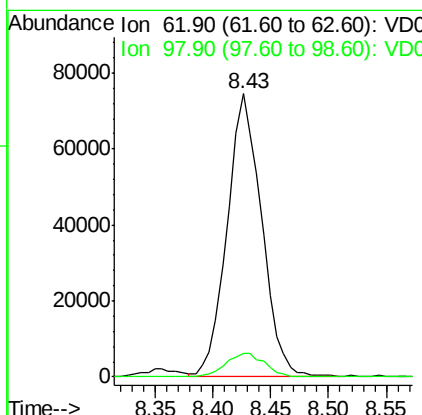
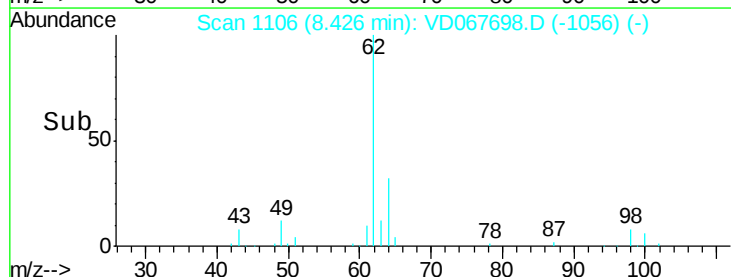
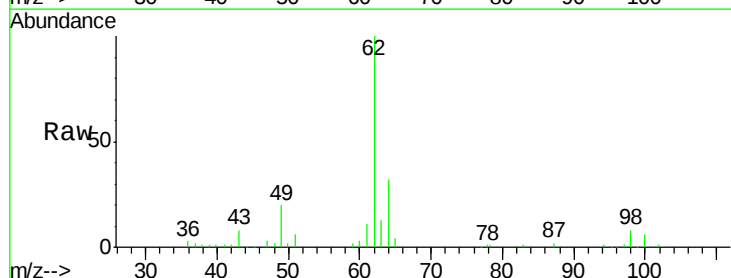
Acq: 19 Nov 2020 10:19

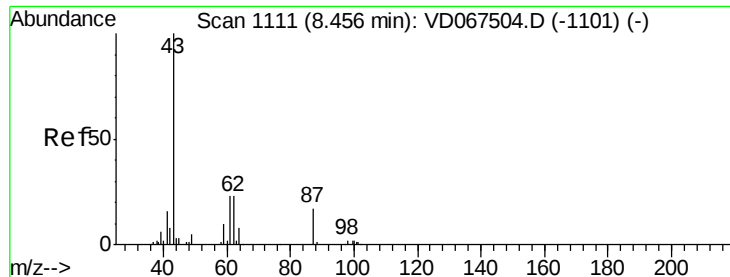
Tgt Ion: 62 Resp: 154665

Ion Ratio Lower Upper

62 100

98 9.4 0.0 19.8





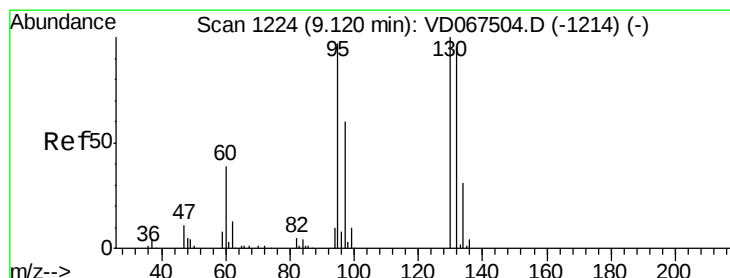
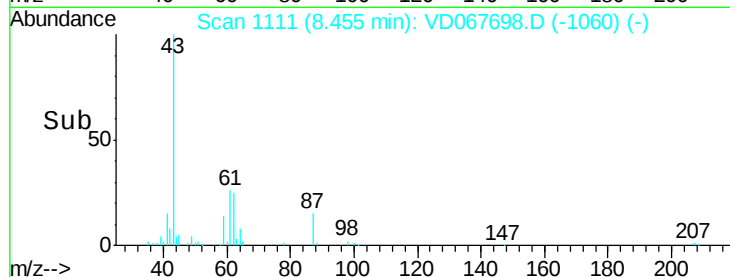
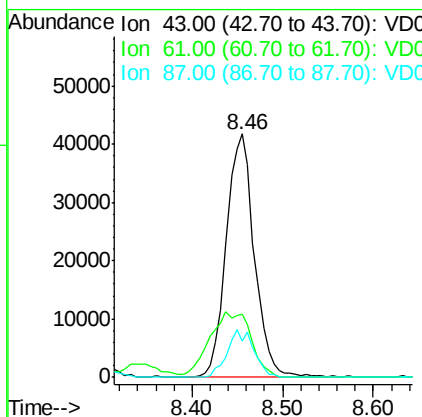
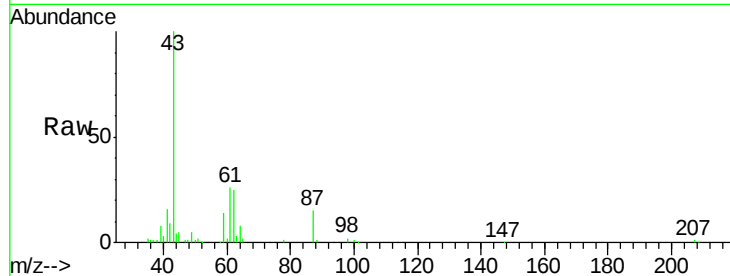
#43
Isopropyl Acetate
Concen: 49.578 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	39.7	30.5	45.7
87	18.7	14.7	22.1

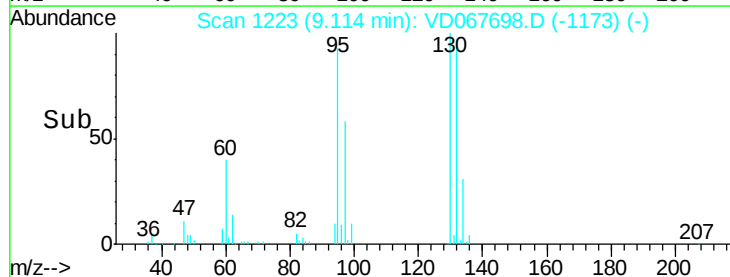
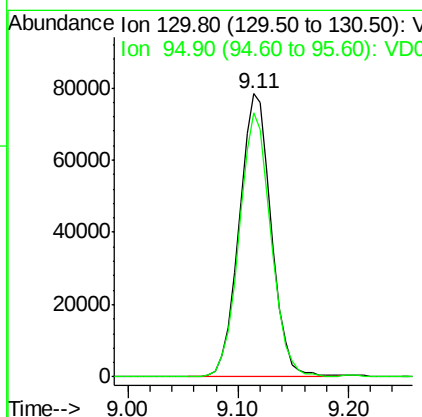
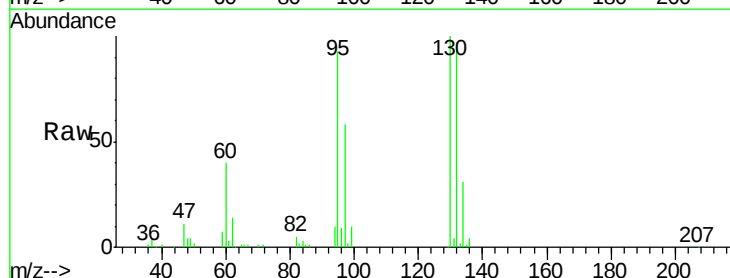
Manual Integrations
APPROVED

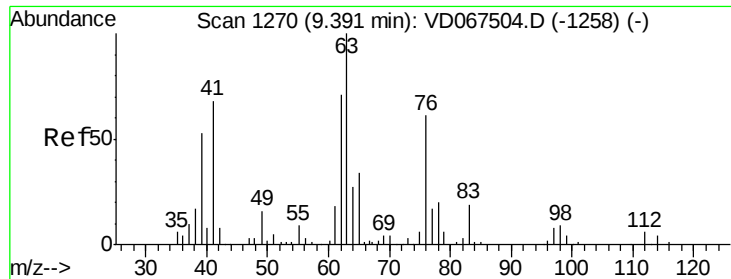
MMDadoda
11/20/2020 10:06:35 AM



#44
Trichloroethene
Concen: 50.639 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	194.4





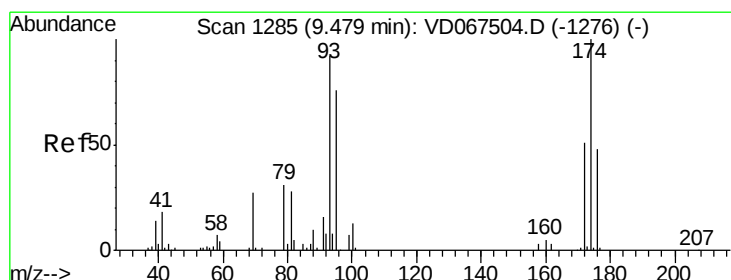
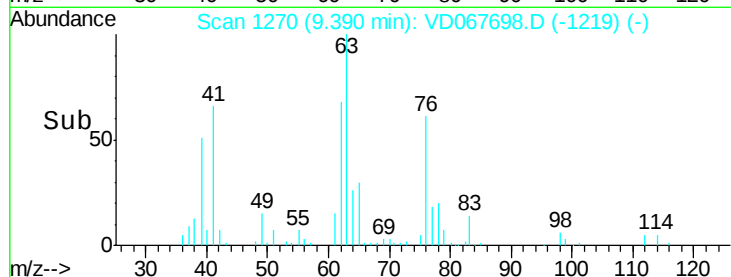
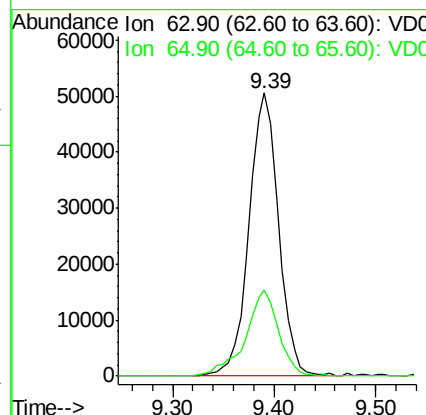
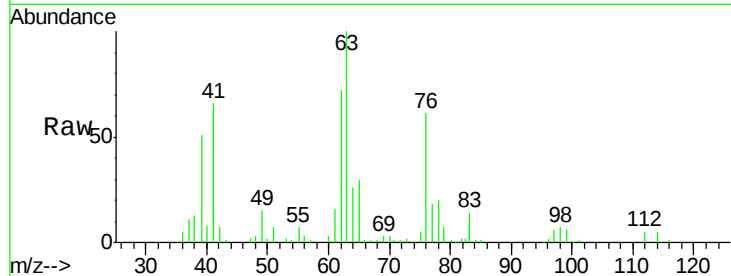
#45
 1,2-Dichloropropane
 Concen: 49.315 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	26.9	40.3

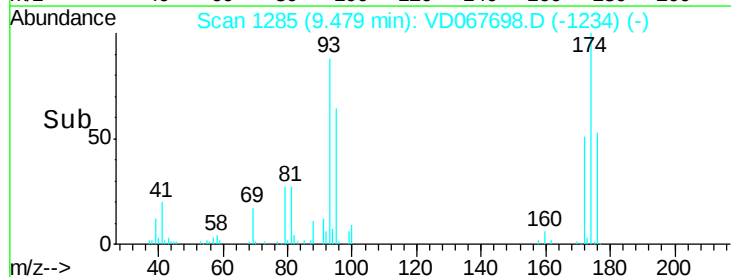
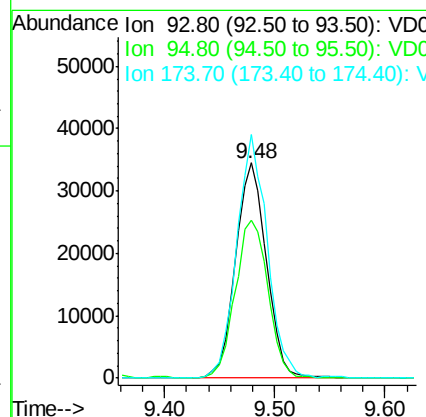
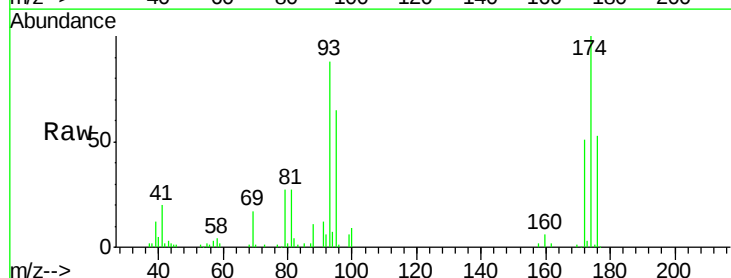
Manual Integrations
 APPROVED

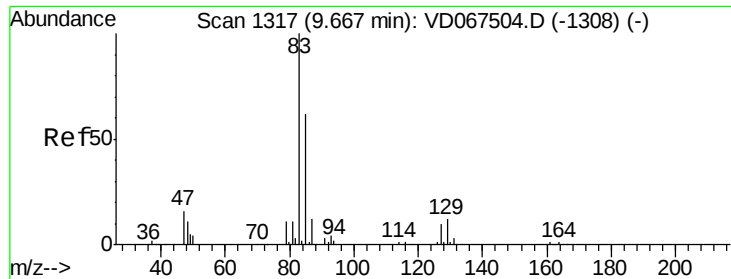
MMDadoda
 11/20/2020 10:06:35 AM



#46
 Dibromomethane
 Concen: 51.524 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	77.7	66.4	99.6
174	111.8	88.2	132.4





#47

Bromodichloromethane

Concen: 52.130 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

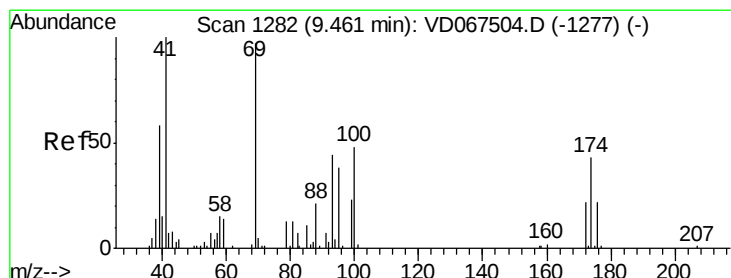
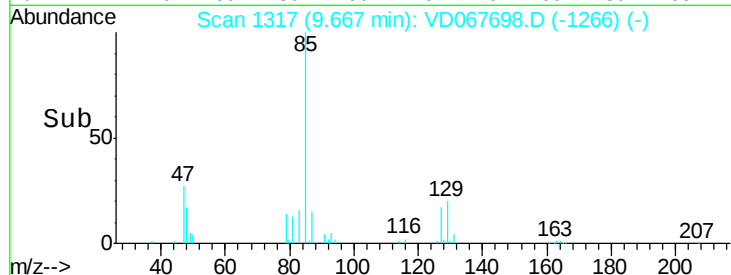
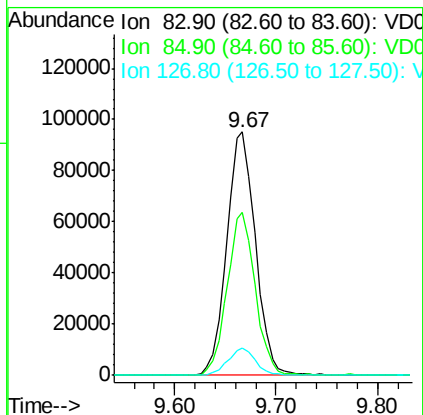
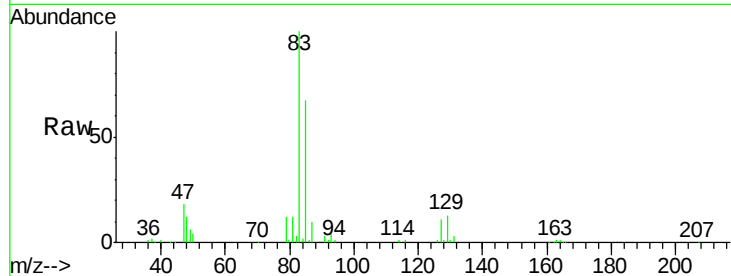
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	186704
Ion	Ratio	Lower	Upper
83	100		
85	66.8	49.4	74.2
127	11.1	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
11/20/2020 10:06:35 AM



#48

Methyl methacrylate

Concen: 47.590 ug/l

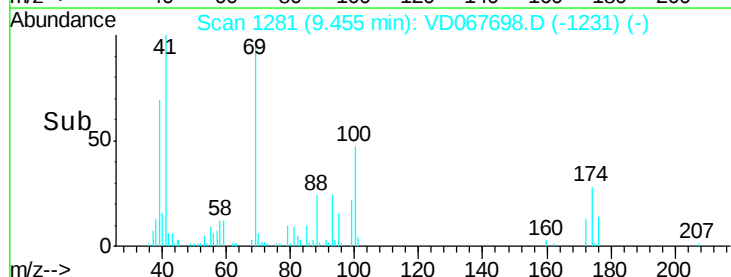
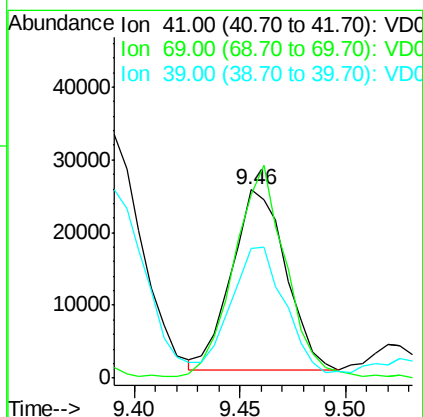
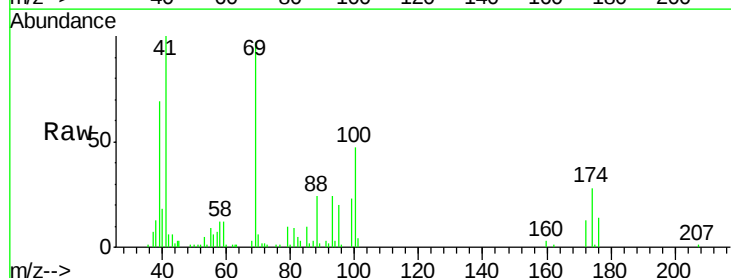
RT: 9.46 min Scan# 1281

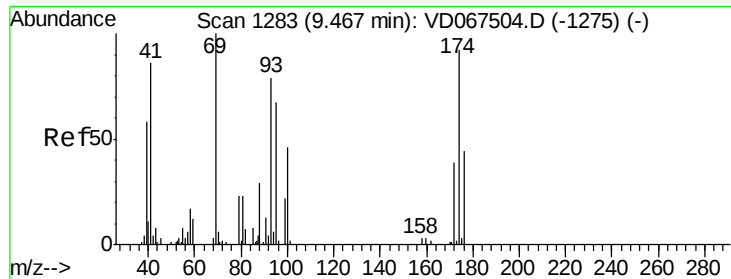
Delta R.T. -0.01 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Tgt Ion:	41	Resp:	44645
Ion	Ratio	Lower	Upper
41	100		
69	112.7	80.6	121.0
39	67.0	50.2	75.4





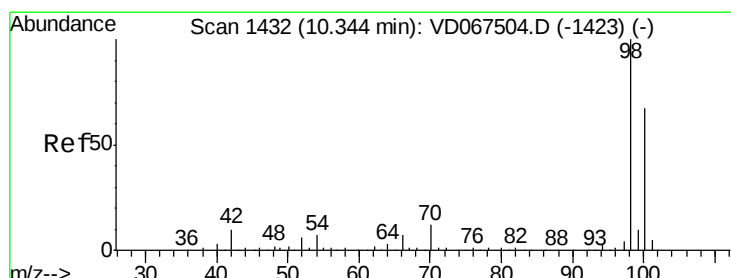
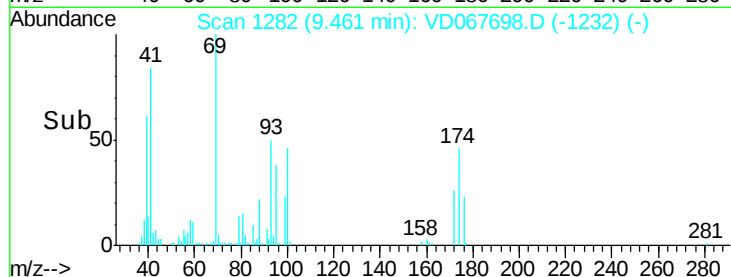
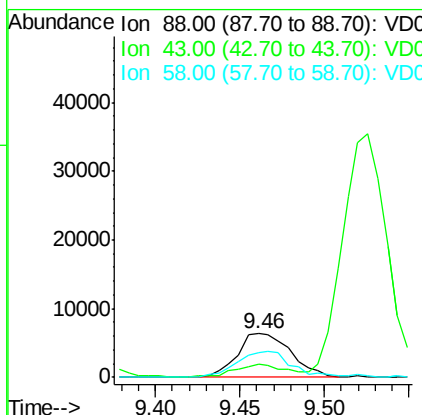
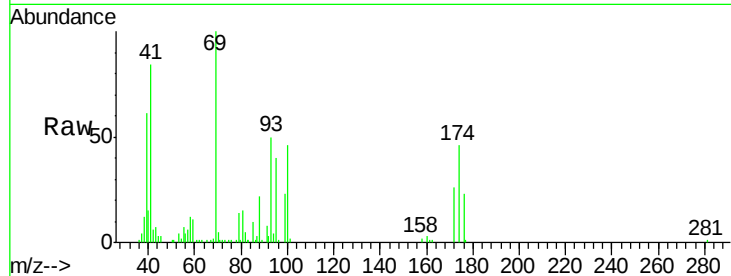
#49
1,4-Dioxane
Concen: 1046.275 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	23.6	35.4
58	61.2	44.7	67.1

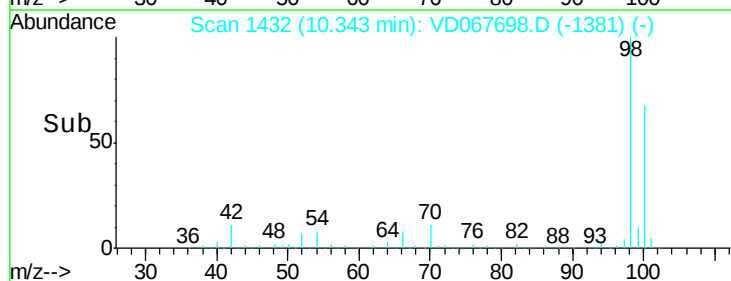
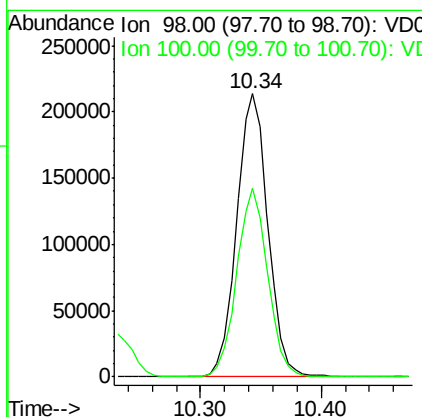
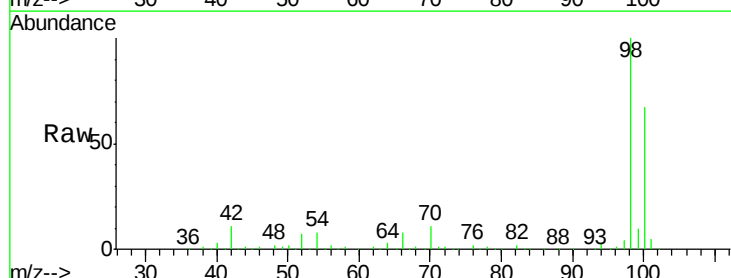
Manual Integrations
APPROVED

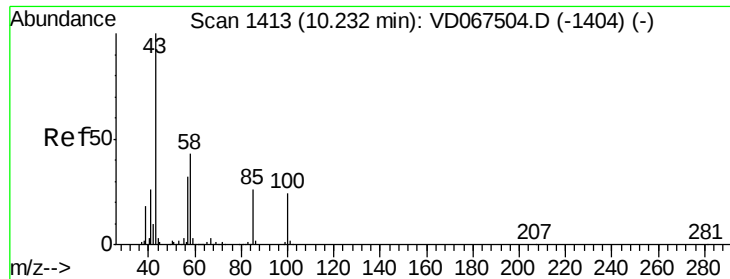
MMDadoda
11/20/2020 10:06:35 AM



#50
Toluene-d8
Concen: 43.914 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 261.829 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 227514

Ion Ratio Lower Upper

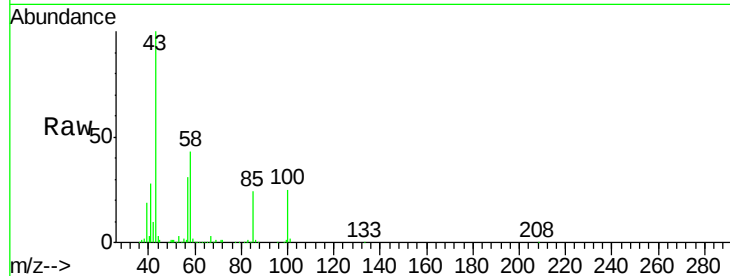
43 100

58 44.7 35.6 53.4

Manual Integrations
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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

150000

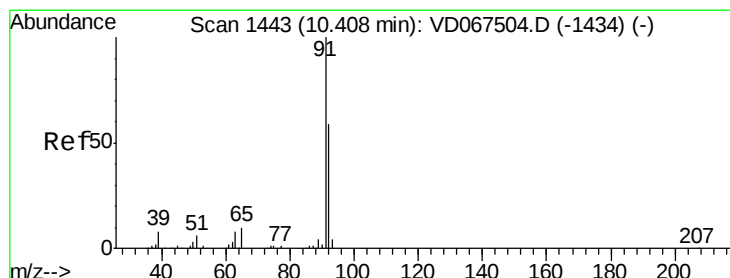
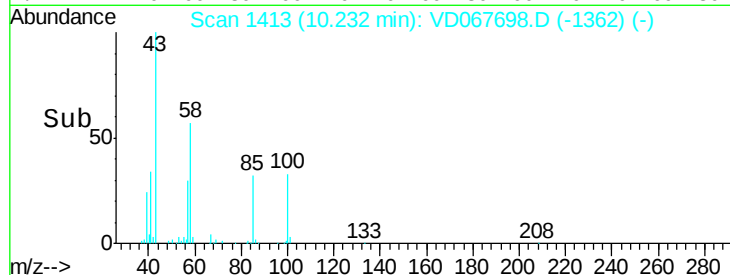
10.23

100000

50000

0

Time-->



#52

Toluene

Concen: 53.142 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067698.D

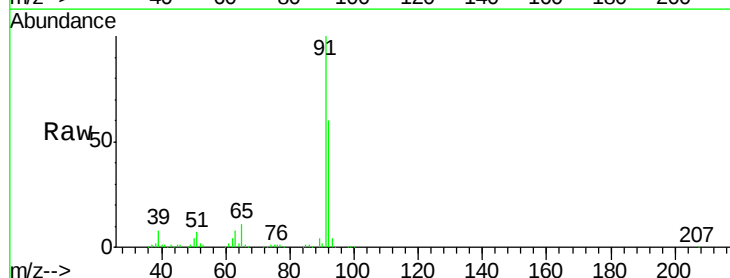
Acq: 19 Nov 2020 10:19

Tgt Ion: 92 Resp: 341185

Ion Ratio Lower Upper

92 100

91 170.1 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

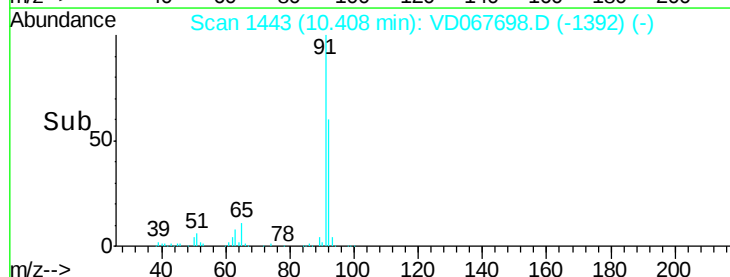
10.41

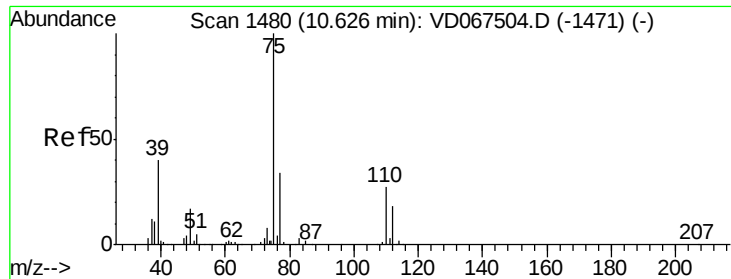
200000

100000

0

Time-->





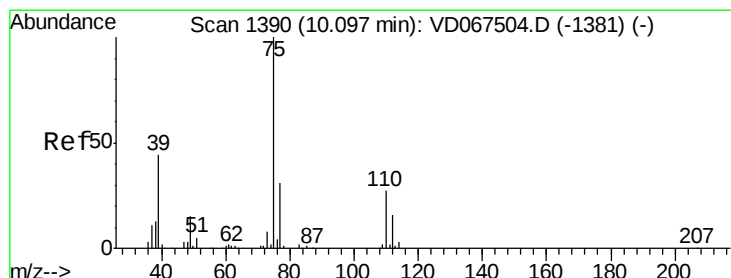
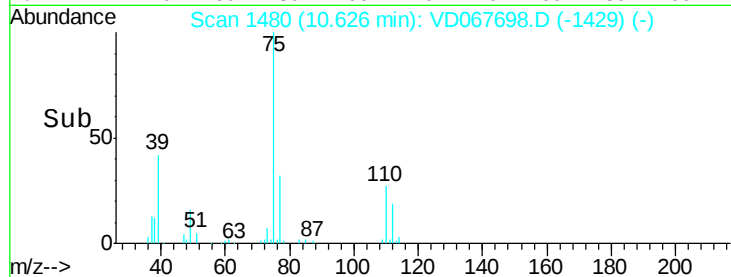
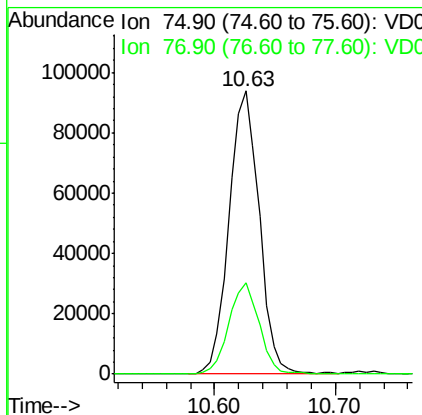
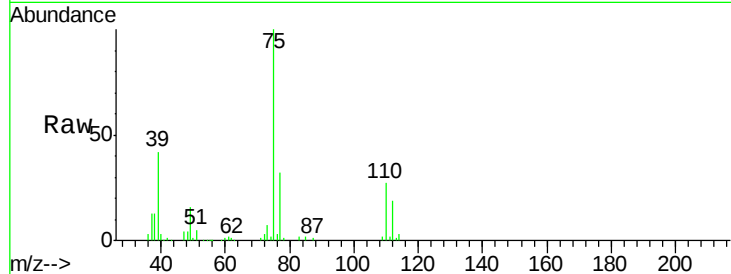
#53
t-1,3-Dichloropropene
Concen: 53.461 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 163988
Ion Ratio Lower Upper
75 100
77 32.3 27.0 40.6

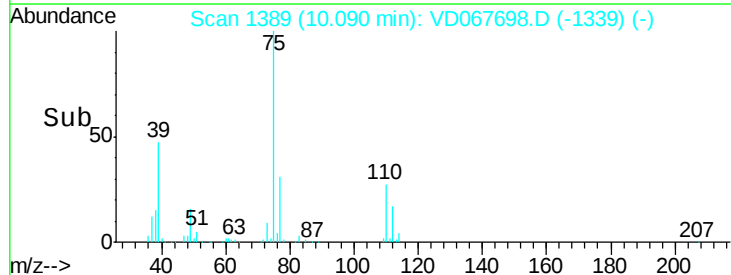
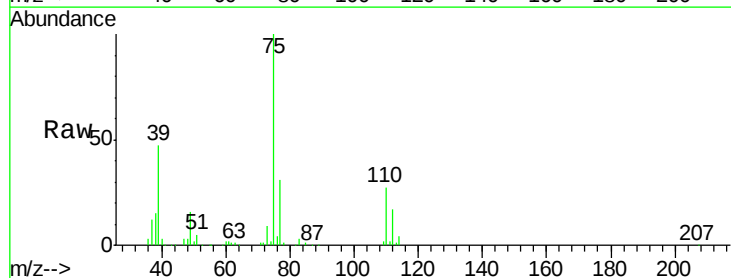
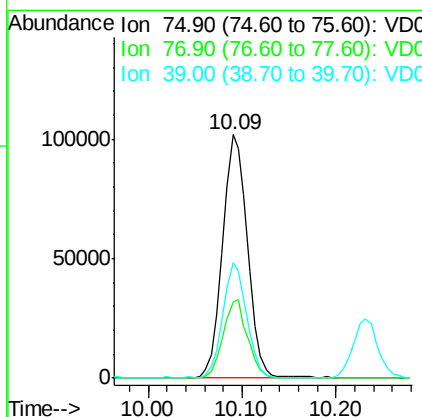
Manual Integrations
APPROVED

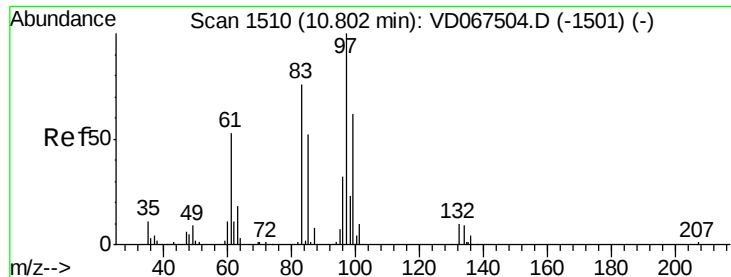
MMDadoda
11/20/2020 10:06:35 AM



#54
cis-1,3-Dichloropropene
Concen: 51.689 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion: 75 Resp: 188377
Ion Ratio Lower Upper
75 100
77 31.1 24.4 36.6
39 46.9 35.6 53.4





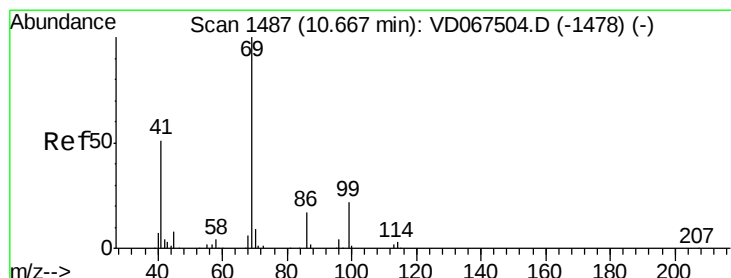
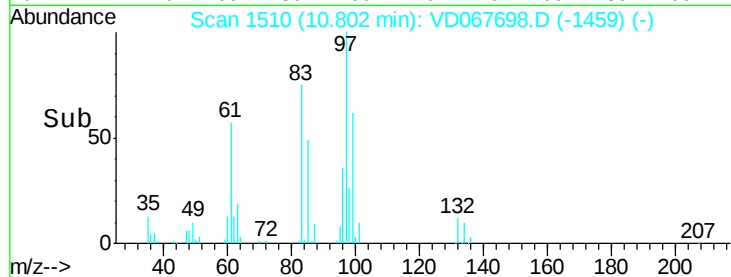
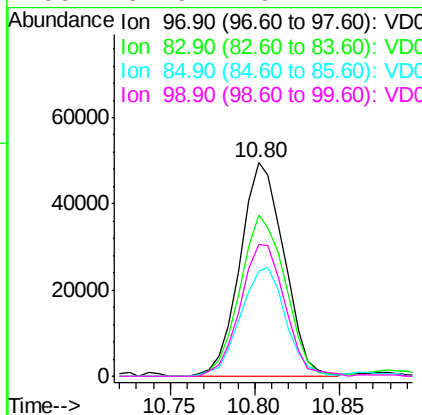
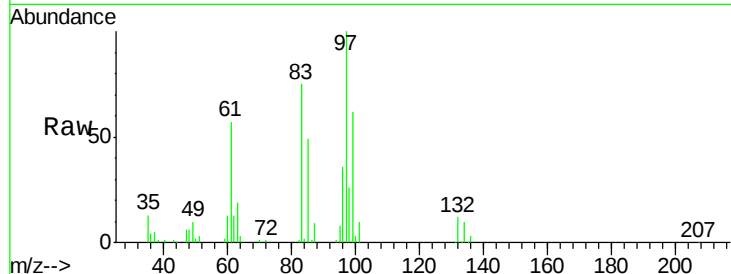
#55
 1,1,2-Trichloroethane
 Concen: 51.528 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	89838		
83	75.5	61.0	91.6	
85	49.4	41.5	62.3	
99	61.9	49.4	74.2	

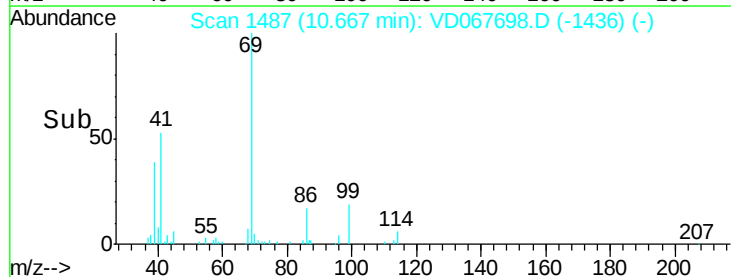
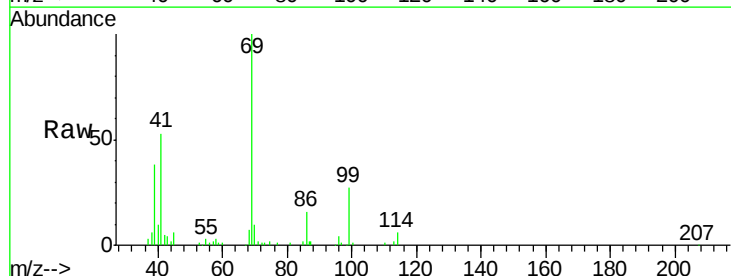
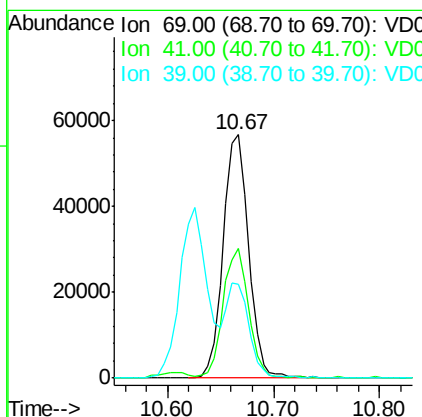
Manual Integrations
 APPROVED

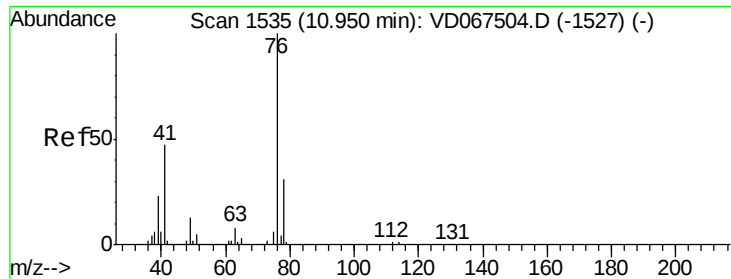
MMDadoda
 11/20/2020 10:06:35 AM



#56
 Ethyl methacrylate
 Concen: 52.688 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	94862		
41	52.5	45.4	68.0	
39	35.3	27.4	41.0	





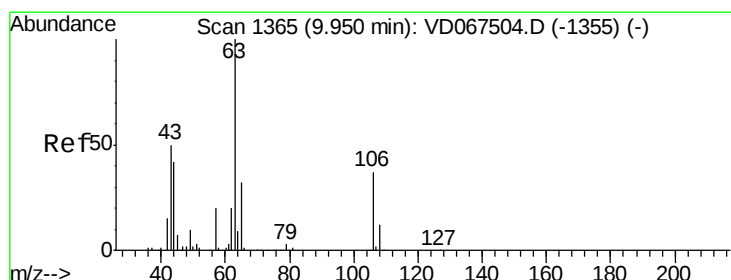
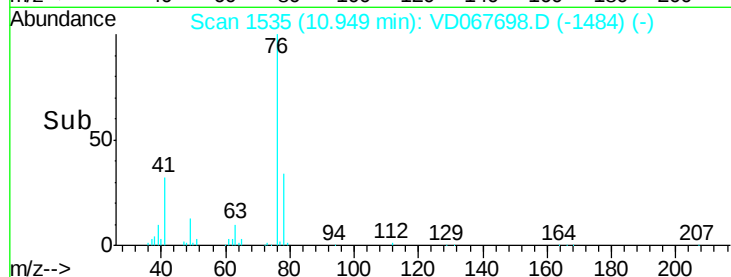
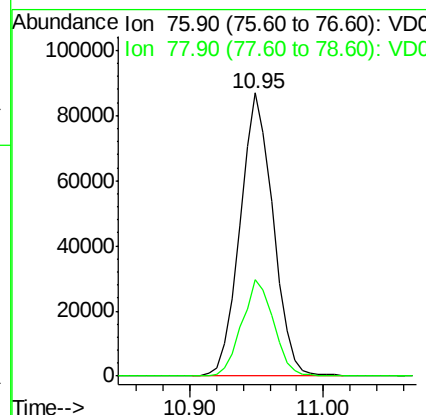
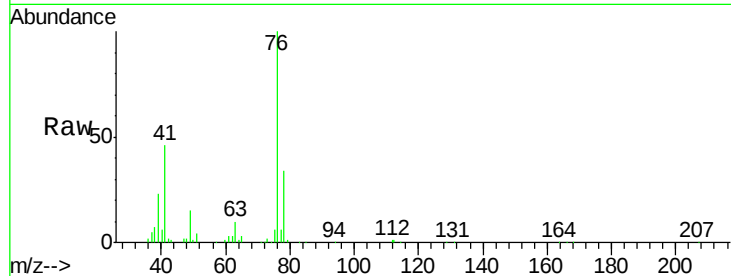
#57
 1,3-Dichloropropane
 Concen: 52.919 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 148469
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.1 39.1

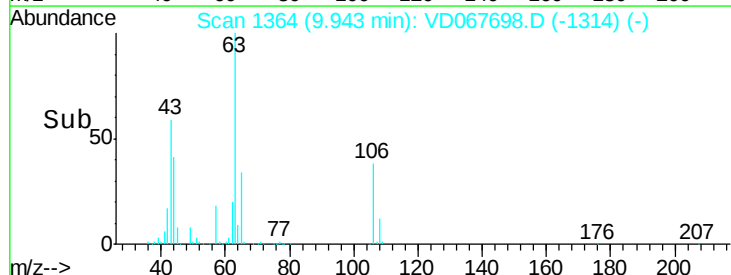
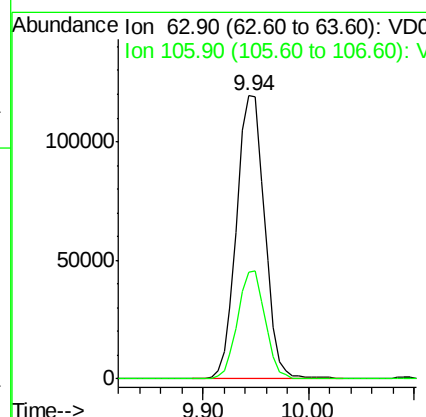
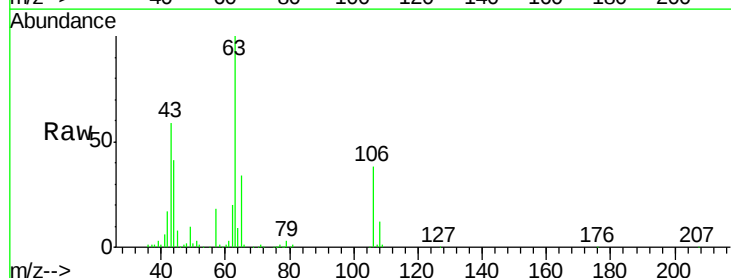
Manual Integrations
 APPROVED

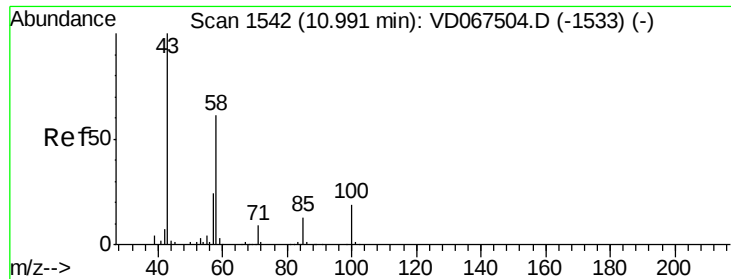
MMDadoda
 11/20/2020 10:06:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.981 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Tgt Ion: 63 Resp: 219959
 Ion Ratio Lower Upper
 63 100
 106 37.1 29.2 43.8





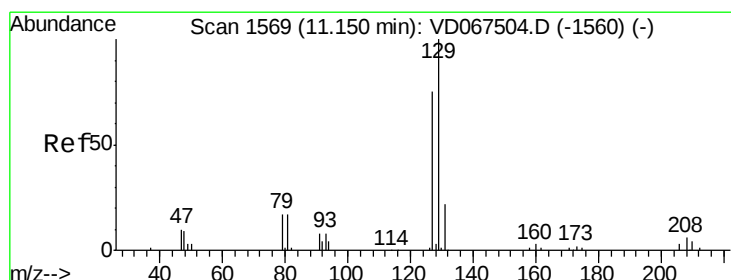
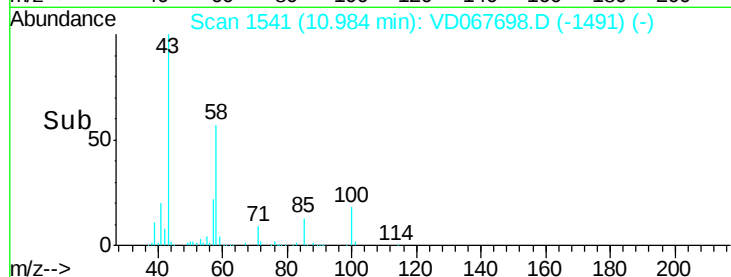
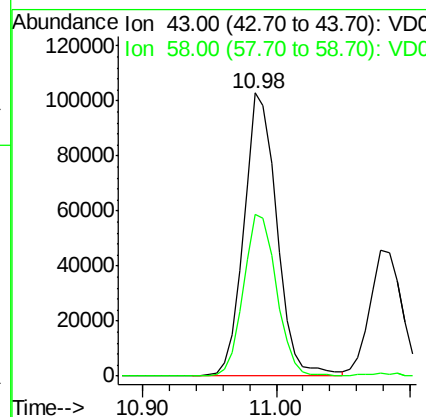
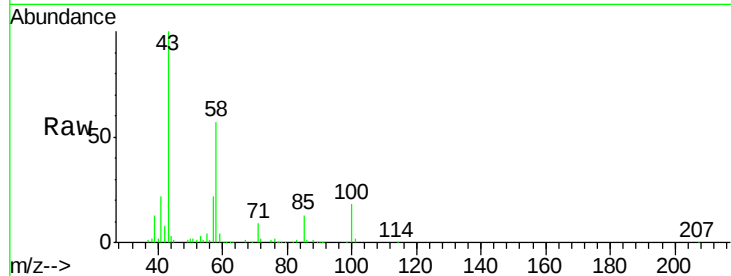
#59
2-Hexanone
Concen: 288.096 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 175037
Ion Ratio Lower Upper
43 100
58 57.2 30.3 90.9

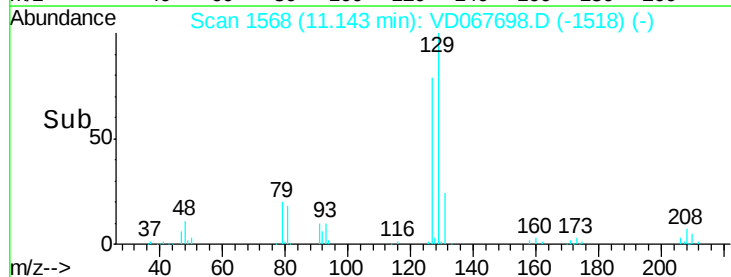
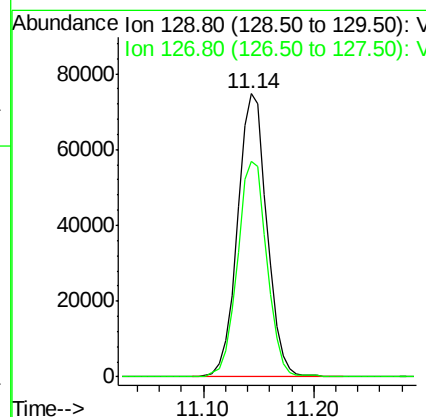
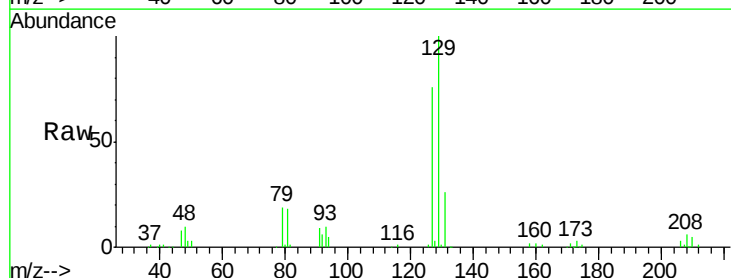
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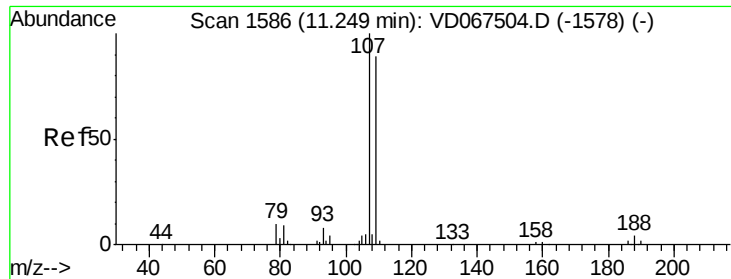
MMDadoda
11/20/2020 10:06:35 AM



#60
Dibromochloromethane
Concen: 54.108 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion: 129 Resp: 139549
Ion Ratio Lower Upper
129 100
127 76.5 38.0 114.1





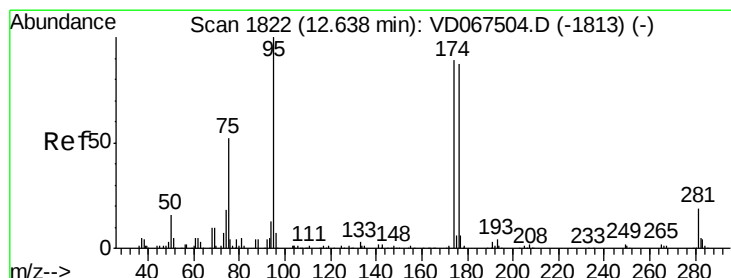
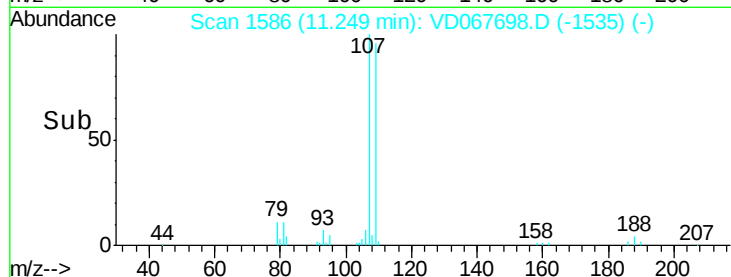
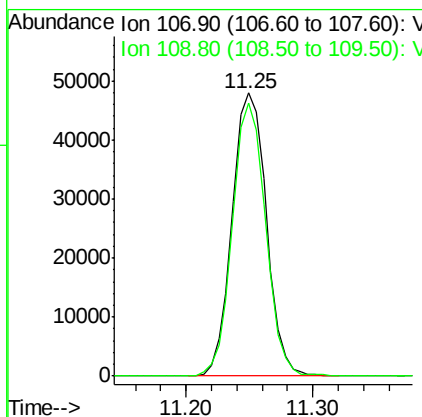
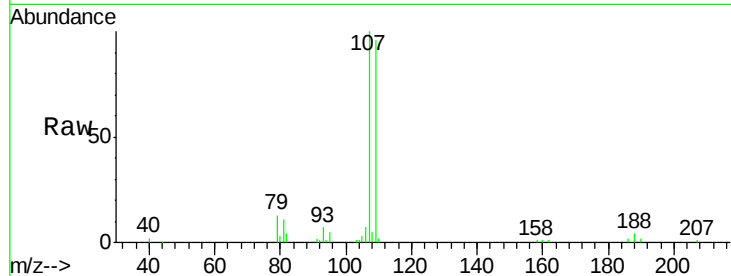
#61
 1,2-Dibromoethane
 Concen: 51.279 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 89729
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.6 111.8

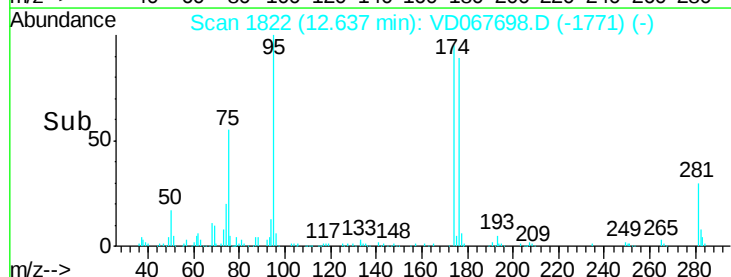
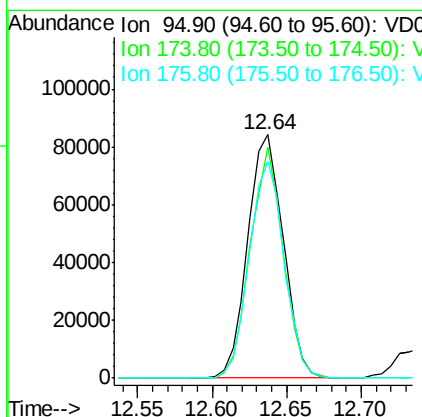
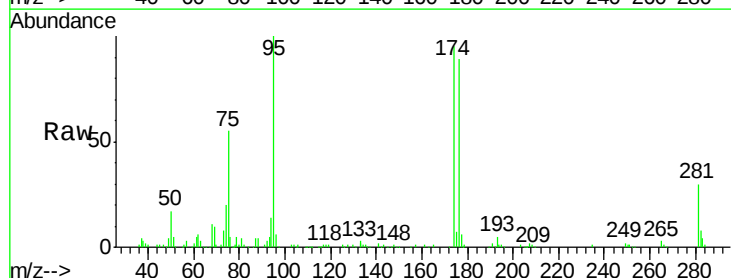
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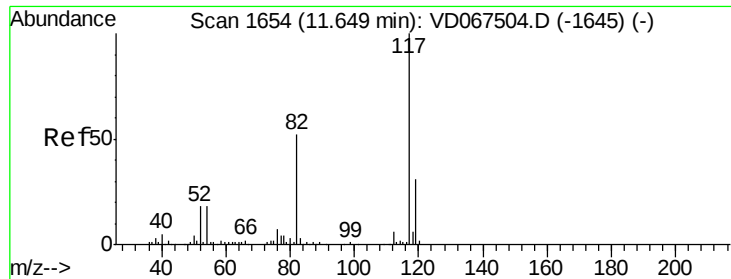
MMDadoda
 11/20/2020 10:06:35 AM



#62
 4-Bromofluorobenzene
 Concen: 45.832 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Tgt Ion: 95 Resp: 138503
 Ion Ratio Lower Upper
 95 100
 174 88.1 0.0 177.8
 176 86.9 0.0 172.0





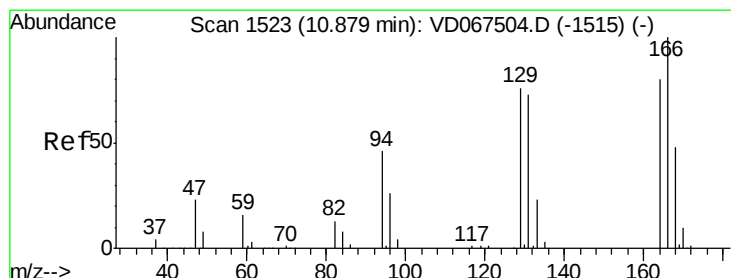
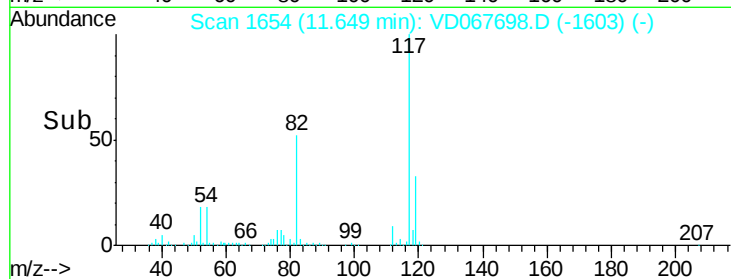
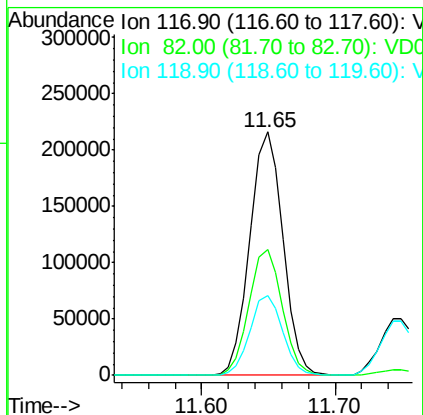
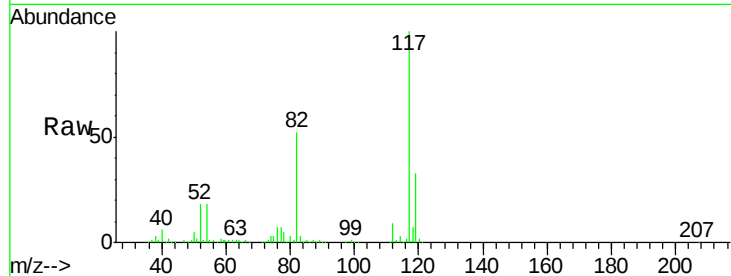
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	371687		
82	51.8		41.6	62.4
119	32.8		25.1	37.7

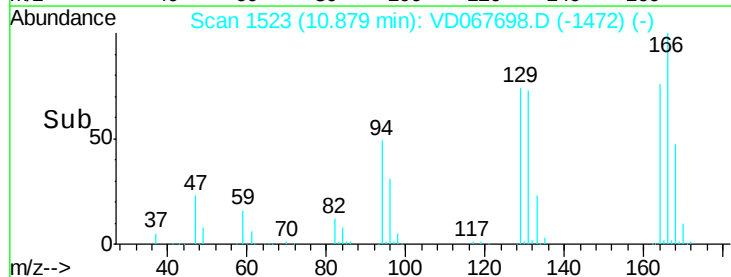
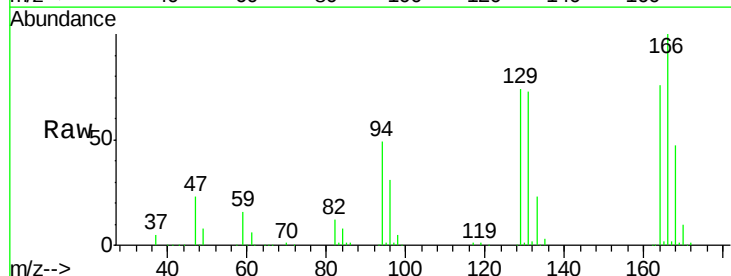
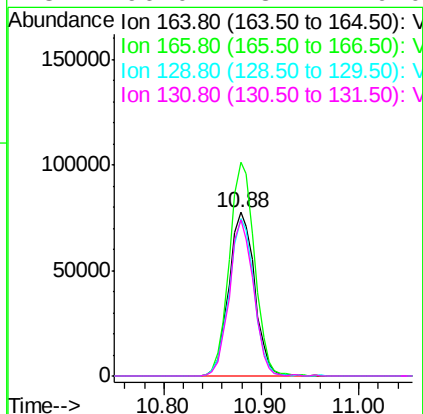
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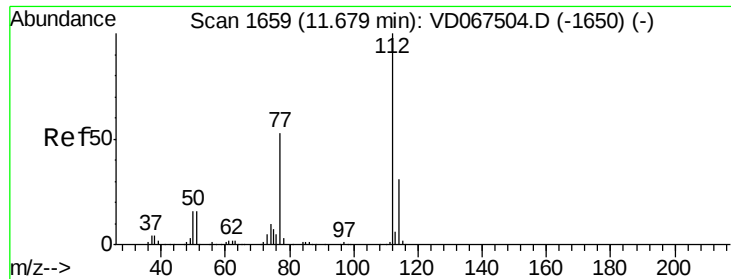
MMDadoda
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#64
Tetrachloroethene
Concen: 51.538 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	141867		
166	130.7		99.9	149.9
129	96.7		75.5	113.3
131	96.0		73.4	110.0





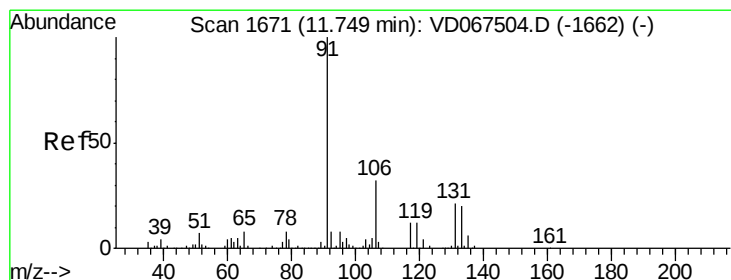
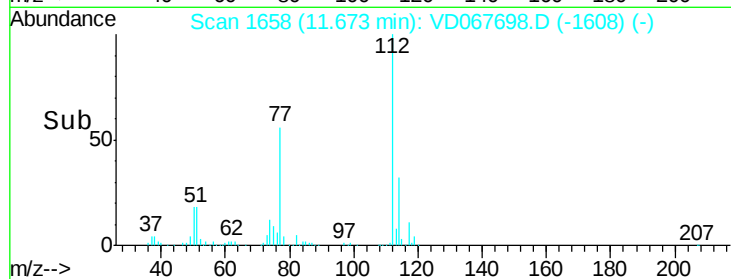
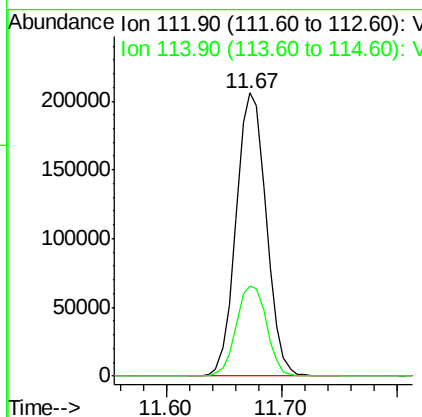
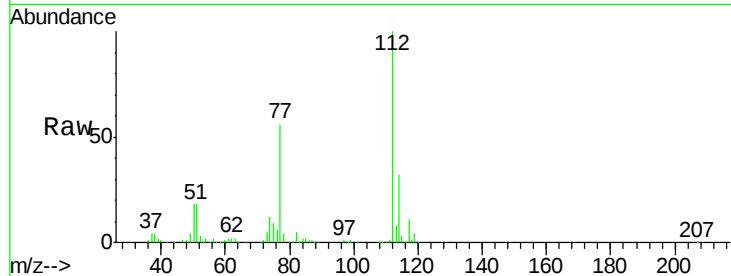
#65
Chlorobenzene
Concen: 51.899 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	371583		
114	32.1	24.9	37.3	

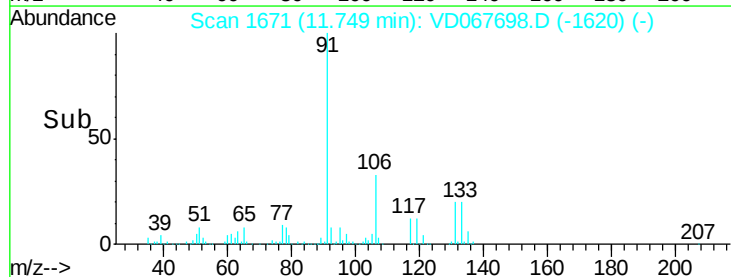
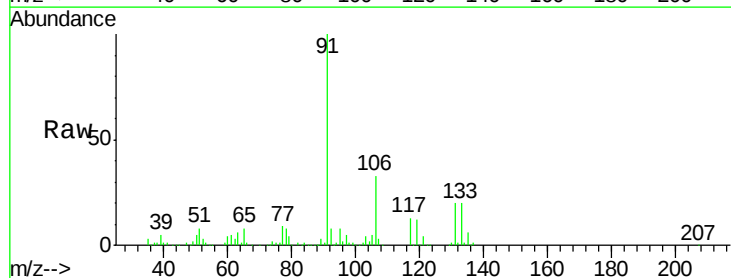
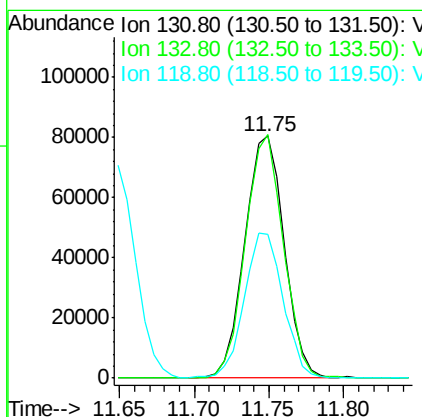
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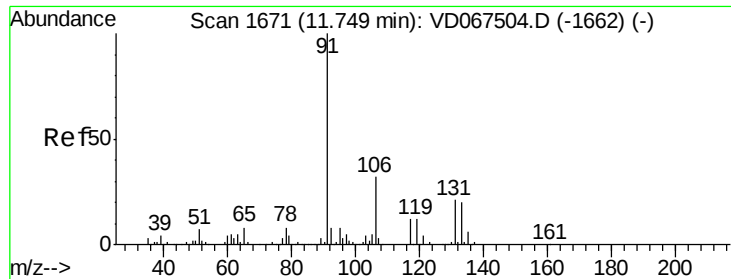
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.141 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	147135		
133	96.9	48.0	144.0	
119	59.2	30.1	90.5	





#67

Ethyl Benzene

Concen: 53.801 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 659154

Ion Ratio Lower Upper

91 100

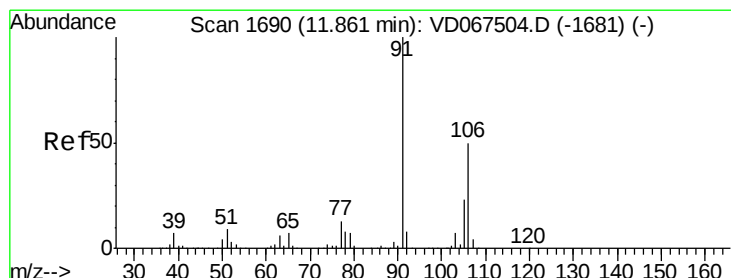
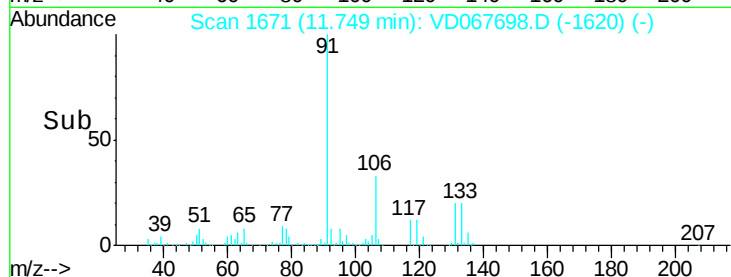
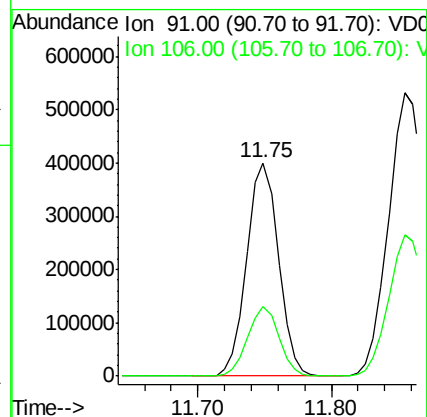
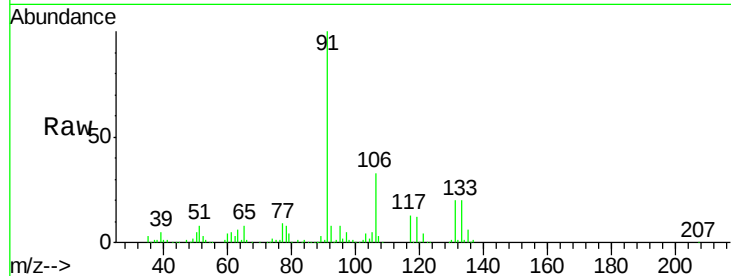
106 32.8 25.7 38.5

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#68

m/p-Xylenes

Concen: 107.168 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067698.D

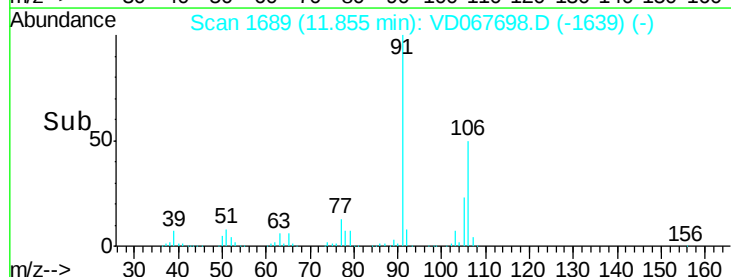
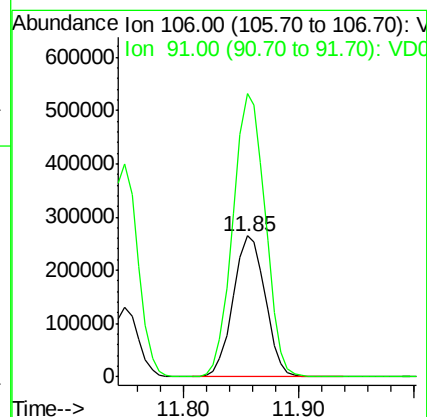
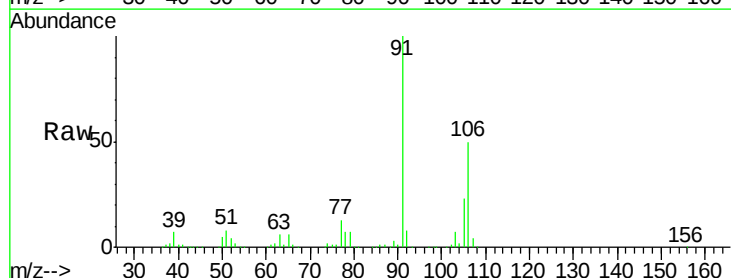
Acq: 19 Nov 2020 10:19

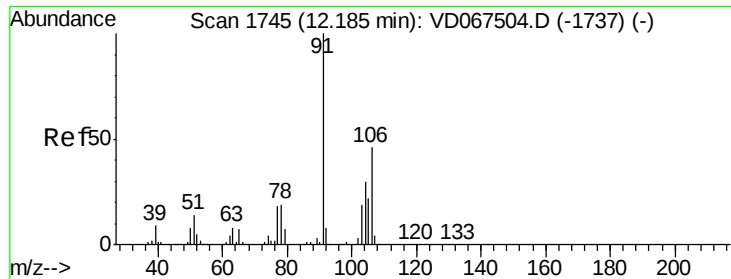
Tgt Ion: 106 Resp: 510809

Ion Ratio Lower Upper

106 100

91 201.7 162.6 244.0





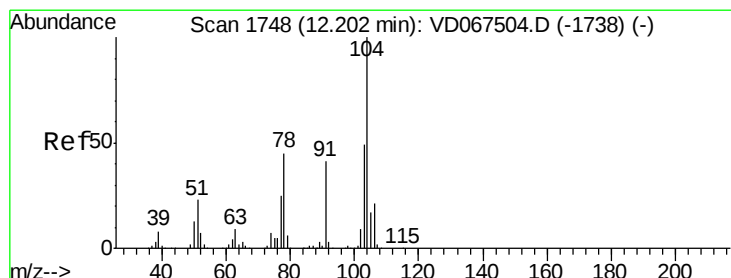
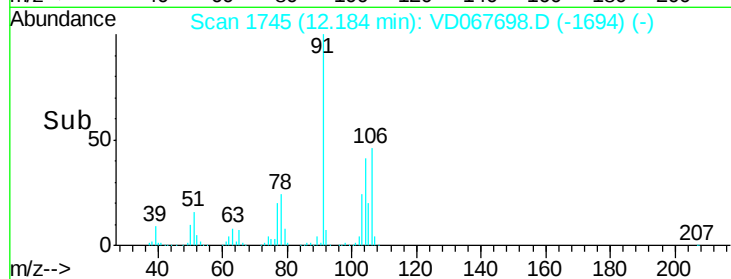
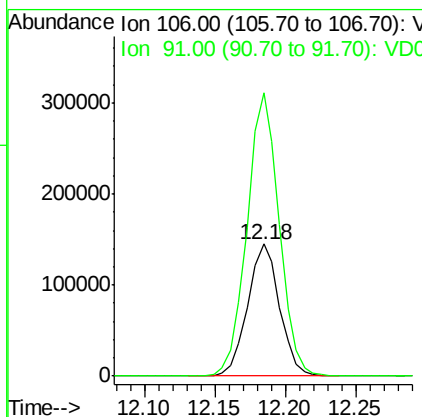
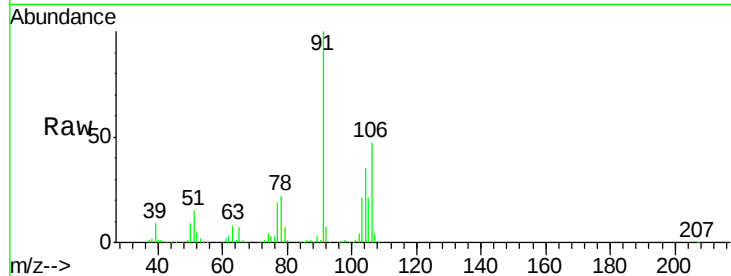
#69
o-Xylene
Concen: 53.895 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.0	107.1	321.1

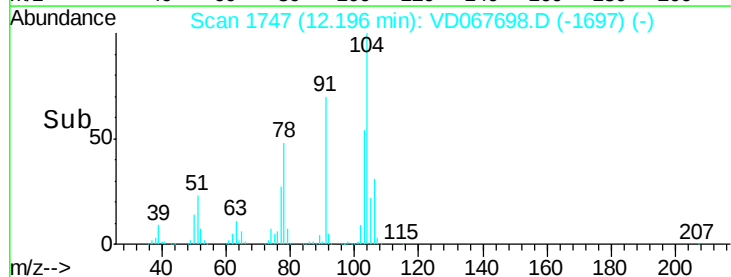
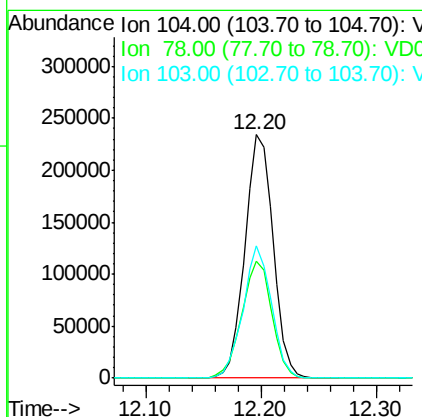
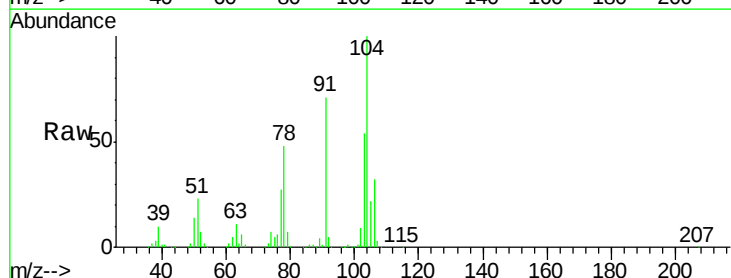
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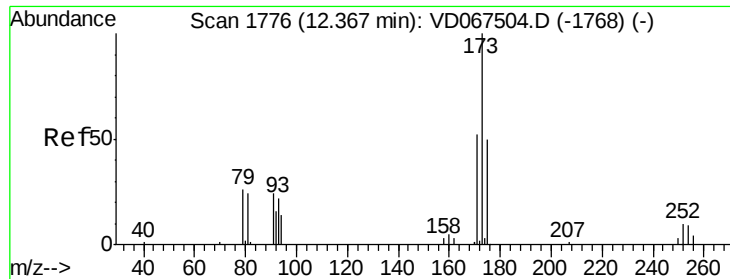
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#70
Styrene
Concen: 53.694 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.4	39.8	59.8
103	54.9	43.9	65.9





#71

Bromoform

Concen: 53.501 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

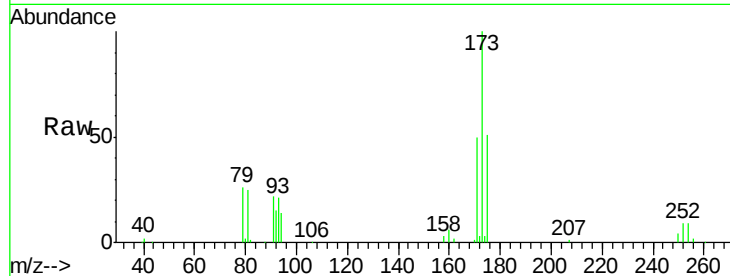
ClientSampleId :

VSTDCCC050

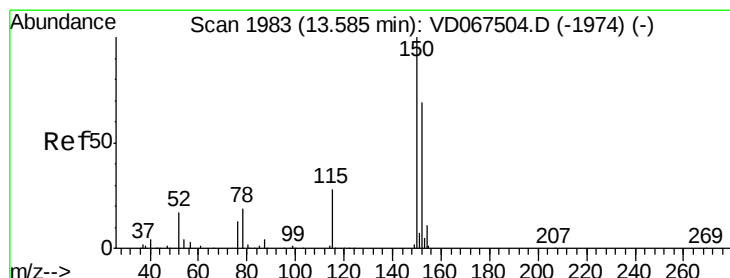
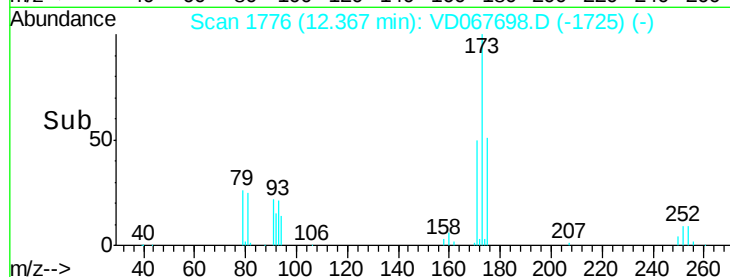
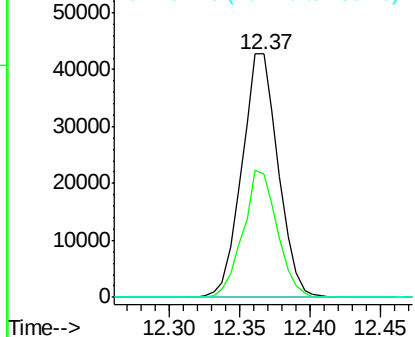
Tot Ion:	173	Resp:	76997
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.1	72.2
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

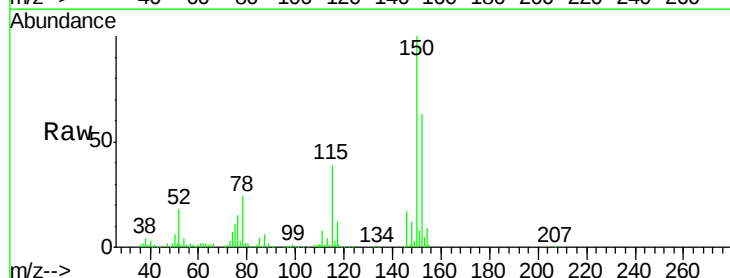
RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

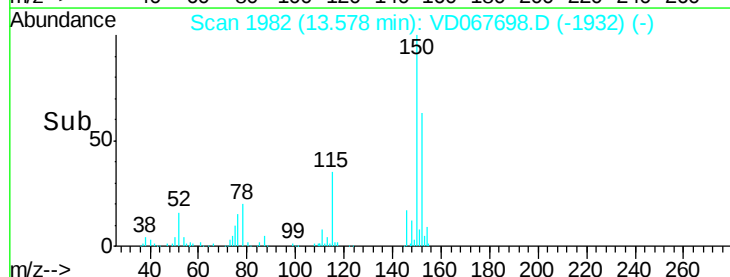
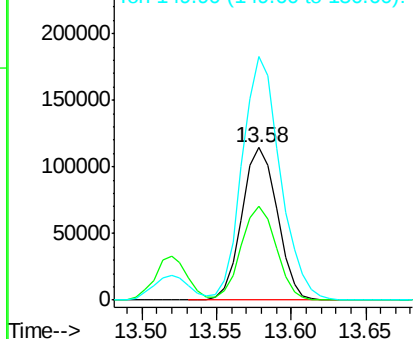
Lab File: VD067698.D

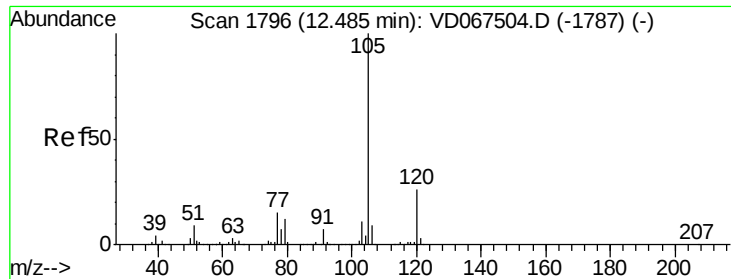
Acq: 19 Nov 2020 10:19

Tgt Ion:	152	Resp:	187949
Ion Ratio	Lower	Upper	
152	100		
115	61.0	29.3	88.0
150	171.9	0.0	338.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.036 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 668507

Ion Ratio Lower Upper

105 100

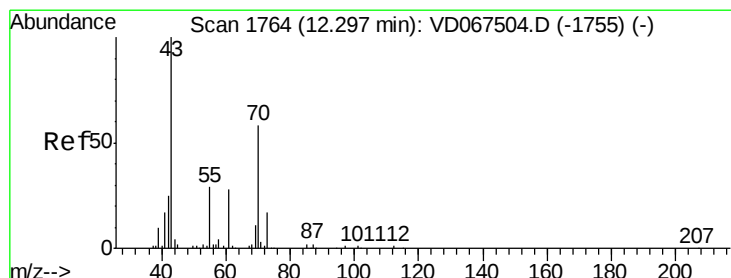
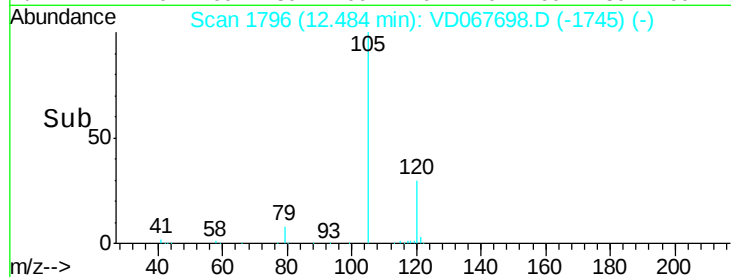
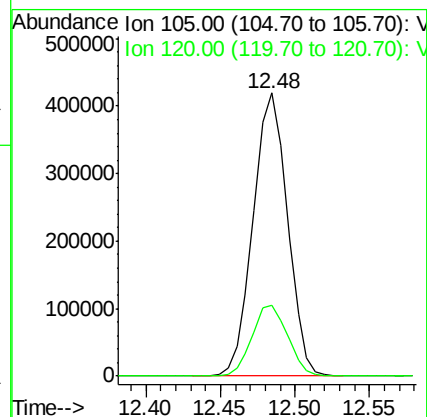
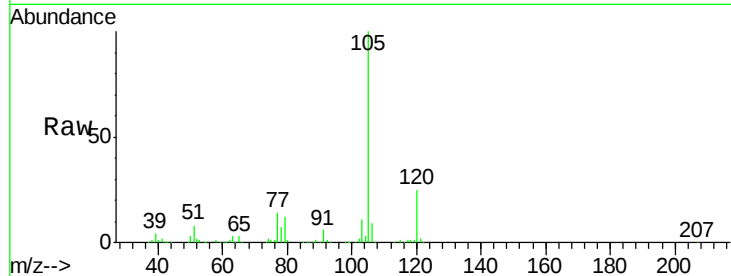
120 26.0 13.2 39.6

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#74

N-ethyl acetate

Concen: 52.216 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Tgt Ion: 43 Resp: 83458

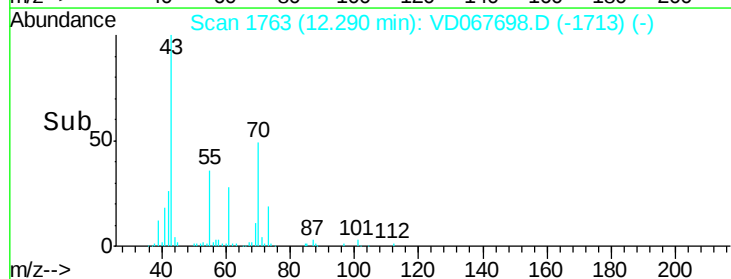
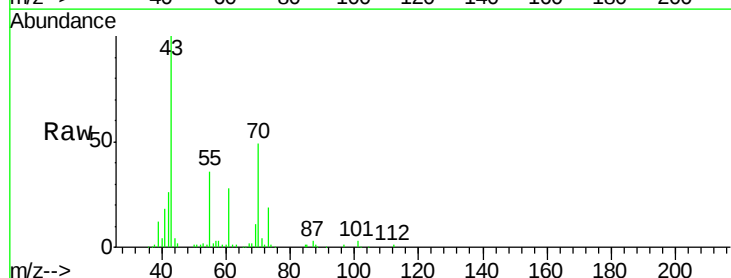
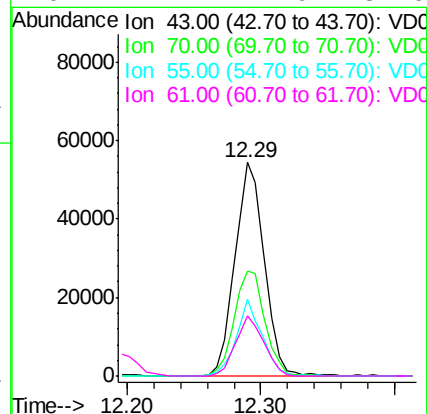
Ion Ratio Lower Upper

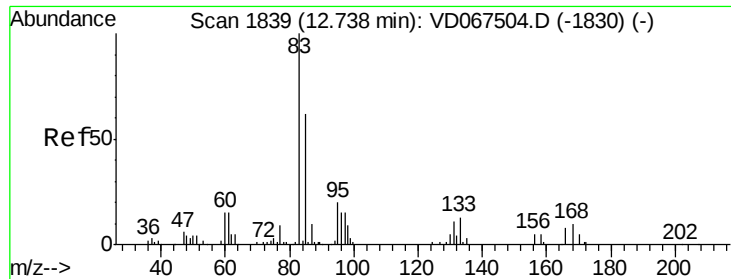
43 100

70 51.3 42.6 64.0

55 31.5 23.7 35.5

61 27.1 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.830 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

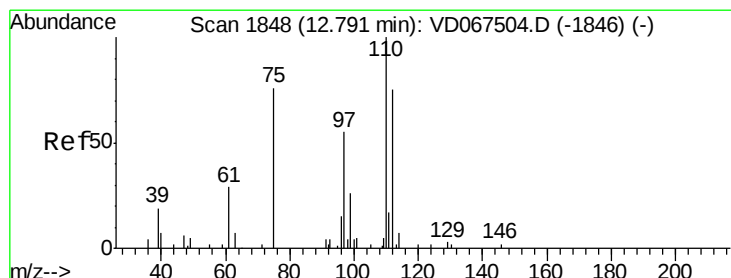
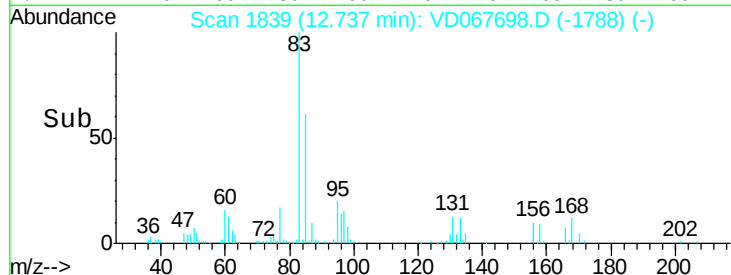
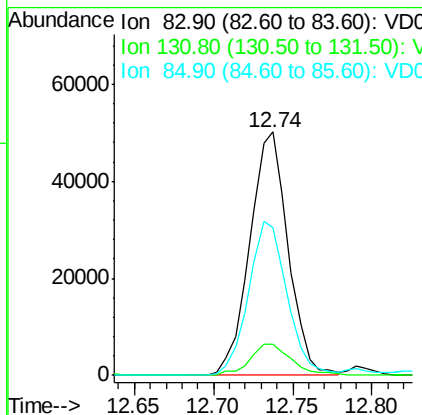
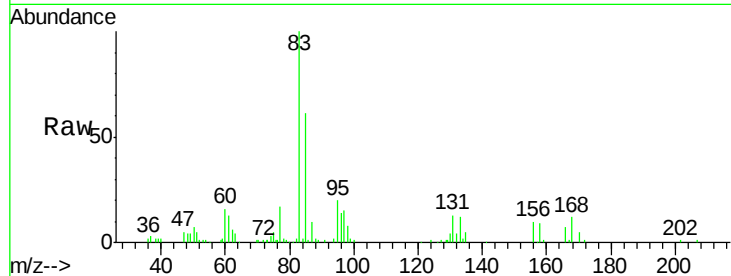
ClientSampleId :

VSTDCCC050

Tot Ion	83	Resp	84193
Ion Ratio	100	Lower	Upper
83	100		
131	13.9	7.1	21.3
85	63.9	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.157 ug/l m

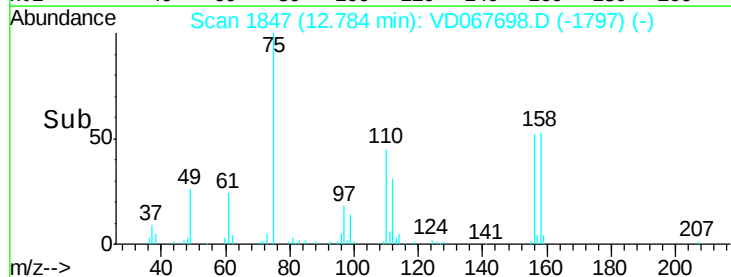
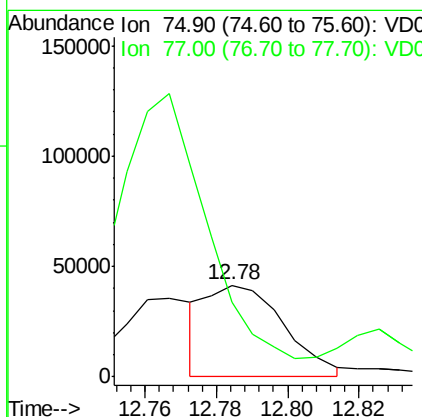
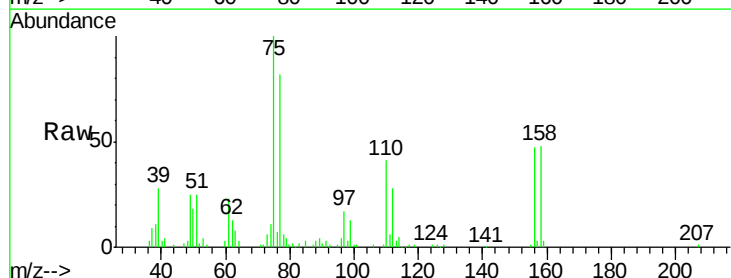
RT: 12.78 min Scan# 1847

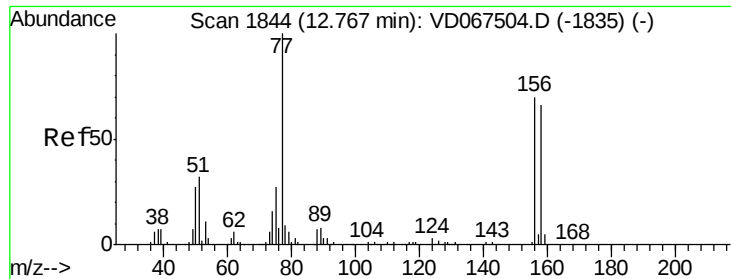
Delta R.T. -0.01 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Tgt Ion	75	Resp	62538
Ion Ratio	100	Lower	Upper
75	100		
77	374.0	0.0	0.0#





#77

Bromobenzene

Concen: 51.820 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

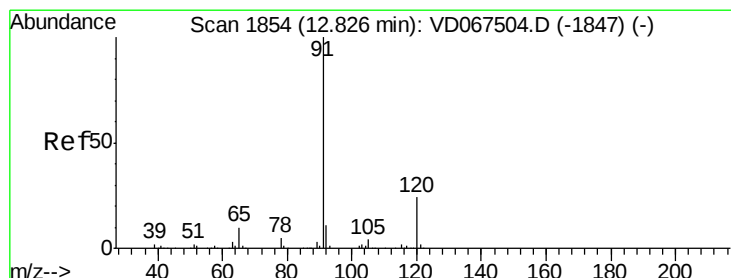
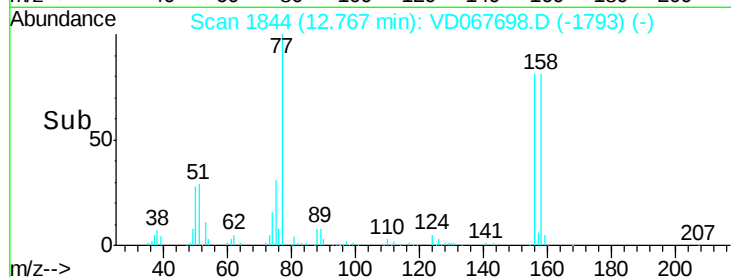
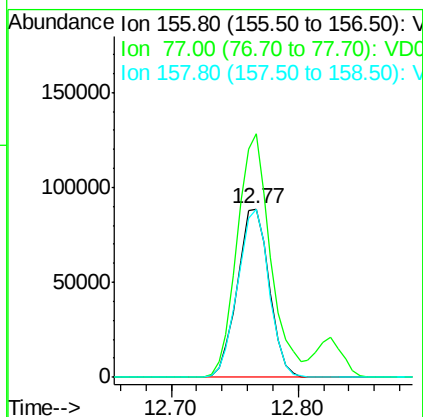
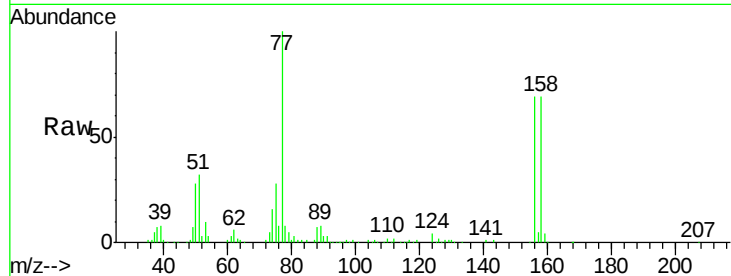
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.3	77.8	233.5
158	98.1	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 53.090 ug/l

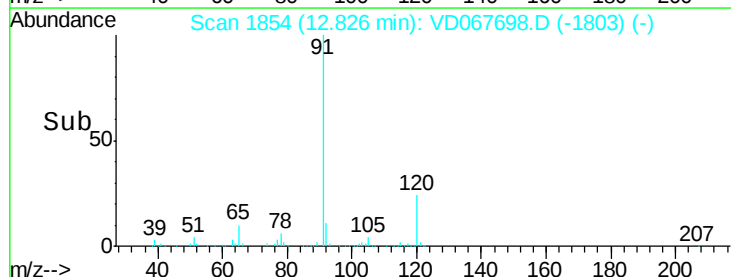
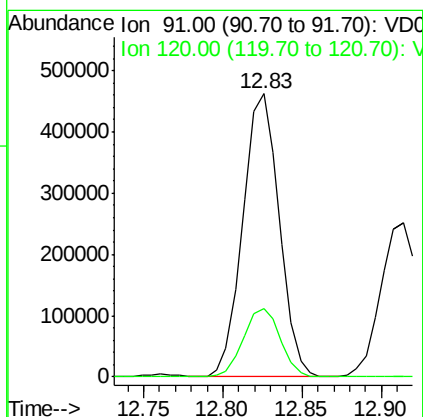
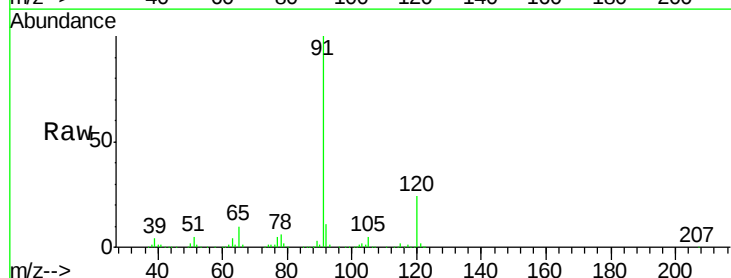
RT: 12.83 min Scan# 1854

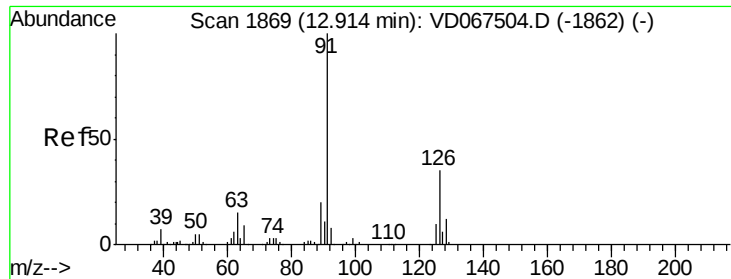
Delta R.T. -0.00 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.2	36.4





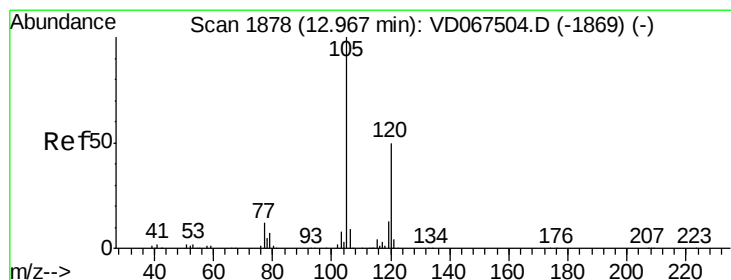
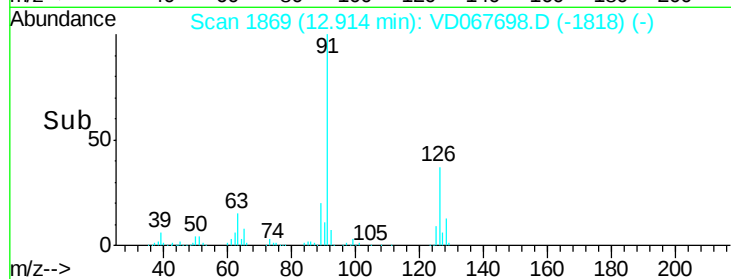
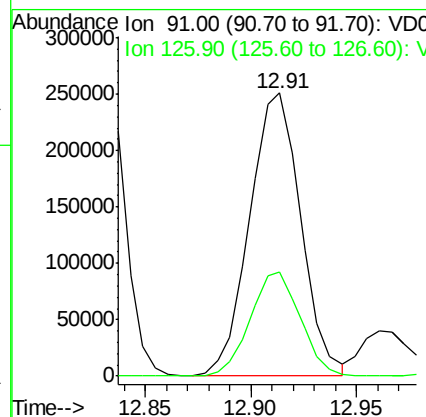
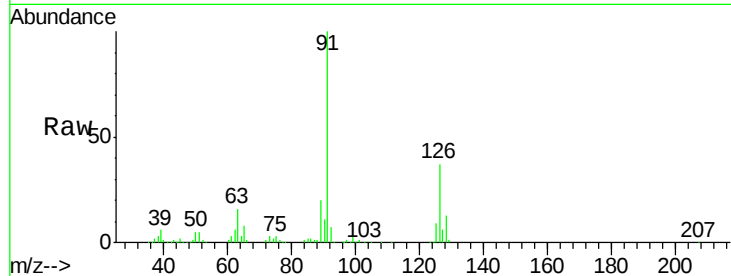
#79
2-Chlorotoluene
Concen: 53.430 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 421687
Ion Ratio Lower Upper
91 100
126 36.2 17.8 53.4

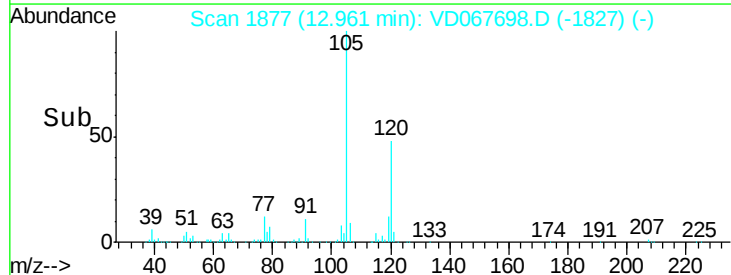
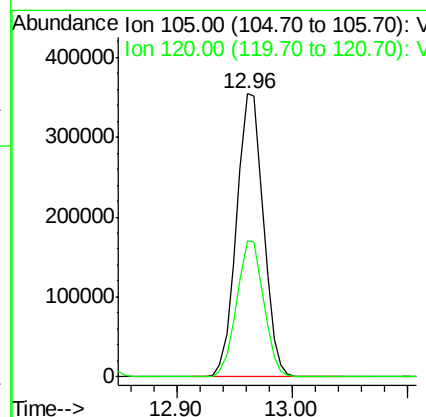
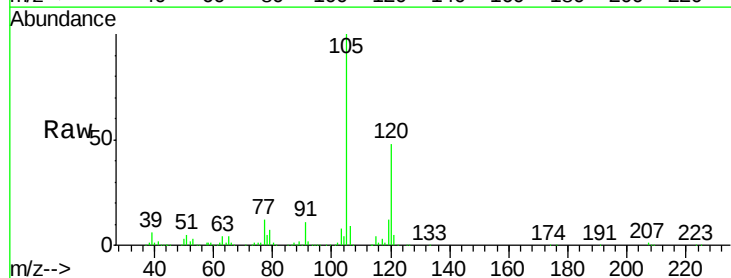
Manual Integrations
APPROVED

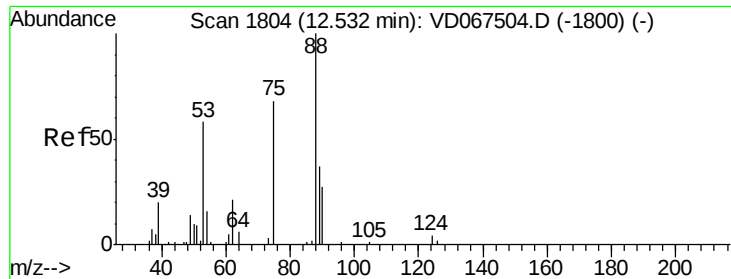
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 55.125 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion: 105 Resp: 571996
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.8





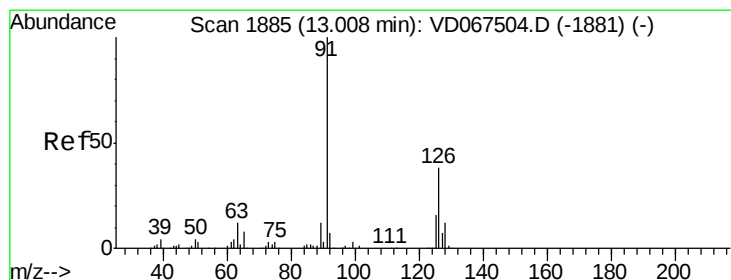
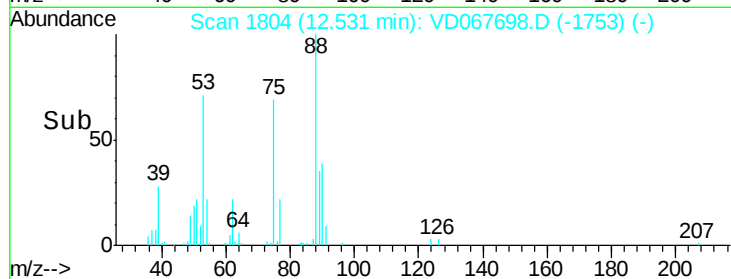
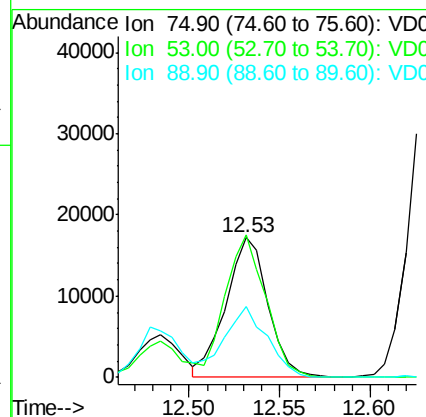
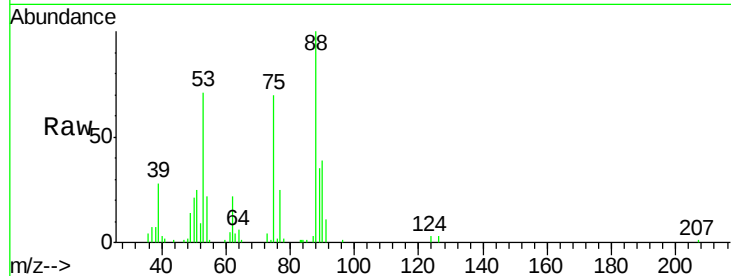
#81
trans-1,4-Dichloro-2-butene
Concen: 49.716 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.8	75.9	113.9
89	52.1	44.6	67.0

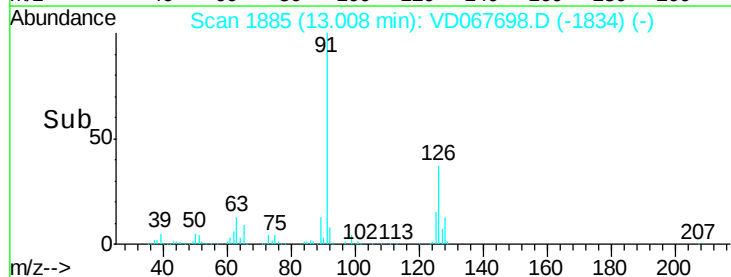
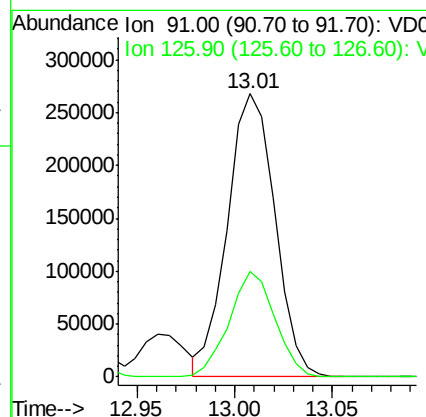
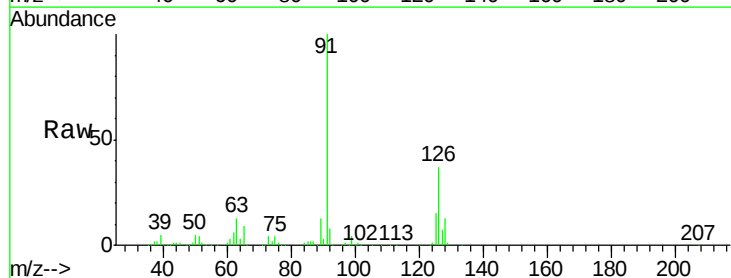
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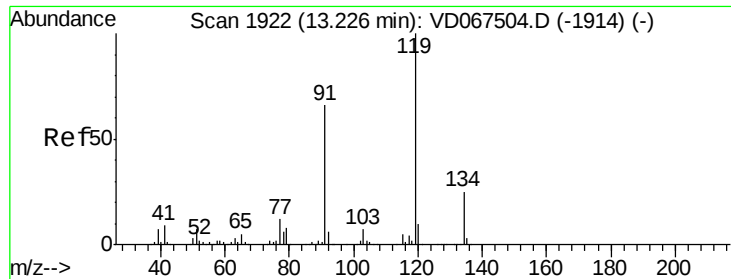
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#82
4-Chlorotoluene
Concen: 53.326 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.9	53.7





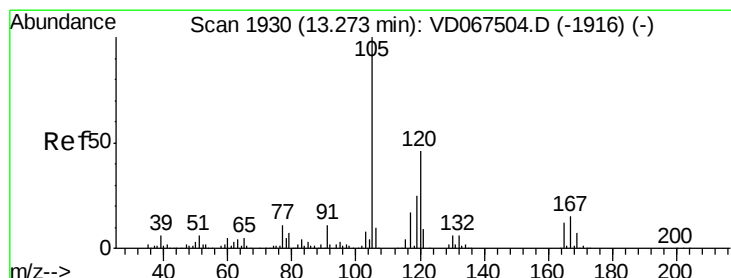
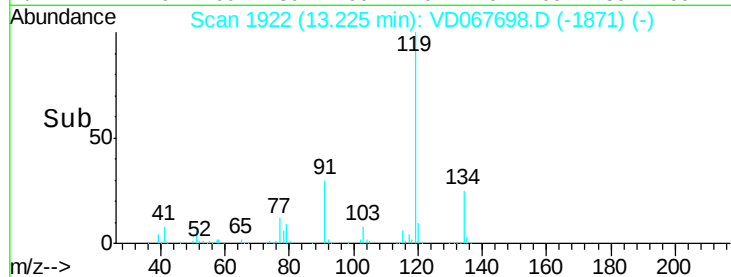
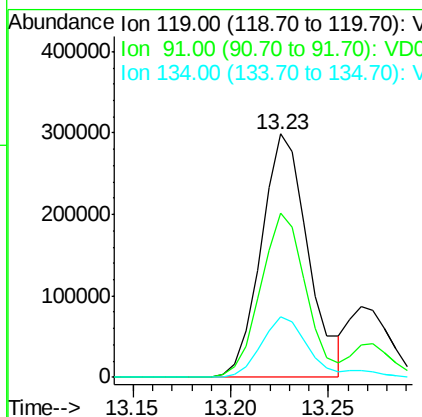
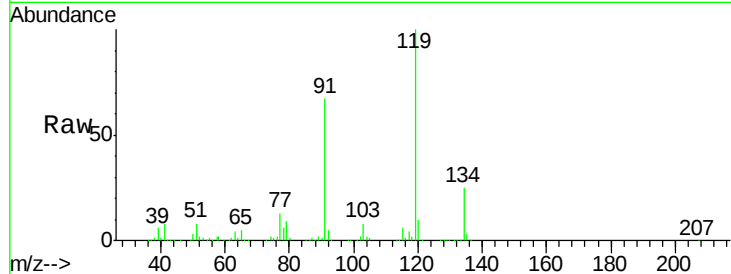
#83
tert-Butylbenzene
Concen: 56.603 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.7	98.1
134	26.4	13.4	40.2

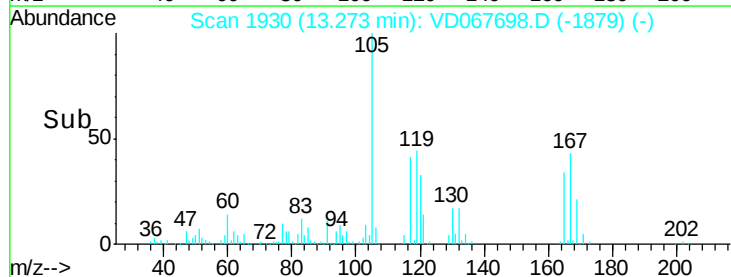
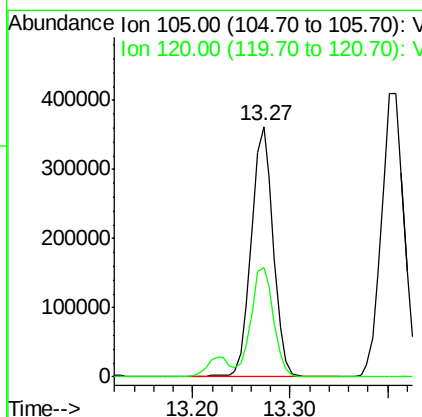
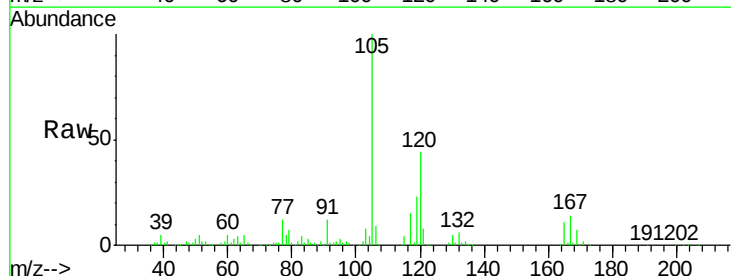
Manual Integrations
APPROVED

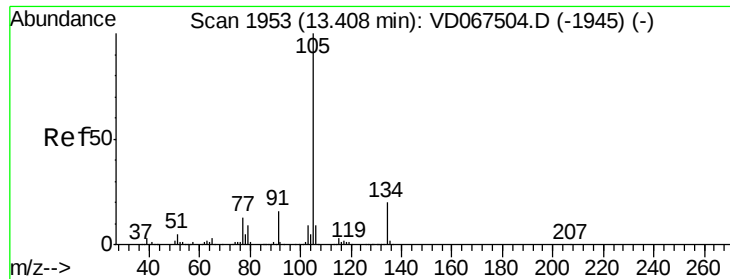
MMDadoda
11/20/2020 10:06:35 AM



#84
1,2,4-Trimethylbenzene
Concen: 55.652 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.1





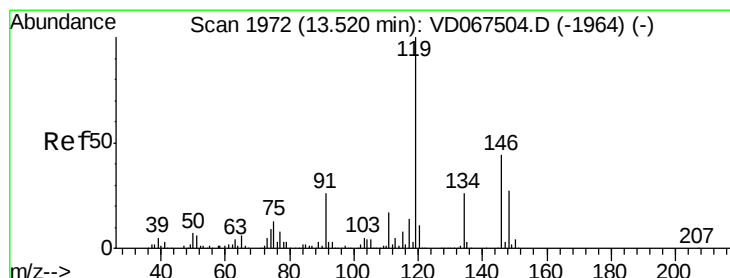
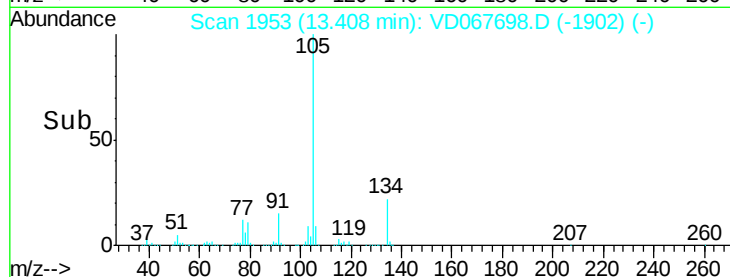
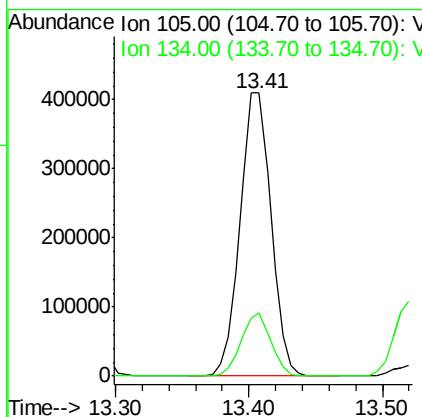
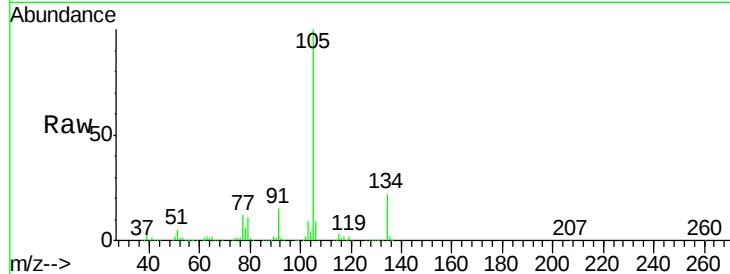
#85
 sec-Butylbenzene
 Concen: 55.376 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.4	31.4

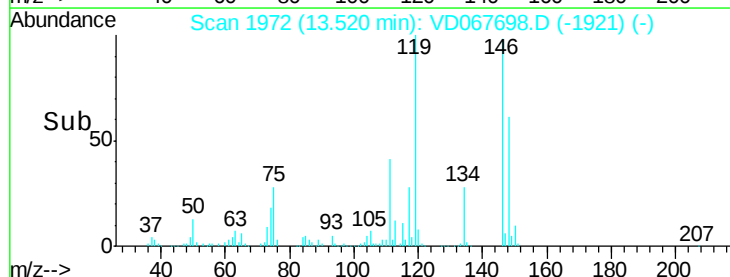
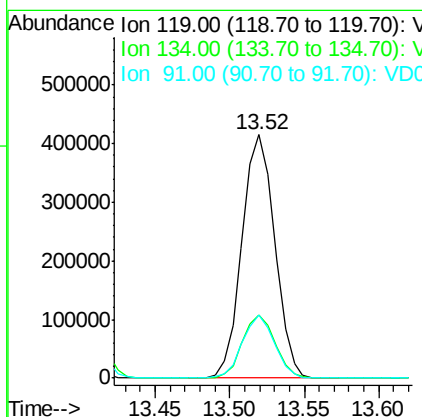
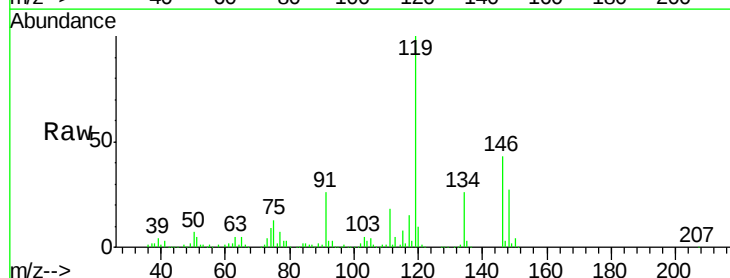
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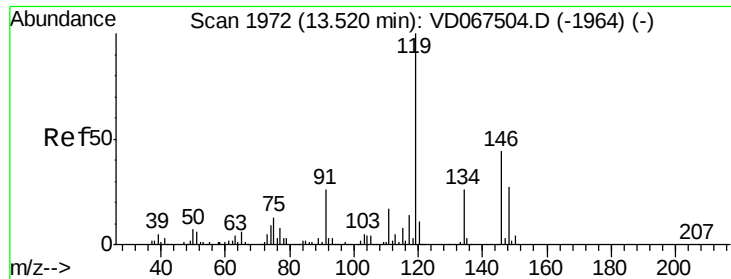
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 11/20/2020 10:06:35 AM



#86
 p-Isopropyltoluene
 Concen: 55.177 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.3
91	25.2	12.2	36.4





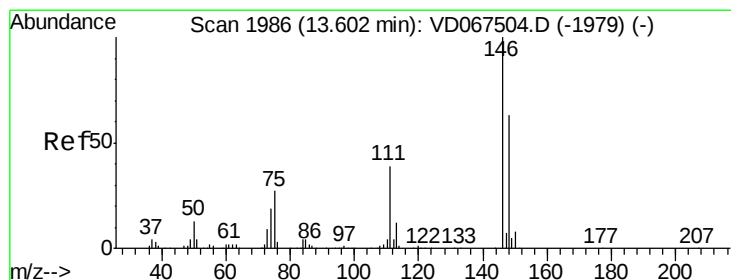
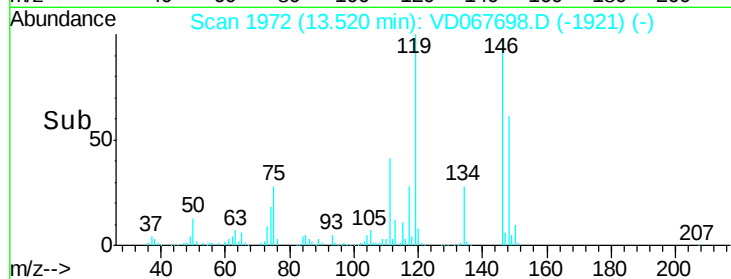
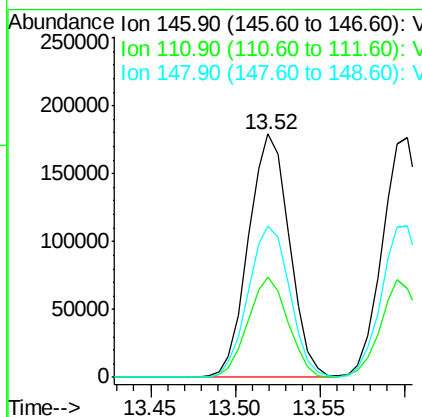
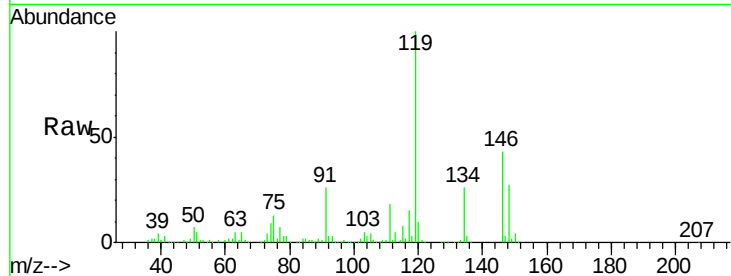
#87
 1,3-Dichlorobenzene
 Concen: 53.016 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	301778		
111	40.4	20.3	60.8	
148	63.2	31.9	95.9	

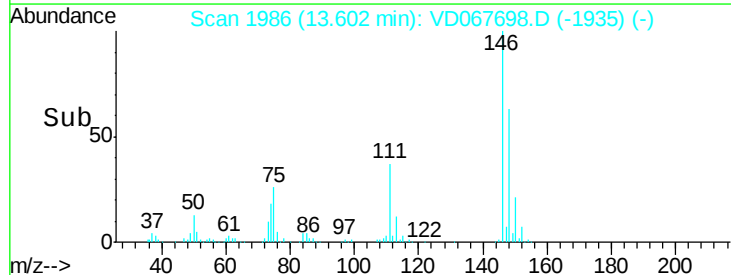
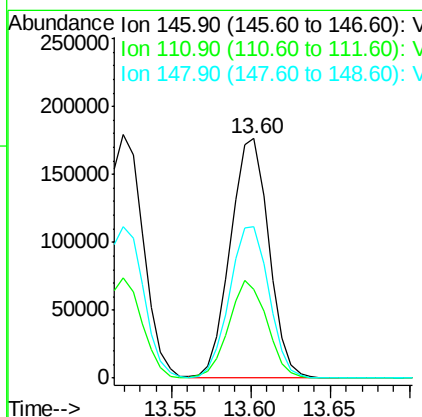
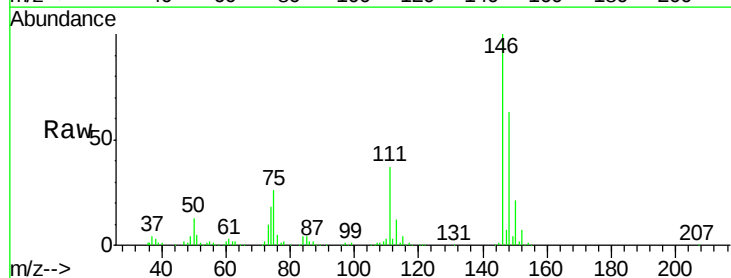
Manual Integrations
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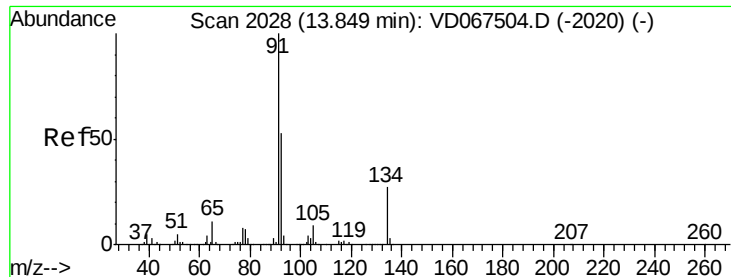
MMDadoda
 11/20/2020 10:06:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.666 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	297792		
111	40.4	19.6	58.7	
148	64.6	31.8	95.4	





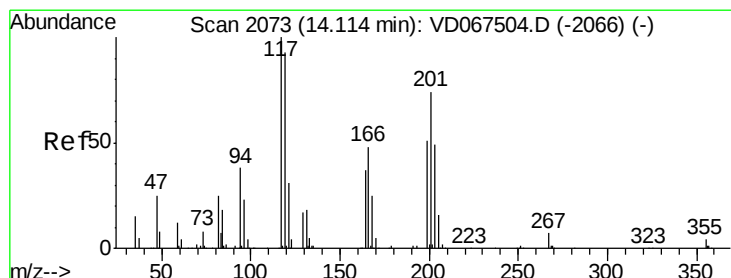
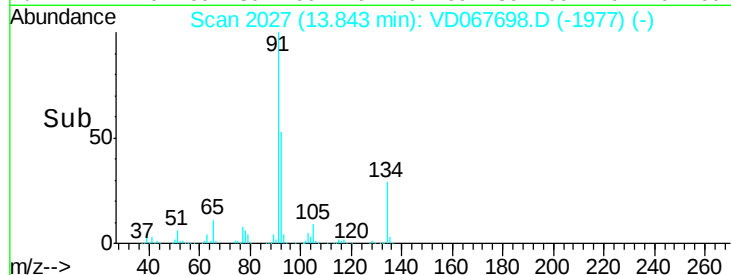
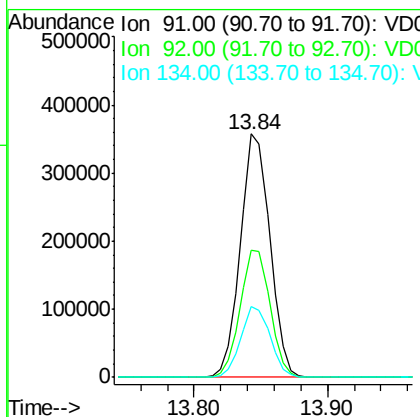
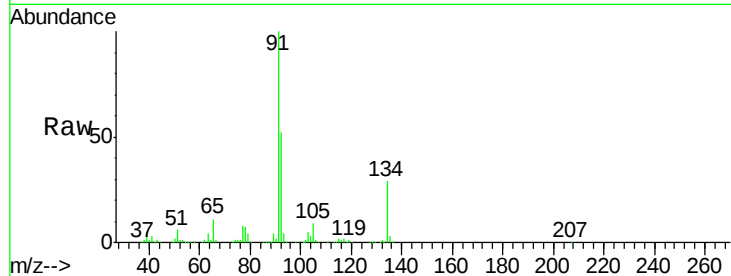
#89
n-Butylbenzene
Concen: 55.220 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		546804		
92	52.9	26.6	79.8		
134	28.9	14.1	42.2		

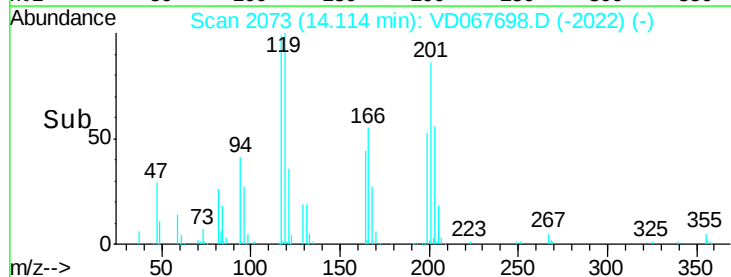
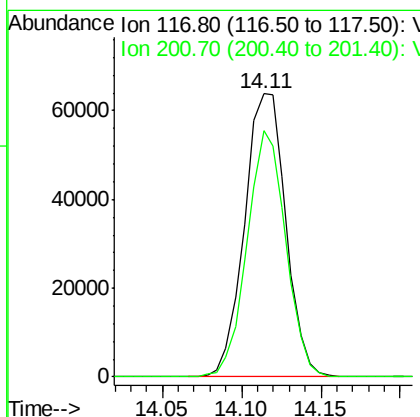
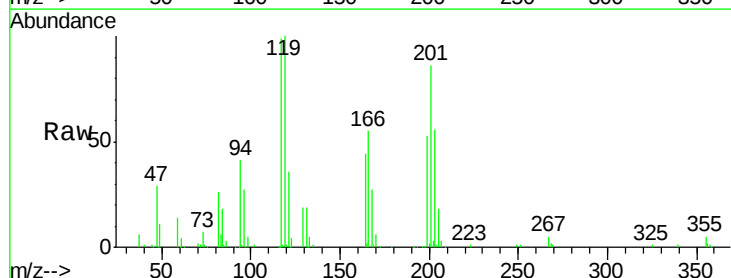
Manual Integrations
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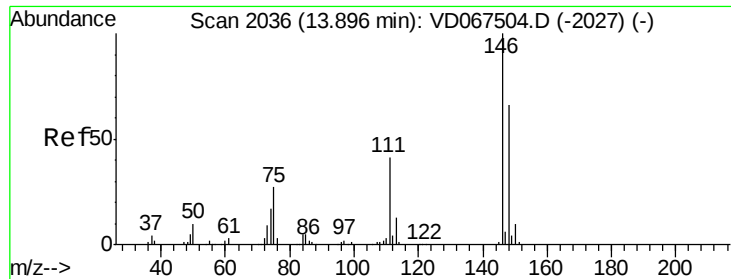
MMDadoda
11/20/2020 10:06:35 AM



#90
Hexachloroethane
Concen: 53.581 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067698.D
Acq: 19 Nov 2020 10:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		115674		
201	81.2	40.7	122.1		





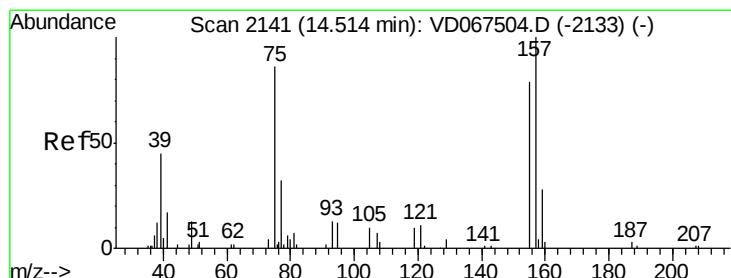
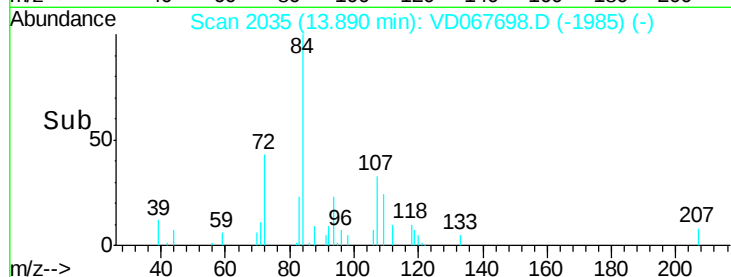
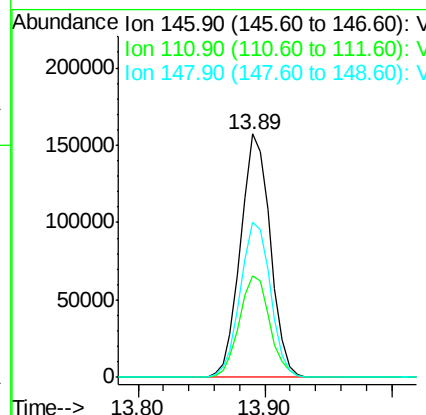
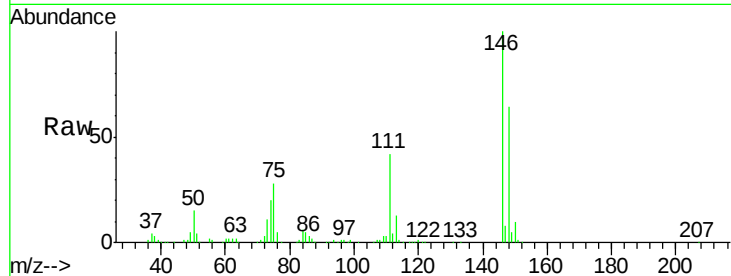
#91
 1,2-Dichlorobenzene
 Concen: 51.921 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.7	62.1
148	64.6	31.5	94.5

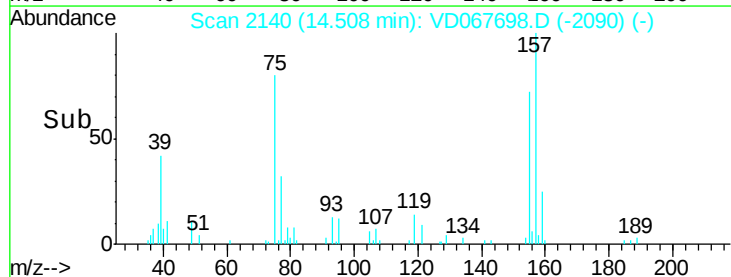
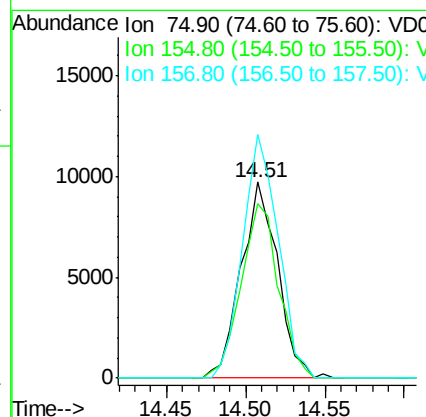
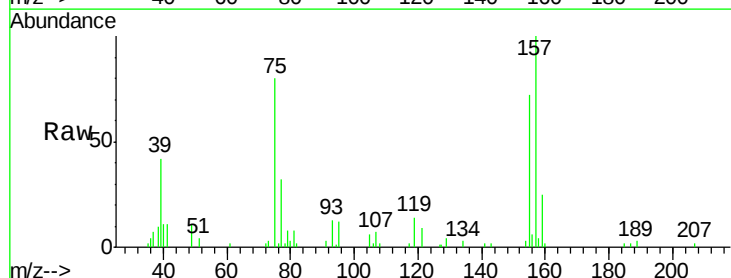
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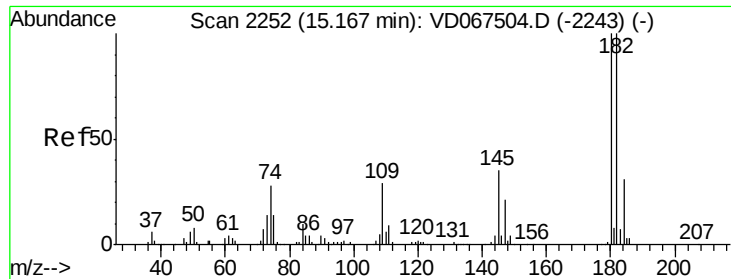
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.051 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	46.6	139.8
157	121.6	58.1	174.2





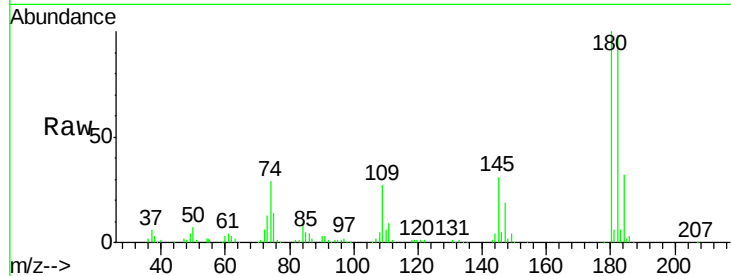
#93
 1,2,4-Trichlorobenzene
 Concen: 56.003 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

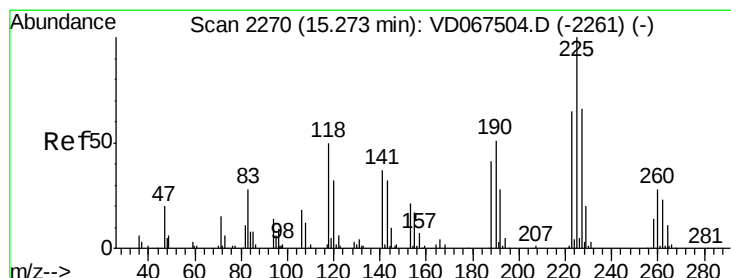
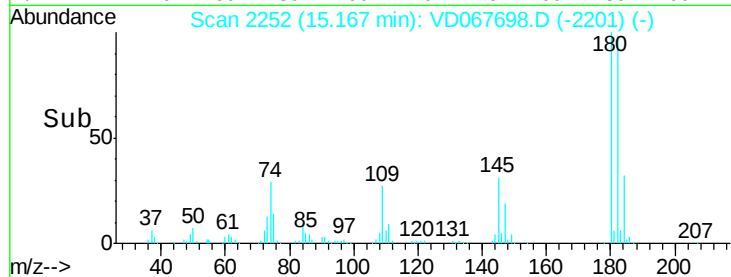
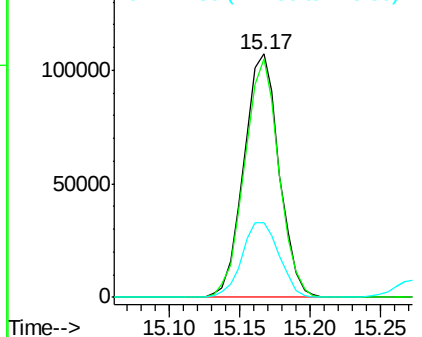
Tot Ion	Ratio	Resp	Lower	Upper
180	100	187255		
182	95.9	47.4	142.3	
145	32.7	16.2	48.6	

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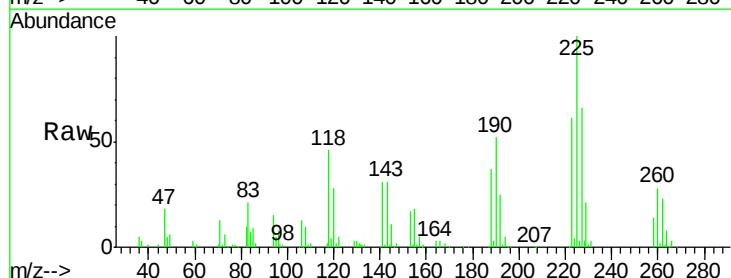


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

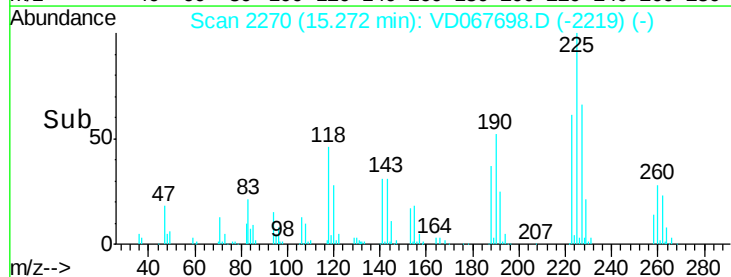
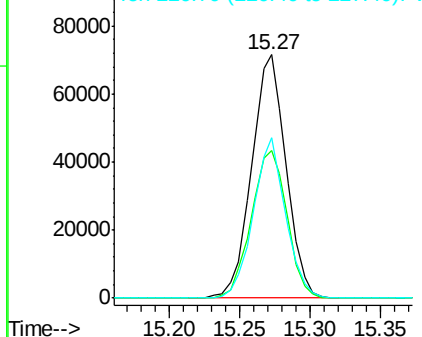


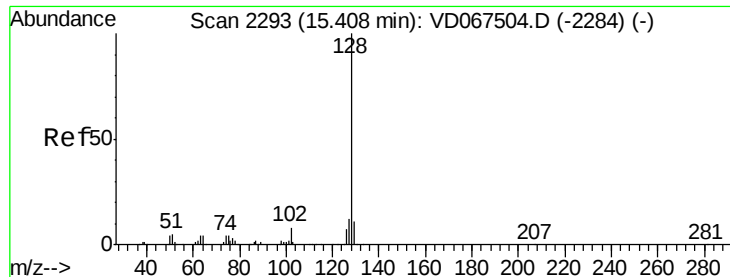
#94
 Hexachlorobutadiene
 Concen: 54.617 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067698.D
 Acq: 19 Nov 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122222		
223	62.8	31.9	95.5	
227	61.6	32.5	97.4	



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





#95

Naphthalene

Concen: 56.854 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Instrument :

MSVOA_D

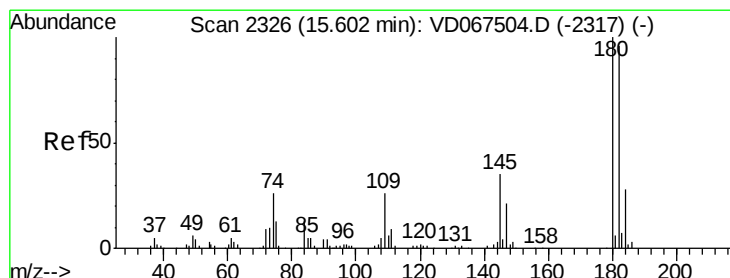
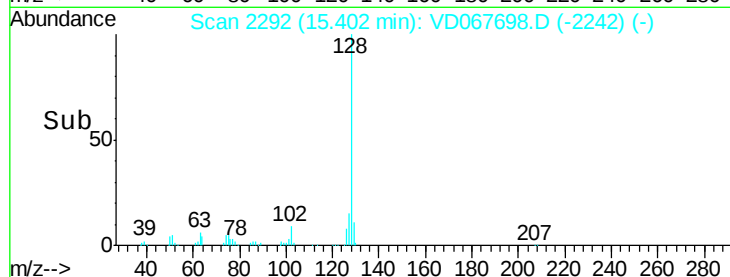
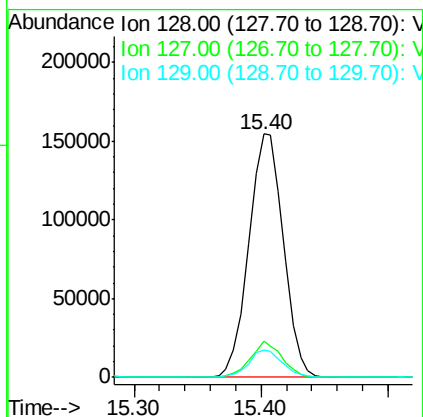
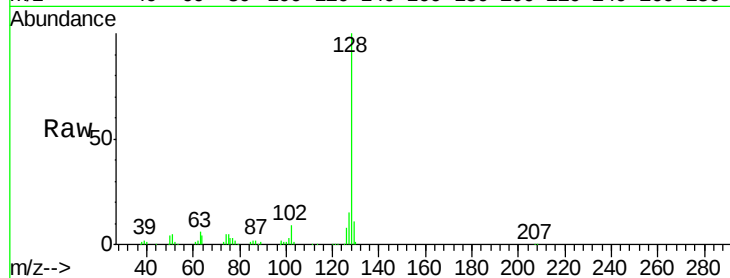
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	293368
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.2	15.4
129	11.1	8.9	13.3

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#96

1,2,3-Trichlorobenzene

Concen: 54.144 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067698.D

Acq: 19 Nov 2020 10:19

Tgt Ion:	180	Resp:	155029
Ion Ratio	Lower	Upper	
180	100		
182	96.9	46.9	140.8
145	34.5	17.1	51.2

