

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112420\
 Data File : VD067779.D
 Acq On : 24 Nov 2020 20:19
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/25/2020 2:01:59 PM

Quant Time: Nov 25 03:19:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	243317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	364181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	335470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	133764	56.54	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.08%
35) Dibromofluoromethane	7.92	113	123702	53.37	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.74%
50) Toluene-d8	10.34	98	455846	53.80	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.60%
62) 4-Bromofluorobenzene	12.64	95	152880	52.79	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.58%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	104893	49.538	ug/l	99
3) Chloromethane	2.21	50	61891	52.503	ug/l	99
4) Vinyl Chloride	2.35	62	72545	49.112	ug/l	97
5) Bromomethane	2.77	94	65883	52.350	ug/l	100
6) Chloroethane	2.93	64	46182	46.910	ug/l	96
7) Trichlorofluoromethane	3.27	101	213157	47.289	ug/l	98
8) Diethyl Ether	3.70	74	42865	47.101	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98539	45.652	ug/l	98
10) Methyl Iodide	4.30	142	111131	50.301	ug/l	97
11) Tert butyl alcohol	5.21	59	32890	267.481	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	95574	47.852	ug/l	94
13) Acrolein	3.93	56	22996	234.507	ug/l	91
14) Allyl chloride	4.71	41	95936	49.690	ug/l	97
15) Acrylonitrile	5.43	53	80415	253.698	ug/l	97
16) Acetone	4.16	43	70524	230.748	ug/l #	88
17) Carbon Disulfide	4.41	76	278195	48.158	ug/l	99
18) Methyl Acetate	4.71	43	30180	49.083	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	214372	50.221	ug/l	95
20) Methylene Chloride	4.97	84	114030	49.178	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	113673	50.060	ug/l	97
22) Diisopropyl ether	6.37	45	199003	52.217	ug/l	98
23) Vinyl Acetate	6.31	43	573182	266.621	ug/l	97
24) 1,1-Dichloroethane	6.27	63	164799	51.004	ug/l	99
25) 2-Butanone	7.21	43	85586	249.548	ug/l	96
26) 2,2-Dichloropropane	7.21	77	177982	46.692	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	125987	52.053	ug/l	97
28) Bromochloromethane	7.54	49	56154	54.255	ug/l	96
29) Tetrahydrofuran	7.57	42	50037	256.605	ug/l	96
30) Chloroform	7.71	83	216138	51.154	ug/l	97
31) Cyclohexane	7.99	56	123274	43.064	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	213987	47.821	ug/l	98
36) 1,1-Dichloropropene	8.11	75	145560	46.578	ug/l	99
37) Ethyl Acetate	7.29	43	39619	47.148	ug/l	98
38) Carbon Tetrachloride	8.10	117	202327	44.664	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	169100	45.724	ug/l	96
40) Benzene	8.36	78	409212	47.678	ug/l	97
41) Methacrylonitrile	7.53	41	21341m	49.735	ug/l	
42) 1,2-Dichloroethane	8.43	62	140722	48.321	ug/l	100
43) Isopropyl Acetate	8.46	43	79925	47.628	ug/l	95
44) Trichloroethene	9.11	130	134713	47.357	ug/l	91
45) 1,2-Dichloropropane	9.39	63	84908	48.212	ug/l	91
46) Dibromomethane	9.48	93	58198	48.539	ug/l	96
47) Bromodichloromethane	9.67	83	163145	48.863	ug/l	96
48) Methyl methacrylate	9.46	41	38586	45.993	ug/l	94
49) 1,4-Dioxane	9.46	88	12179	937.291	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	191837	242.941	ug/l	97
52) Toluene	10.41	92	285859	49.095	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	143216	49.097	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	157473	47.702	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	79330	49.311	ug/l	98
56) Ethyl methacrylate	10.67	69	84065	50.472	ug/l	98
57) 1,3-Dichloropropane	10.95	76	124277	48.994	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	232095	298.230	ug/l	99
59) 2-Hexanone	10.99	43	134923	242.008	ug/l	98
60) Dibromochloromethane	11.14	129	124361	50.728	ug/l	97
61) 1,2-Dibromoethane	11.25	107	77260	48.740	ug/l	100
64) Tetrachloroethene	10.88	164	117522	45.136	ug/l	91
65) Chlorobenzene	11.67	112	320288	48.577	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	132782	49.786	ug/l	98
67) Ethyl Benzene	11.75	91	553641	48.639	ug/l	99
68) m/p-Xylenes	11.86	106	430094	97.097	ug/l	99
69) o-Xylene	12.18	106	194835	48.310	ug/l	100
70) Styrene	12.20	104	340607	49.582	ug/l	99
71) Bromoform	12.37	173	70596	48.759	ug/l #	100
73) Isopropylbenzene	12.48	105	551191	48.345	ug/l	100
74) N-amyl acetate	12.29	43	69371	46.140	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	72395	47.315	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	53818m	44.564	ug/l	
77) Bromobenzene	12.77	156	135028	47.313	ug/l	98
78) n-propylbenzene	12.82	91	593815	46.816	ug/l	100
79) 2-Chlorotoluene	12.91	91	361413	48.126	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	478960	48.301	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	25161	48.730	ug/l	99
82) 4-Chlorotoluene	13.01	91	383183	47.886	ug/l	99
83) tert-Butylbenzene	13.23	119	390447	45.822	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	472719	47.721	ug/l	100
85) sec-Butylbenzene	13.40	105	519531	46.410	ug/l	100
86) p-Isopropyltoluene	13.52	119	510922	47.122	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	259300	46.946	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	252099	46.076	ug/l	99
89) n-Butylbenzene	13.84	91	415880	44.759	ug/l	100
90) Hexachloroethane	14.11	117	93476	45.288	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	222266	46.713	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14803	44.874	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	155499	46.156	ug/l	99
94) Hexachlorobutadiene	15.27	225	97933	45.496	ug/l	96
95) Naphthalene	15.40	128	256810	47.101	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	134475	46.860	ug/l	98

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

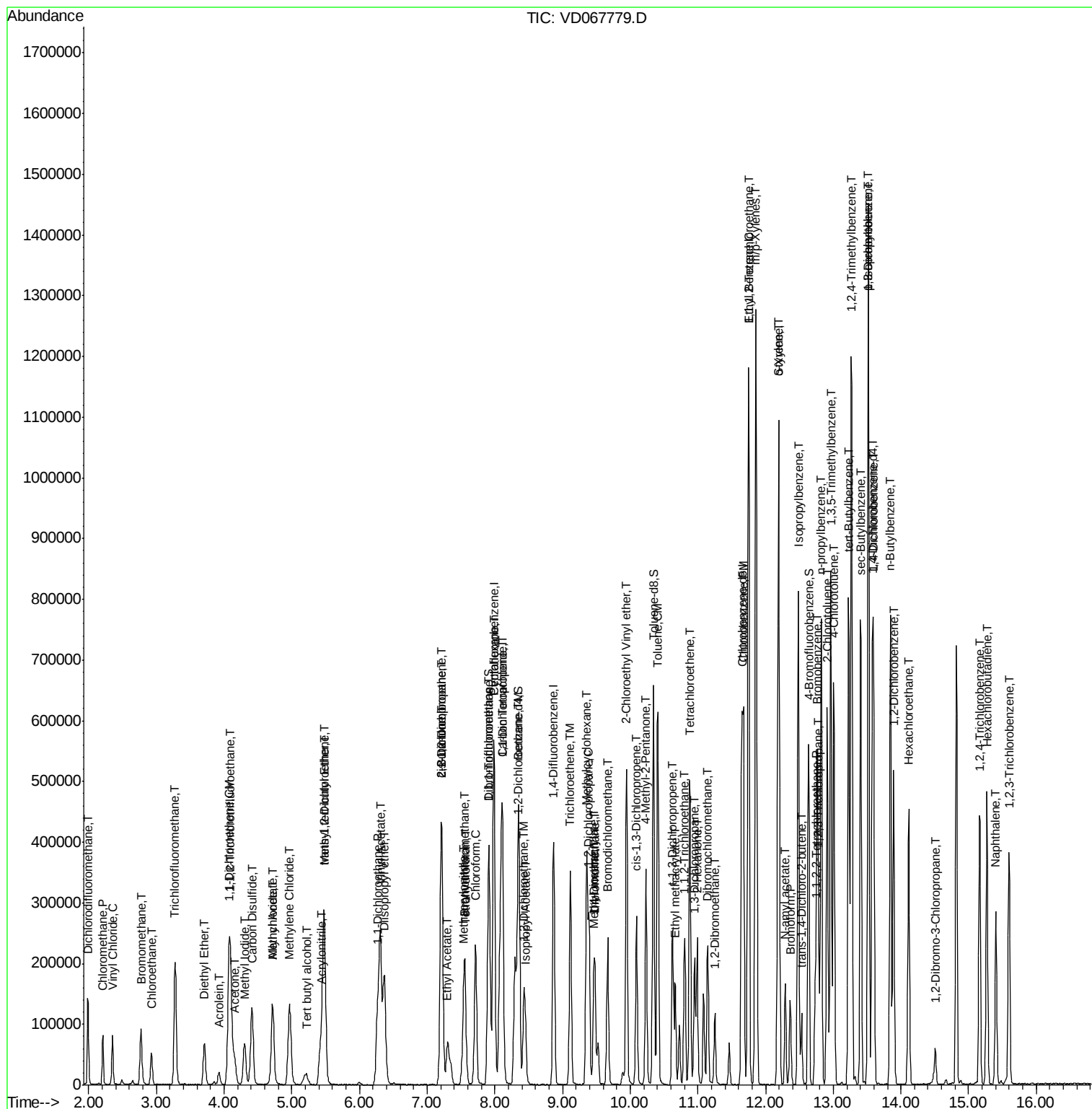
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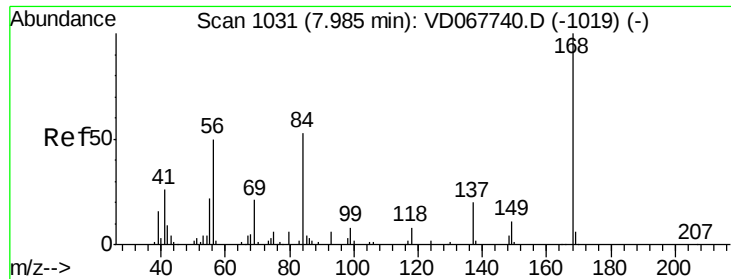
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 243317

Ion Ratio Lower Upper

168 100

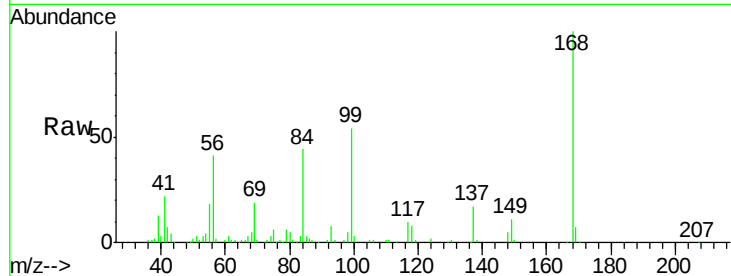
99 54.0 43.8 65.8

Manual Integrations

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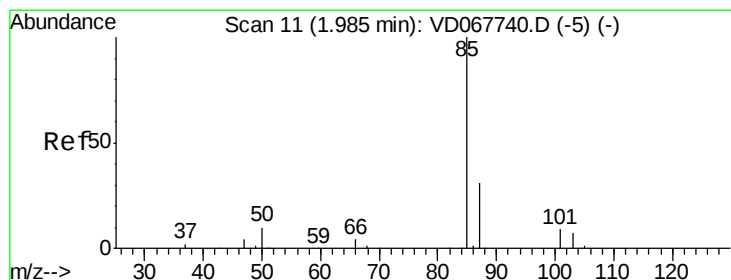
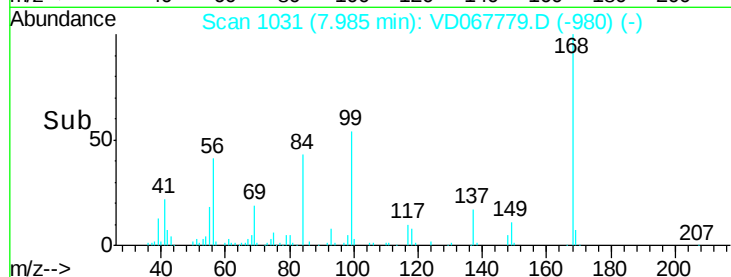
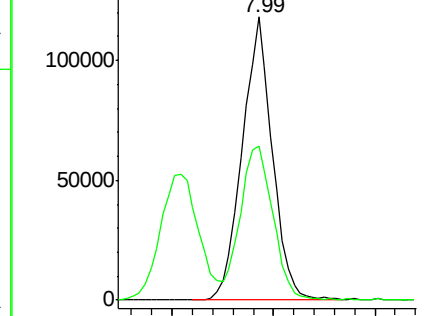
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.538 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067779.D

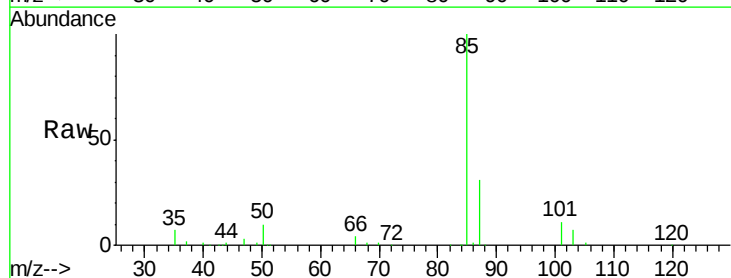
Acq: 24 Nov 2020 20:19

Tgt Ion: 85 Resp: 104893

Ion Ratio Lower Upper

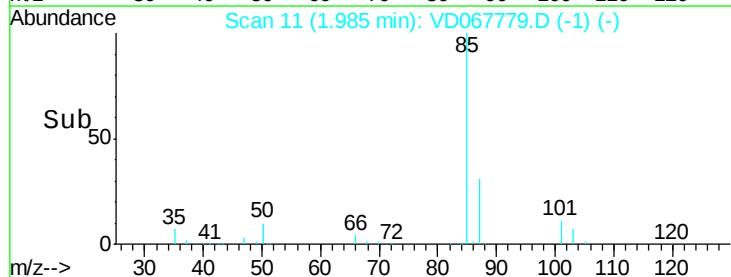
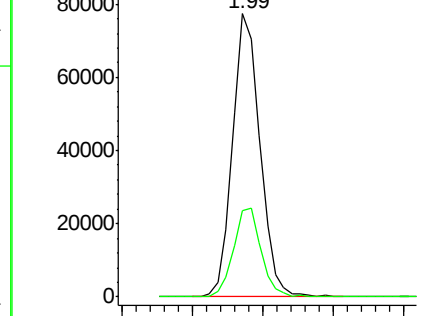
85 100

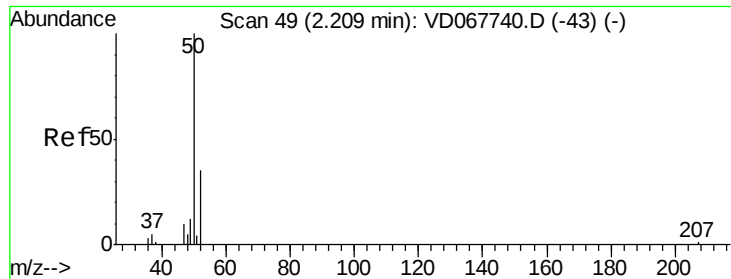
87 30.5 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.503 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 61891

Ion Ratio Lower Upper

50 100

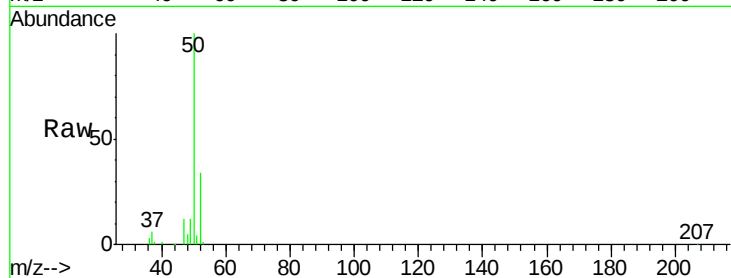
52 34.2 27.8 41.8

Manual Integrations

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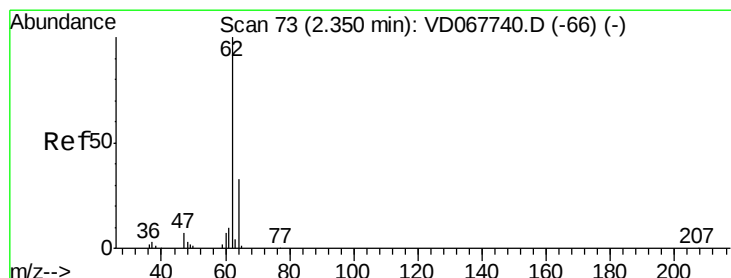
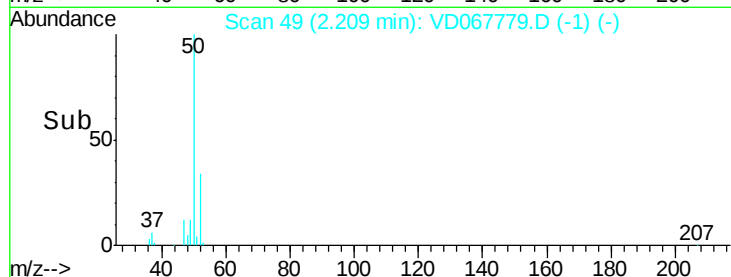
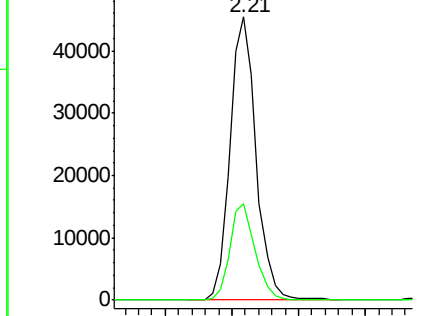
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.112 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067779.D

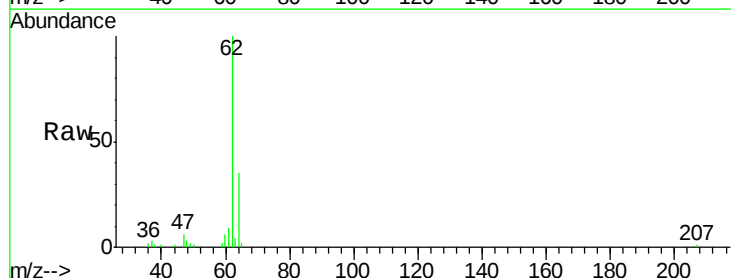
Acq: 24 Nov 2020 20:19

Tgt Ion: 62 Resp: 72545

Ion Ratio Lower Upper

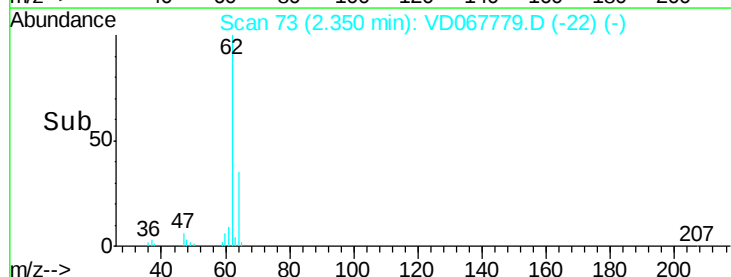
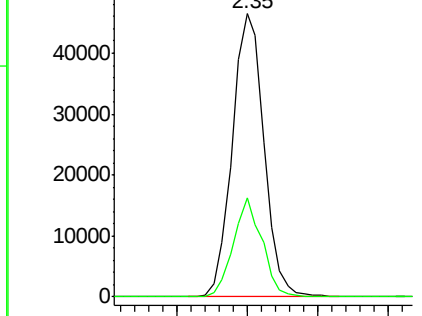
62 100

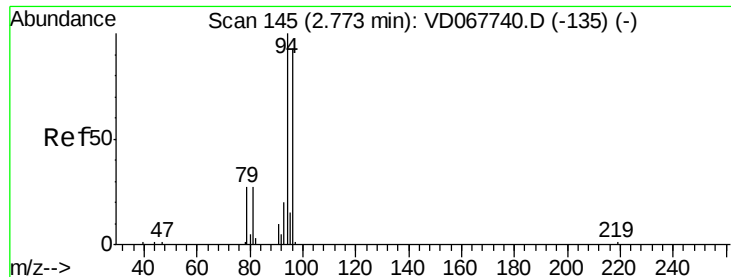
64 35.2 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.350 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

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Tot Ion: 94 Resp: 65883

Ion Ratio Lower Upper

94 100

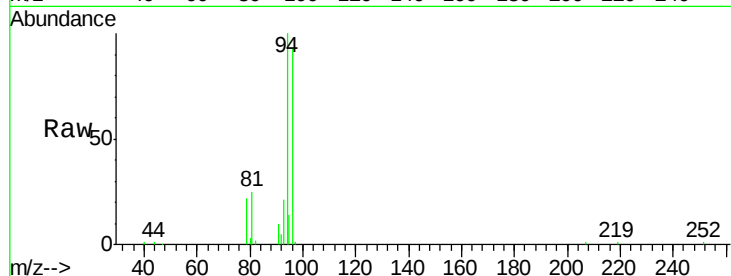
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Manual Integrations

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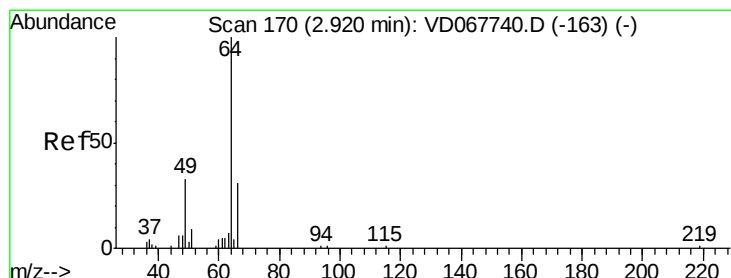
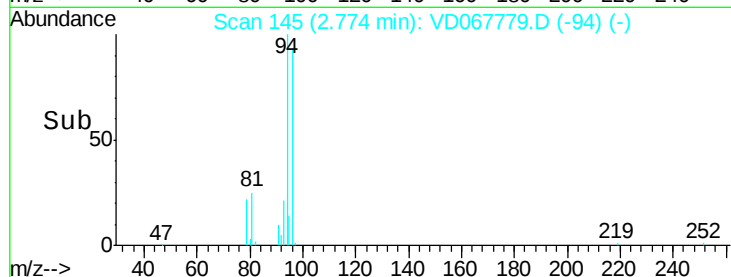
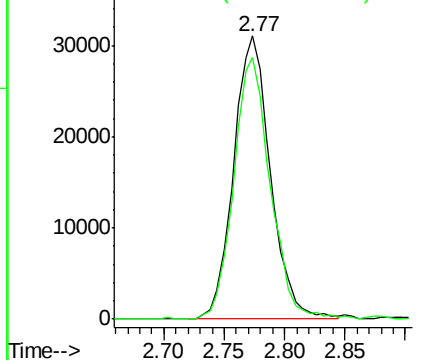
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.910 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067779.D

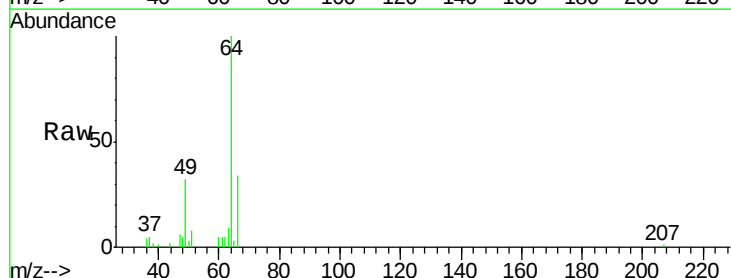
Acq: 24 Nov 2020 20:19

Tgt Ion: 64 Resp: 46182

Ion Ratio Lower Upper

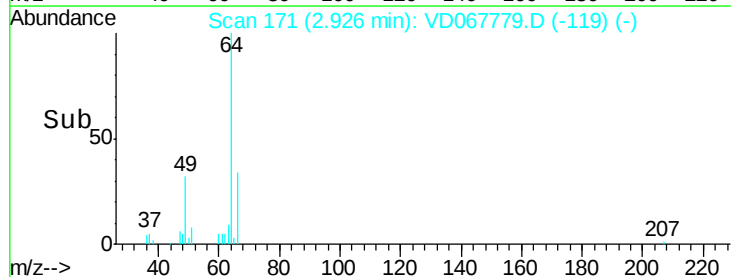
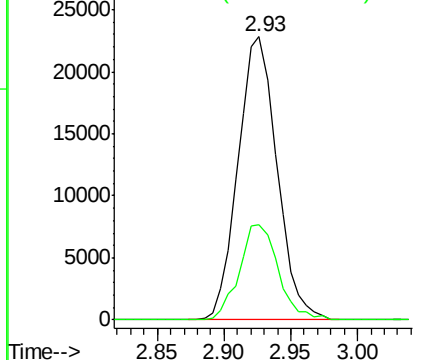
64 100

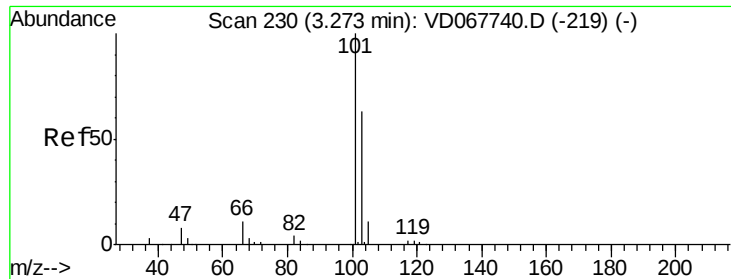
66 33.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

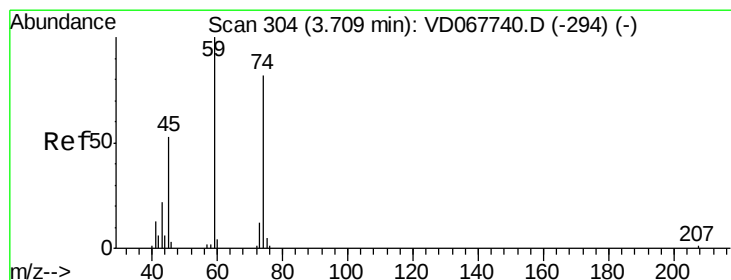
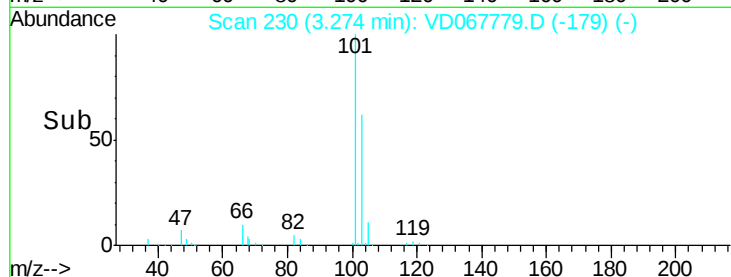
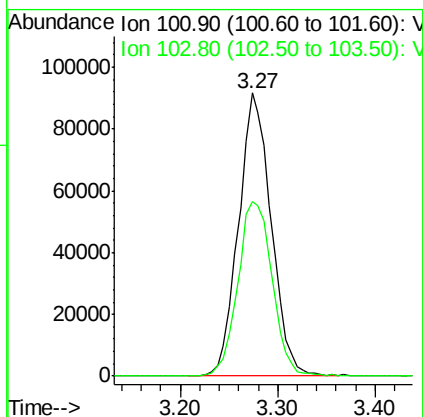
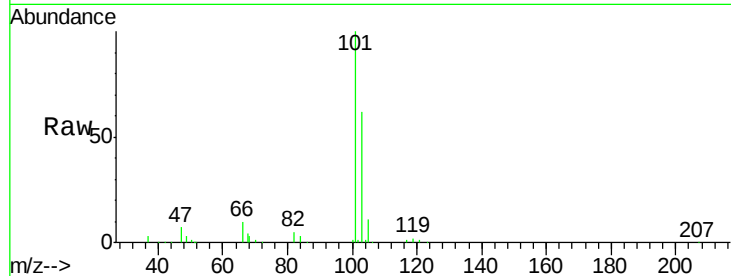
Trichlorofluoromethane
 Concen: 47.289 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067779.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	50.3	75.5

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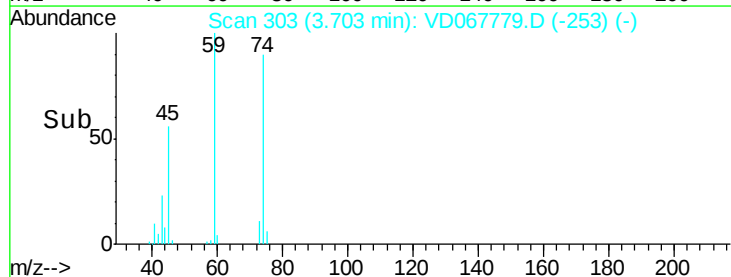
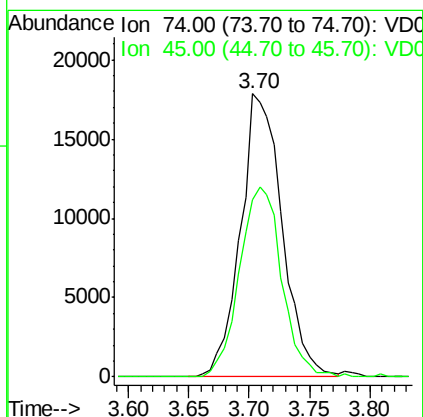
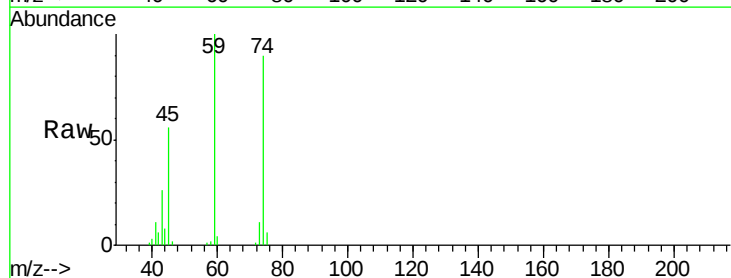
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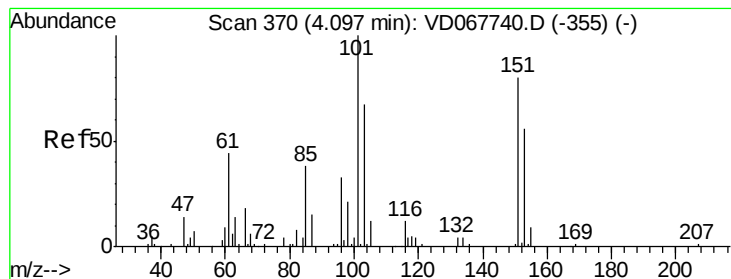


#8

Diethyl Ether
 Concen: 47.101 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	68.0	35.9	107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.652 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

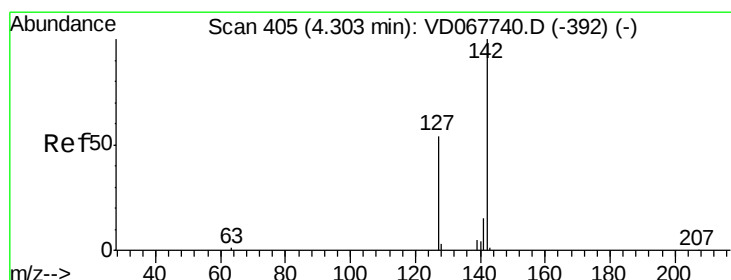
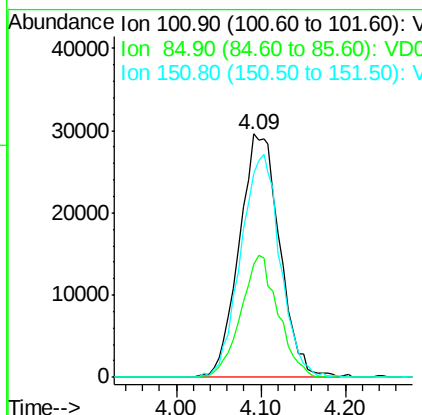
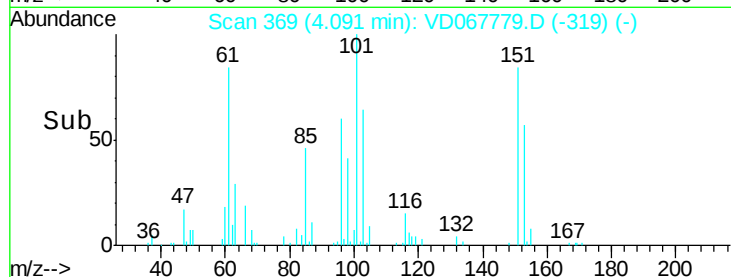
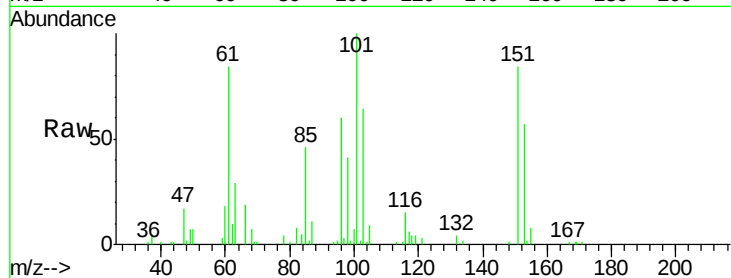
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	98539
Ion Ratio	Lower	Upper	
101	100		
85	46.0	35.5	53.3
151	88.9	69.4	104.0

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#10

Methyl Iodide

Concen: 50.301 ug/l

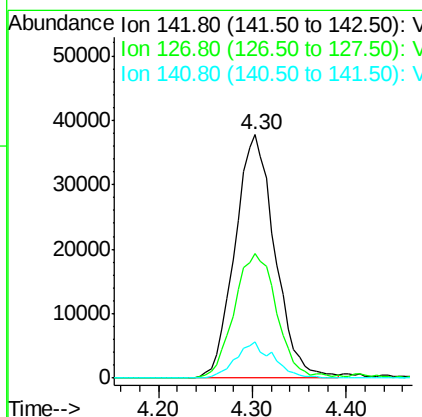
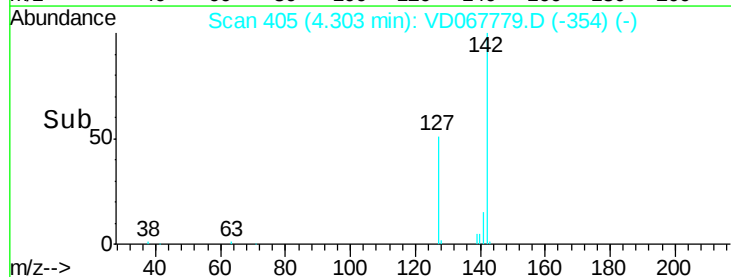
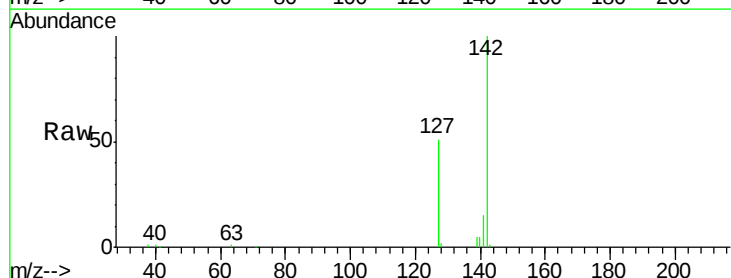
RT: 4.30 min Scan# 405

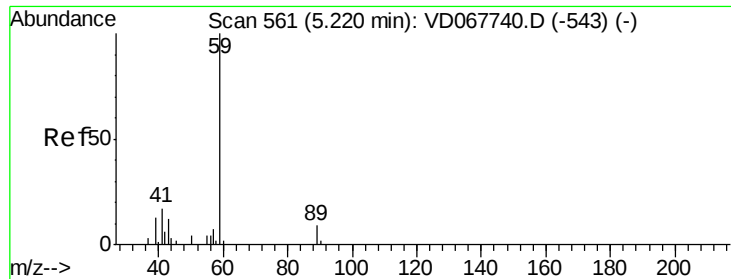
Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Tgt Ion:	142	Resp:	111131
Ion Ratio	Lower	Upper	
142	100		
127	54.7	42.2	63.2
141	13.9	11.8	17.6





#11

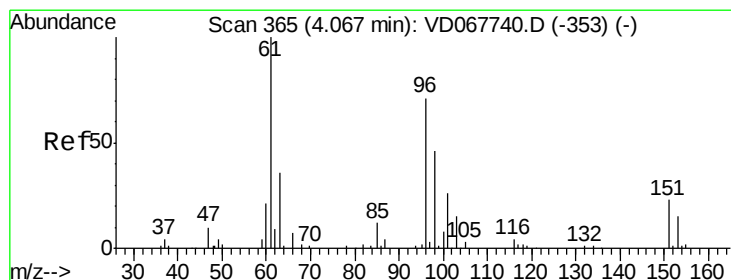
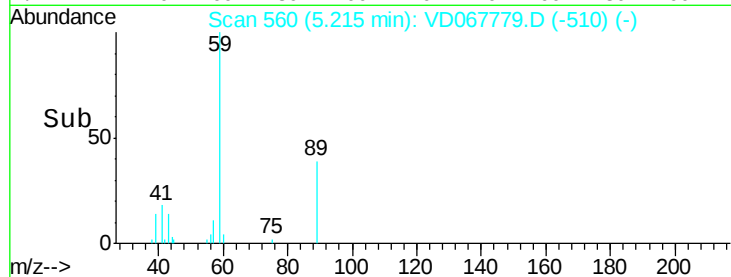
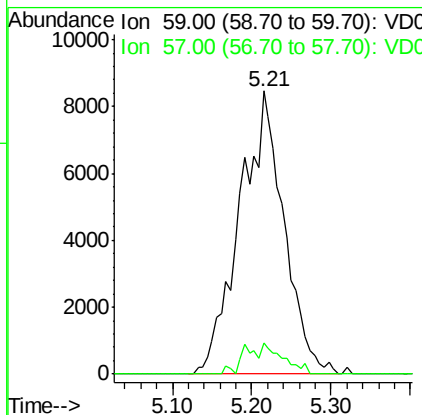
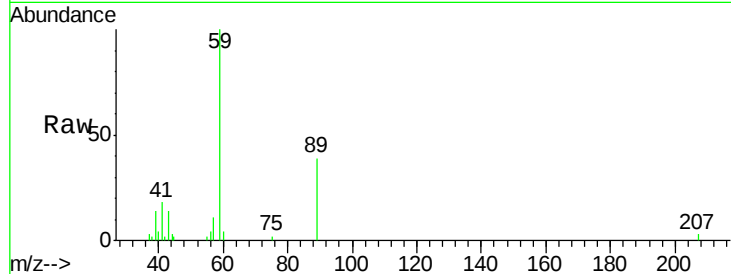
Tert butyl alcohol
 Concen: 267.481 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.4	3.4	5.0#

Manual Integrations
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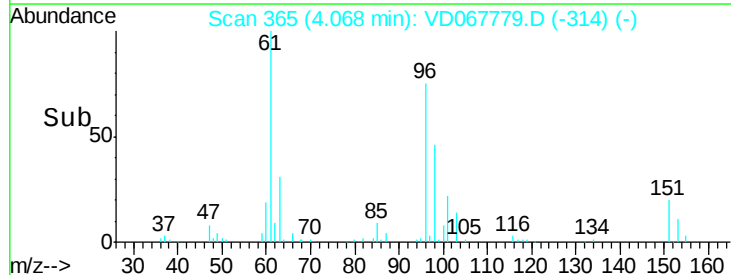
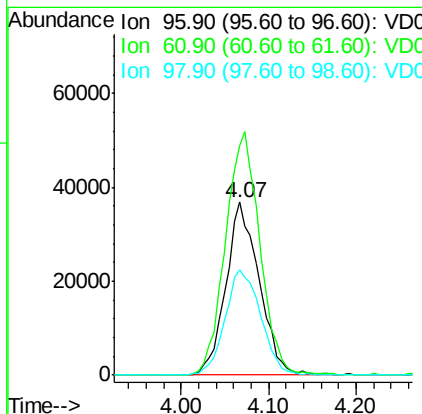
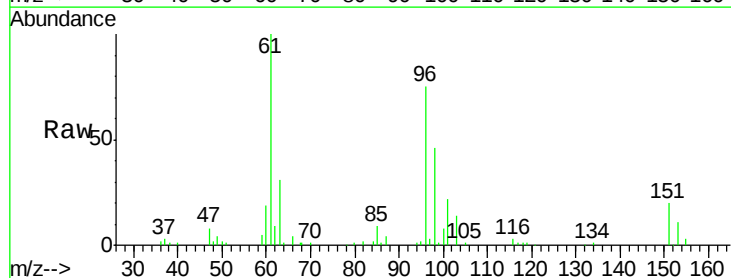
MMDadoda
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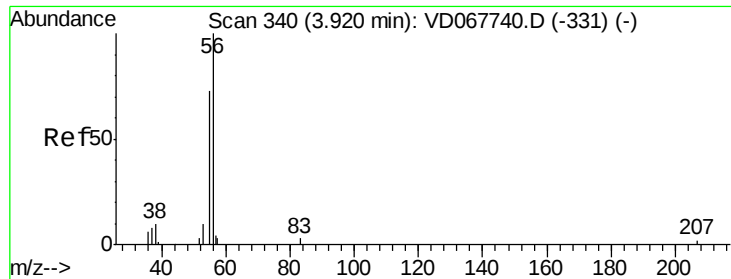


#12

1,1-Dichloroethene
 Concen: 47.852 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.7	112.9	169.3
98	61.1	52.4	78.6





#13

Acrolein

Concen: 234.507 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 22996

Ion Ratio Lower Upper

56 100

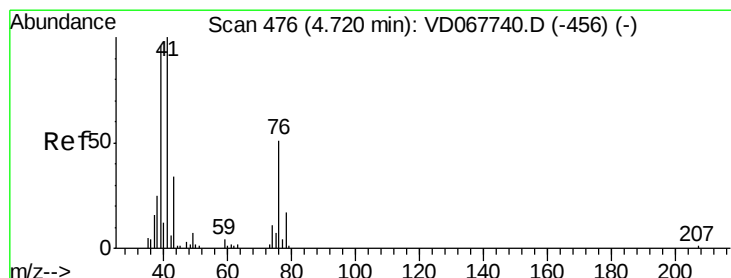
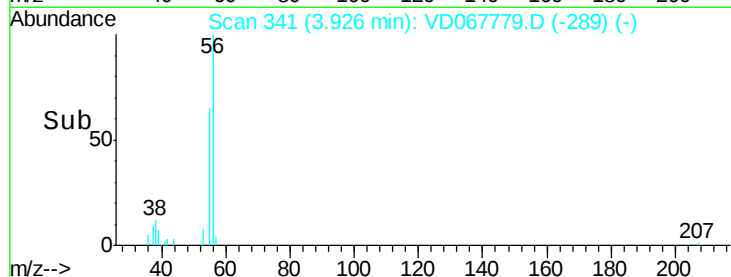
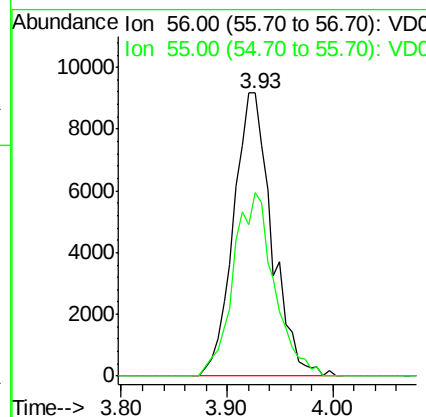
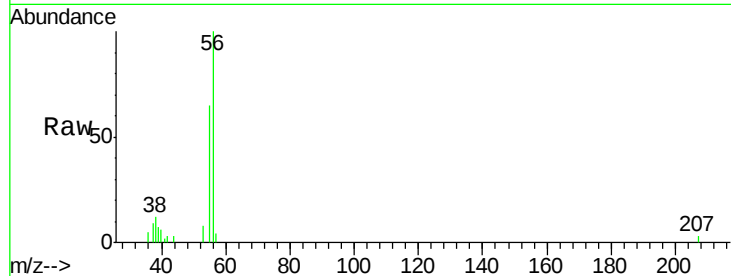
55 68.7 61.2 91.8

Manual Integrations

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#14

Allyl chloride

Concen: 49.690 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

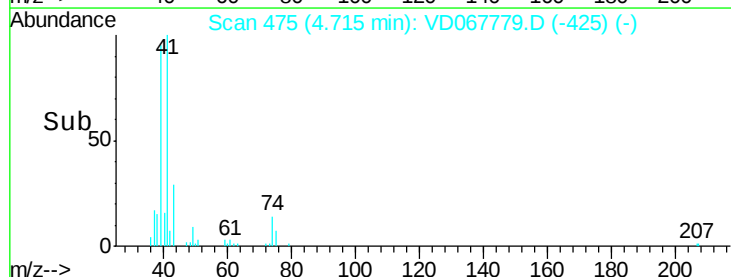
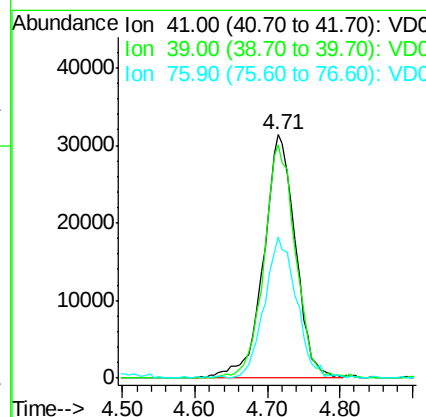
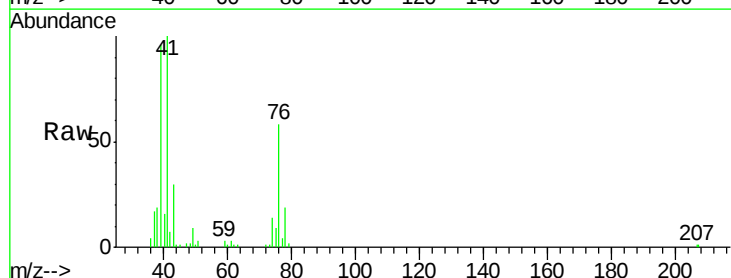
Tgt Ion: 41 Resp: 95936

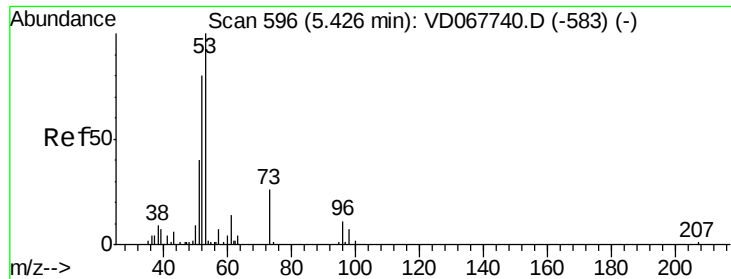
Ion Ratio Lower Upper

41 100

39 95.0 74.6 111.8

76 58.1 43.3 64.9





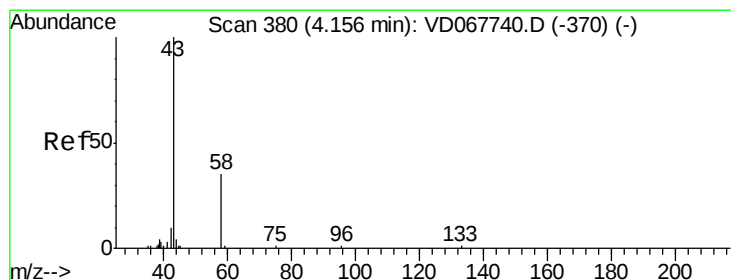
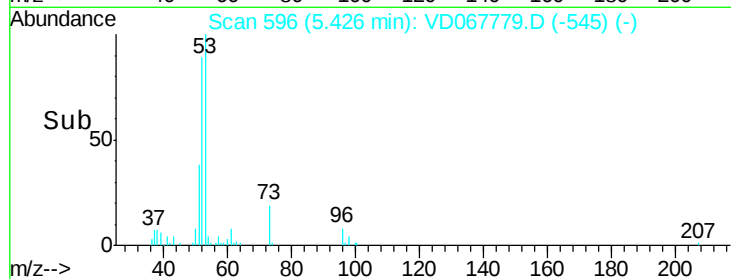
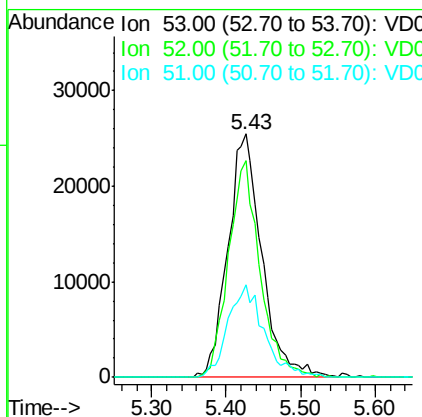
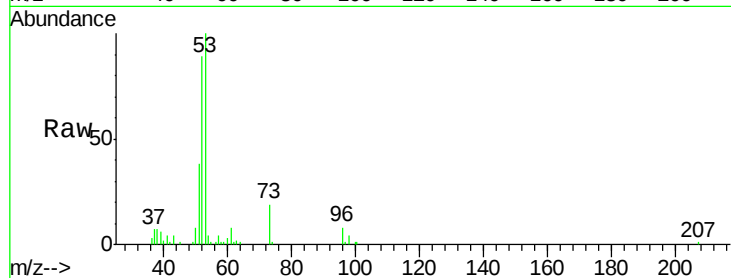
#15
 Acrylonitrile
 Concen: 253.698 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	63.4	95.2
51	40.6	31.4	47.2

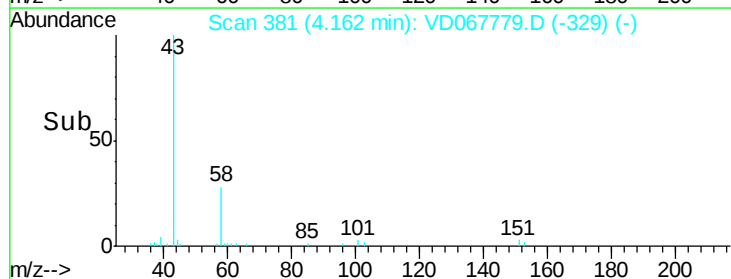
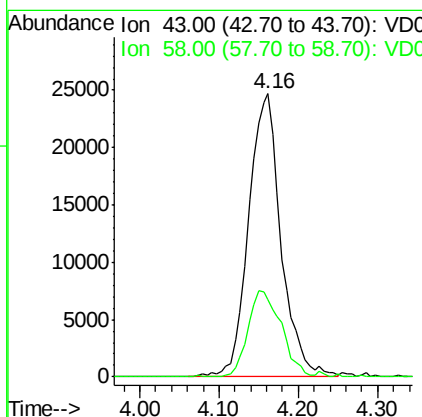
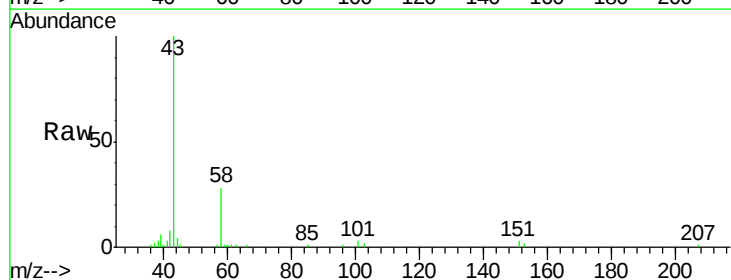
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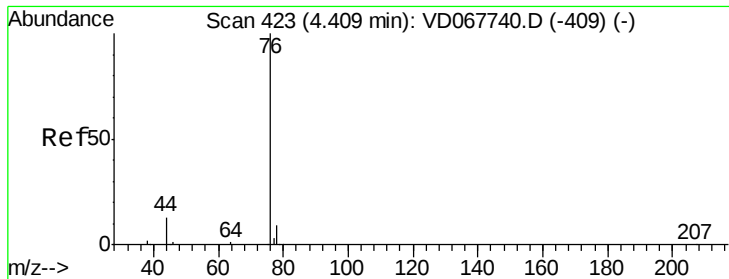
MMDadoda
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#16
 Acetone
 Concen: 230.748 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.5	27.6	41.4#





#17

Carbon Disulfide

Concen: 48.158 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 278195

Ion Ratio Lower Upper

76 100

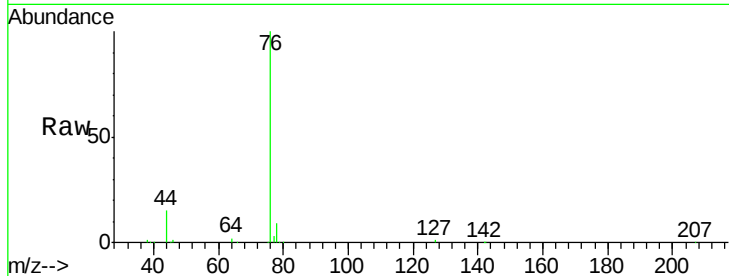
78 9.2 7.5 11.3

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

100000

80000

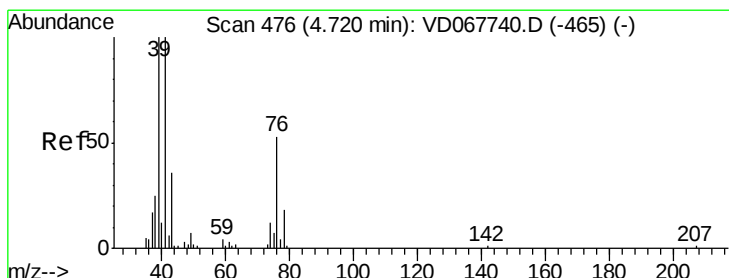
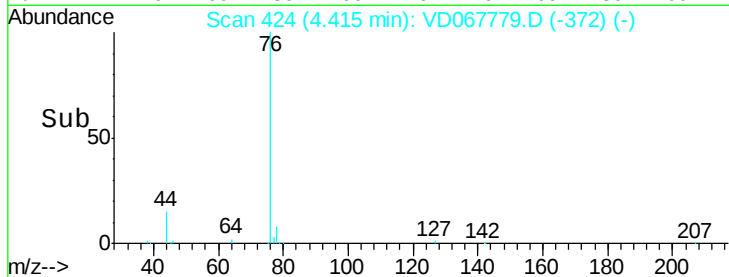
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 49.083 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067779.D

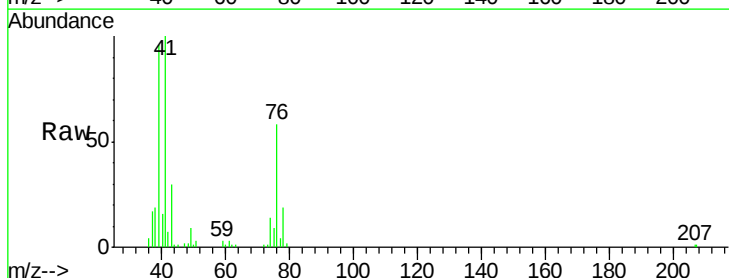
Acq: 24 Nov 2020 20:19

Tgt Ion: 43 Resp: 30180

Ion Ratio Lower Upper

43 100

74 36.8 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

10000

8000

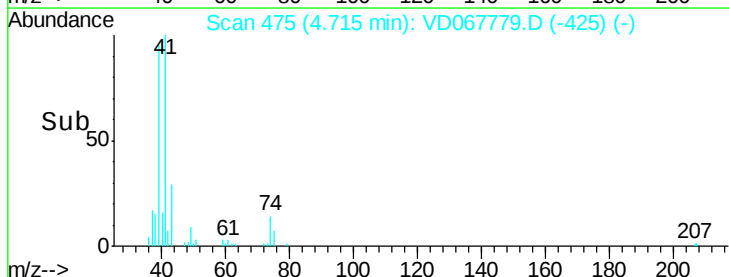
6000

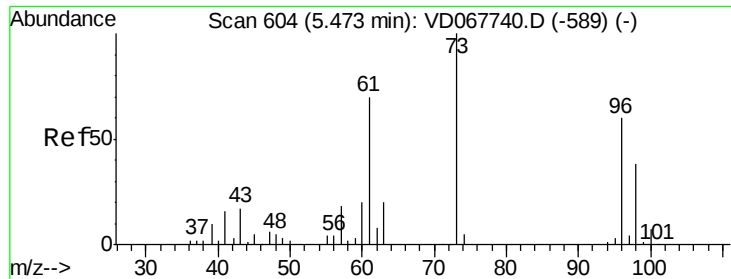
4000

2000

0

Time-->





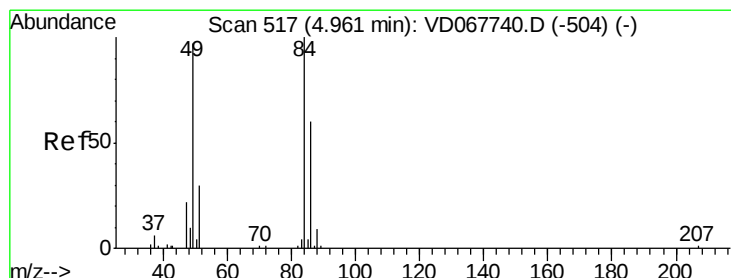
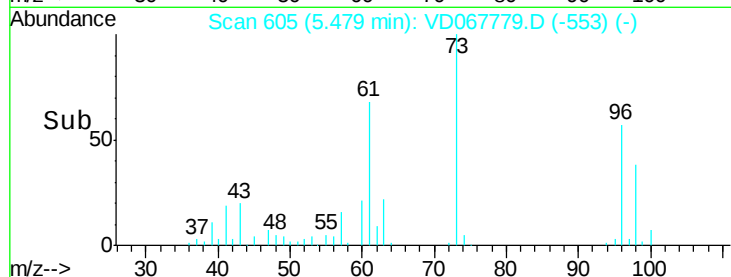
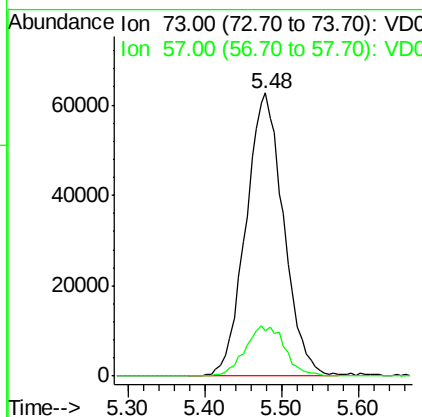
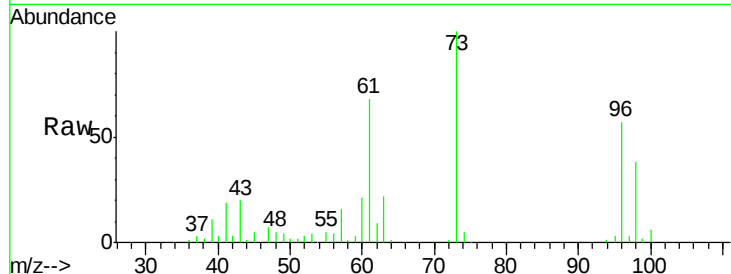
#19
Methyl tert-butyl Ether
Concen: 50.221 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion: 73 Resp: 214372
Ion Ratio Lower Upper
73 100
57 16.2 14.8 22.2

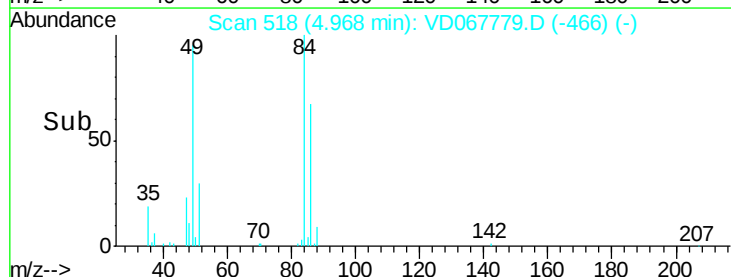
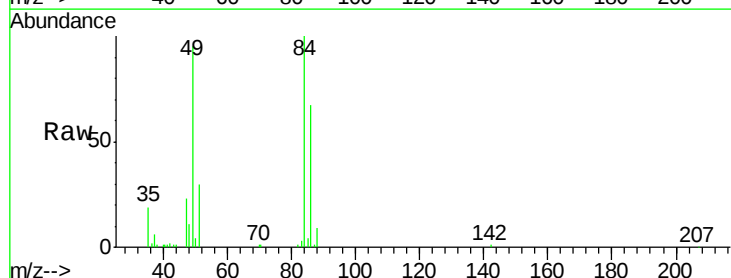
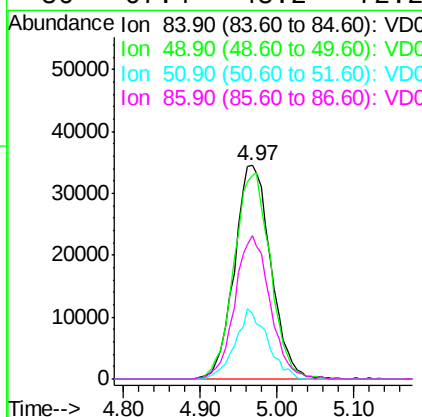
Manual Integrations
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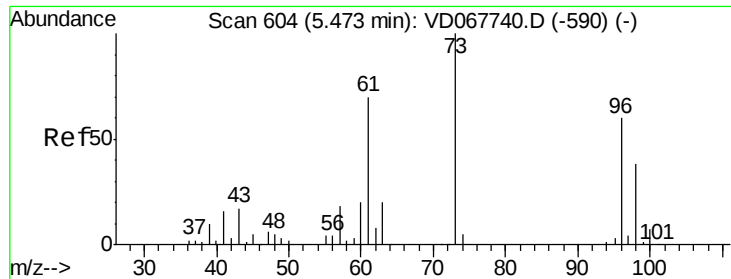
MMDadoda
11/25/2020 2:01:59 PM



#20
Methylene Chloride
Concen: 49.178 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion: 84 Resp: 114030
Ion Ratio Lower Upper
84 100
49 95.1 77.4 116.2
51 30.3 24.1 36.1
86 67.4 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 50.060 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 113673

Ion Ratio Lower Upper

96 100

61 113.9 94.0 141.0

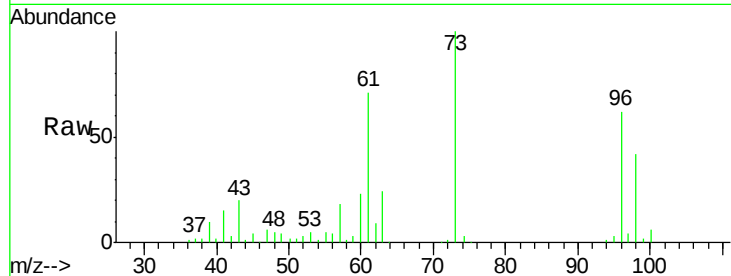
98 66.8 51.3 76.9

Manual Integrations

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MMDadoda

11/25/2020 2:01:59 PM

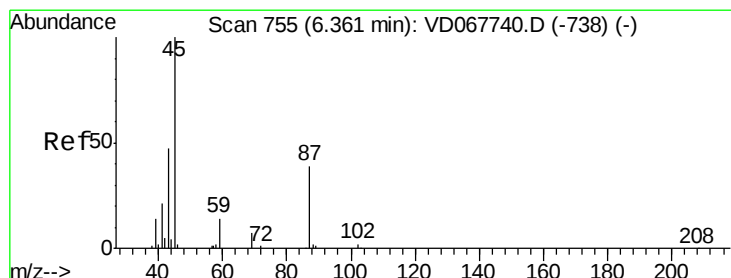
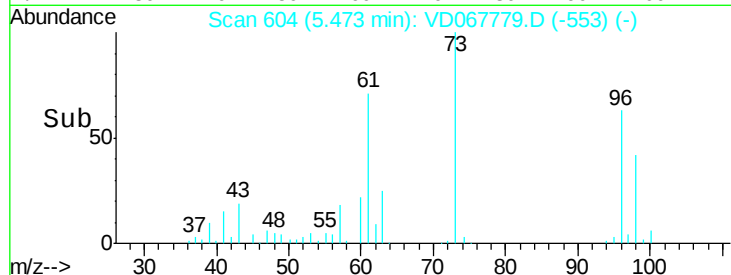
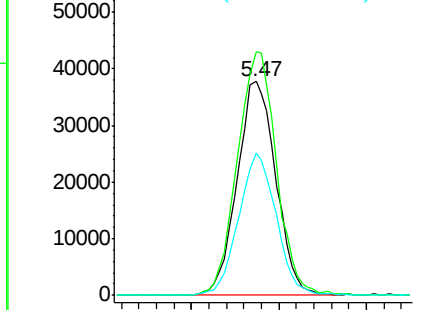


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 52.217 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Tgt Ion: 45 Resp: 199003

Ion Ratio Lower Upper

45 100

43 60.4 46.8 70.2

87 40.9 32.9 49.3

59 12.3 11.2 16.8

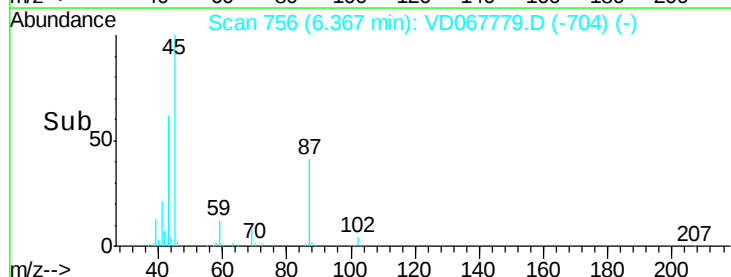
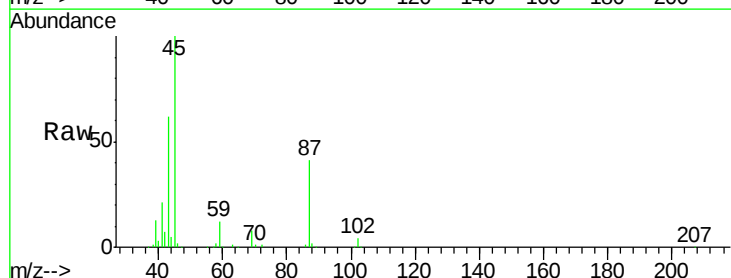
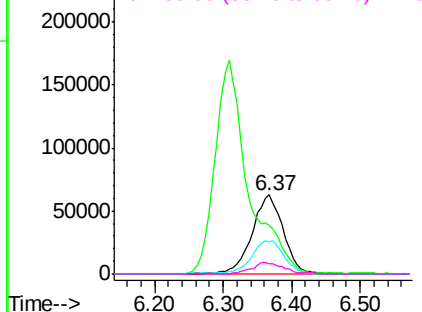
Abundance

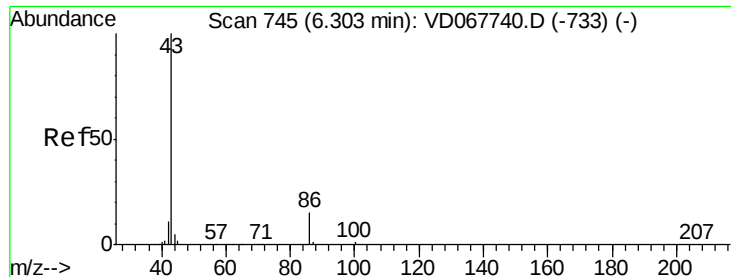
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 266.621 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 573182

Ion Ratio Lower Upper

43 100

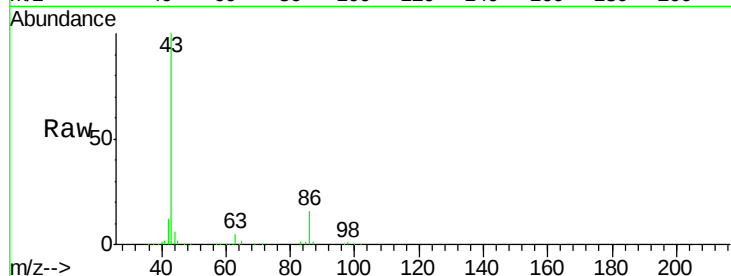
86 15.9 11.7 17.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

200000

150000

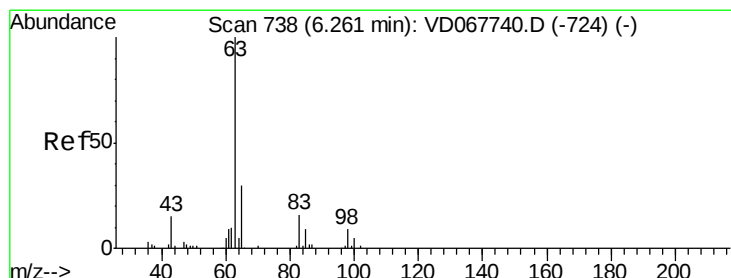
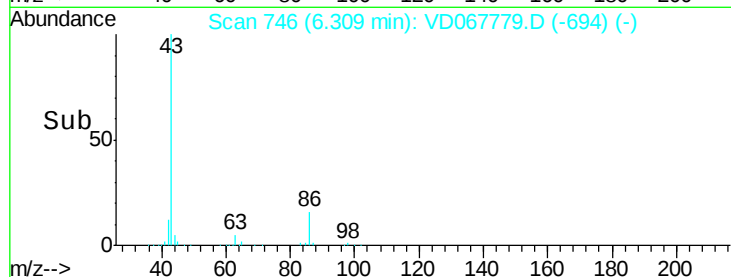
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 51.004 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

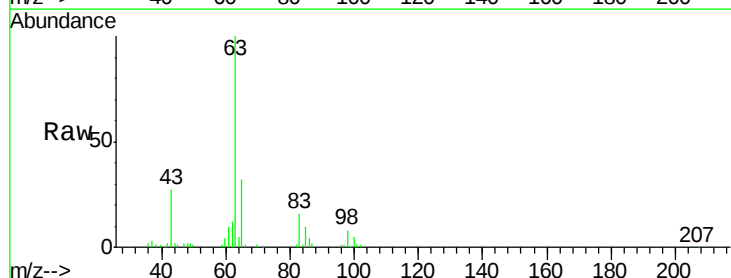
Tgt Ion: 63 Resp: 164799

Ion Ratio Lower Upper

63 100

98 8.3 4.4 13.2

100 5.4 2.6 8.0



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

60000

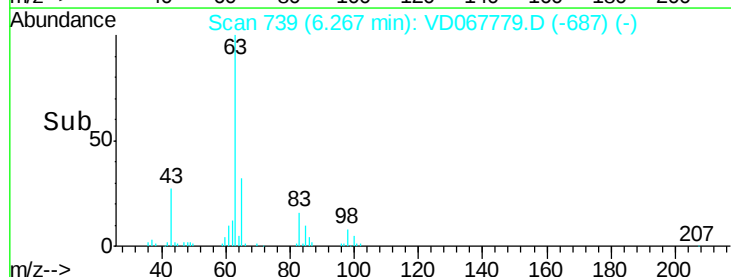
40000

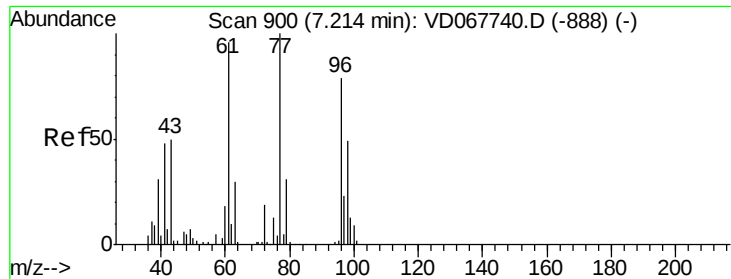
20000

0

6.10 6.20 6.30 6.40

Time-->





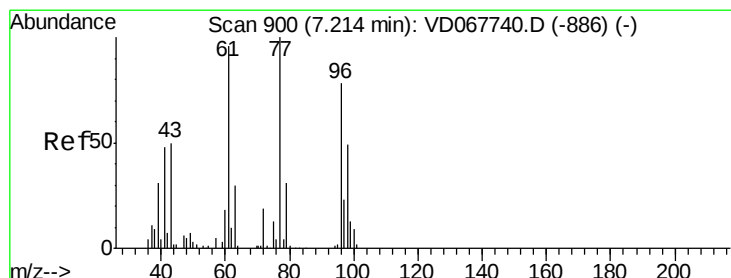
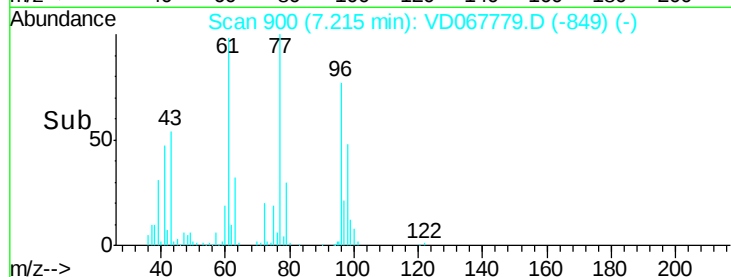
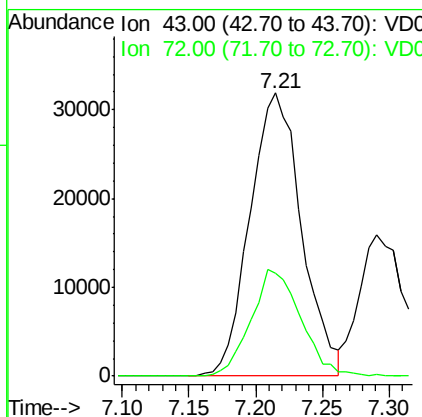
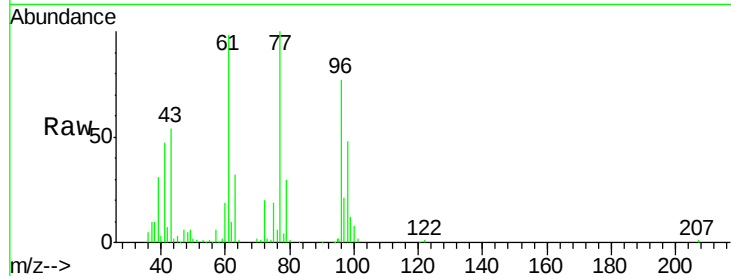
#25
2-Butanone
Concen: 249.548 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 85586
Ion Ratio Lower Upper
43 100
72 36.3 30.8 46.2

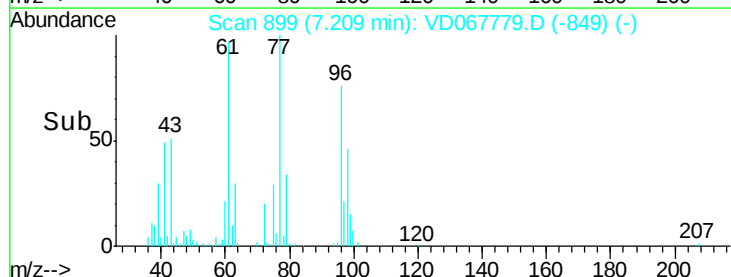
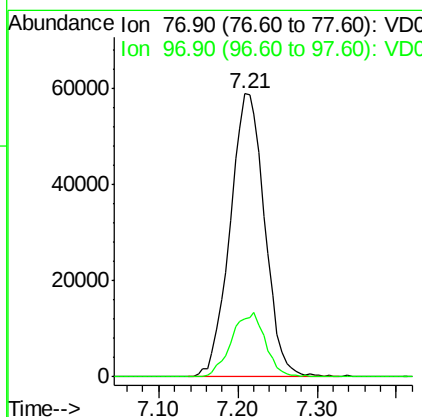
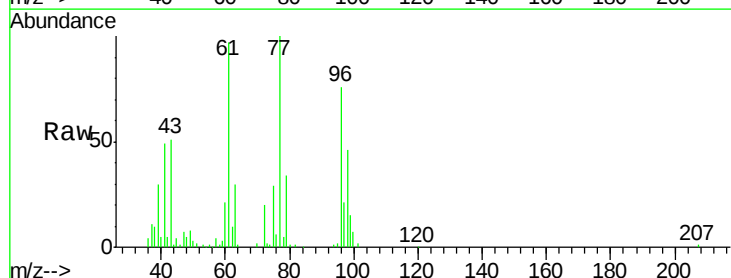
Manual Integrations
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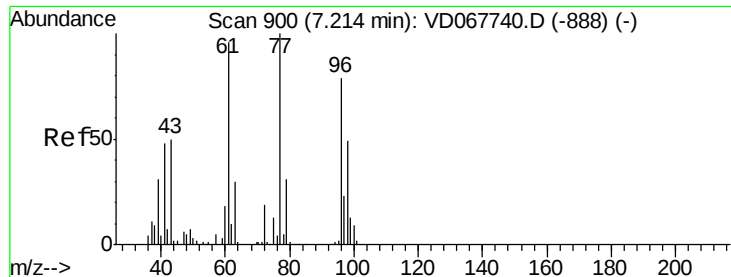
MMDadoda
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#26
2,2-Dichloropropane
Concen: 46.692 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion: 77 Resp: 177982
Ion Ratio Lower Upper
77 100
97 22.2 11.1 33.3





#27

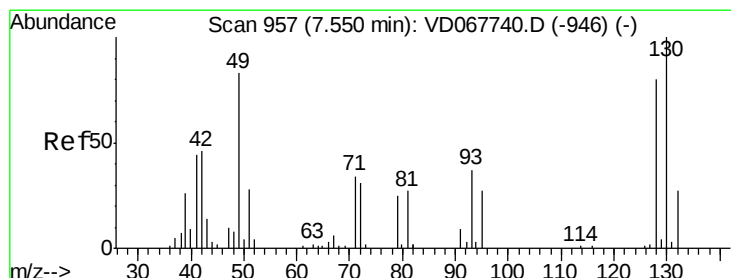
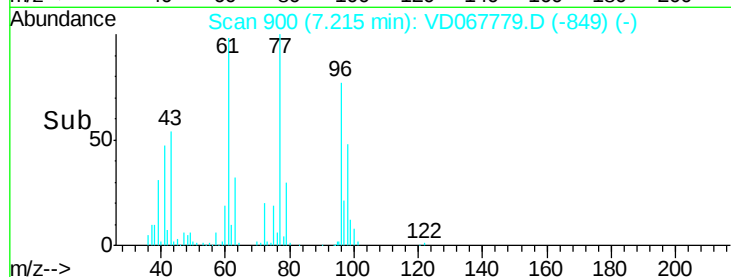
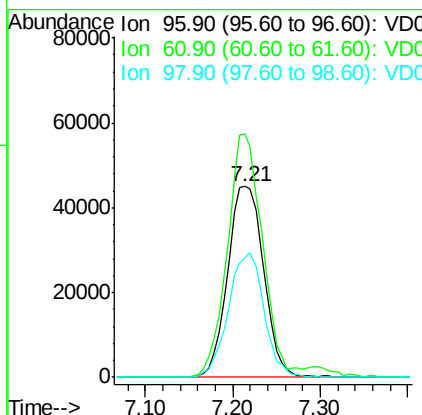
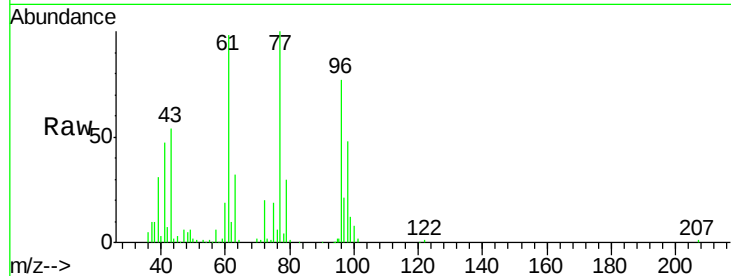
cis-1,2-Dichloroethene
Concen: 52.053 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	125987		
61	124.4		0.0	258.0
98	64.3		0.0	131.8

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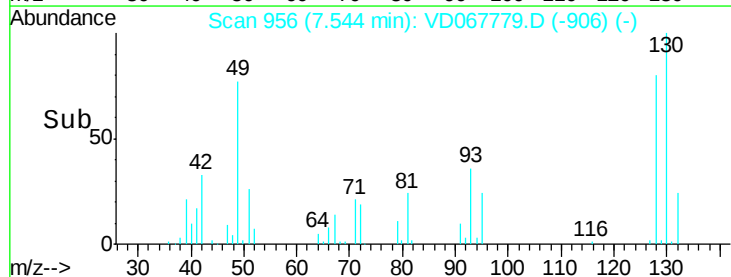
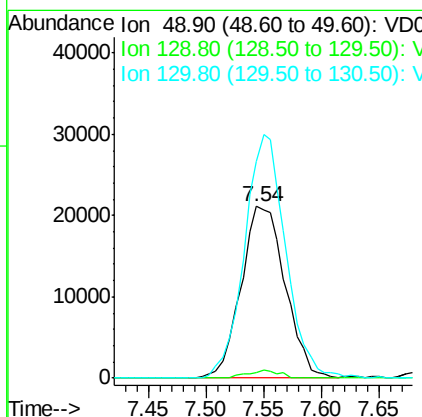
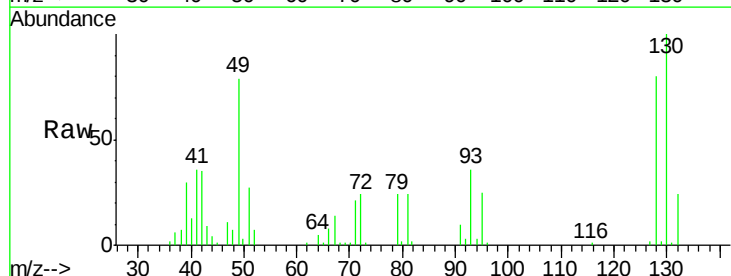
MMDadoda
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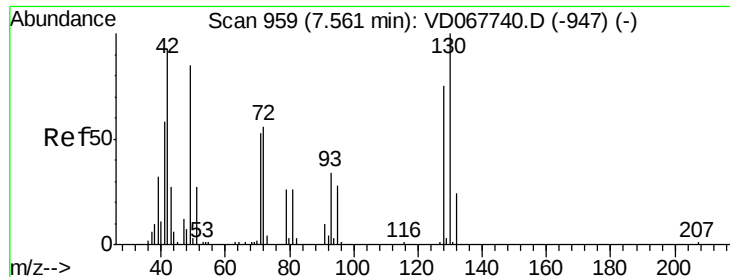


#28

Bromochloromethane
Concen: 54.255 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	56154		
129	3.2		0.0	7.0
130	132.8		102.2	153.4





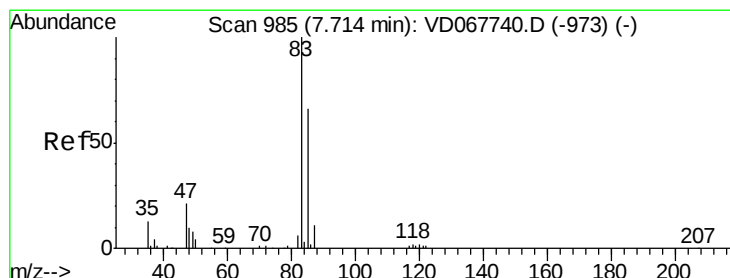
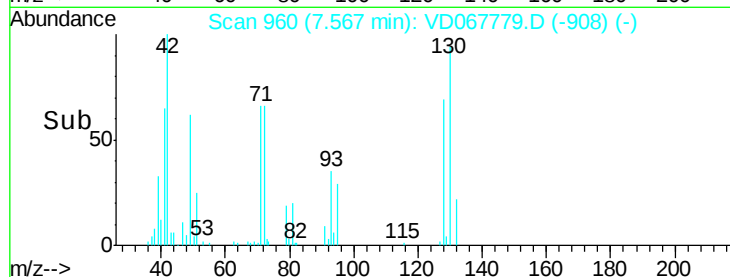
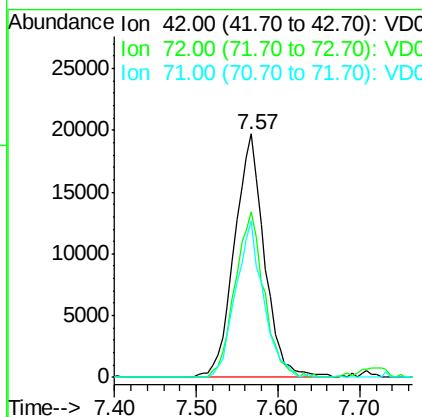
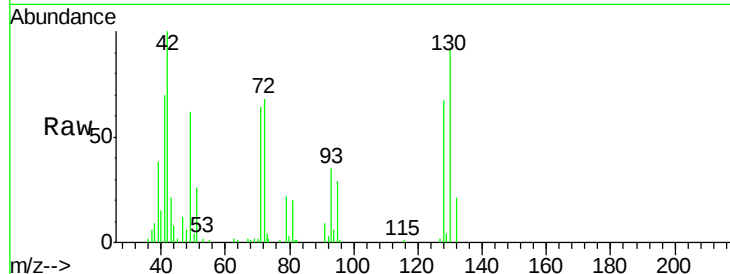
#29
Tetrahydrofuran
Concen: 256.605 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	65.7	49.3	73.9
71	59.4	45.9	68.9

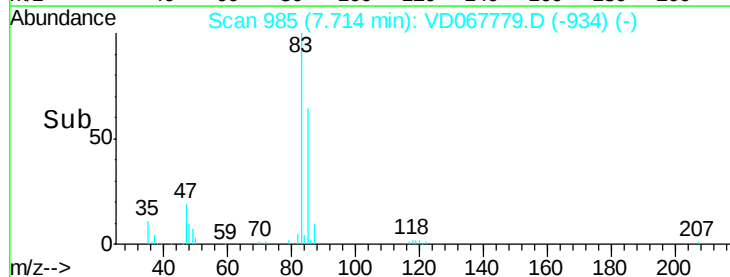
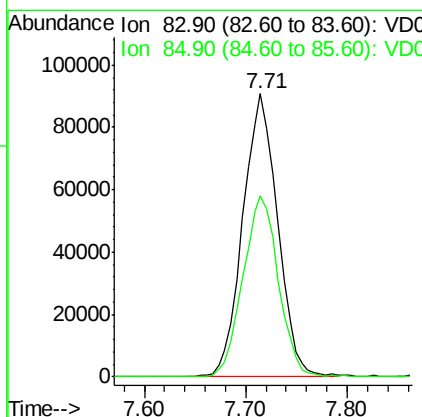
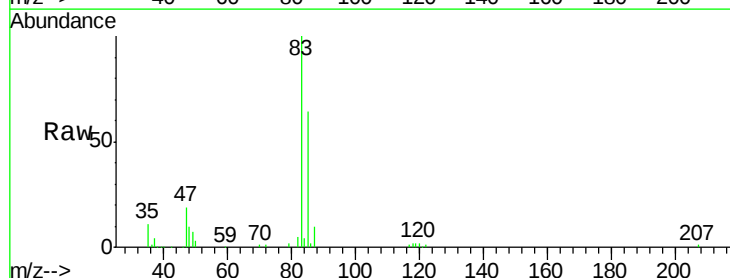
Manual Integrations
APPROVED

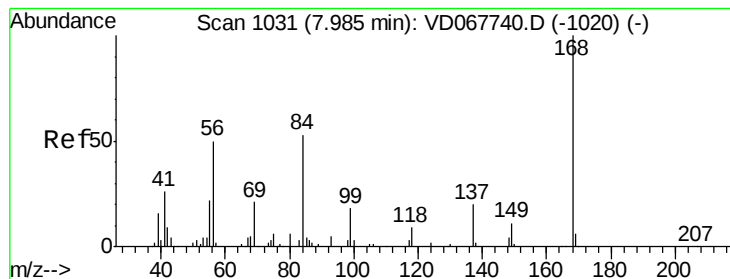
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#30
Chloroform
Concen: 51.154 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.1	79.7





#31

Cyclohexane

Concen: 43.064 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

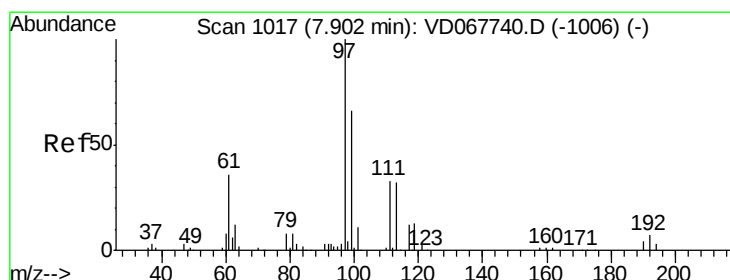
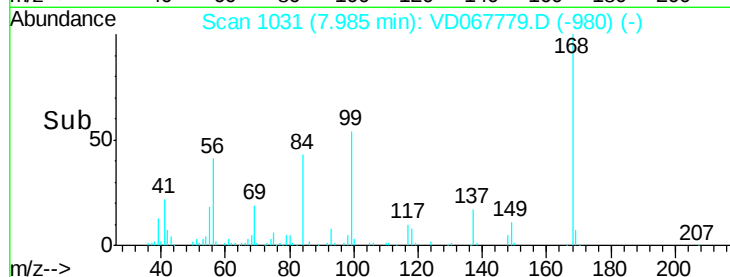
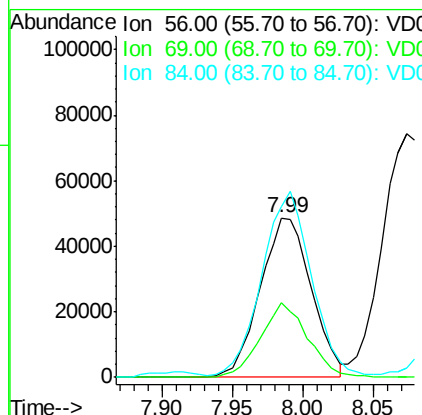
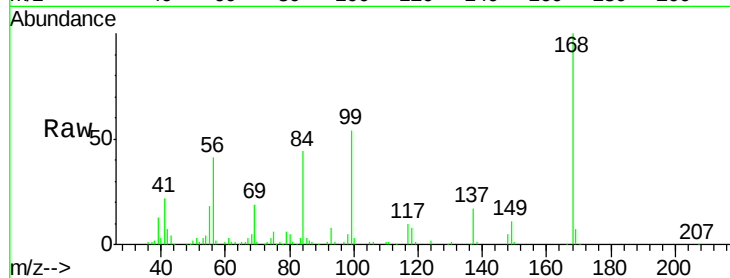
ClientSampleId :

VSTDCCC050EC

Tot Ion	56	Resp	123274
Ion	Ratio	Lower	Upper
56	100		
69	46.7	33.2	49.8
84	104.9	84.8	127.2

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 47.821 ug/l

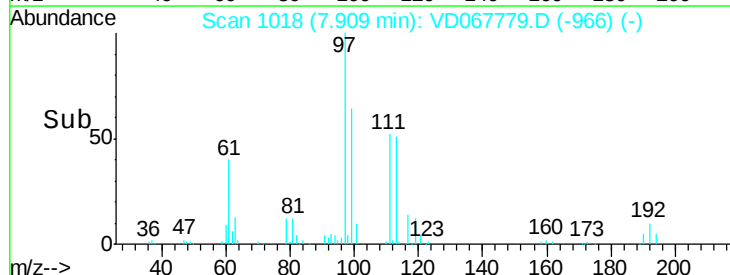
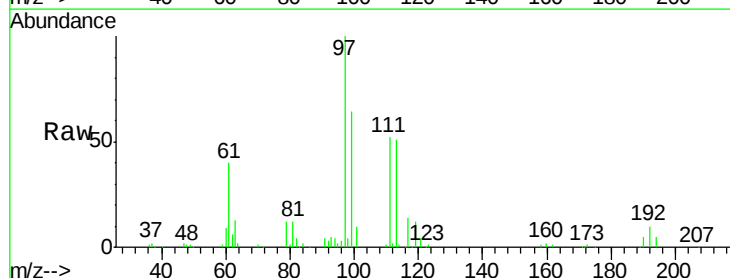
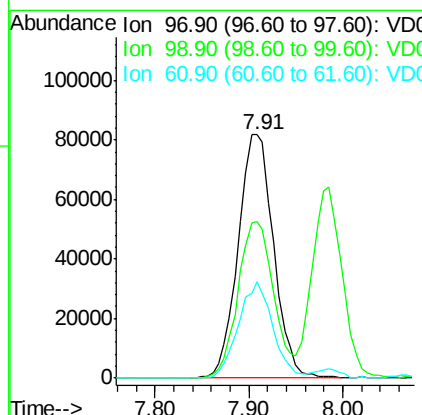
RT: 7.91 min Scan# 1018

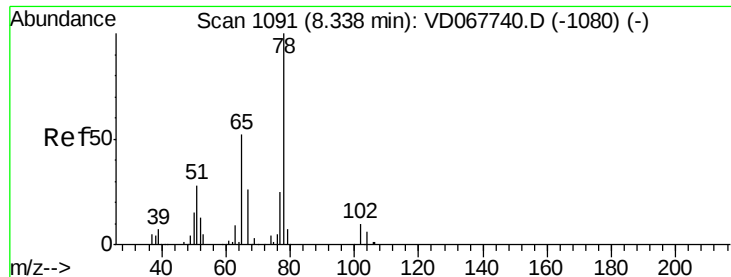
Delta R.T. 0.01 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Tgt Ion	97	Resp	213987
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.1	76.7
61	38.3	29.4	44.2





#33

1,2-Dichloroethane-d4

Concen: 56.541 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 133764

Ion Ratio Lower Upper

65 100

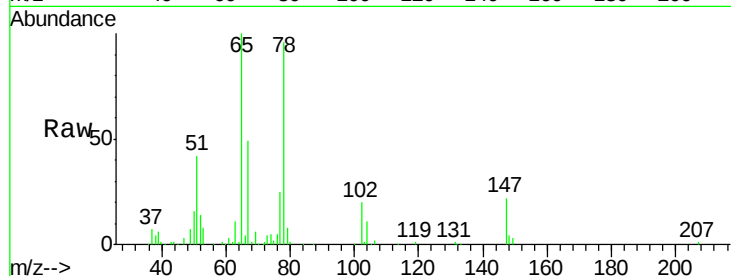
67 47.7 0.0 101.0

Manual Integrations

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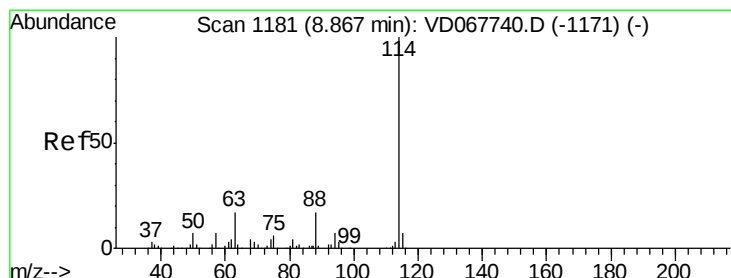
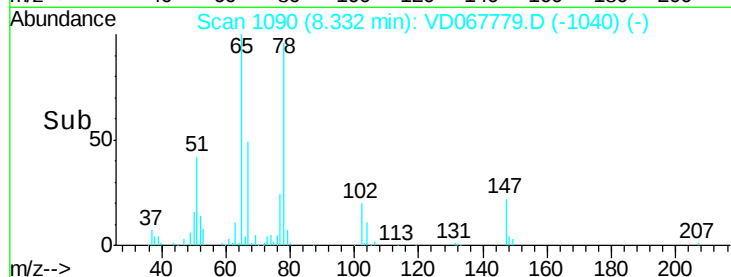
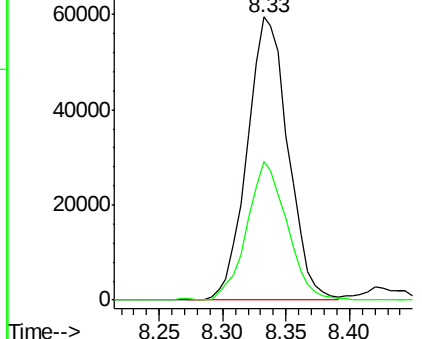
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

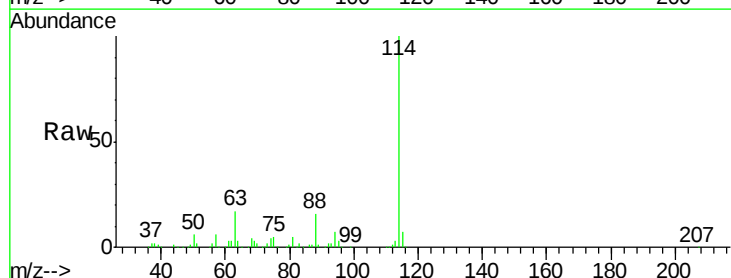
Tgt Ion: 114 Resp: 364181

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.8

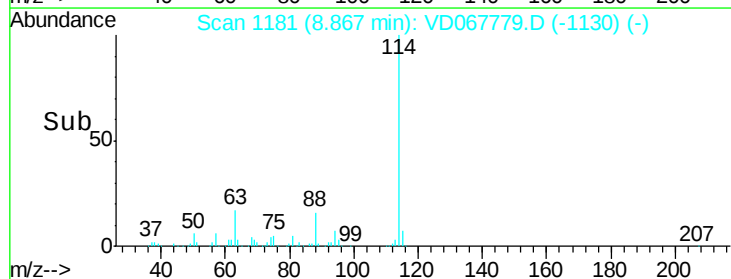
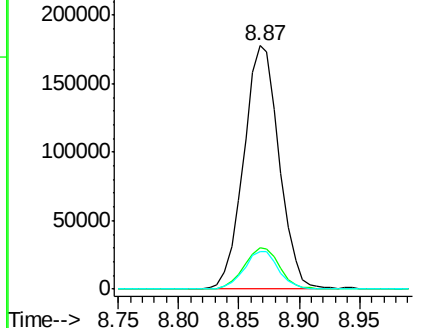
88 15.6 0.0 34.4

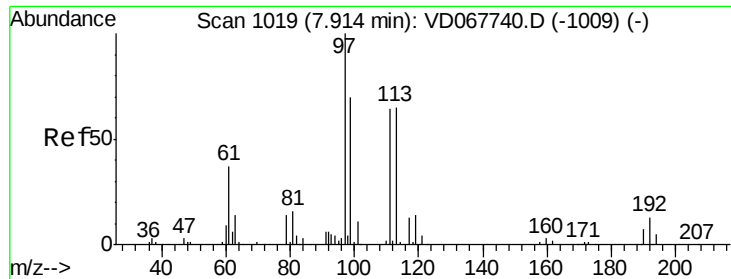


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





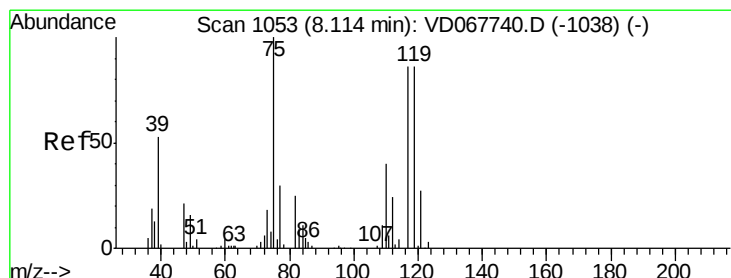
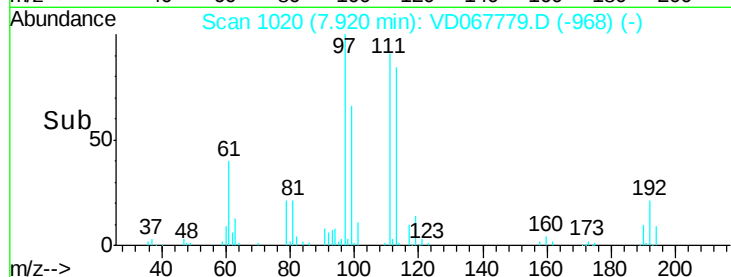
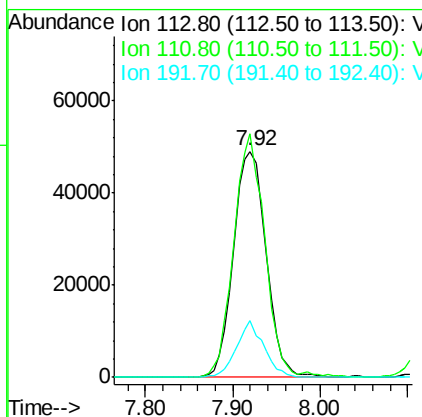
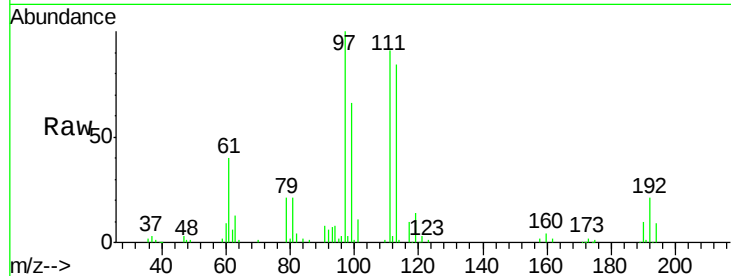
#35
Dibromofluoromethane
Concen: 53.374 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.4	122.0
192	21.1	17.0	25.4

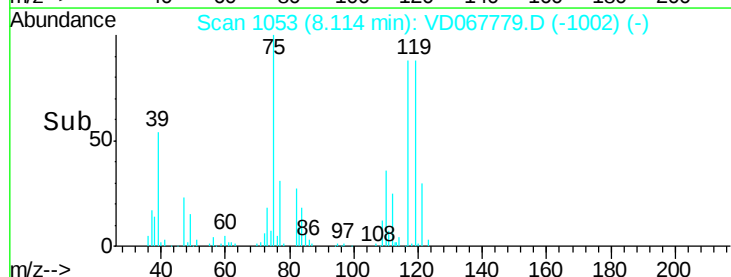
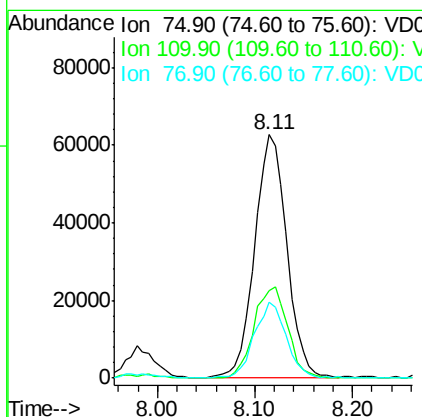
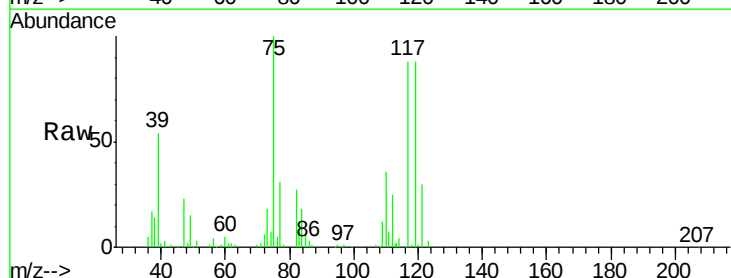
Manual Integrations
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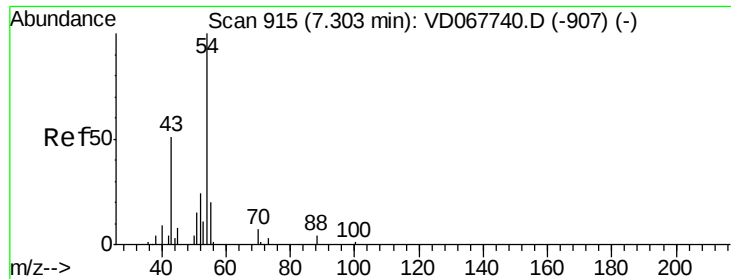
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#36
1,1-Dichloropropene
Concen: 46.578 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	20.1	60.2
77	30.8	24.8	37.2





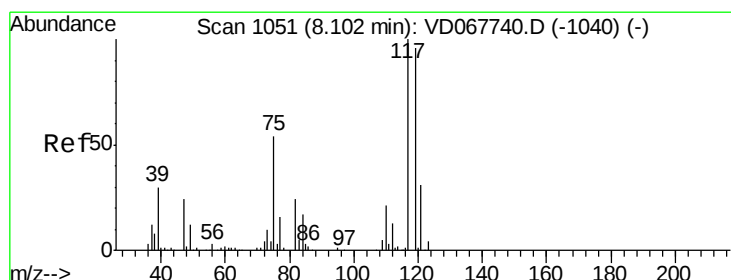
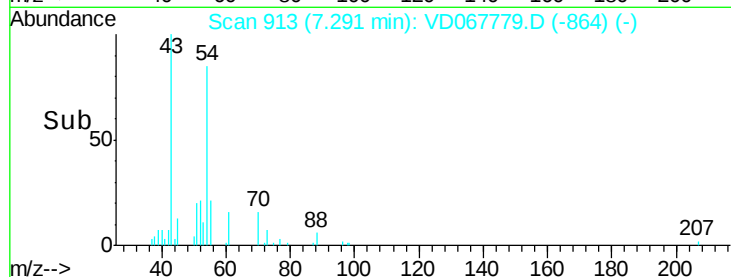
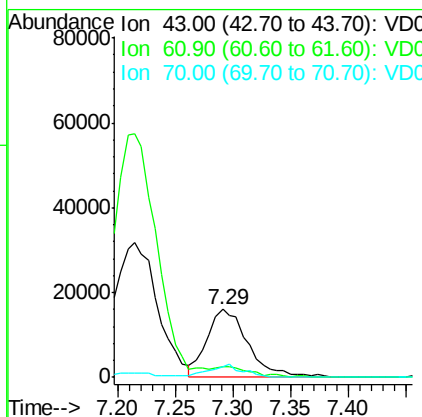
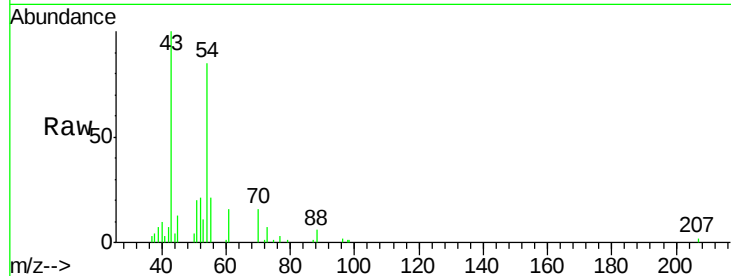
#37
Ethyl Acetate
Concen: 47.148 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	39619
Ion Ratio	Lower	Upper	
43	100		
61	15.0	12.9	19.3
70	15.5	12.2	18.2

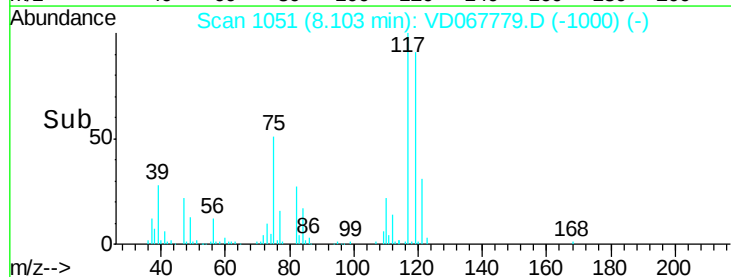
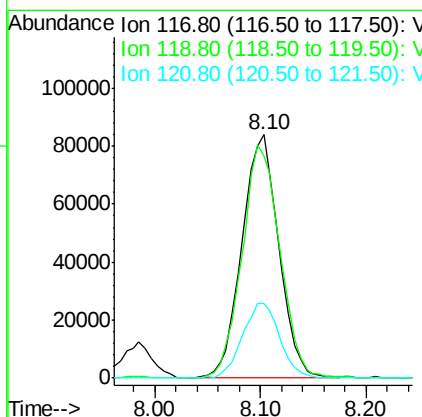
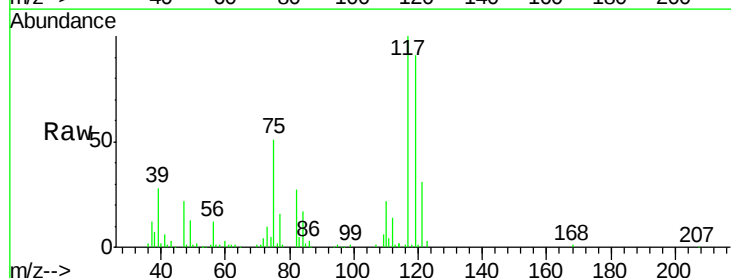
Manual Integrations
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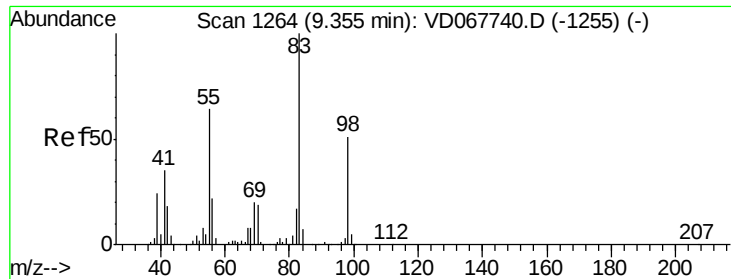
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#38
Carbon Tetrachloride
Concen: 44.664 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	117	Resp	202327
Ion Ratio	Lower	Upper	
117	100		
119	91.1	76.6	115.0
121	30.9	24.5	36.7





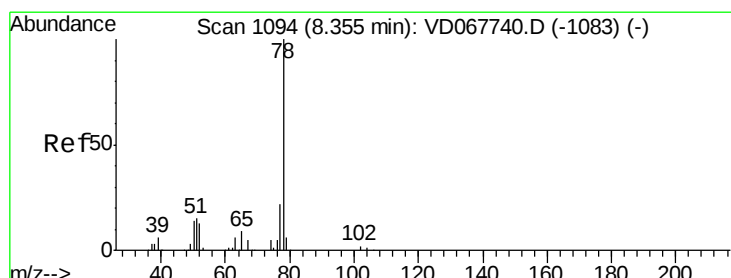
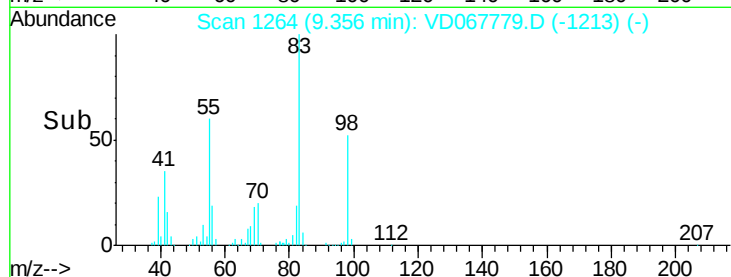
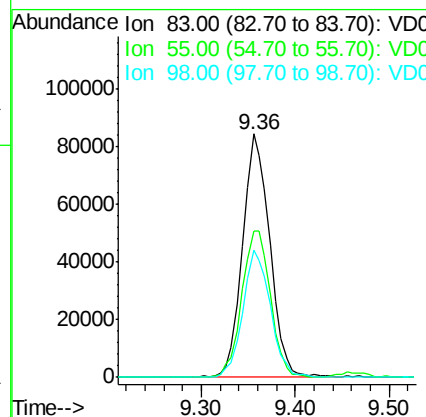
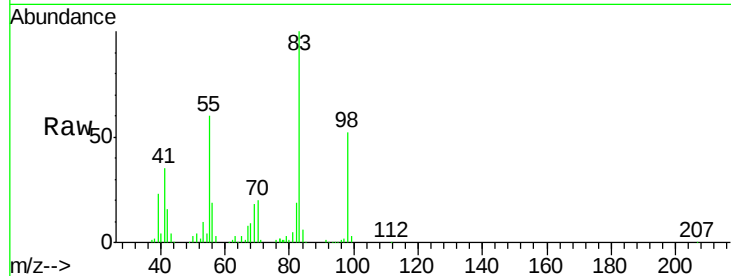
#39
Methvlcvclohexane
Concen: 45.724 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.3	51.0	76.4
98	52.2	40.4	60.6

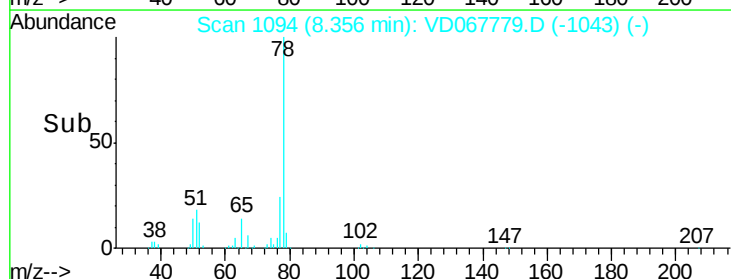
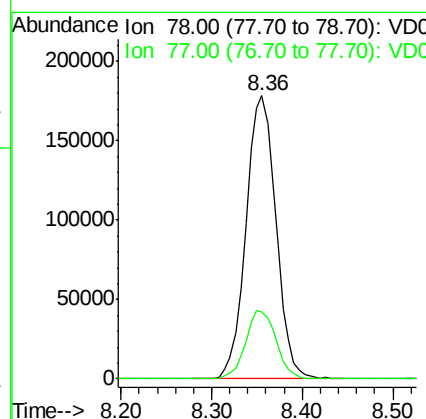
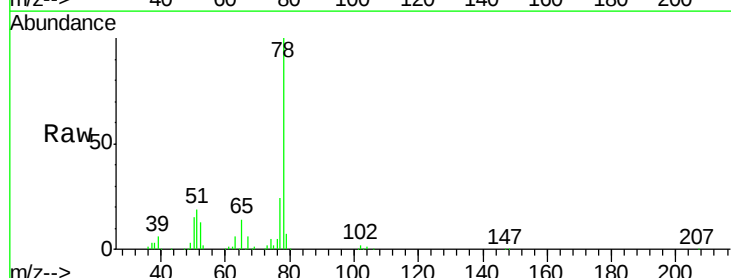
Manual Integrations
APPROVED

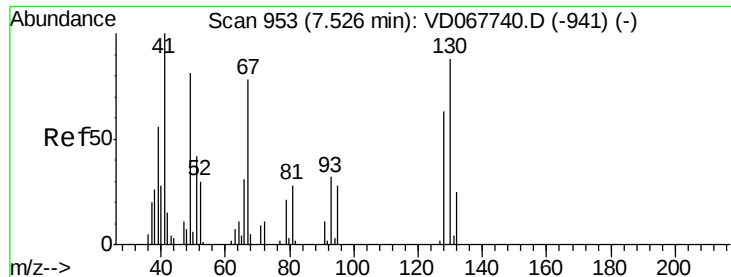
MMDadoda
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#40
Benzene
Concen: 47.678 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	17.8	26.6





#41

Methacrylonitrile

Concen: 49.735 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 21341

Ion Ratio Lower Upper

41 100

39 0.0 50.2 75.4#

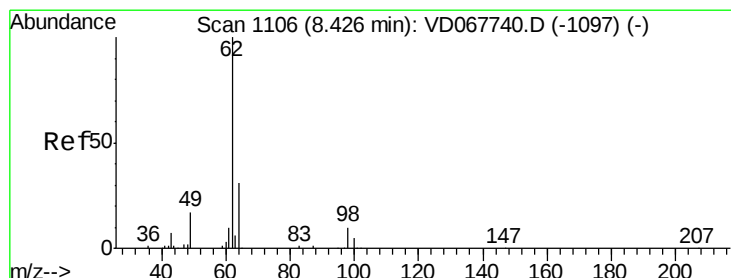
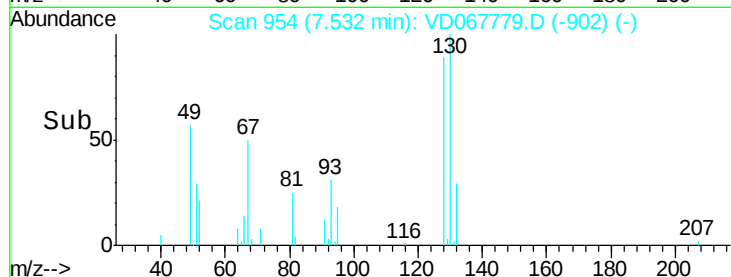
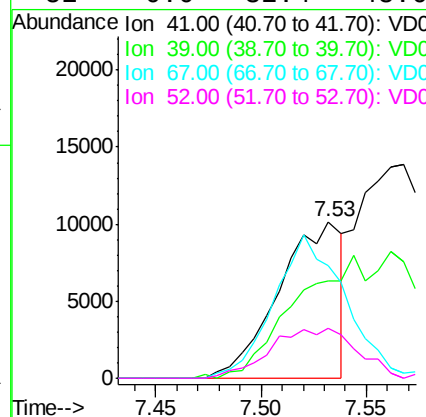
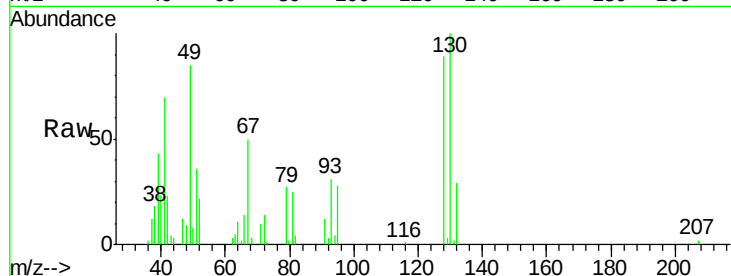
67 0.0 79.0 118.6#

52 0.0 32.4 48.6#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 48.321 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD067779.D

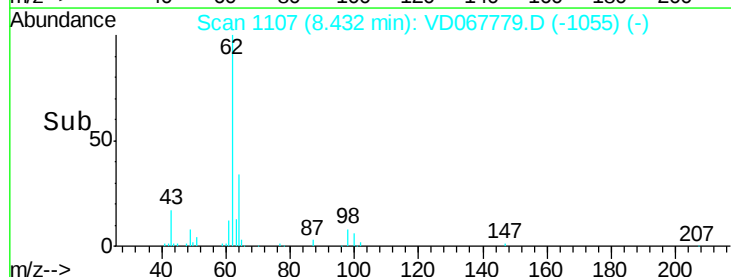
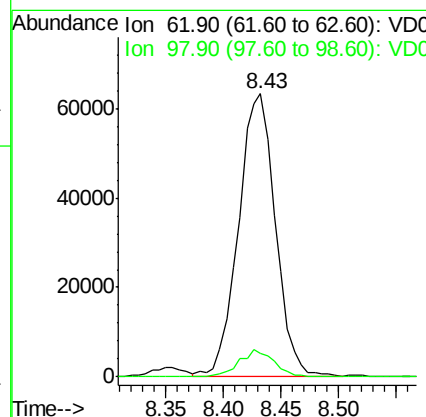
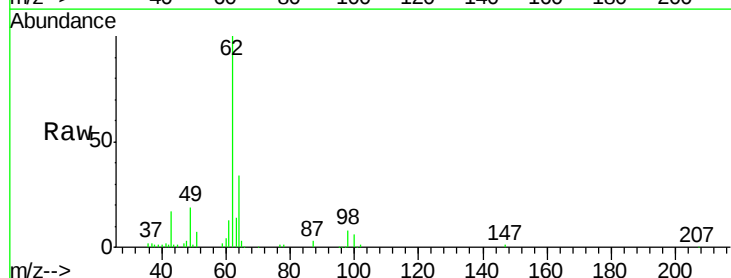
Acq: 24 Nov 2020 20:19

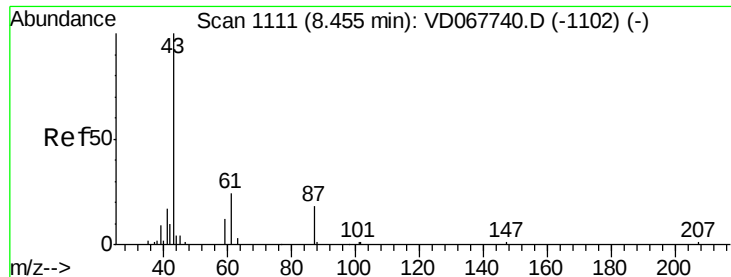
Tgt Ion: 62 Resp: 140722

Ion Ratio Lower Upper

62 100

98 9.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 47.628 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

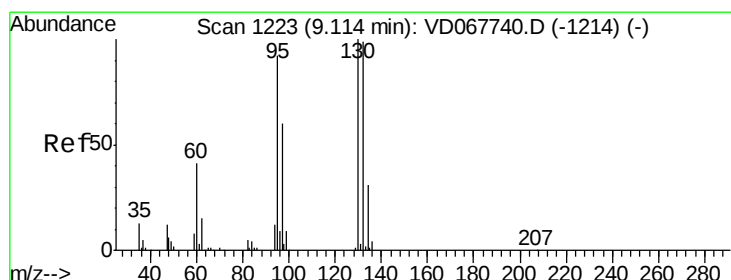
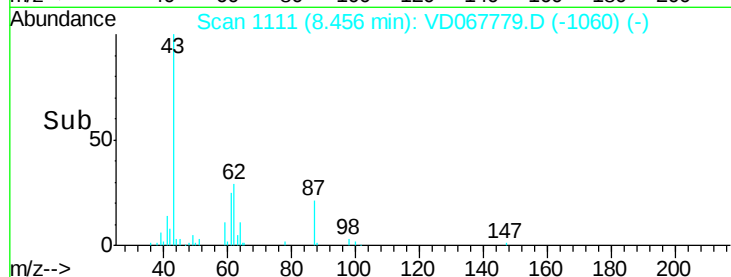
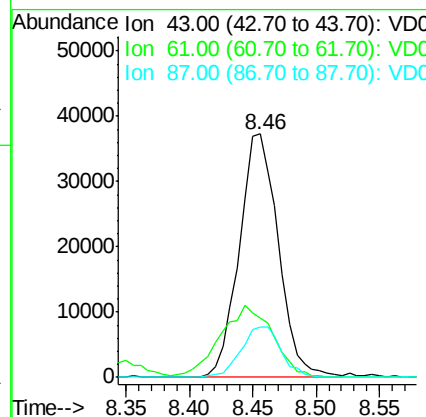
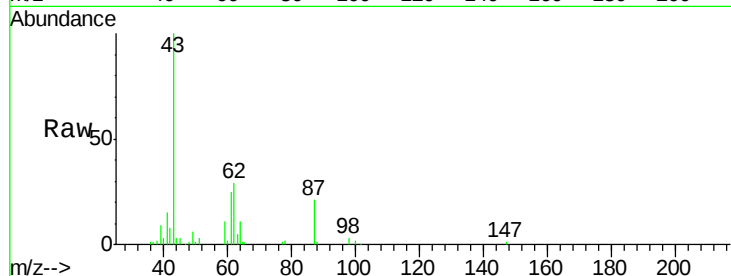
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	79925
Ion	Ratio	Lower	Upper
43	100		
61	40.1	30.2	45.4
87	21.3	14.2	21.4

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#44

Trichloroethene

Concen: 47.357 ug/l

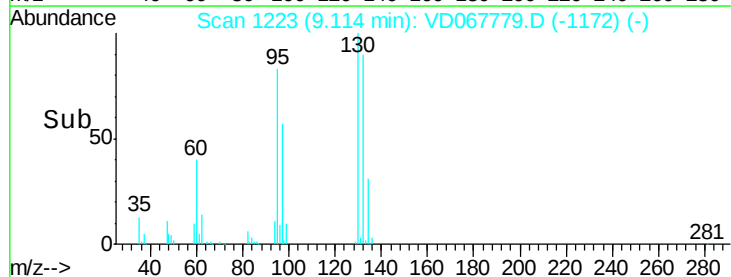
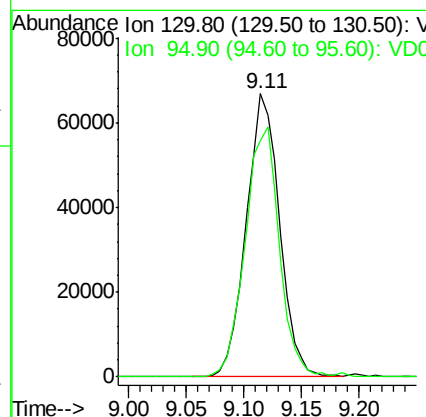
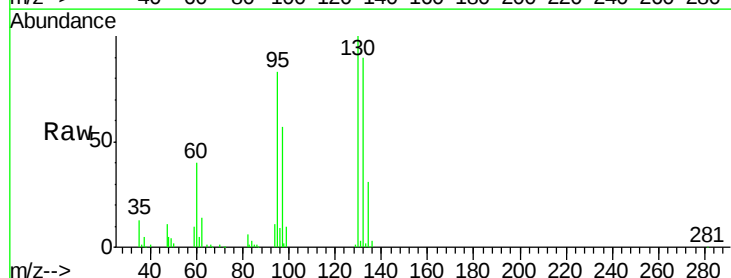
RT: 9.11 min Scan# 1223

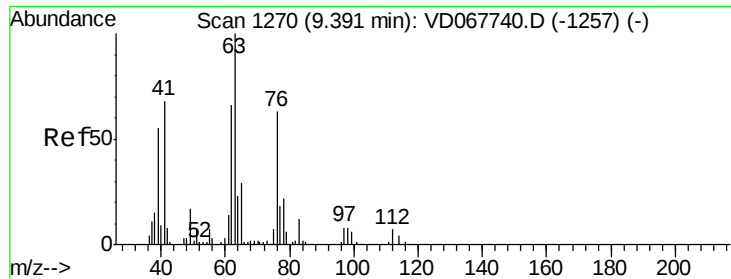
Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Tgt Ion:	130	Resp:	134713
Ion	Ratio	Lower	Upper
130	100		
95	83.4	0.0	184.2





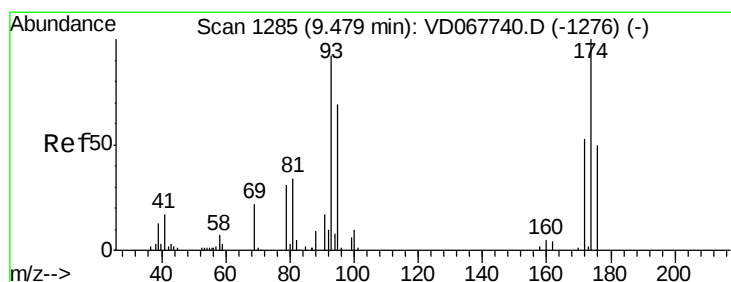
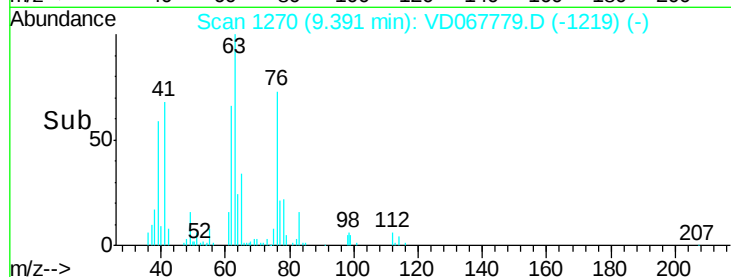
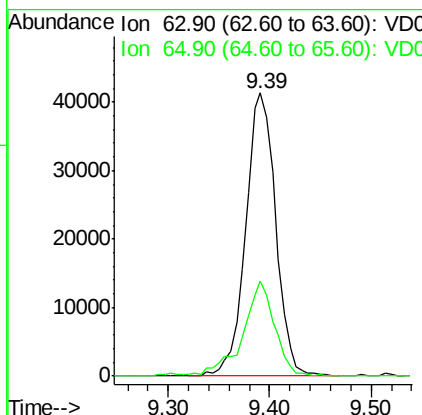
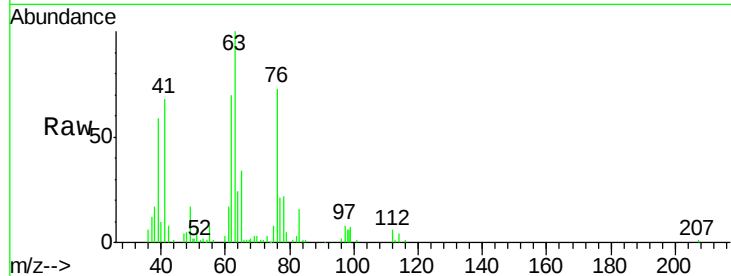
#45
 1,2-Dichloropropane
 Concen: 48.212 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 84908
 Ion Ratio Lower Upper
 63 100
 65 33.8 23.1 34.7

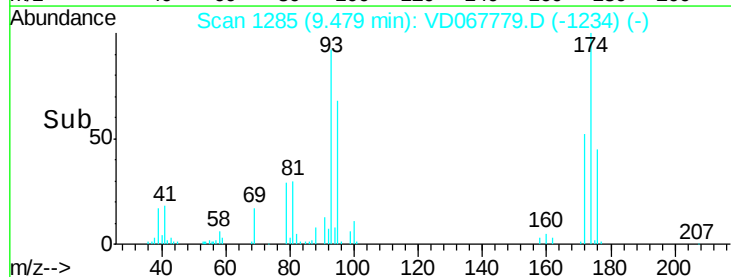
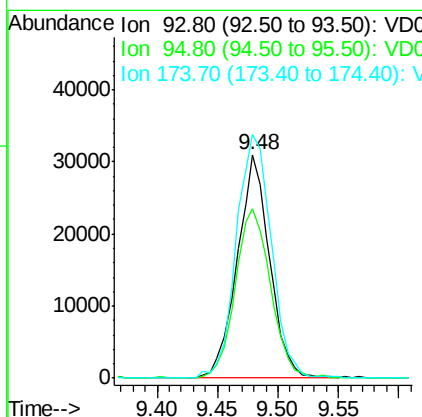
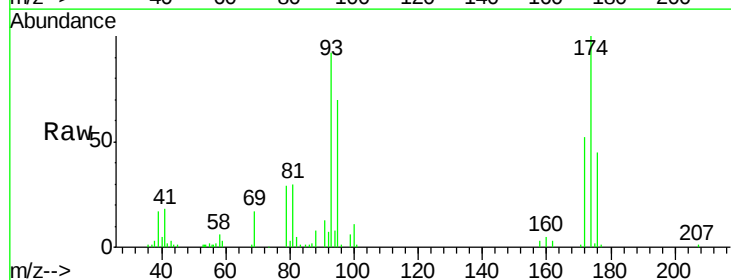
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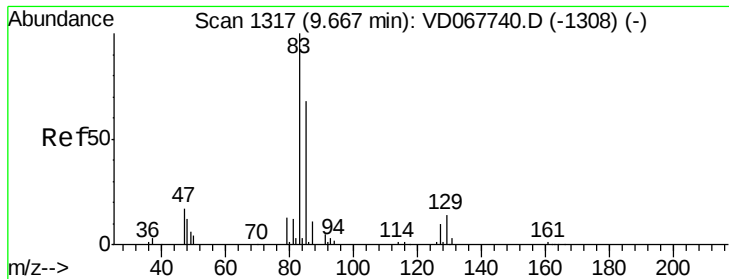
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#46
 Dibromomethane
 Concen: 48.539 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Tgt Ion: 93 Resp: 58198
 Ion Ratio Lower Upper
 93 100
 95 82.2 63.4 95.2
 174 117.7 89.6 134.4





#47

Bromodichloromethane

Concen: 48.863 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

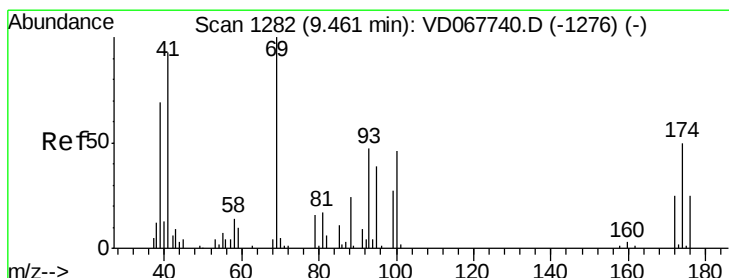
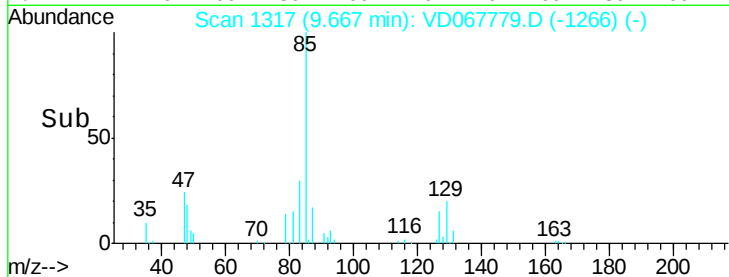
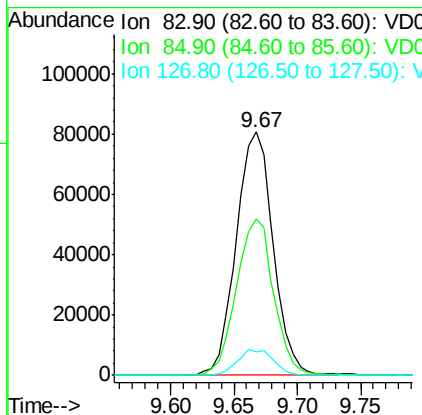
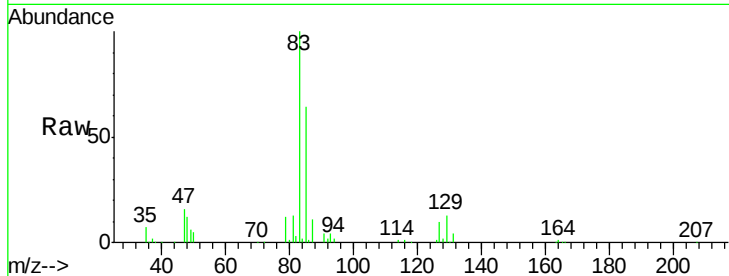
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	163145
Ion Ratio	Lower	Upper	
83	100		
85	64.3	54.2	81.2
127	9.5	7.6	11.4

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#48

Methyl methacrylate

Concen: 45.993 ug/l

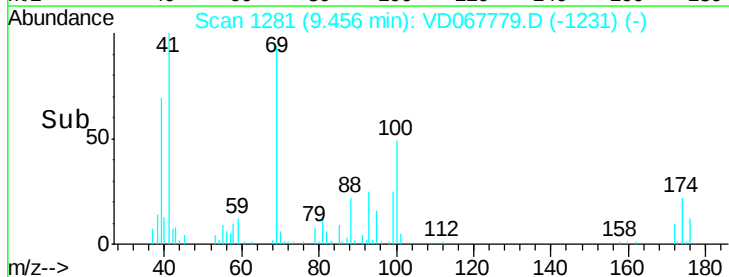
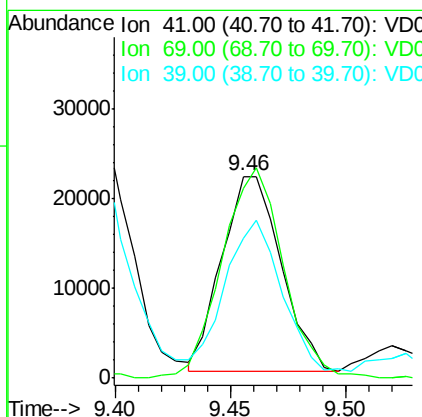
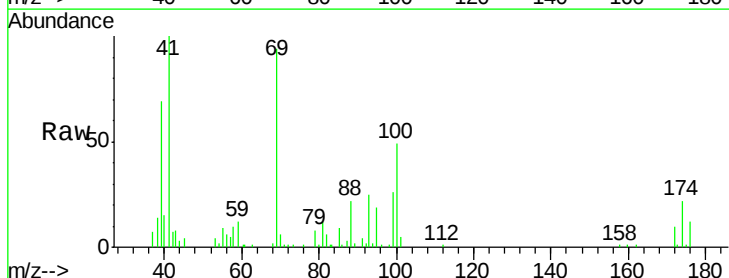
RT: 9.46 min Scan# 1281

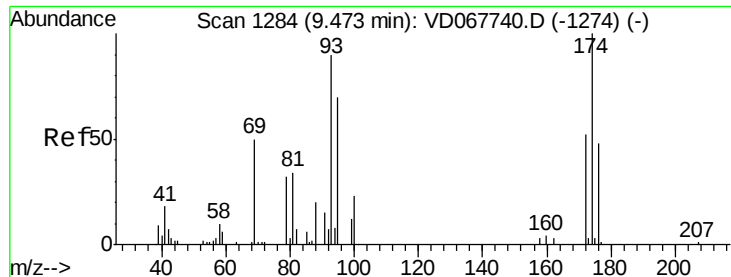
Delta R.T. -0.01 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Tgt Ion:	41	Resp:	38586
Ion Ratio	Lower	Upper	
41	100		
69	112.9	87.8	131.6
39	83.9	60.5	90.7





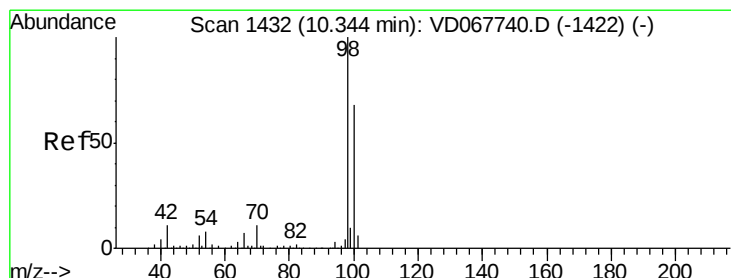
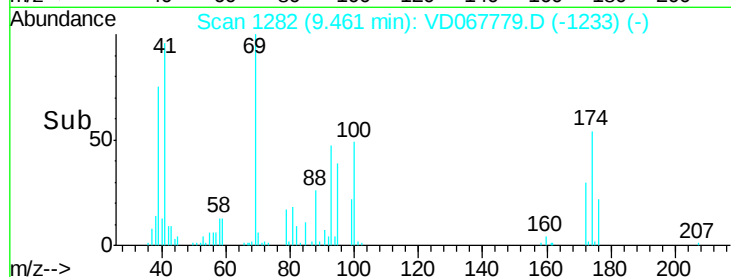
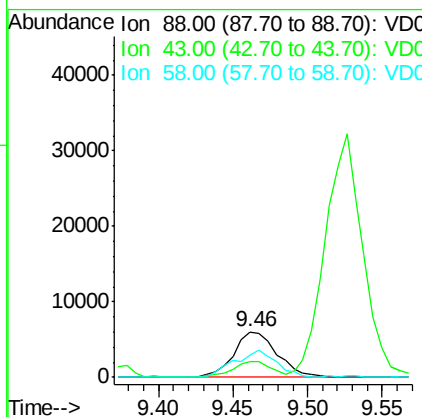
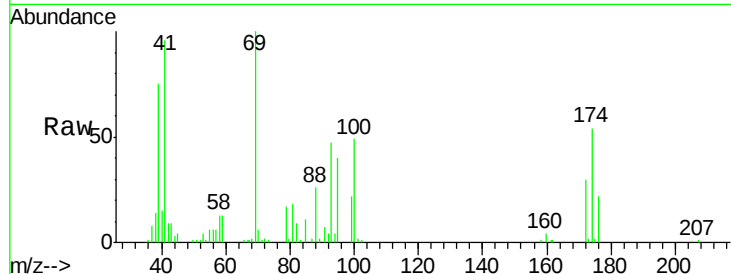
#49
1,4-Dioxane
Concen: 937.291 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	12179
Ion	Ratio	Lower	Upper
88	100		
43	31.3	25.2	37.8
58	58.2	48.2	72.2

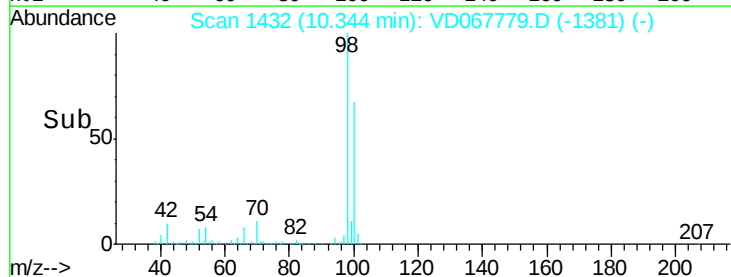
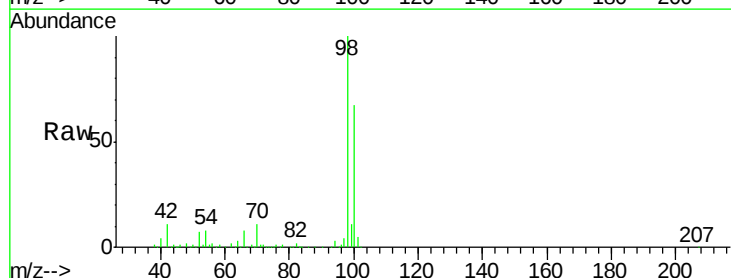
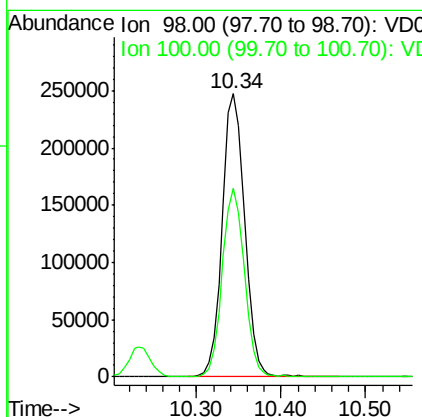
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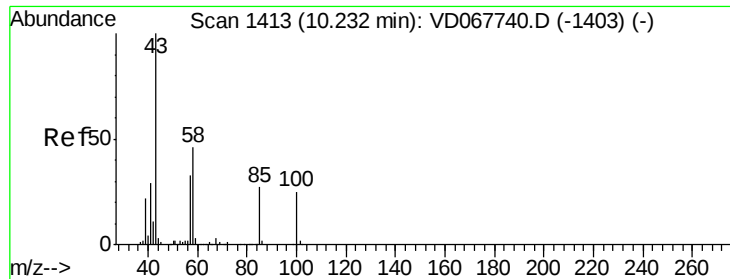
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#50
Toluene-d8
Concen: 53.797 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	98	Resp	455846
Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.1	79.7





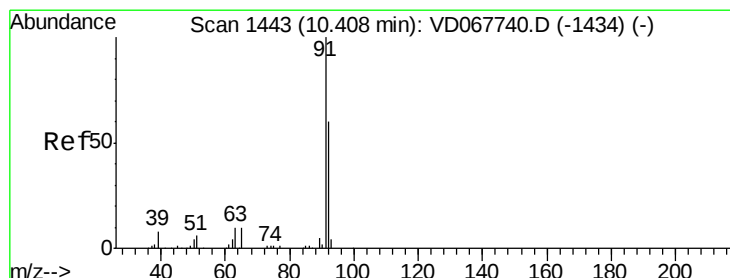
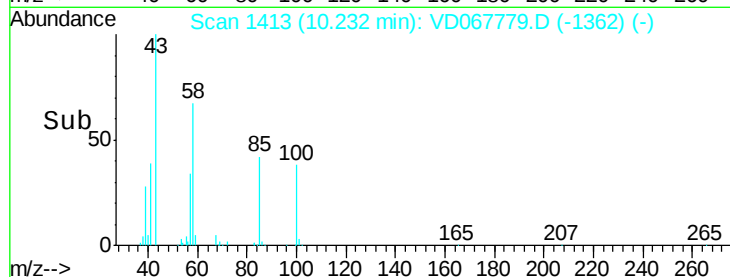
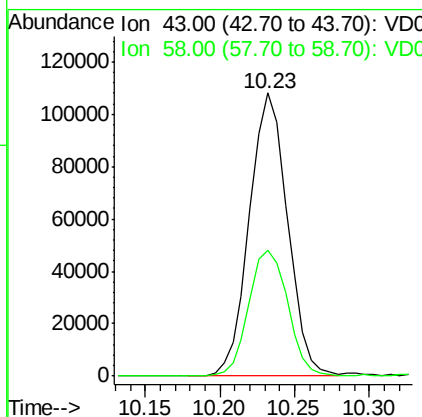
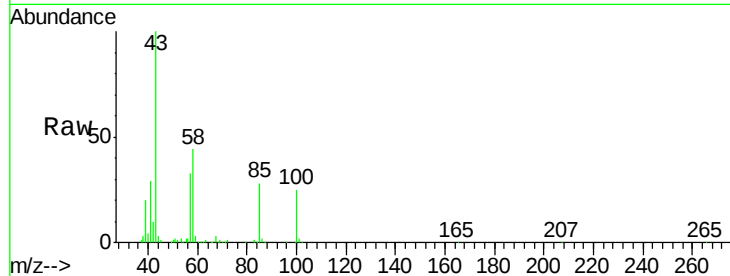
#51
 4-Methyl-2-Pentanone
 Concen: 242.941 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 191837
 Ion Ratio Lower Upper
 43 100
 58 45.6 34.7 52.1

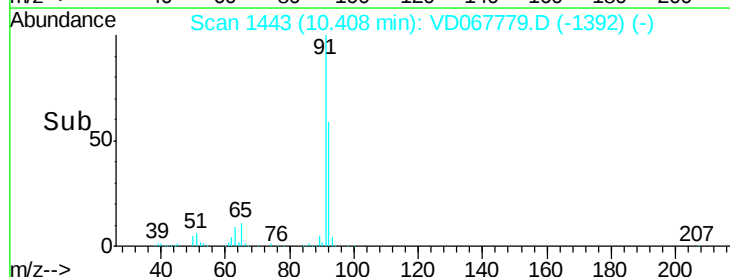
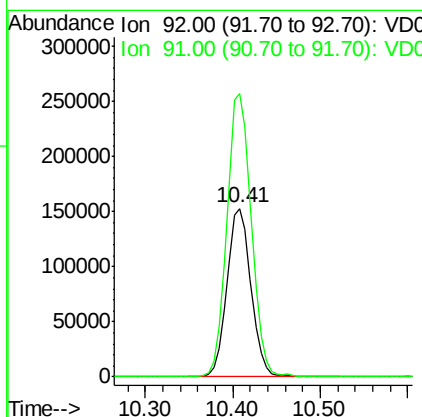
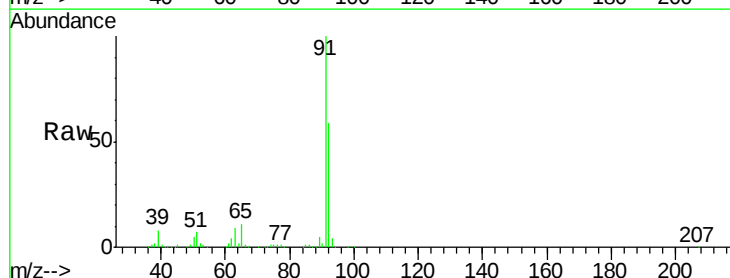
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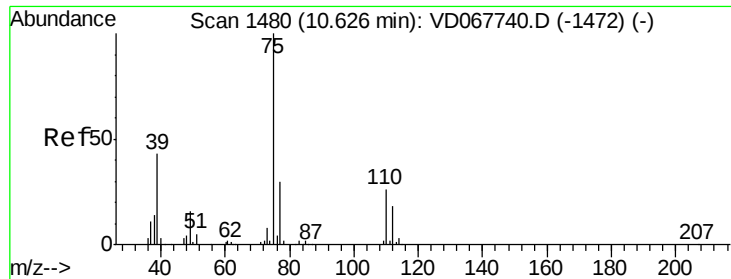
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#52
 Toluene
 Concen: 49.095 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Tgt Ion: 92 Resp: 285859
 Ion Ratio Lower Upper
 92 100
 91 171.5 135.4 203.0





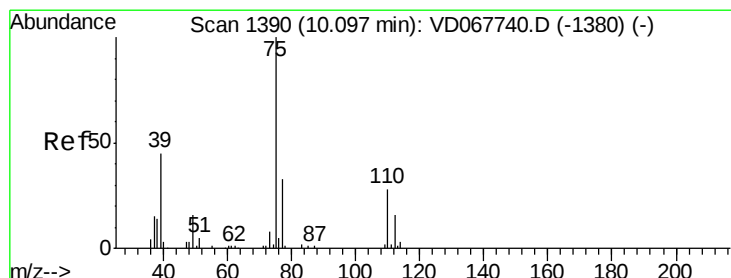
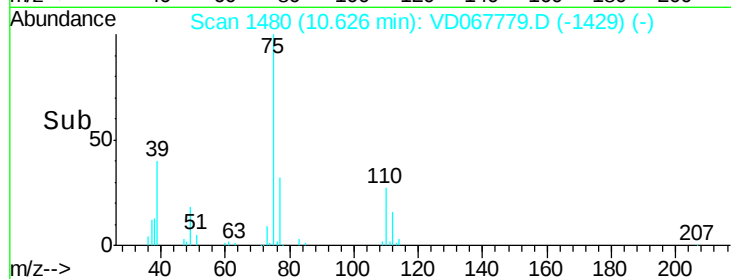
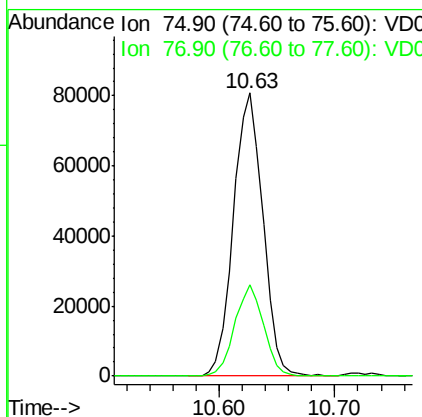
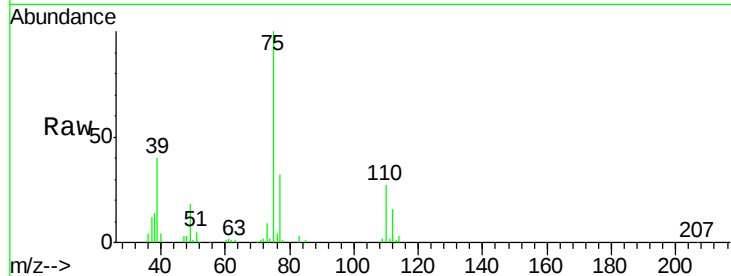
#53
t-1,3-Dichloropropene
Concen: 49.097 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 143216
Ion Ratio Lower Upper
75 100
77 32.3 24.2 36.4

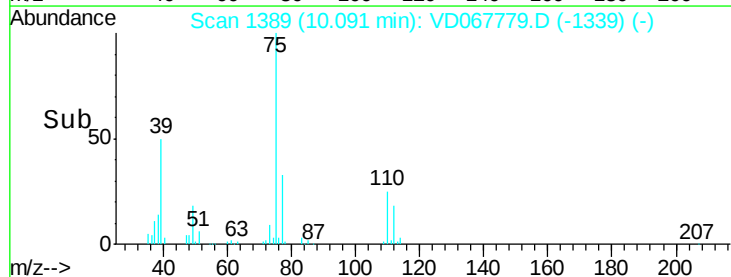
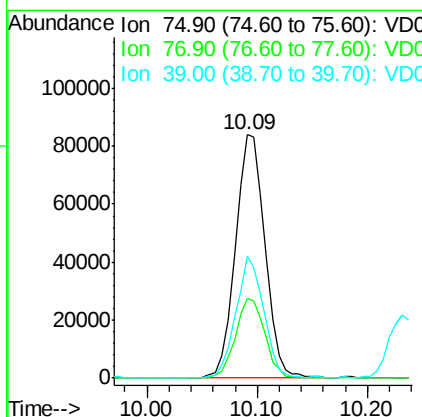
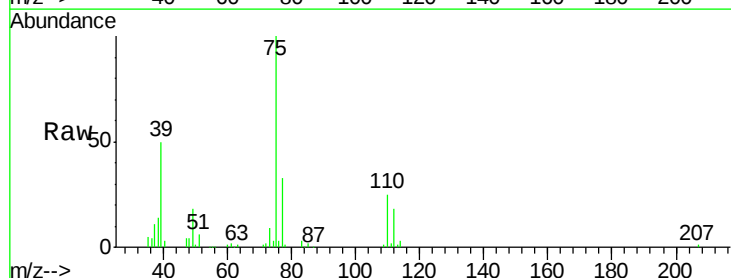
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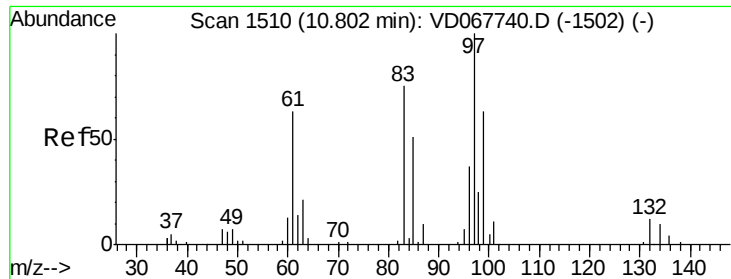
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#54
cis-1,3-Dichloropropene
Concen: 47.702 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion: 75 Resp: 157473
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1
39 49.7 35.8 53.6





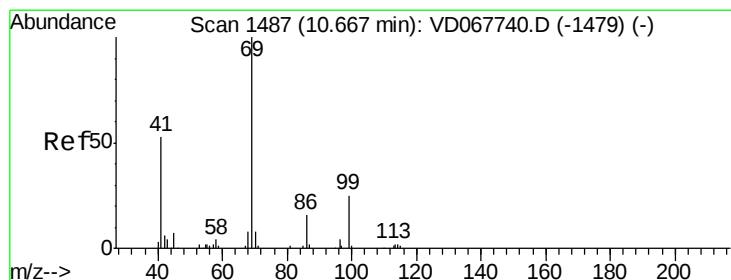
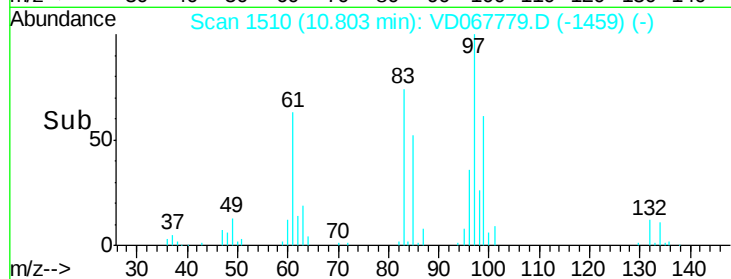
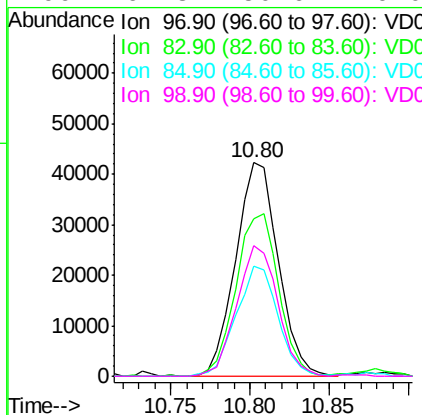
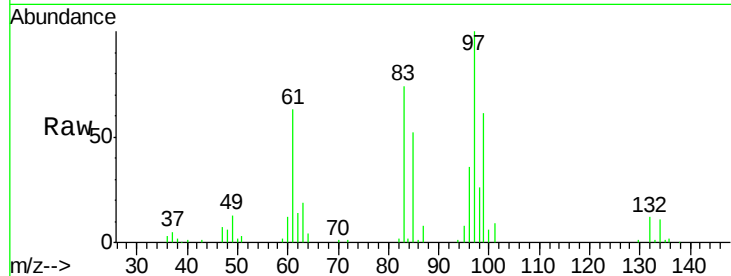
#55
 1,1,2-Trichloroethane
 Concen: 49.311 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	79330
Ion	Ratio	Lower	Upper
97	100		
83	73.8	60.2	90.4
85	51.7	40.5	60.7
99	61.3	50.6	76.0

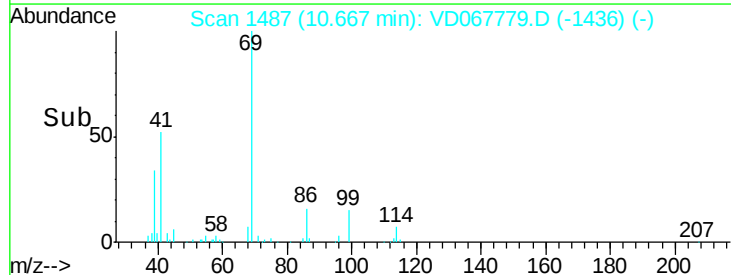
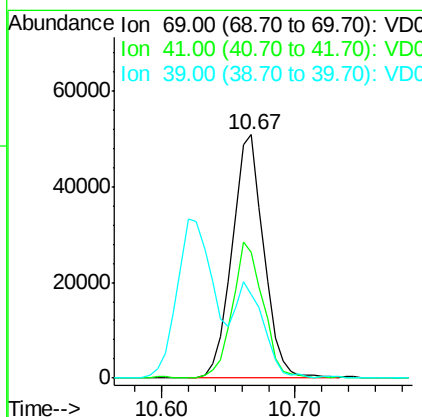
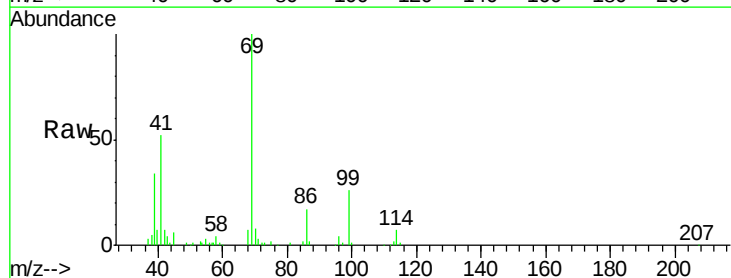
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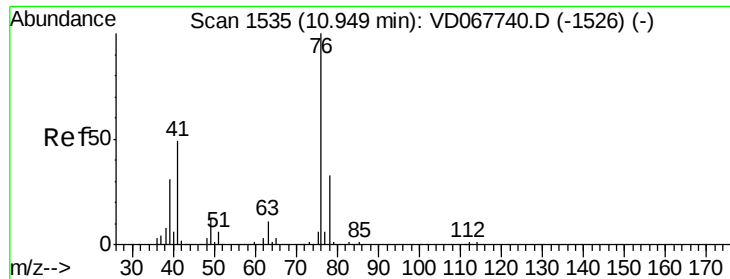
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#56
 Ethyl methacrylate
 Concen: 50.472 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Tgt Ion:	69	Resp:	84065
Ion	Ratio	Lower	Upper
69	100		
41	54.6	43.4	65.0
39	34.2	29.6	44.4





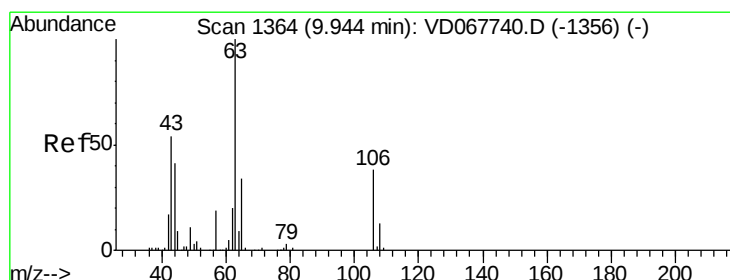
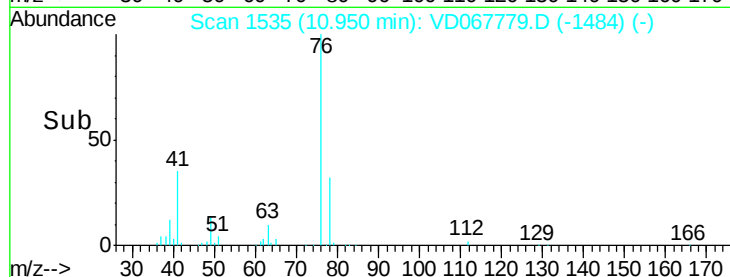
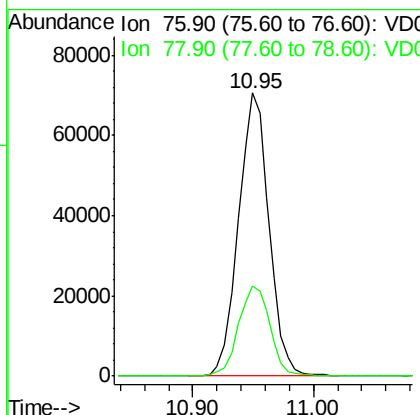
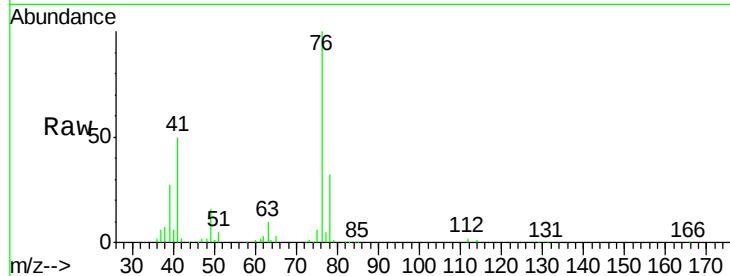
#57
 1,3-Dichloropropane
 Concen: 48.994 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.7	38.5

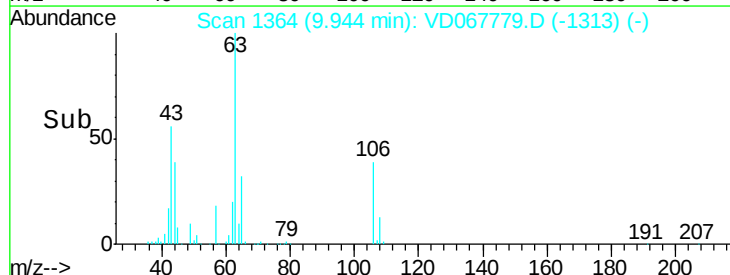
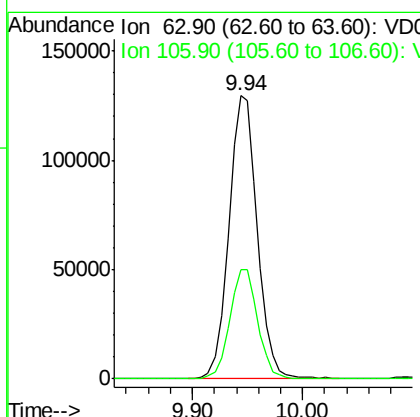
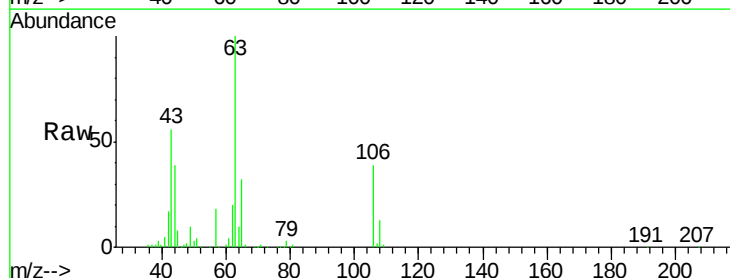
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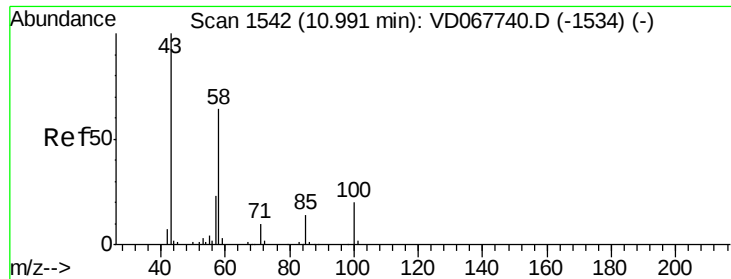
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#58
 2-Chloroethyl Vinyl ether
 Concen: 298.230 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	38.3	31.0	46.6





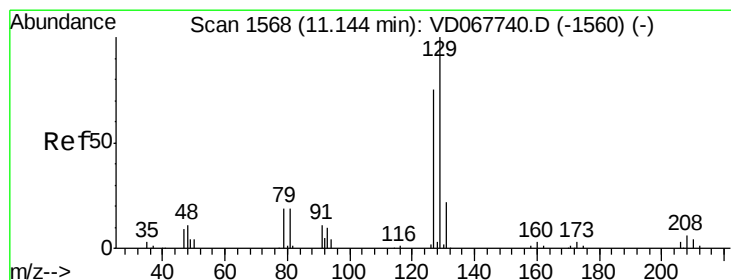
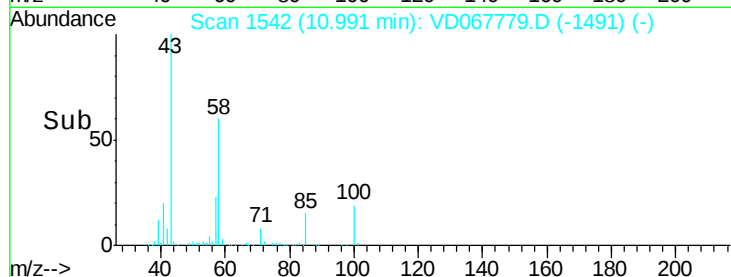
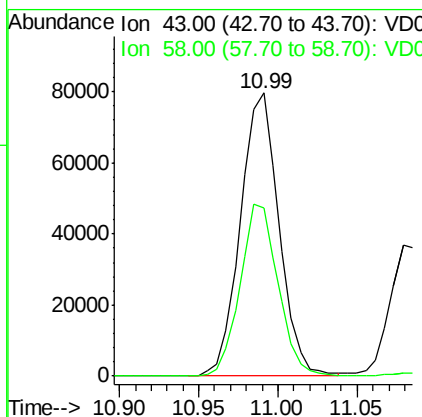
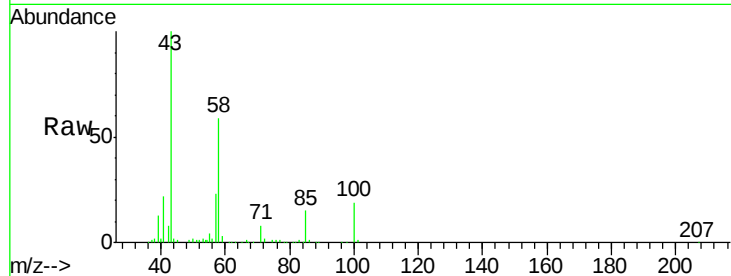
#59
2-Hexanone
Concen: 242.008 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 134923
Ion Ratio Lower Upper
43 100
58 59.7 30.5 91.5

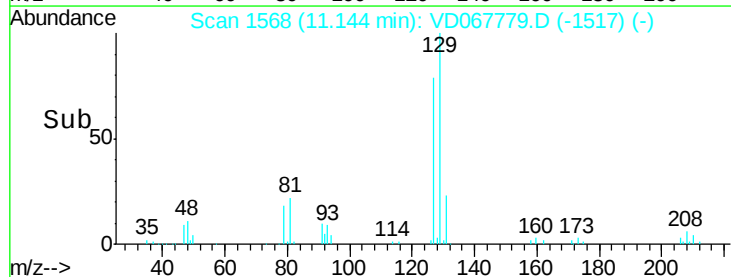
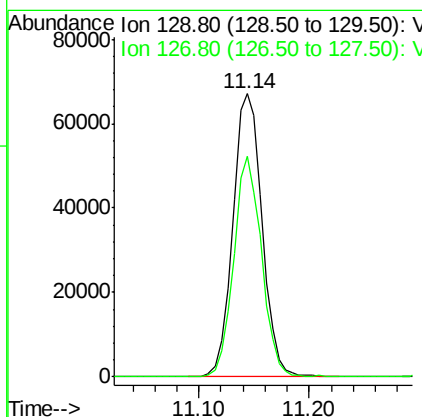
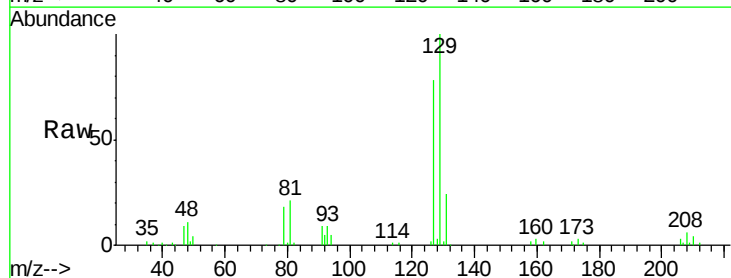
Manual Integrations
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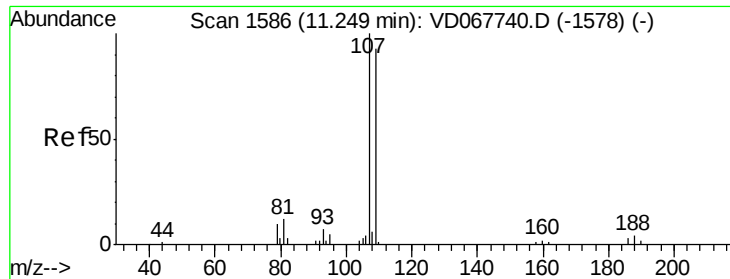
MMDadoda
11/25/2020 2:01:59 PM



#60
Dibromochloromethane
Concen: 50.728 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion: 129 Resp: 124361
Ion Ratio Lower Upper
129 100
127 74.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 48.740 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 77260

Ion Ratio Lower Upper

107 100

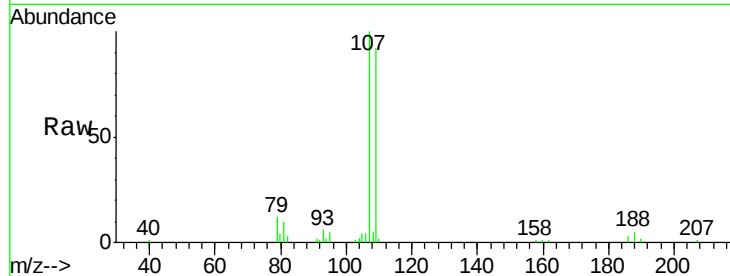
109 94.3 75.1 112.7

Manual Integrations

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11/25/2020 2:01:59 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

40000

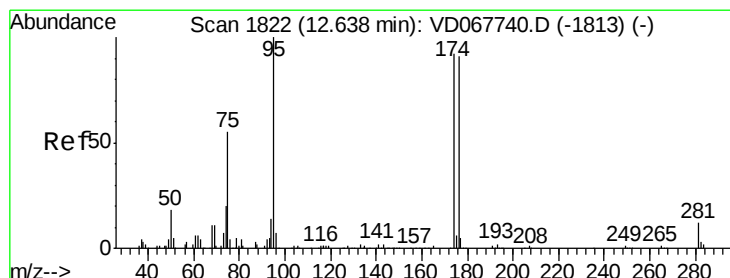
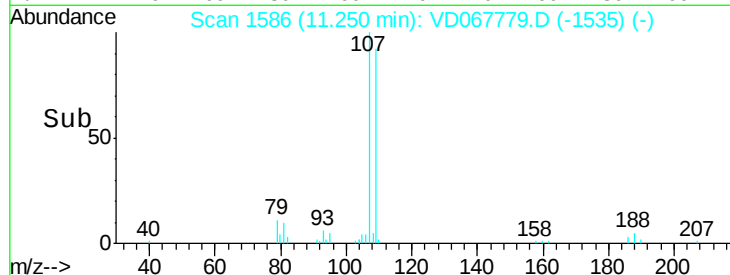
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.785 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

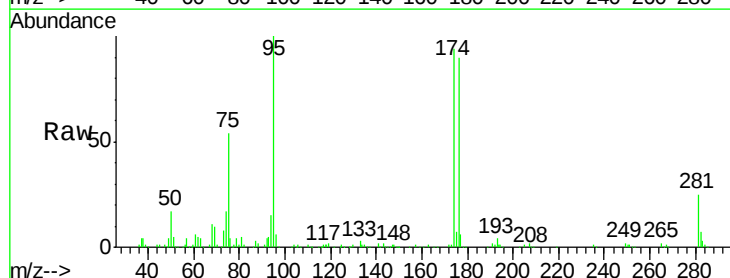
Tgt Ion: 95 Resp: 152880

Ion Ratio Lower Upper

95 100

174 93.5 0.0 182.4

176 89.3 0.0 178.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

120000

100000

80000

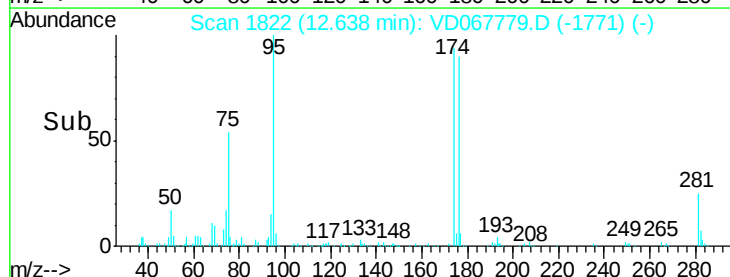
60000

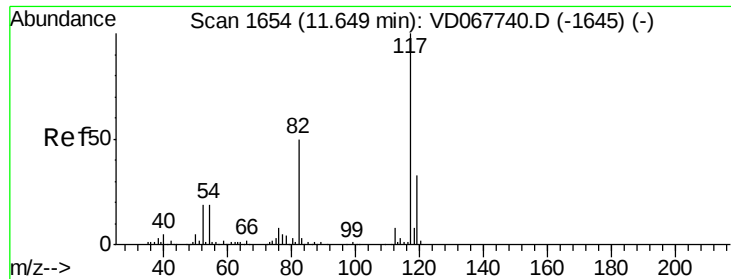
40000

20000

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Time-->





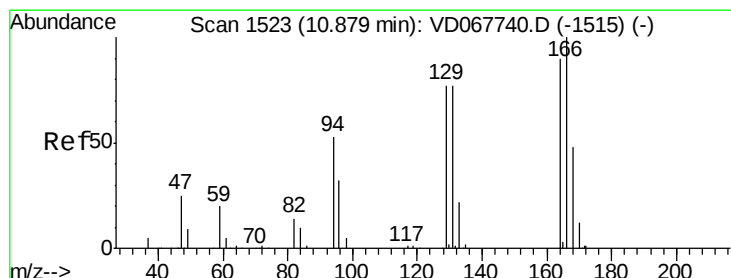
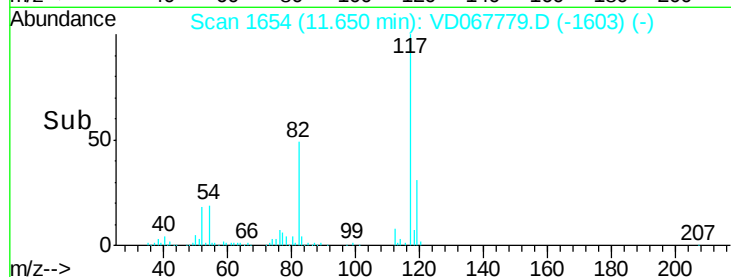
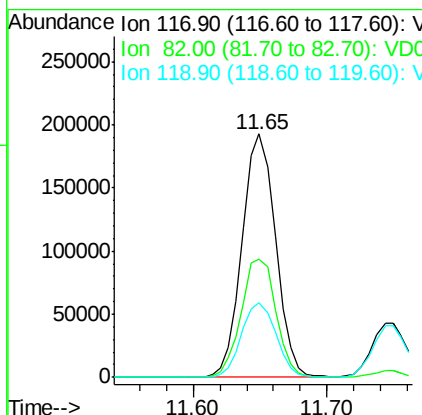
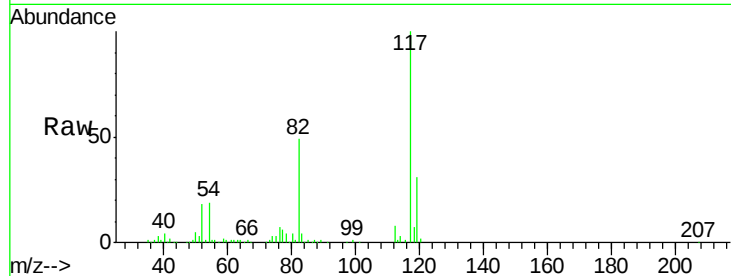
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.6	40.2	60.4
119	30.5	26.5	39.7

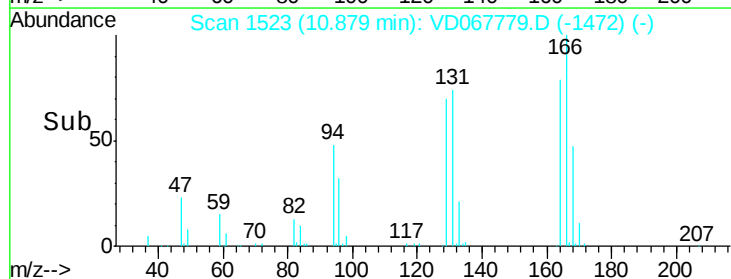
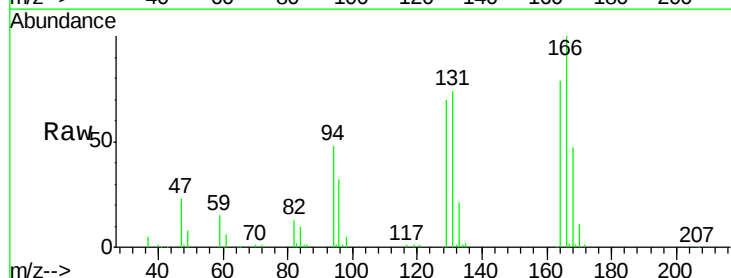
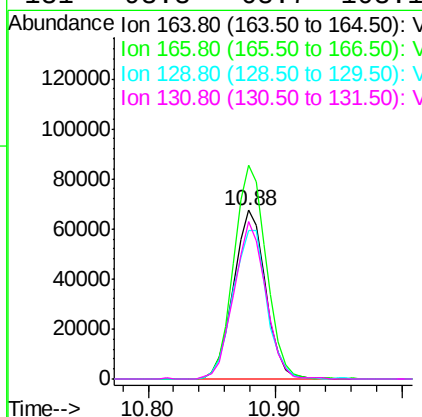
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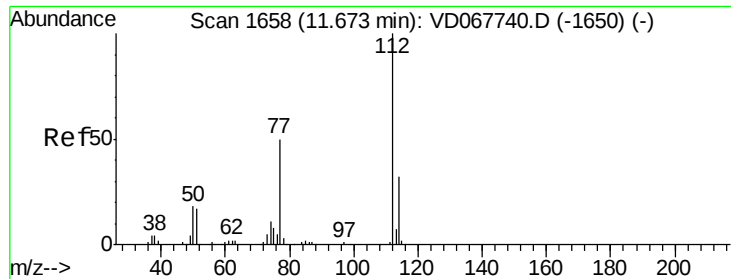
MMDadoda
11/25/2020 2:01:59 PM



#64
Tetrachloroethene
Concen: 45.136 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	89.2	133.8
129	88.4	68.4	102.6
131	93.3	68.7	103.1





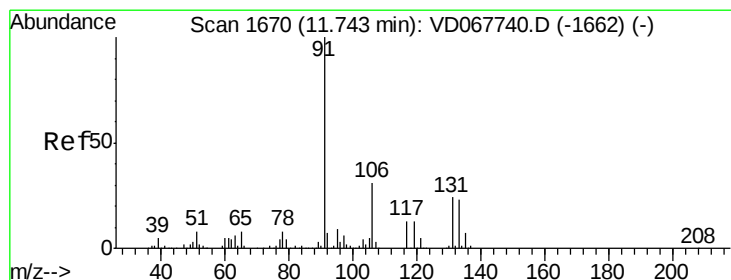
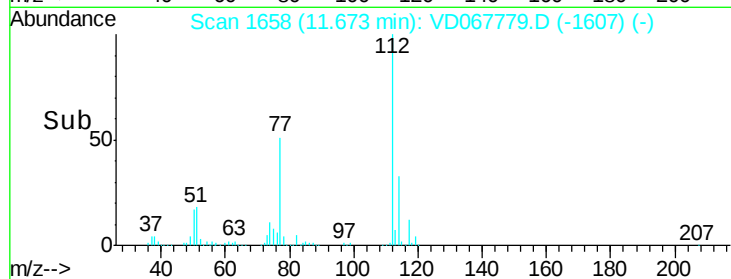
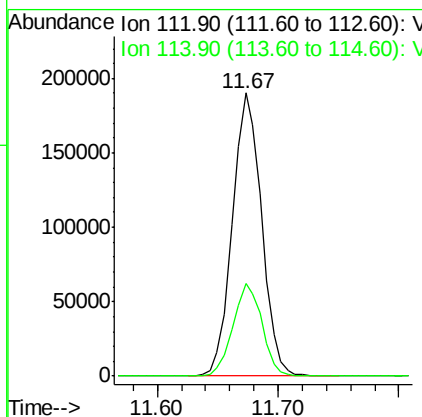
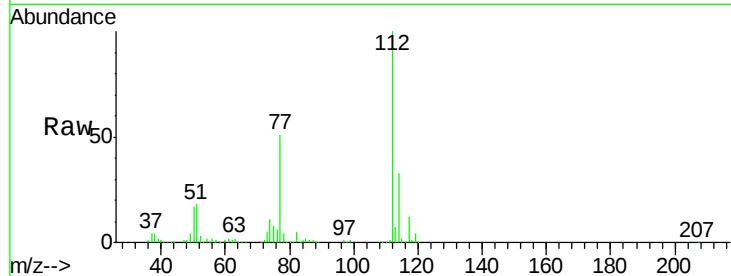
#65
Chlorobenzene
Concen: 48.577 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.8	38.8

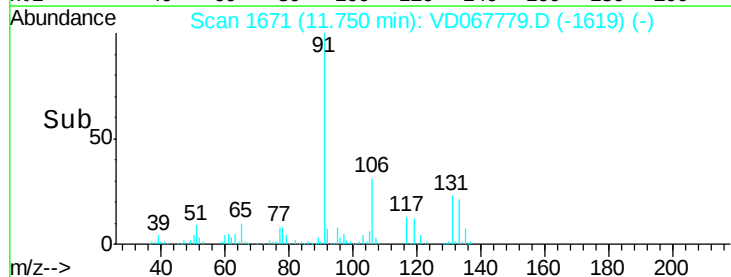
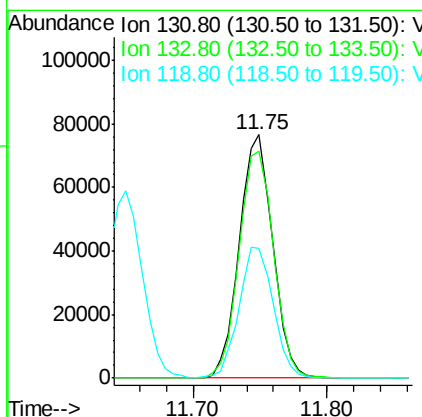
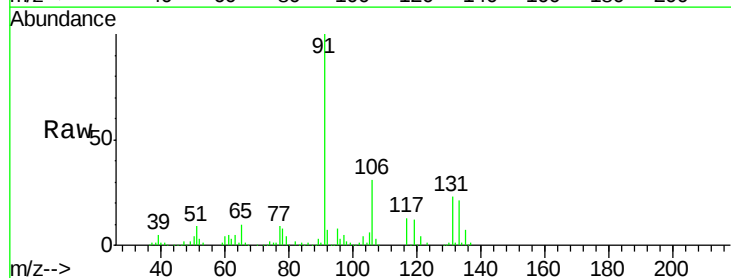
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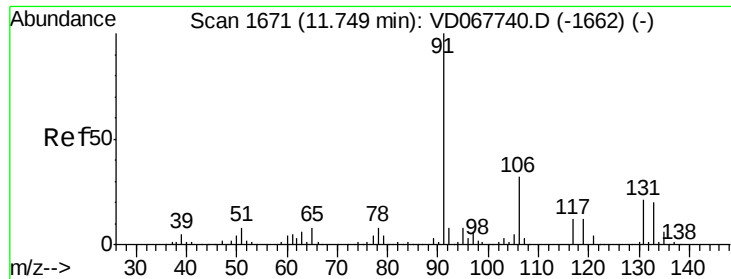
MMDadoda
11/25/2020 2:01:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.786 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	49.0	147.0
119	55.3	28.8	86.5





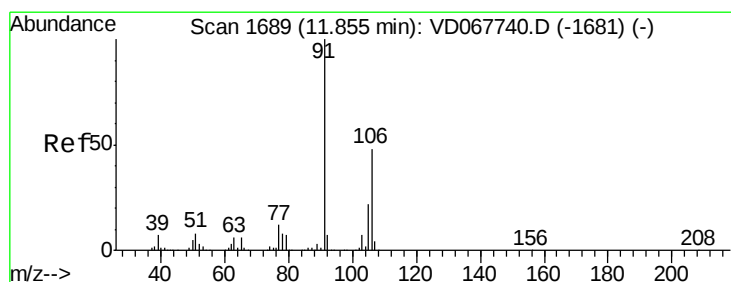
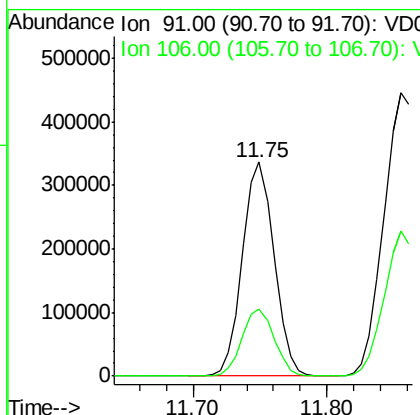
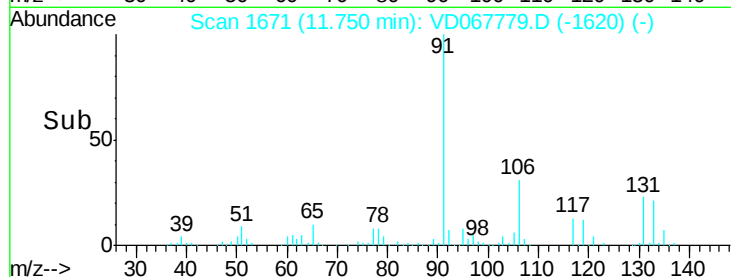
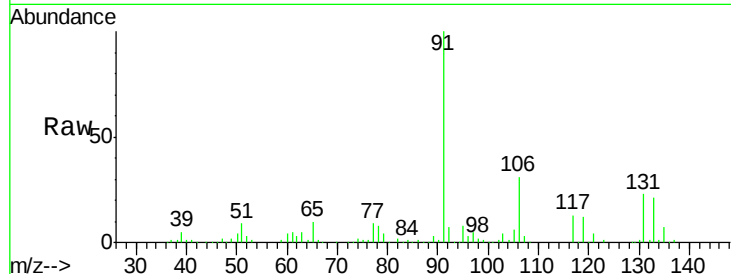
#67
Ethyl Benzene
Concen: 48.639 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 553641
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5

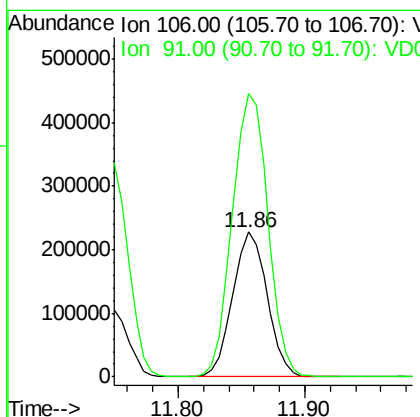
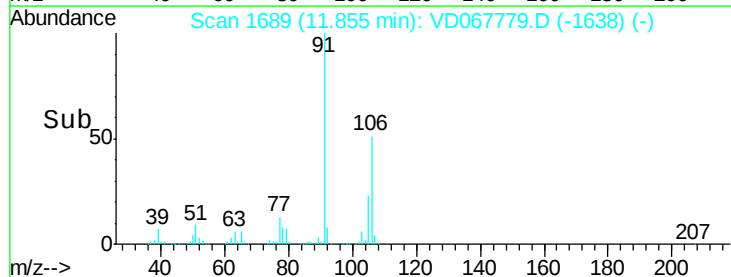
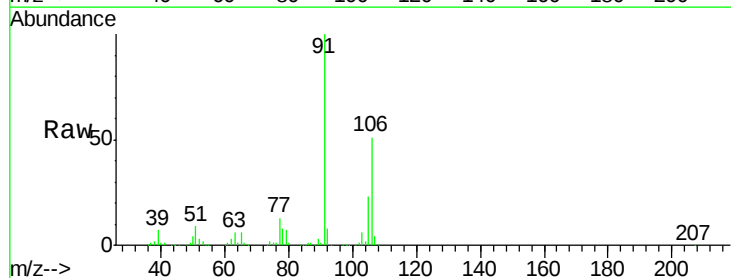
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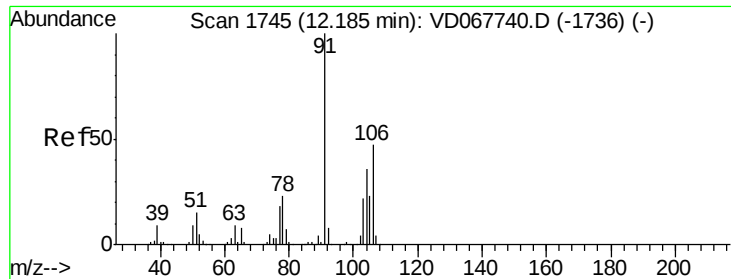
MMDadoda
11/25/2020 2:01:59 PM



#68
m/p-Xylenes
Concen: 97.097 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion: 106 Resp: 430094
Ion Ratio Lower Upper
106 100
91 201.7 163.0 244.6





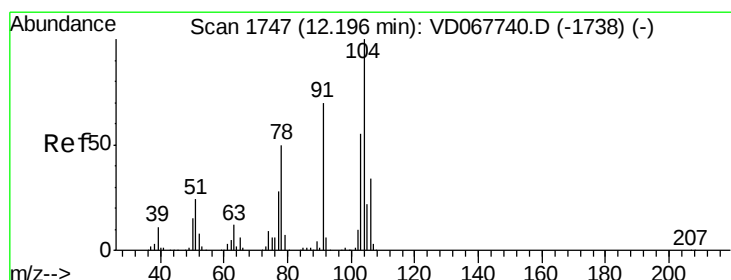
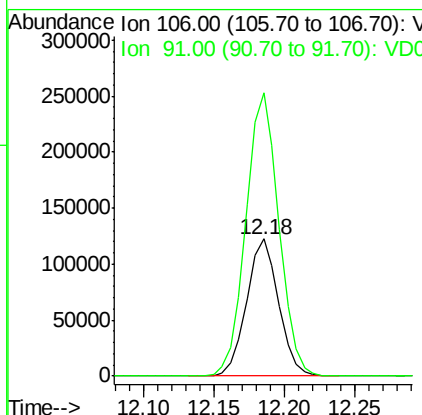
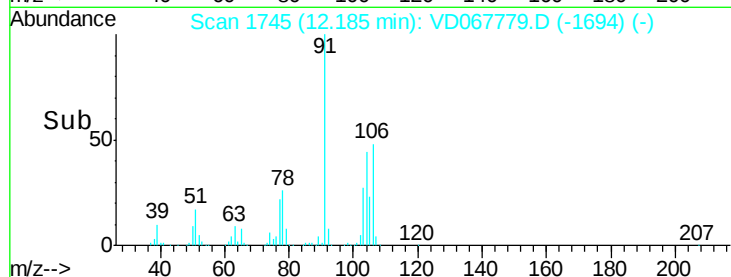
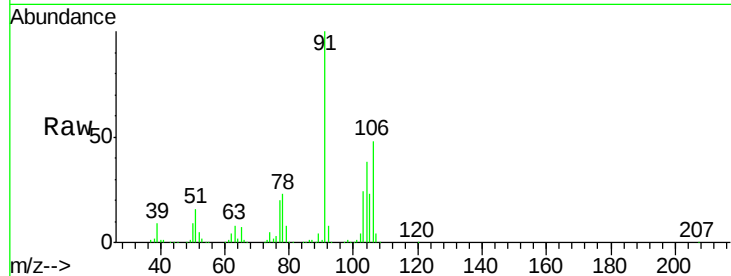
#69
o-Xylene
Concen: 48.310 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.3	106.2	318.6

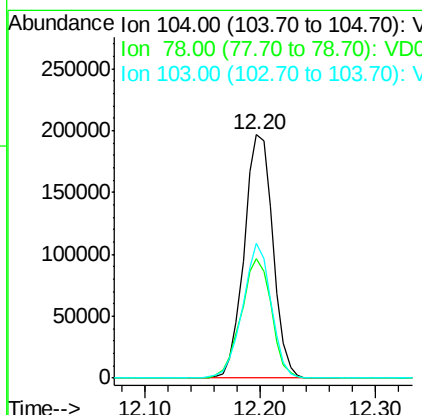
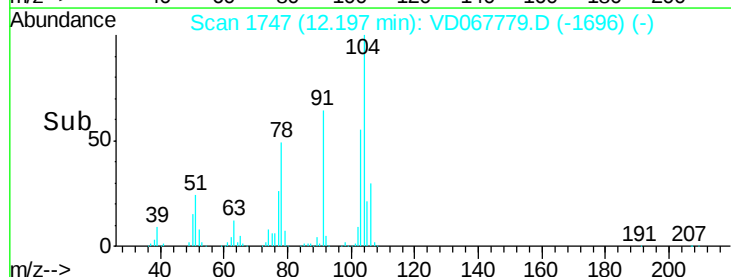
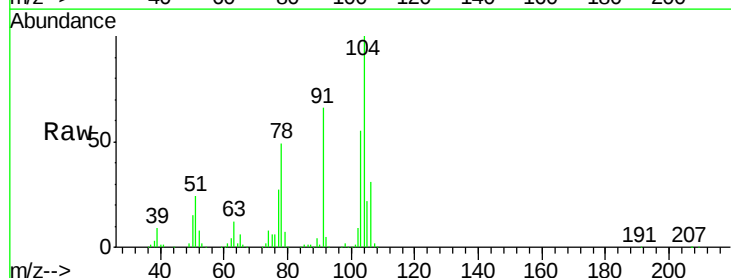
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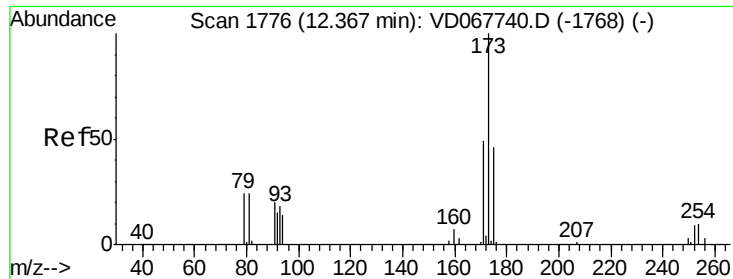
MMDadoda
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#70
Styrene
Concen: 49.582 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.9	62.9
103	54.8	44.1	66.1





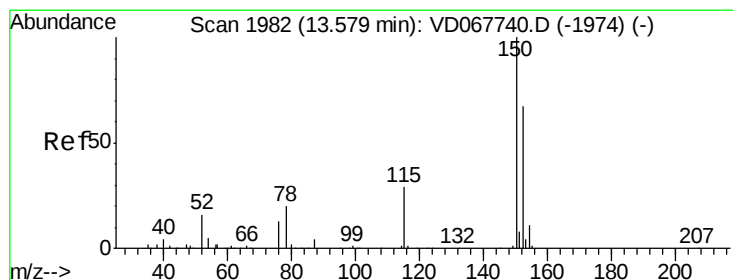
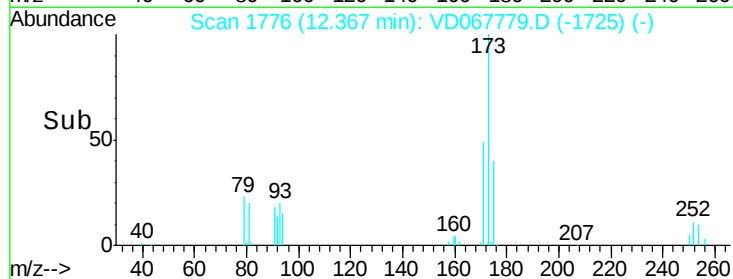
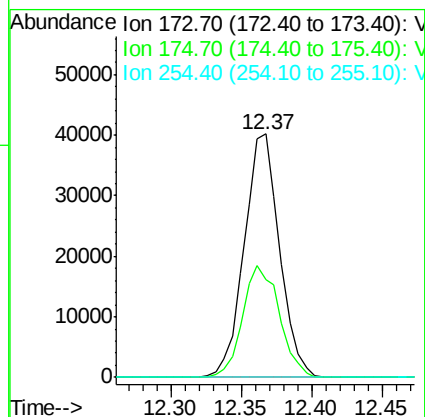
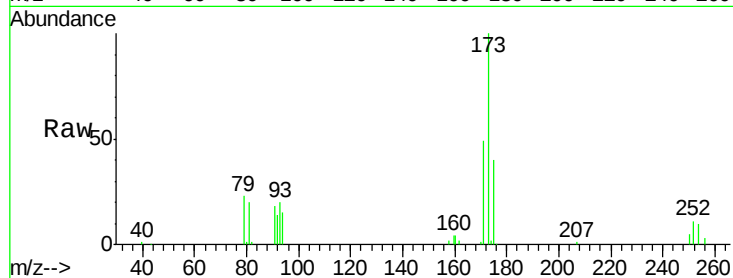
#71
Bromoform
Concen: 48.759 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.9	71.7
254	0.0	0.0	0.0

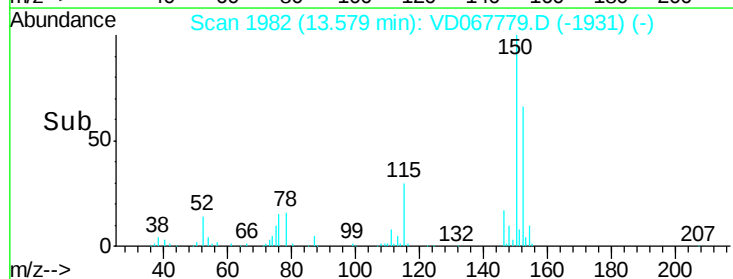
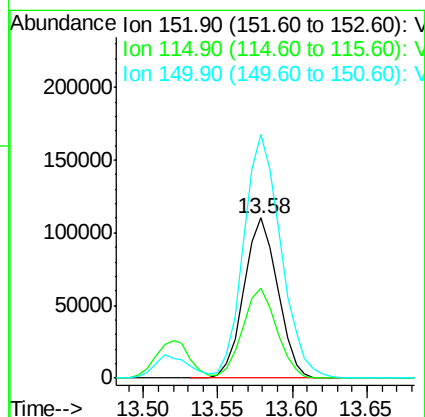
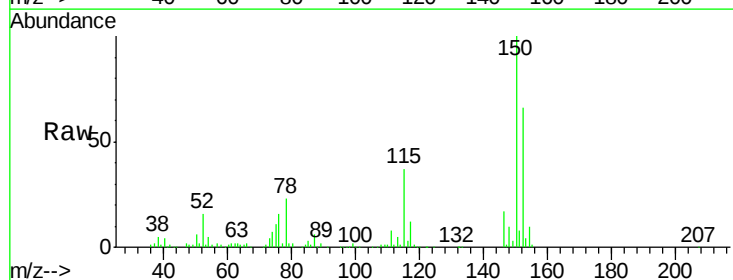
Manual Integrations
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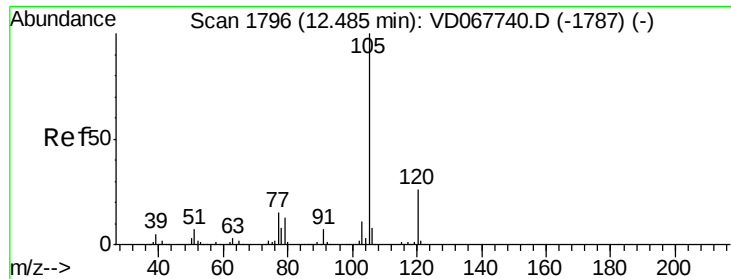
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	29.4	88.3
150	167.3	0.0	340.6





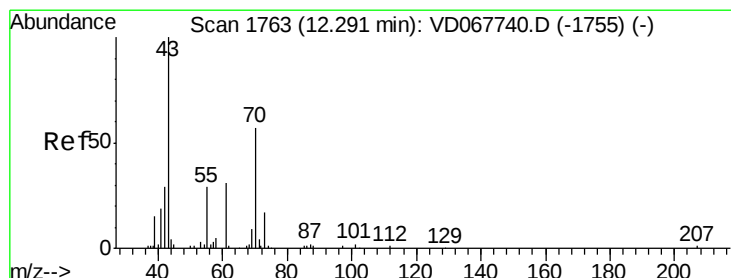
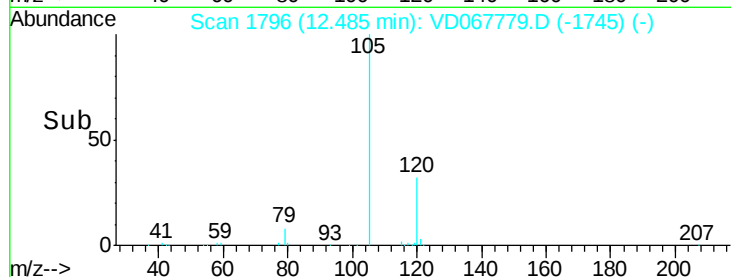
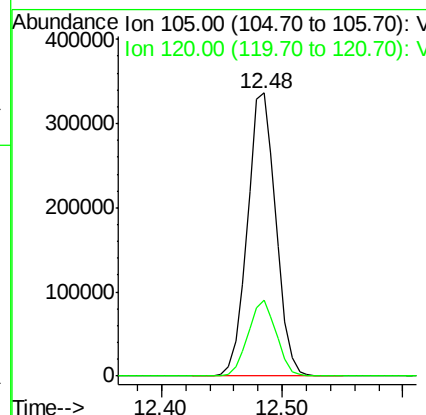
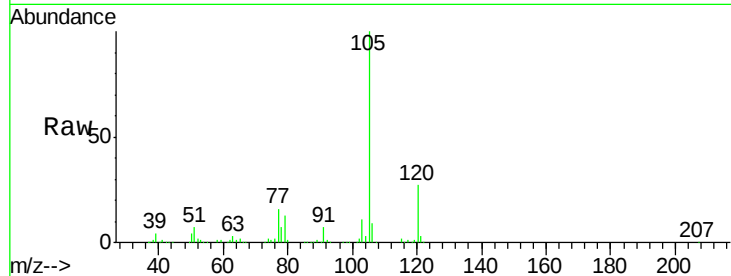
#73
Isopropylbenzene
Concen: 48.345 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

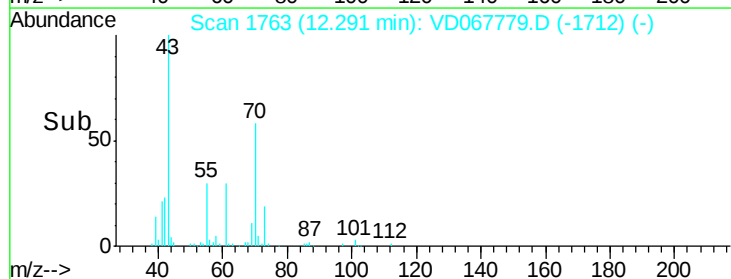
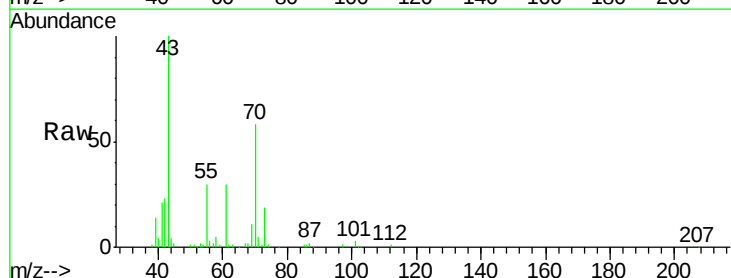
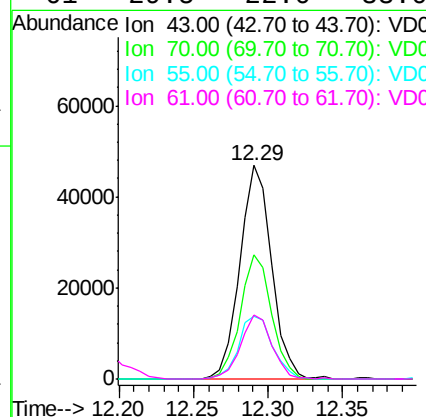
Manual Integrations
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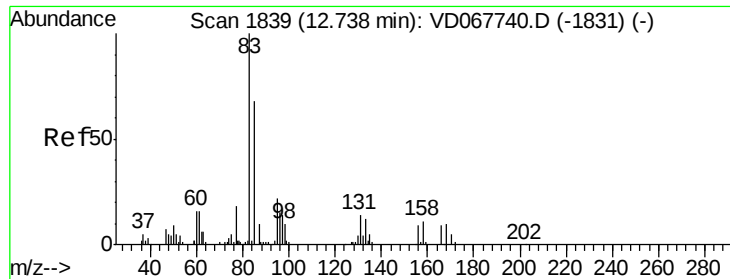
MMDadoda
11/25/2020 2:01:59 PM



#74
N-ethyl acetate
Concen: 46.140 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	57.1	44.6	66.8
55	31.8	24.2	36.2
61	29.5	22.0	33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.315 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

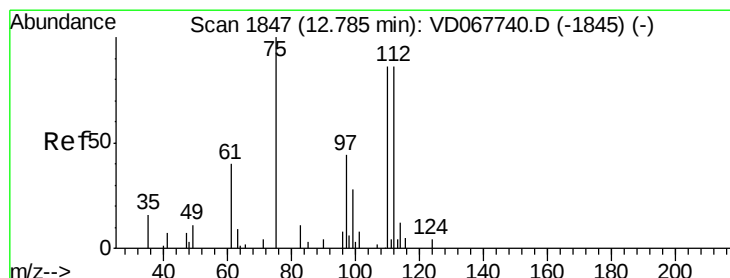
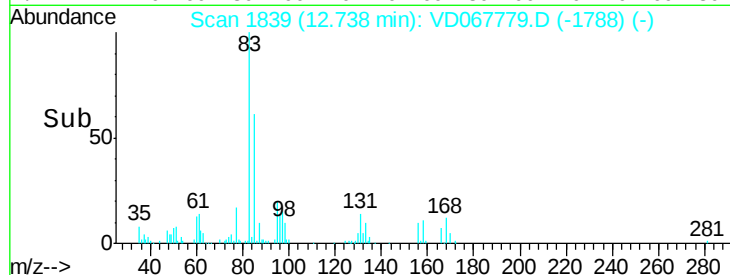
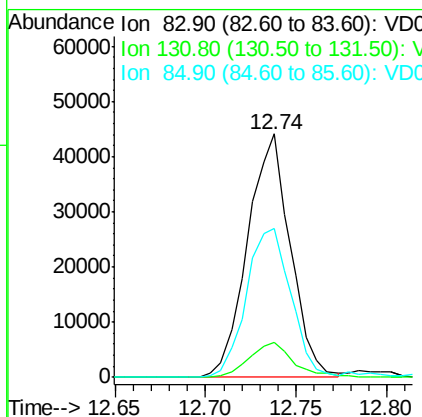
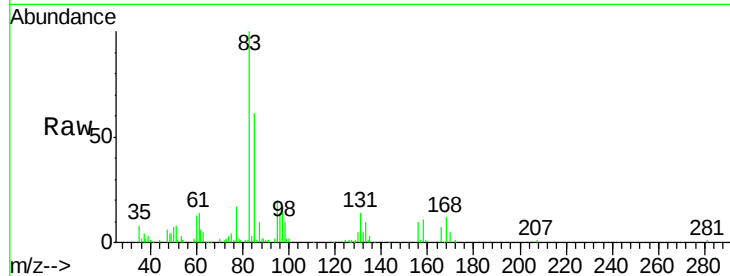
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	72395
Ion	Ratio	Lower	Upper
83	100		
131	14.9	8.1	24.1
85	63.6	33.9	101.7

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11/25/2020 2:01:59 PM



#76

1,2,3-Trichloropropane

Concen: 44.564 ug/l m

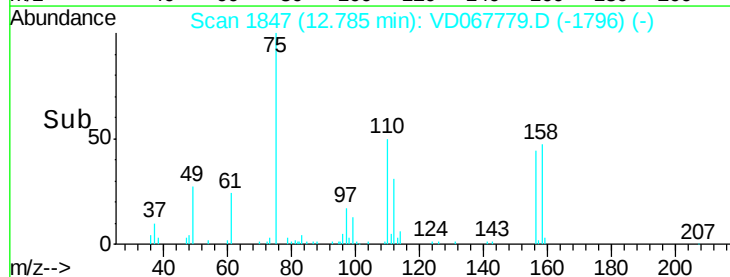
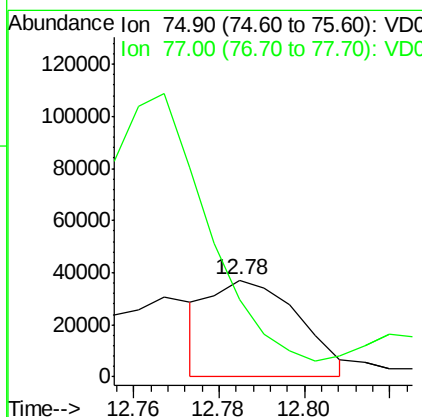
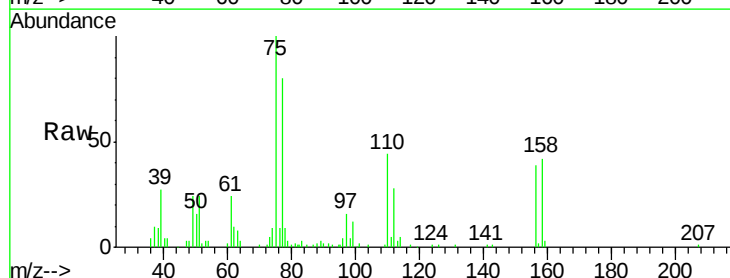
RT: 12.78 min Scan# 1847

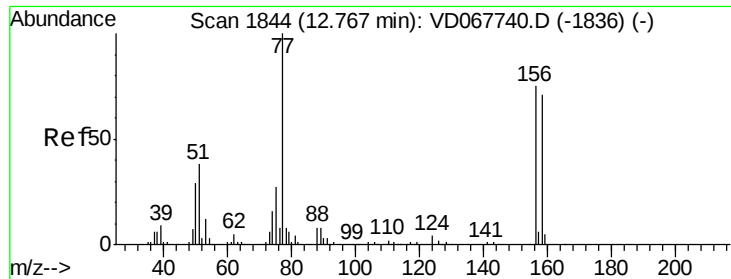
Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Tgt Ion:	75	Resp:	53818
Ion	Ratio	Lower	Upper
75	100		
77	374.7	0.0	0.0#





#77

Bromobenzene

Concen: 47.313 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067779.D

Acq: 24 Nov 2020 20:19

Instrument :

MSVOA_D

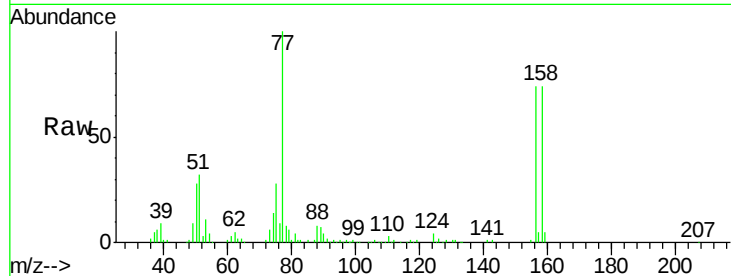
ClientSampleId :

VSTDCCC050EC

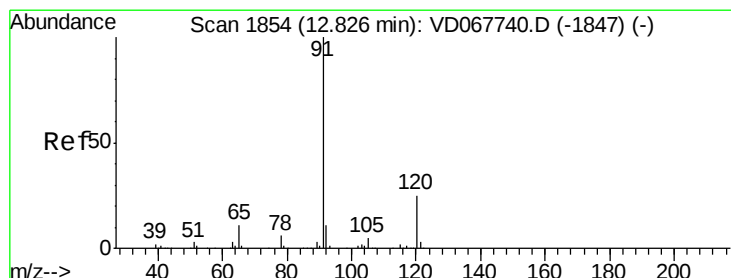
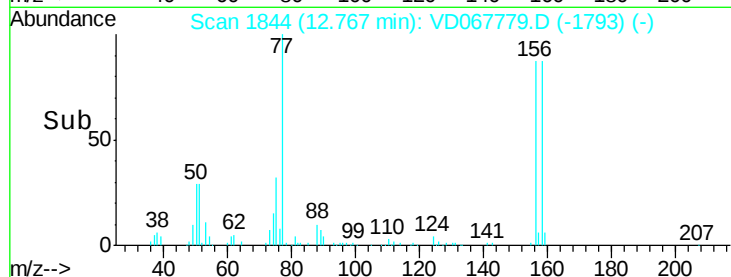
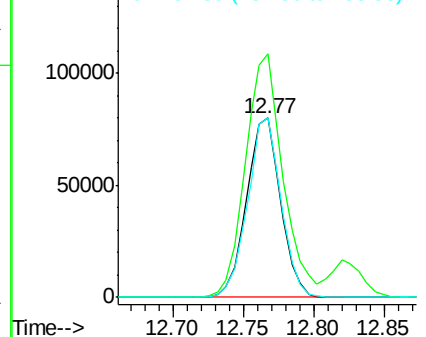
Tot Ion:	156	Resp:	135028
Ion Ratio	Lower	Upper	
156	100		
77	149.3	73.5	220.3
158	98.7	48.1	144.4

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.816 ug/l

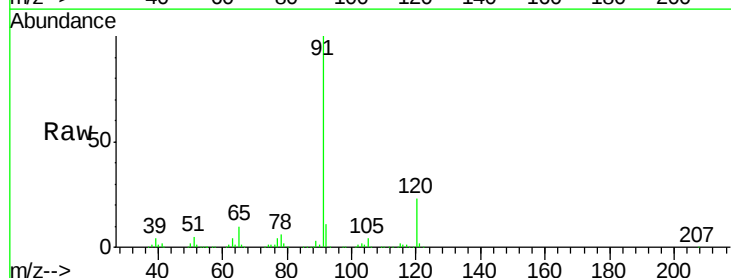
RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

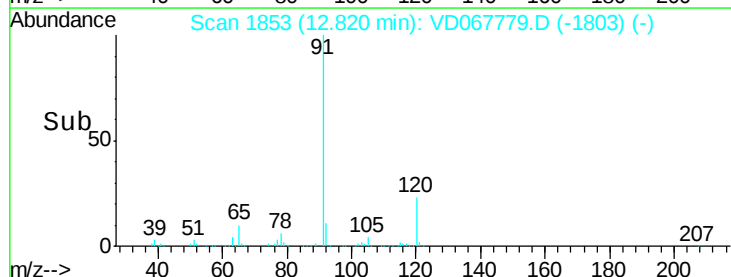
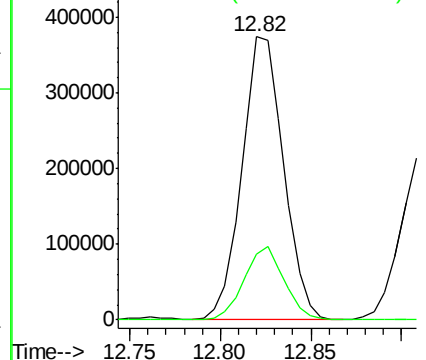
Lab File: VD067779.D

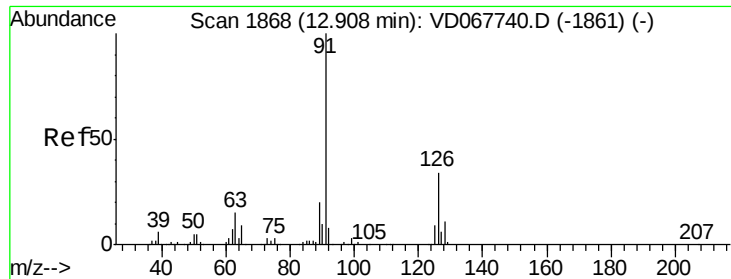
Acq: 24 Nov 2020 20:19

Tgt Ion:	91	Resp:	593815
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.4	37.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





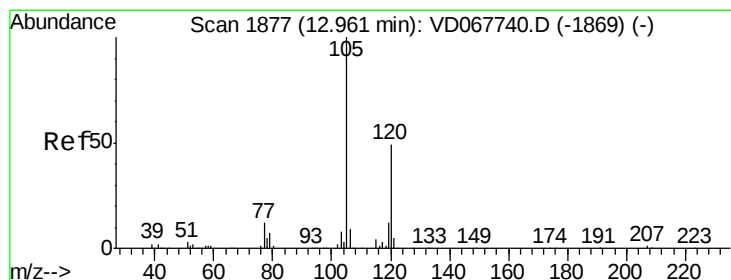
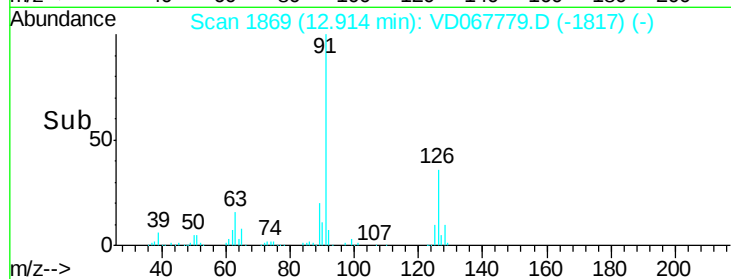
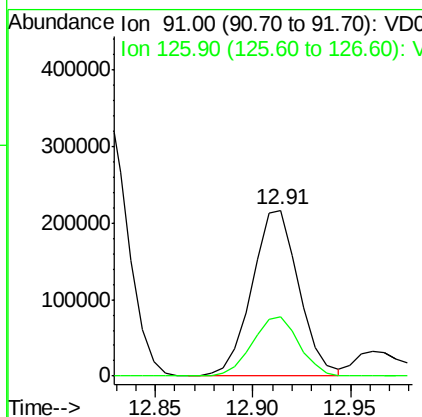
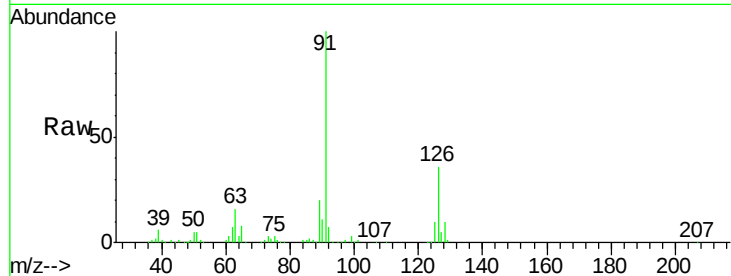
#79
 2-Chlorotoluene
 Concen: 48.126 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 361413
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.9 53.7

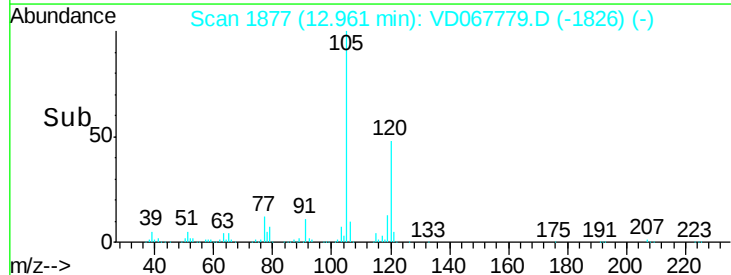
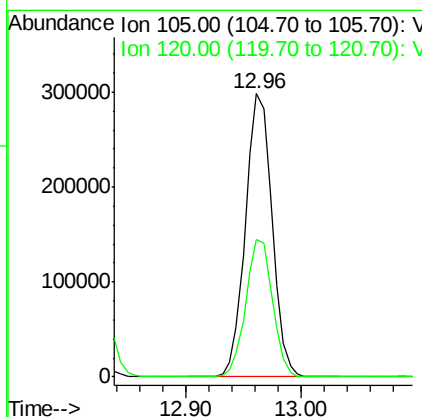
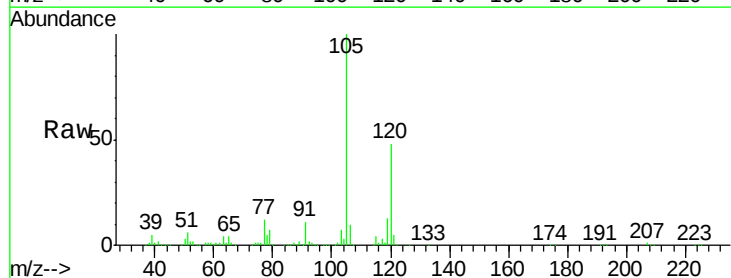
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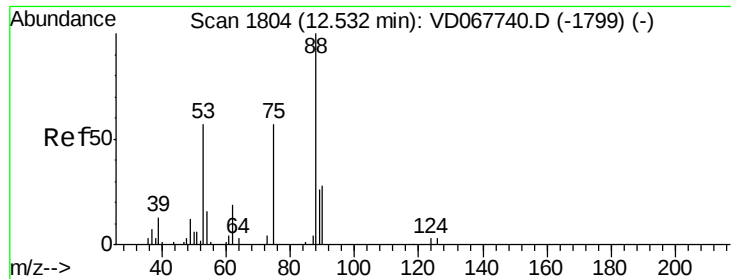
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.301 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Tgt Ion: 105 Resp: 478960
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.9 71.7





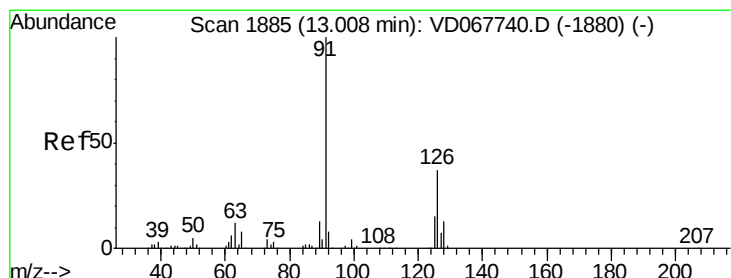
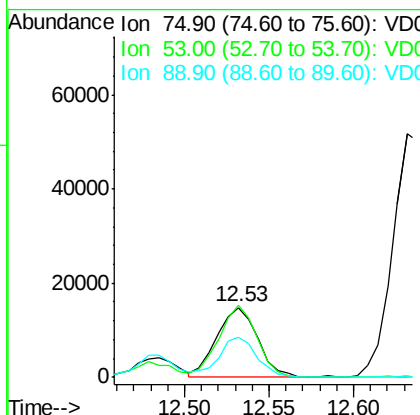
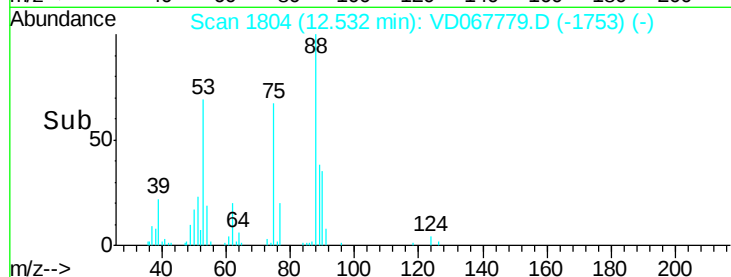
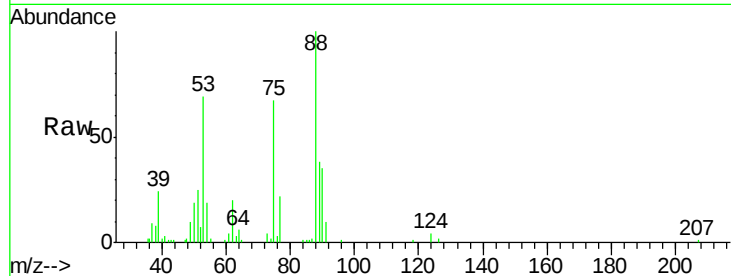
#81
trans-1,4-Dichloro-2-butene
Concen: 48.730 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.2	76.0	114.0
89	52.6	40.2	60.4

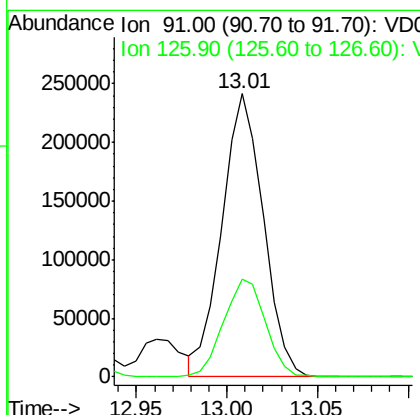
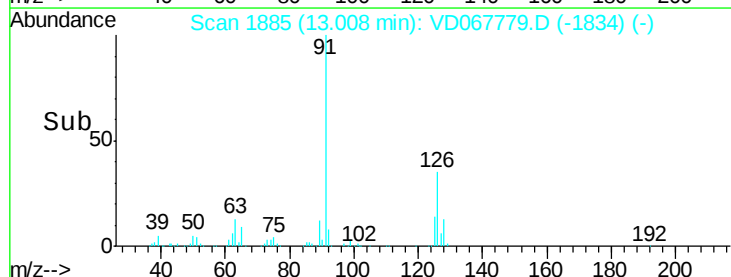
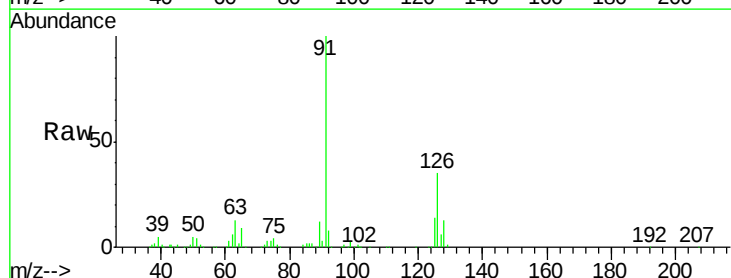
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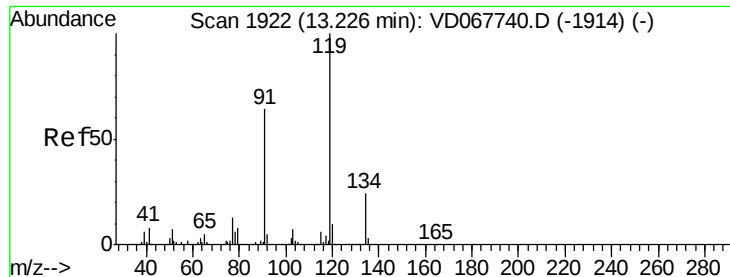
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#82
4-Chlorotoluene
Concen: 47.886 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.7	53.1





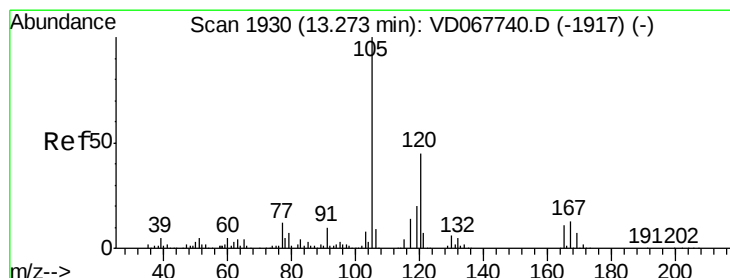
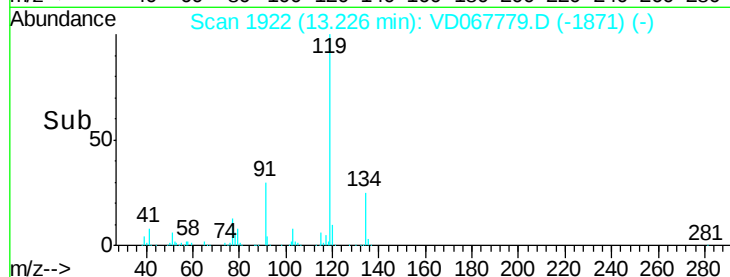
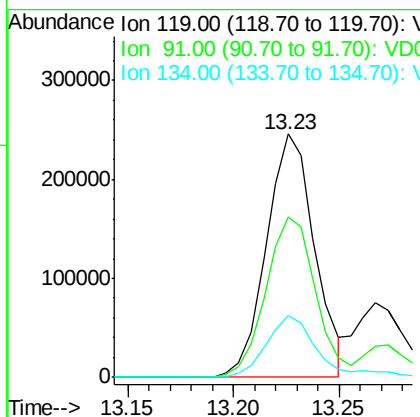
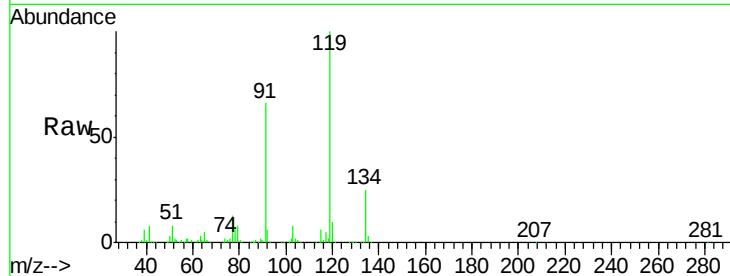
#83
tert-Butylbenzene
Concen: 45.822 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	32.9	98.7
134	27.4	12.9	38.6

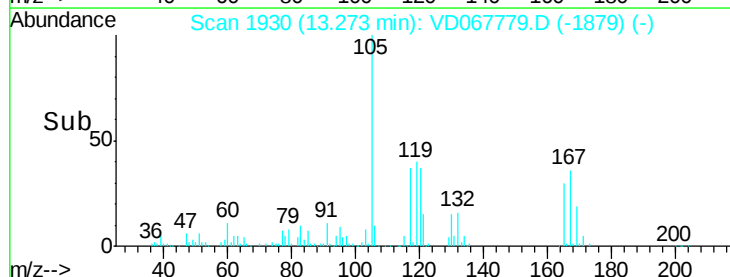
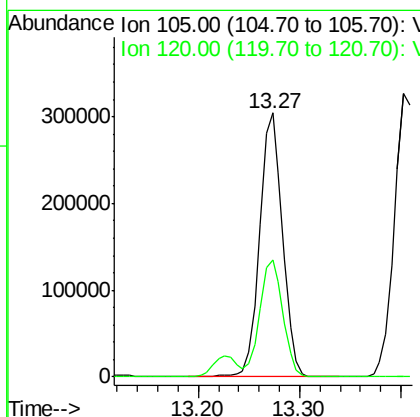
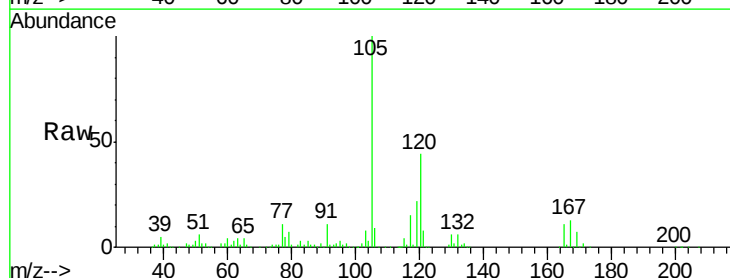
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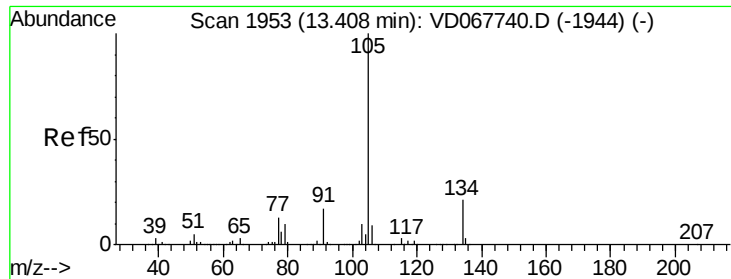
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#84
1,2,4-Trimethylbenzene
Concen: 47.721 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.6	67.7





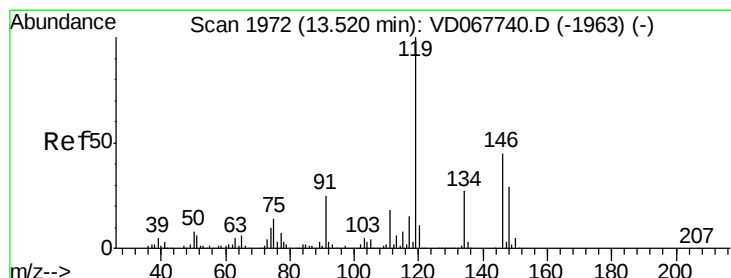
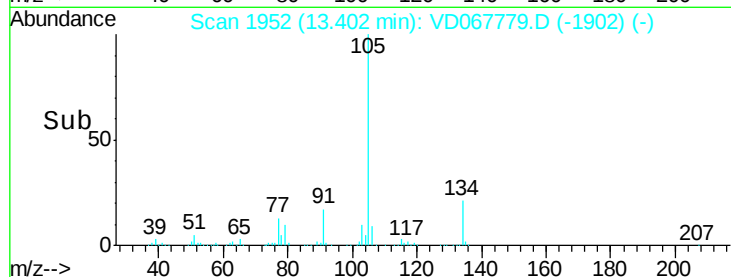
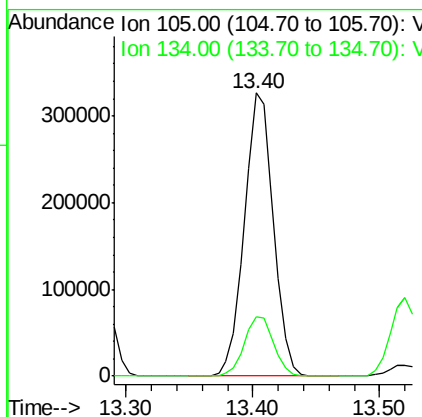
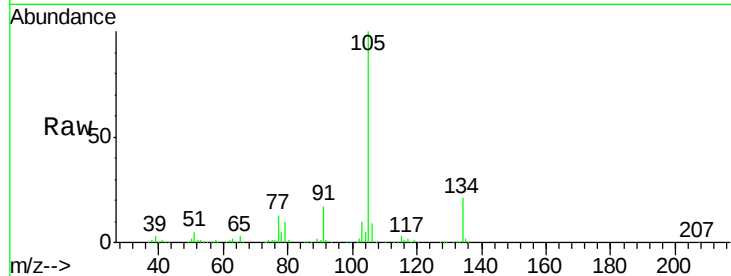
#85
 sec-Butylbenzene
 Concen: 46.410 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.7	32.1

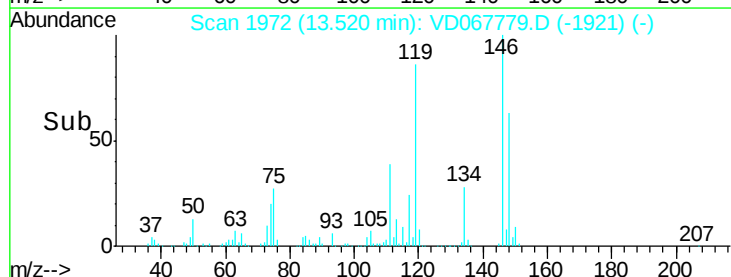
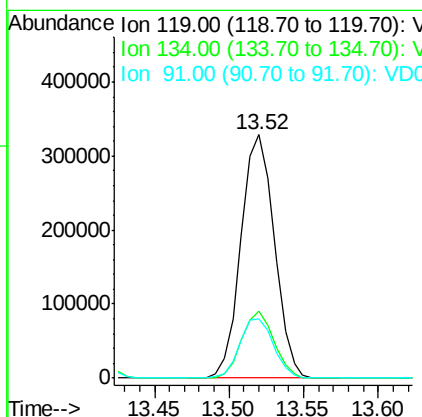
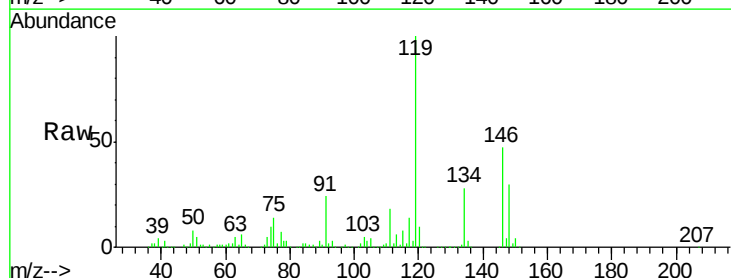
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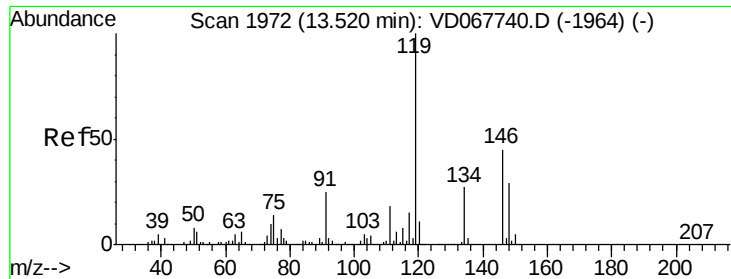
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#86
 p-Isopropyltoluene
 Concen: 47.122 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.0	38.9
91	24.9	12.7	38.1





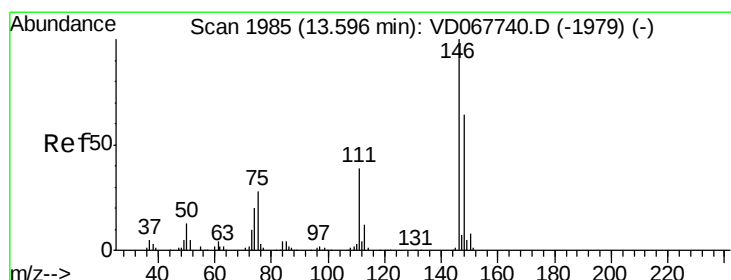
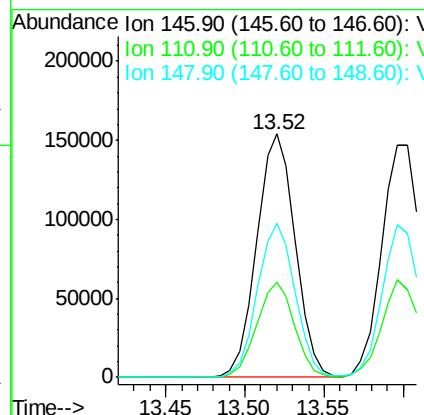
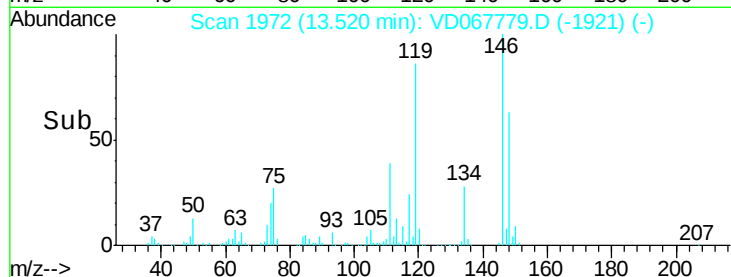
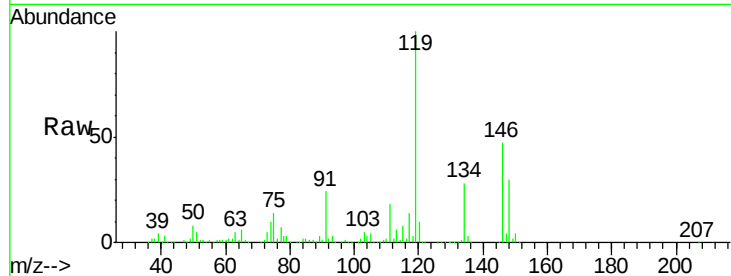
#87
 1,3-Dichlorobenzene
 Concen: 46.946 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.2	60.6
148	62.2	32.5	97.4

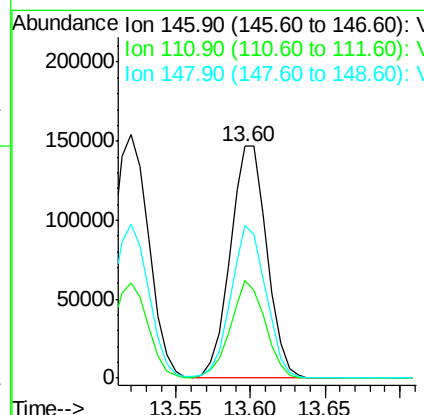
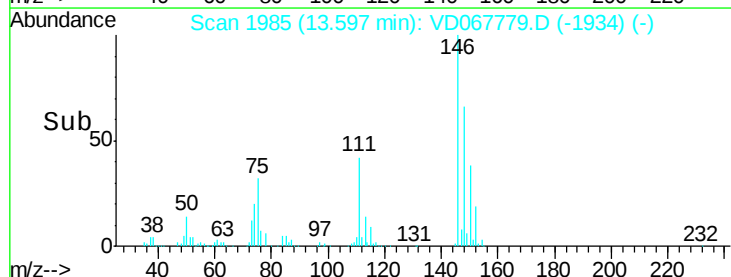
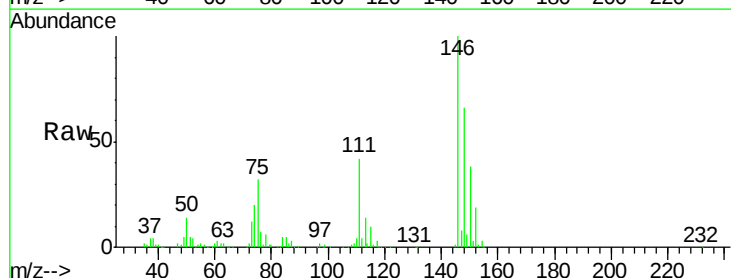
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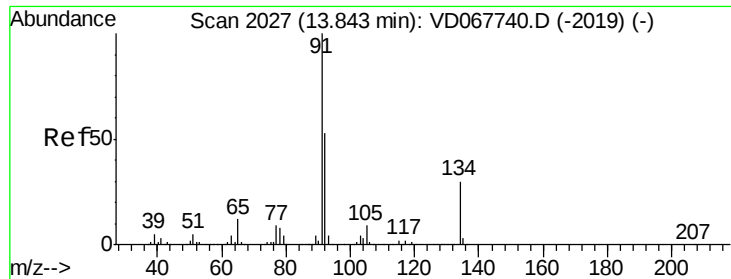
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#88
 1,4-Dichlorobenzene
 Concen: 46.076 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.4
148	63.1	31.6	94.8





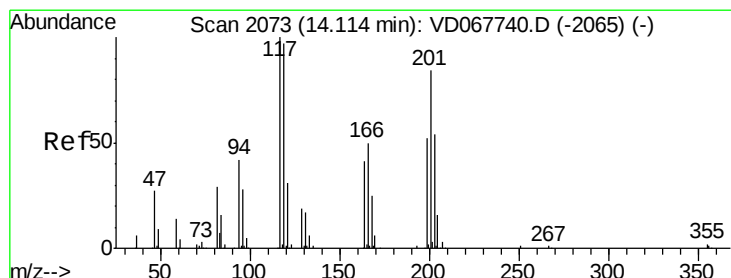
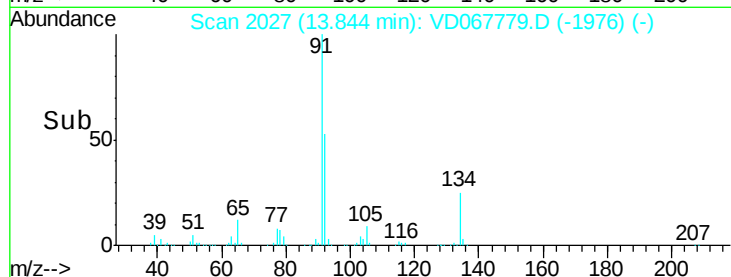
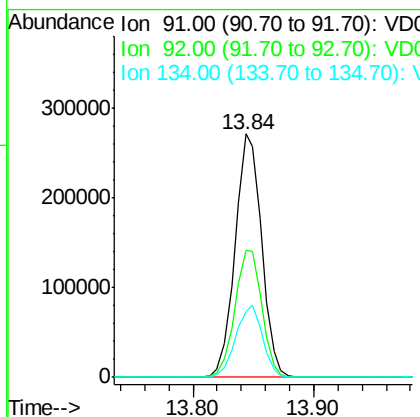
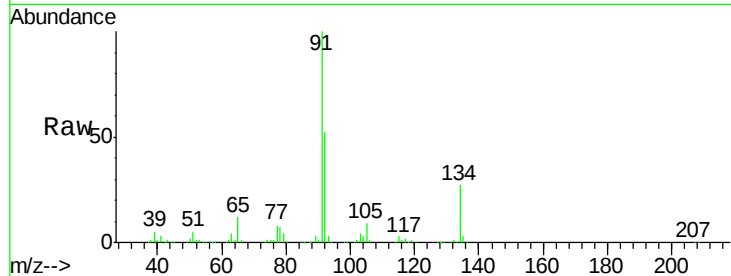
#89
n-Butylbenzene
Concen: 44.759 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	29.6	14.8	44.3

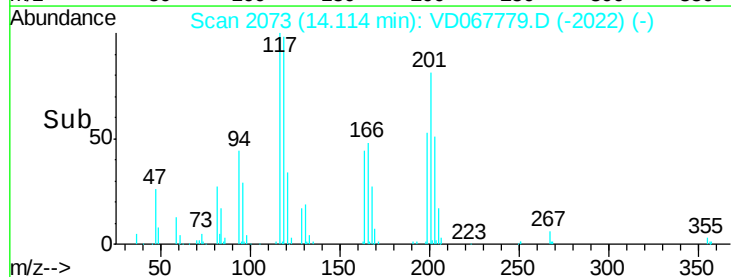
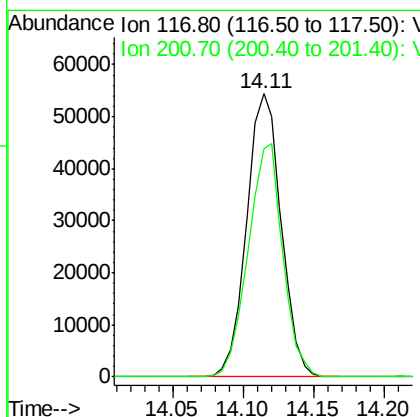
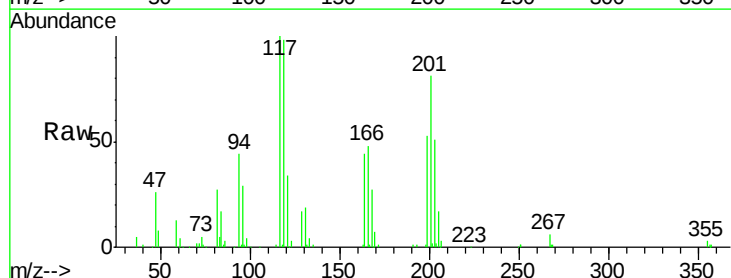
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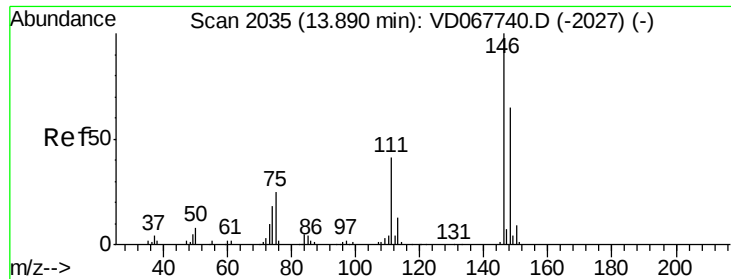
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#90
Hexachloroethane
Concen: 45.288 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	42.2	126.6





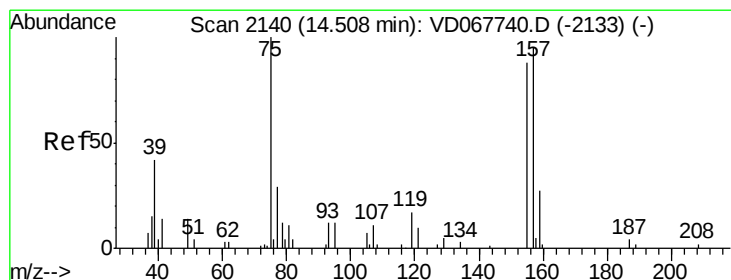
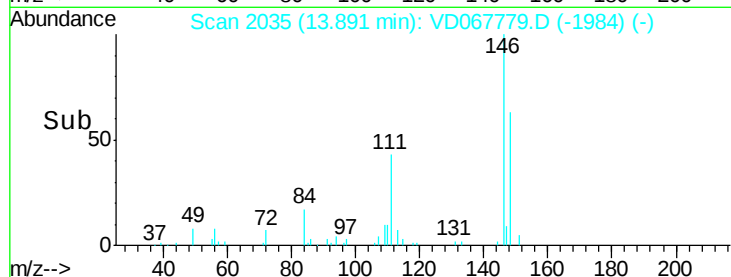
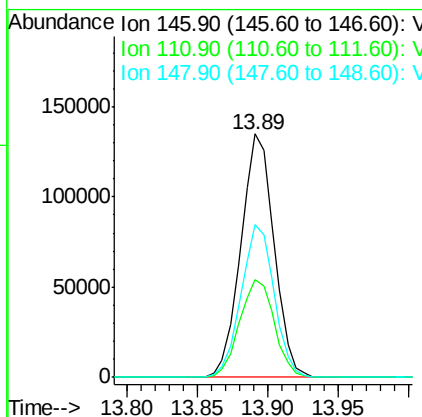
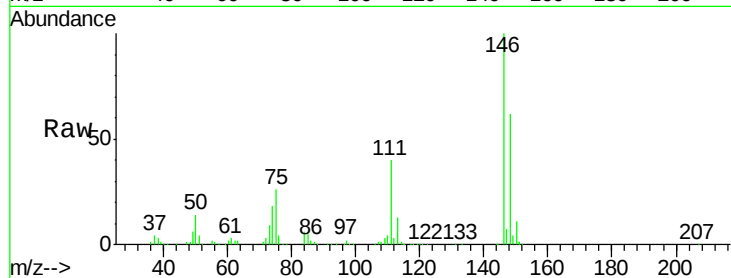
#91
 1,2-Dichlorobenzene
 Concen: 46.713 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	222266		
111	41.9	20.8	62.5	
148	62.3	32.4	97.2	

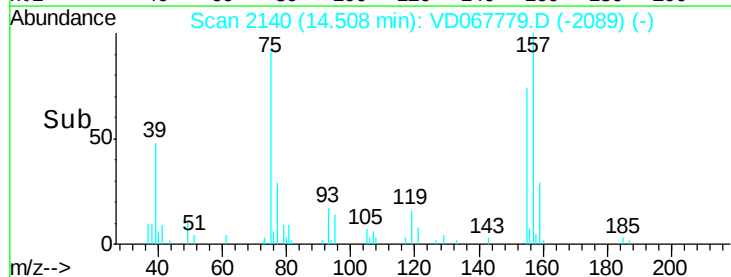
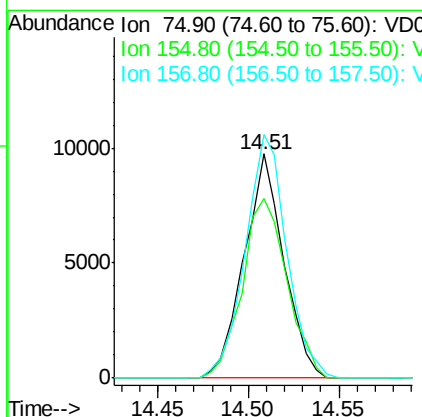
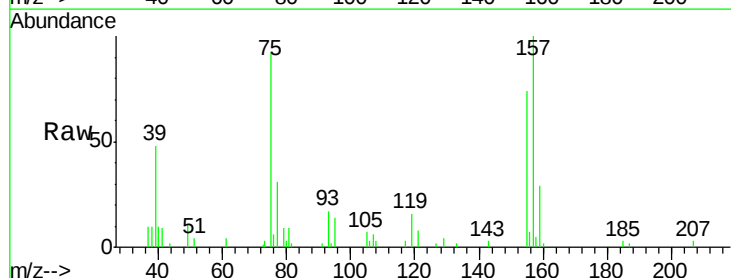
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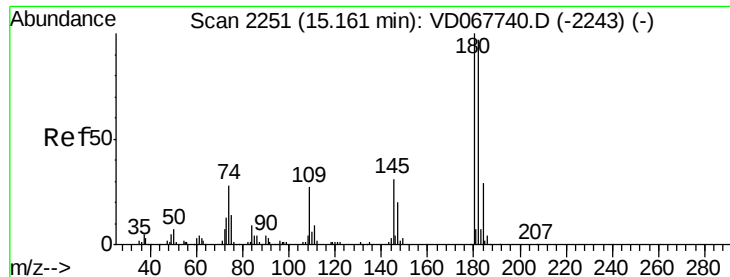
MMDadoda
 11/25/2020 2:01:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.874 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14803		
155	90.1	41.0	123.0	
157	113.7	51.1	153.4	





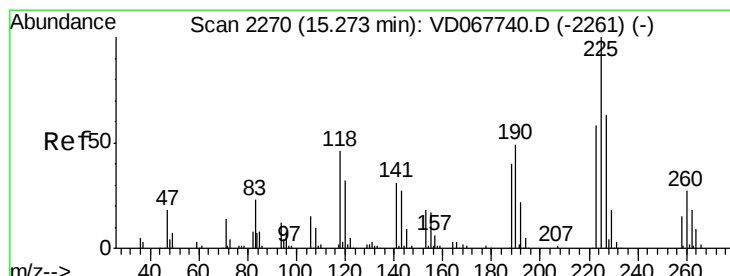
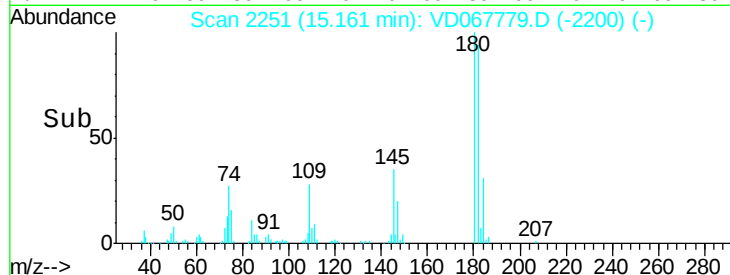
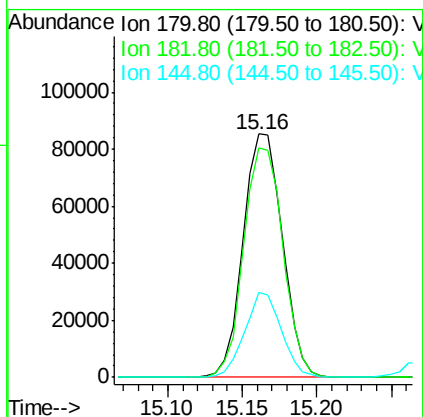
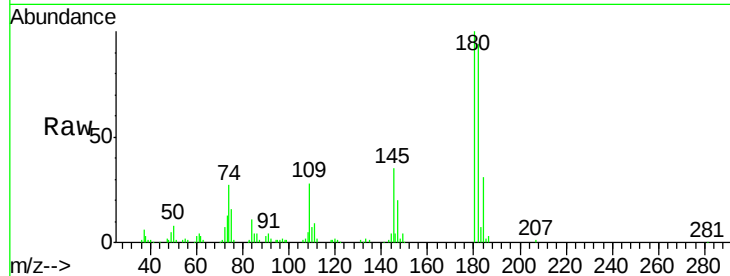
#93
 1,2,4-Trichlorobenzene
 Concen: 46.156 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	155499		
182	94.1	47.4	142.2	
145	32.5	16.1	48.3	

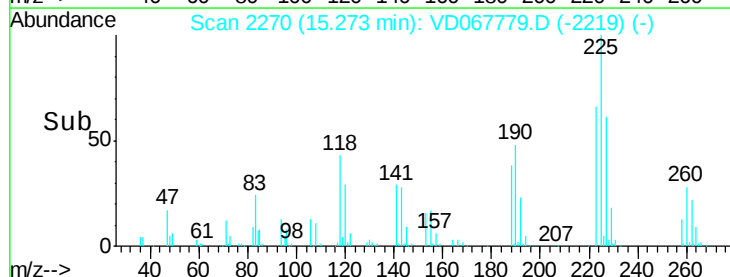
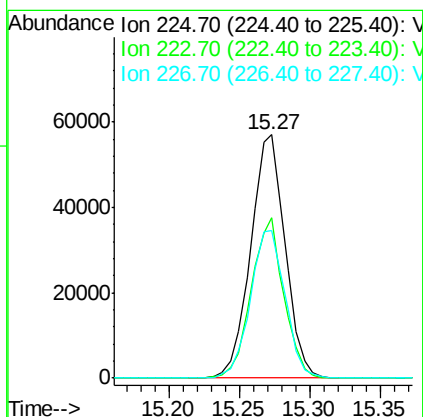
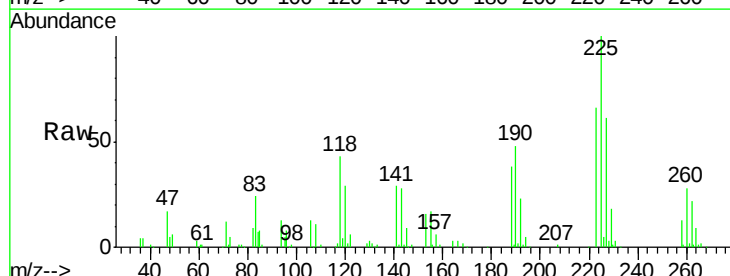
Manual Integrations
 APPROVED

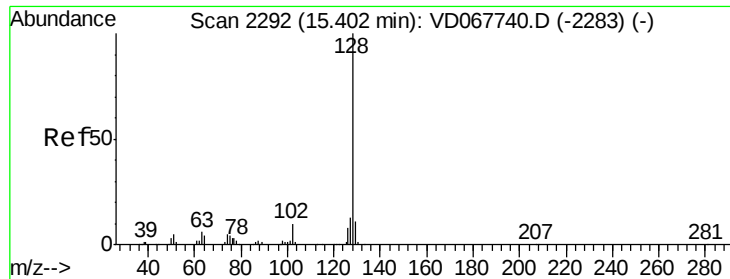
MMDadoda
 11/25/2020 2:01:59 PM



#94
 Hexachlorobutadiene
 Concen: 45.496 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067779.D
 Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97933		
223	62.0	31.5	94.5	
227	61.0	32.9	98.7	





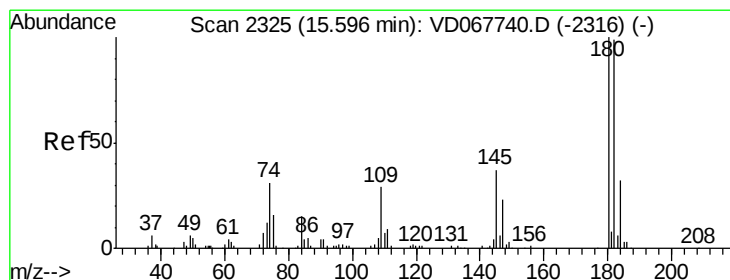
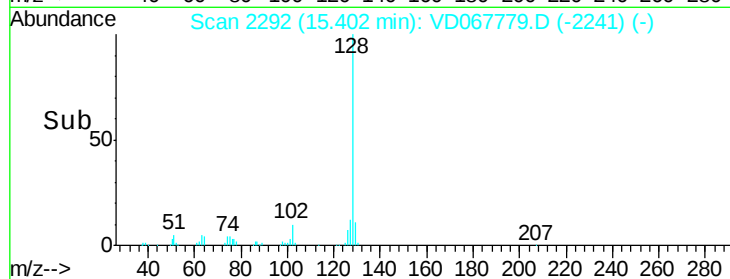
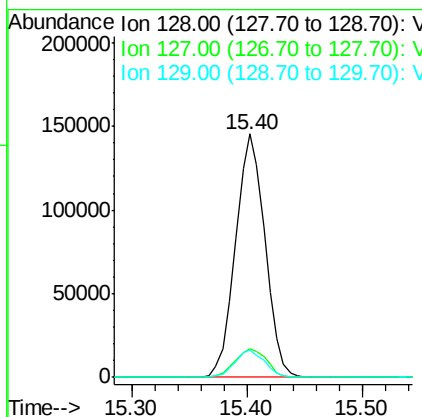
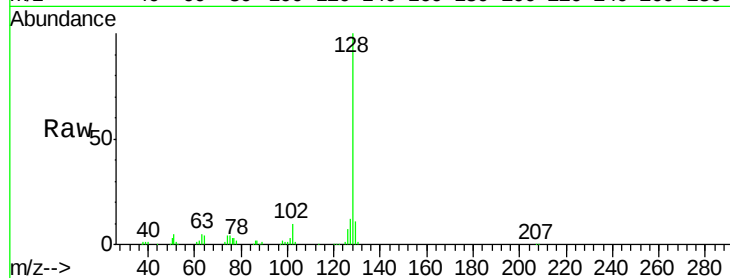
#95
Naphthalene
Concen: 47.101 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	256810		
127	12.7		10.7	16.1
129	11.4		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/25/2020 2:01:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.860 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067779.D
Acq: 24 Nov 2020 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	134475		
182	94.4		48.0	144.0
145	32.2		16.8	50.4

