

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030521\
 Data File : VD068540.D
 Acq On : 05 Mar 2021 13:00
 Operator : VA/SY
 Sample : M1565-01RE
 Misc : 3.63G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1RE

Quant Time: Mar 05 23:11:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	307401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	518856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	385906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	84663	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	158824	51.71	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.42%
35) Dibromofluoromethane	7.914	113	171679	54.93	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.86%
50) Toluene-d8	10.338	98	618774	49.70	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.40%
62) 4-Bromofluorobenzene	12.632	95	123768	30.85	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	61.70%

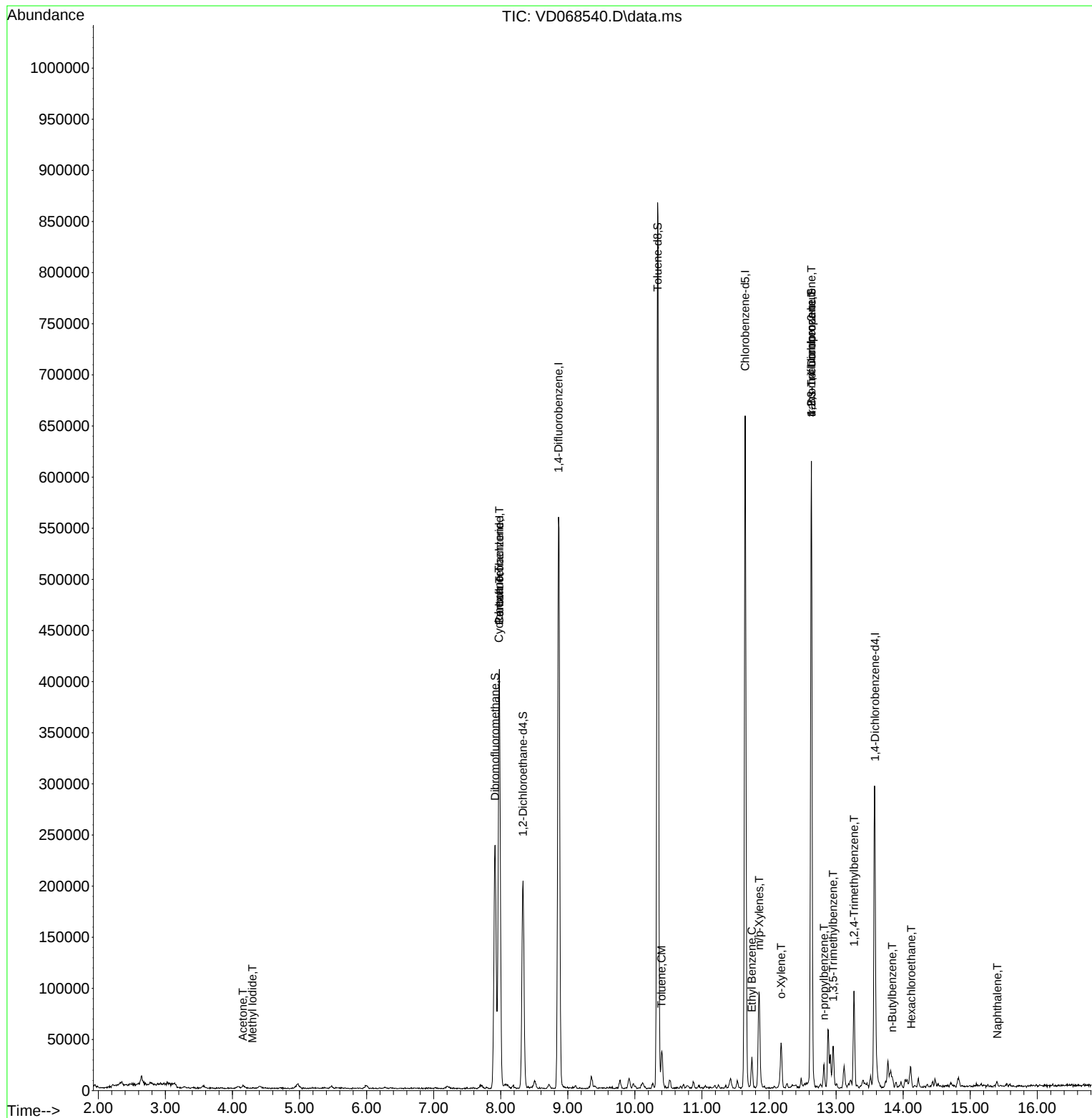
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	629	2.78	ug/l #	76
16) Acetone	4.156	43	5277	10.82	ug/l #	77
20) Methylene Chloride	4.968	84	3949	Below Cal	#	81
31) Cyclohexane	7.973	56	8668	1.55	ug/l #	51
38) Carbon Tetrachloride	7.979	117	31010	6.69	ug/l #	17
52) Toluene	10.397	92	15056	1.67	ug/l	90
67) Ethyl Benzene	11.744	91	20252	1.44	ug/l	99
68) m/p-Xylenes	11.855	106	27299	5.12	ug/l	96
69) o-Xylene	12.179	106	12171	2.48	ug/l	93
76) 1,2,3-Trichloropropane	12.632	75	62256	82.83	ug/l #	100
78) n-propylbenzene	12.820	91	17499	2.33	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	16015	3.11	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.632	75	62256	193.30	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.267	105	53978	10.47	ug/l	100
89) n-Butylbenzene	13.838	91	6312	1.16	ug/l #	75
90) Hexachloroethane	14.120	117	1280	1.15	ug/l #	42
95) Naphthalene	15.402	128	3672	1.11	ug/l	97

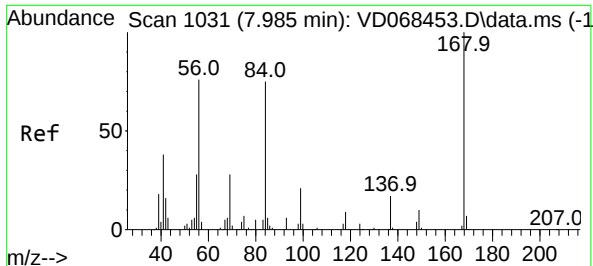
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030521\
Data File : VD068540.D
Acq On : 05 Mar 2021 13:00
Operator : VA/SY
Sample : M1565-01RE
Misc : 3.63G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

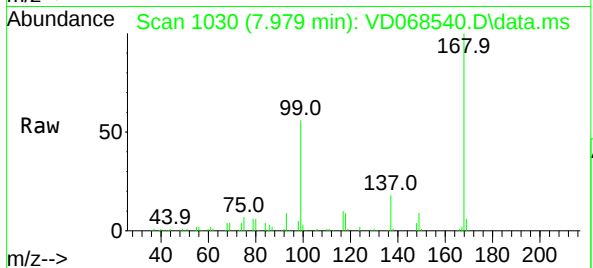
Quant Time: Mar 05 23:11:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 2021
Response via : Initial Calibration



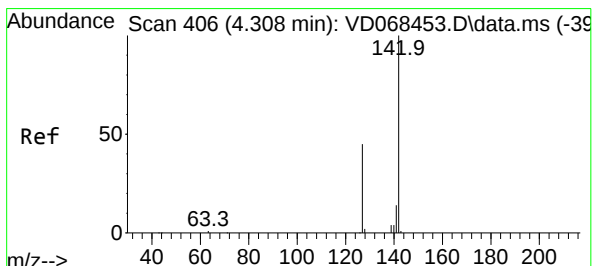
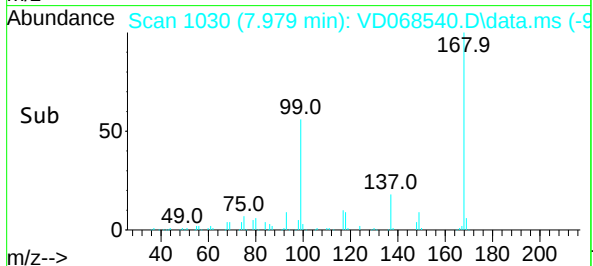
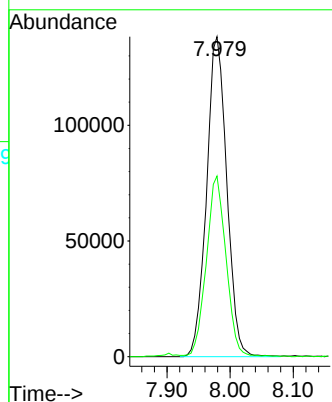


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

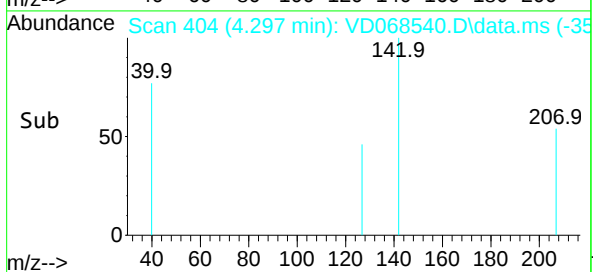
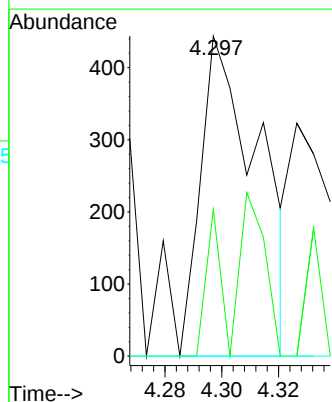
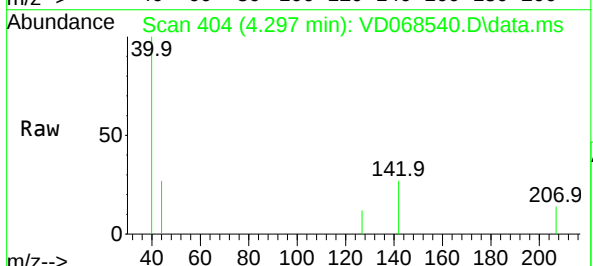


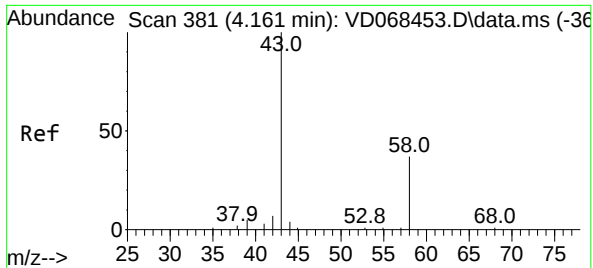
Tgt Ion:168 Resp: 307401
Ion Ratio Lower Upper
168 100
99 56.3 43.5 65.3



#10
Methyl Iodide
Concen: 2.78 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.011 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Tgt Ion:142 Resp: 629
Ion Ratio Lower Upper
142 100
127 33.4 37.9 56.9#
141 0.0 11.5 17.3#

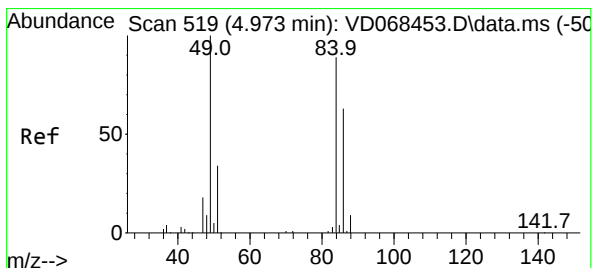
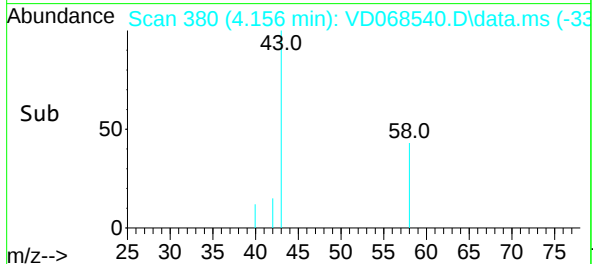
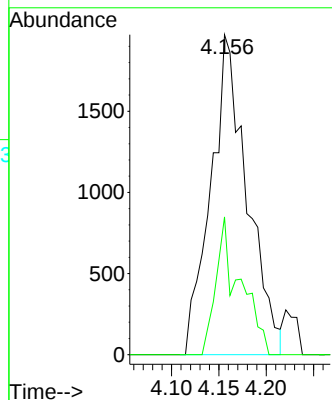
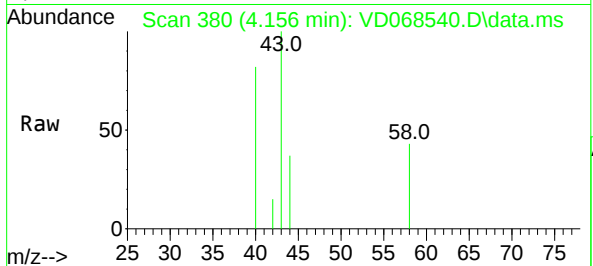




#16
Acetone
Concen: 10.82 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.005 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

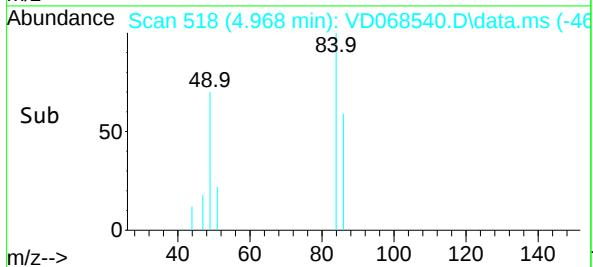
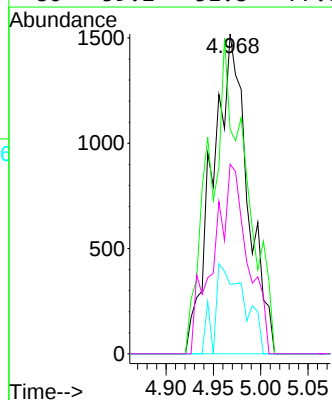
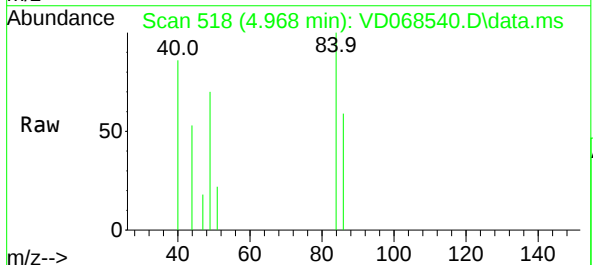
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

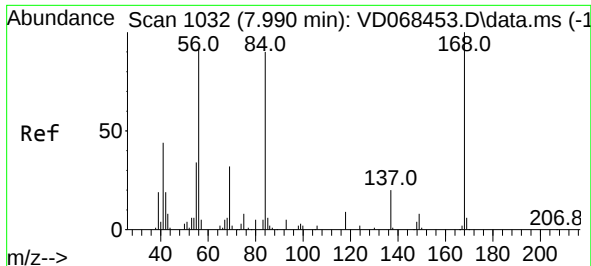
Tgt Ion: 43 Resp: 5277
Ion Ratio Lower Upper
43 100
58 43.1 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. -0.005 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

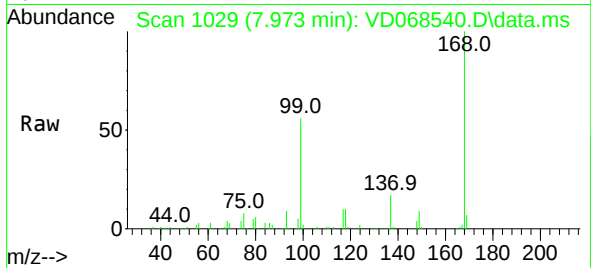
Tgt Ion: 84 Resp: 3949
Ion Ratio Lower Upper
84 100
49 70.1 77.4 116.2#
51 21.7 26.1 39.1#
86 59.2 51.8 77.8



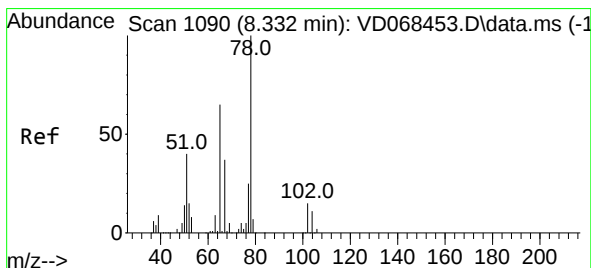
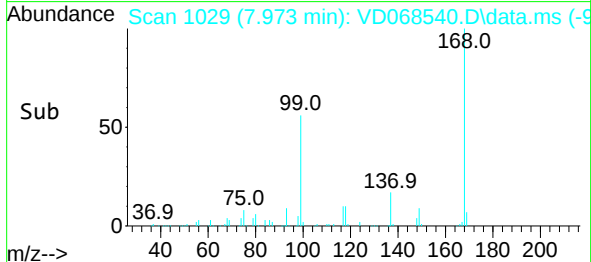
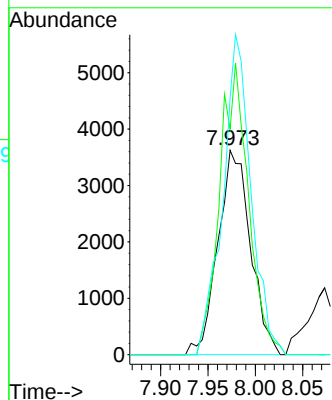


#31
Cyclohexane
Concen: 1.55 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.017 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

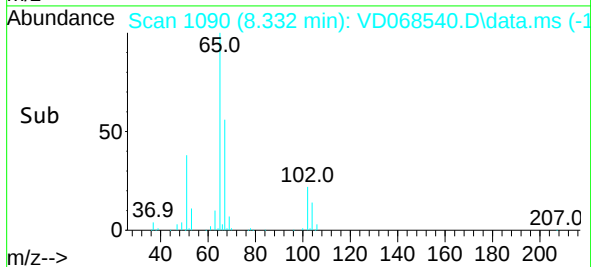
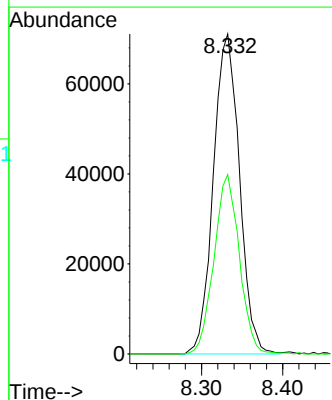
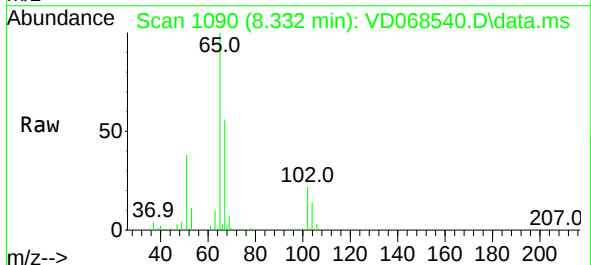


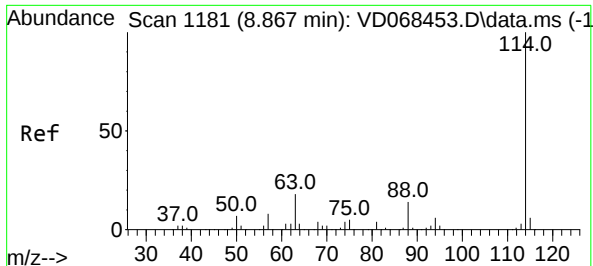
Tgt Ion: 56 Resp: 8668
Ion Ratio Lower Upper
56 100
69 110.5 30.1 45.1#
84 125.8 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 51.71 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.001 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Tgt Ion: 65 Resp: 158824
Ion Ratio Lower Upper
65 100
67 54.4 0.0 105.0

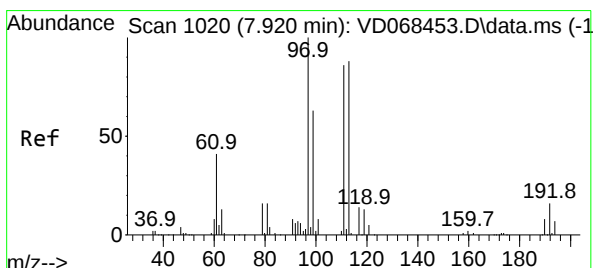
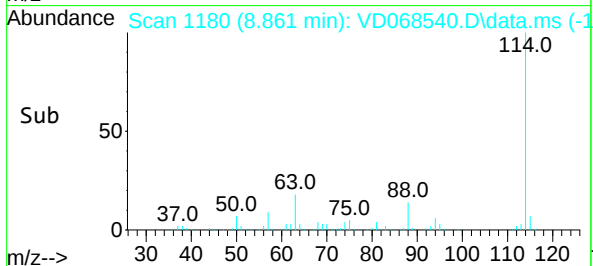
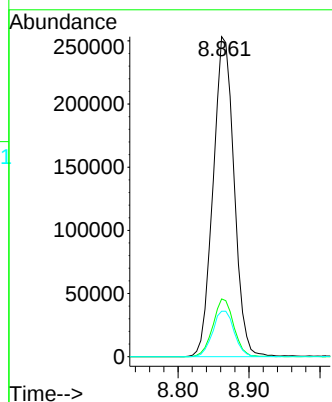
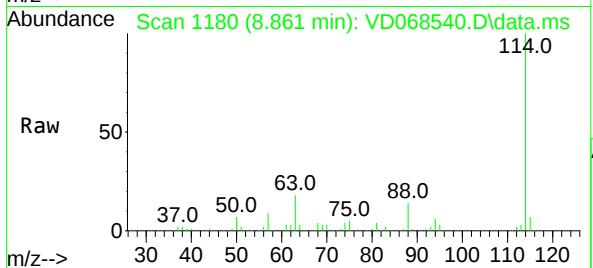




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.005 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

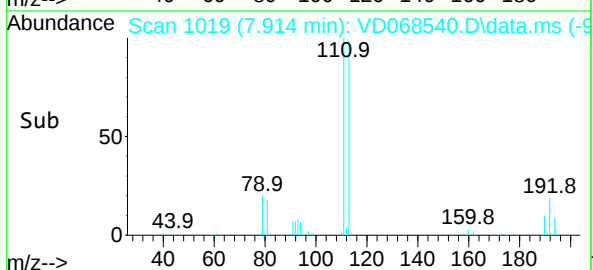
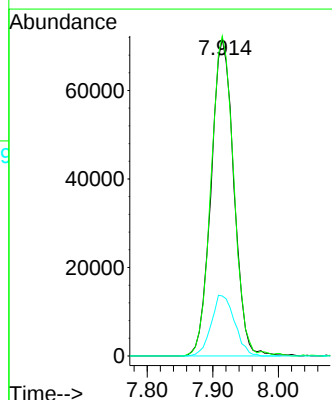
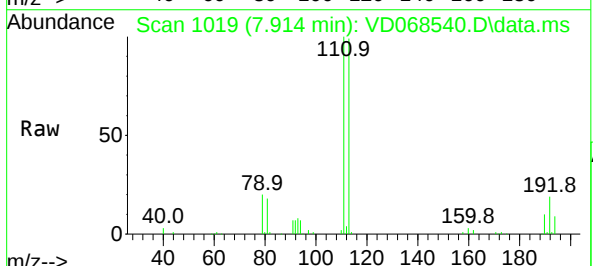
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

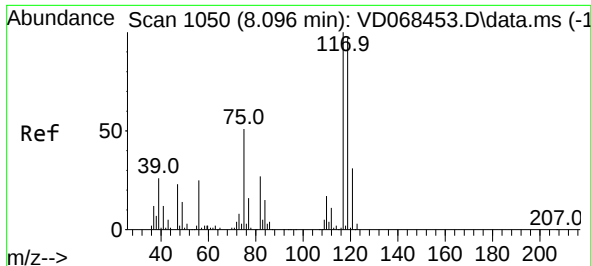
Tgt Ion:114 Resp: 518856
Ion Ratio Lower Upper
114 100
63 18.0 0.0 34.8
88 14.2 0.0 31.6



#35
Dibromofluoromethane
Concen: 54.93 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.005 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Tgt Ion:113 Resp: 171679
Ion Ratio Lower Upper
113 100
111 101.1 81.4 122.0
192 19.8 16.1 24.1

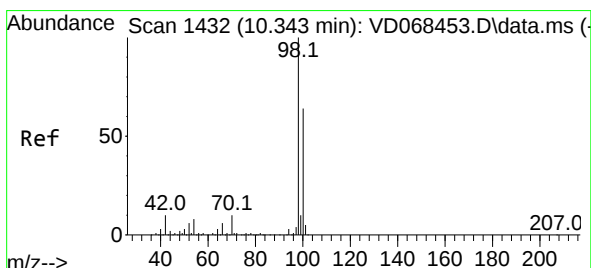
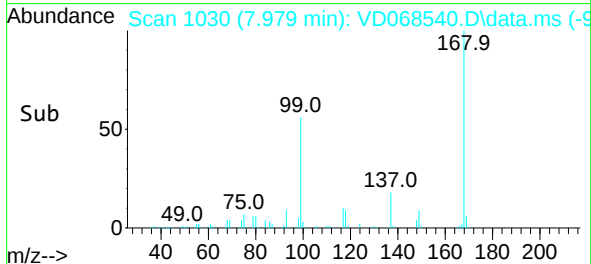
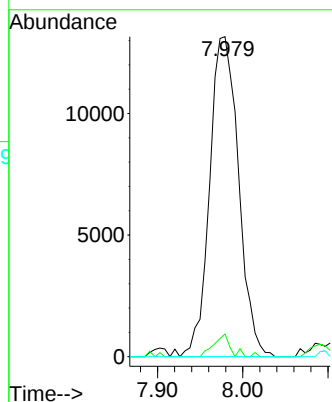
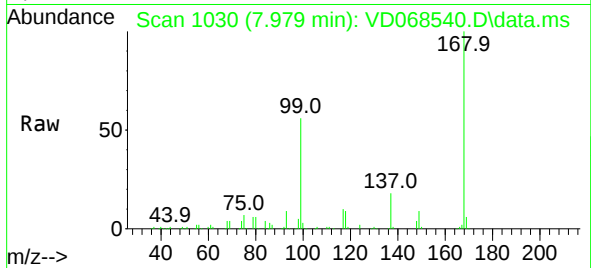




#38
Carbon Tetrachloride
Concen: 6.69 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

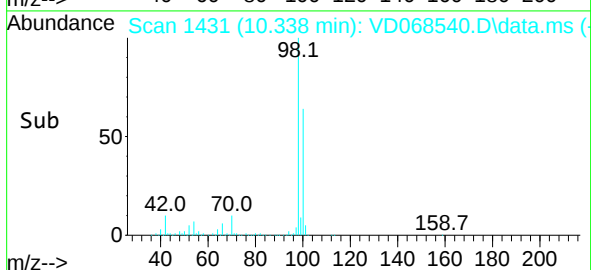
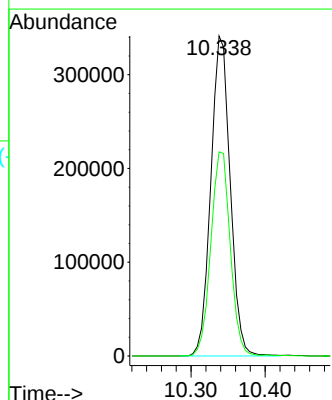
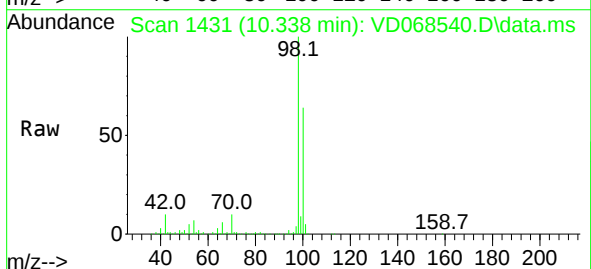
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

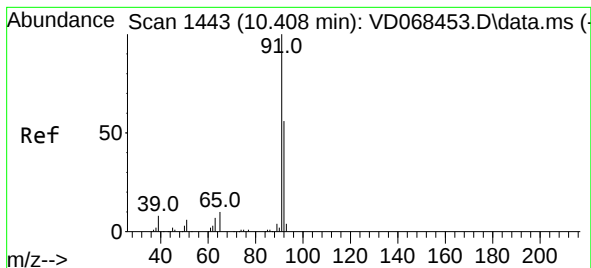
Tgt Ion:117 Resp: 31010
Ion Ratio Lower Upper
117 100
119 7.1 77.3 115.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.70 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Tgt Ion: 98 Resp: 618774
Ion Ratio Lower Upper
98 100
100 64.1 53.0 79.4





#52

Toluene

Concen: 1.67 ug/l

RT: 10.397 min Scan# 1441

Delta R.T. -0.011 min

Lab File: VD068540.D

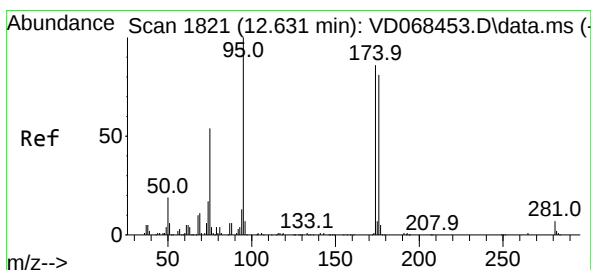
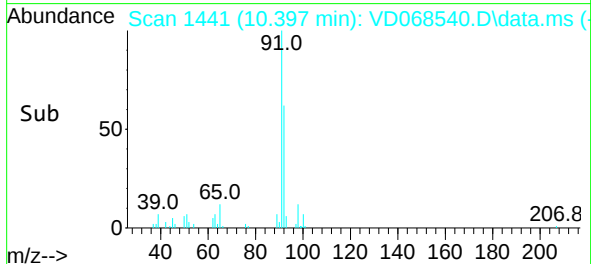
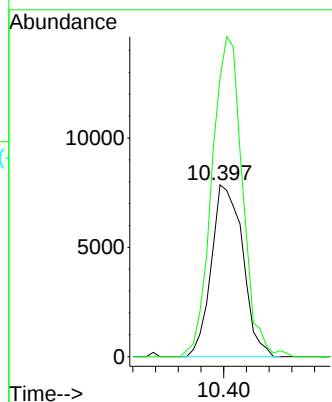
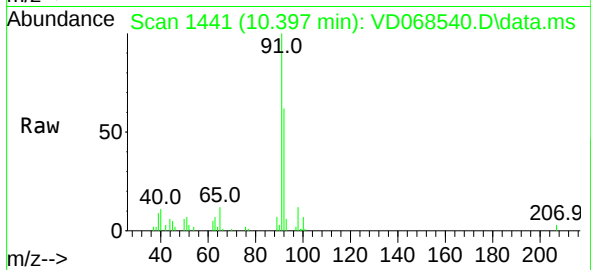
Acq: 05 Mar 2021 13:00

Tgt Ion: 92 Resp: 15056

Ion Ratio Lower Upper

92 100

91 181.0 134.1 201.1



#62

4-Bromofluorobenzene

Concen: 30.85 ug/l

RT: 12.632 min Scan# 1821

Delta R.T. 0.001 min

Lab File: VD068540.D

Acq: 05 Mar 2021 13:00

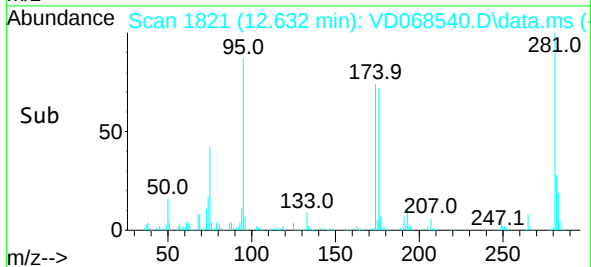
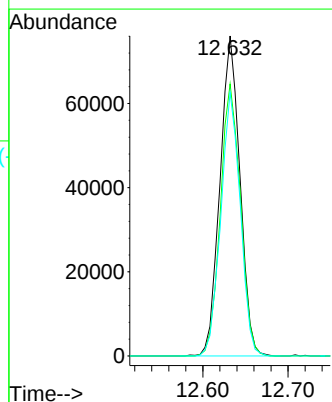
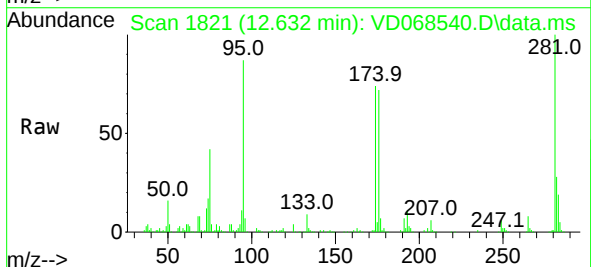
Tgt Ion: 95 Resp: 123768

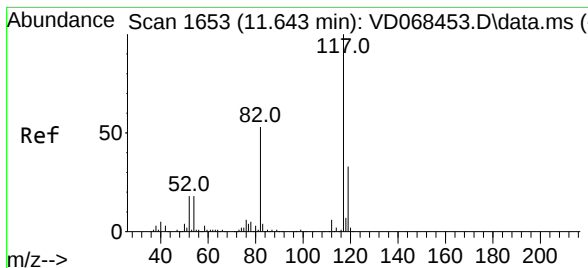
Ion Ratio Lower Upper

95 100

174 85.4 0.0 172.4

176 80.1 0.0 168.4

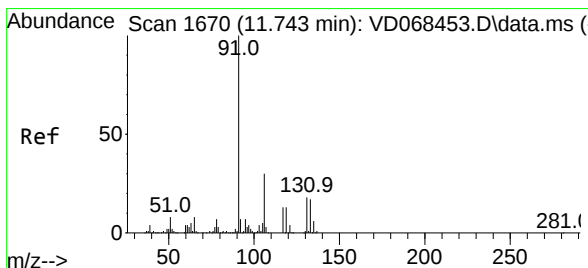
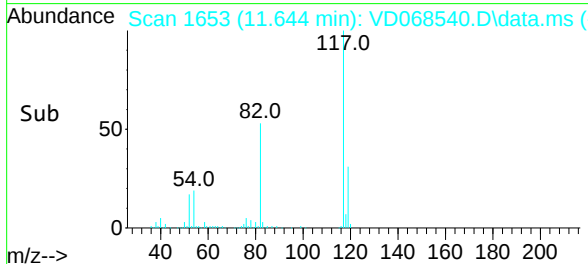
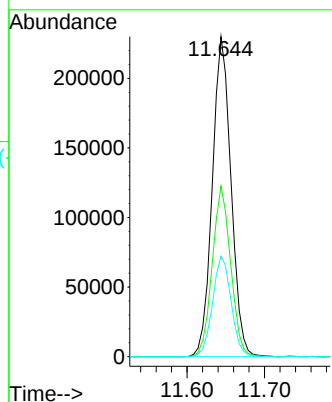
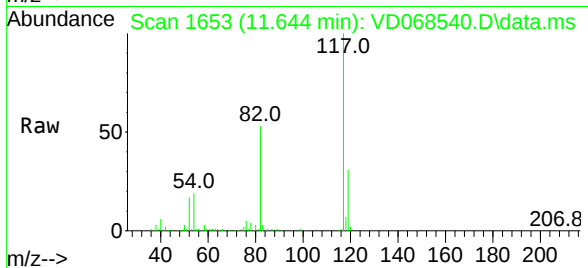




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

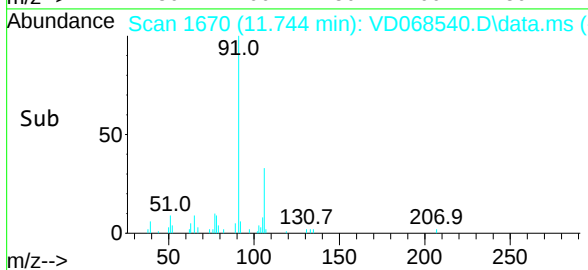
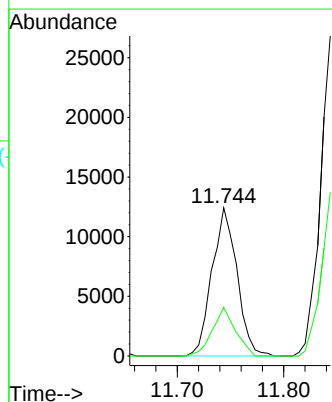
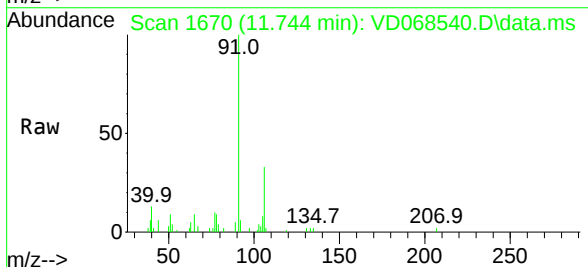
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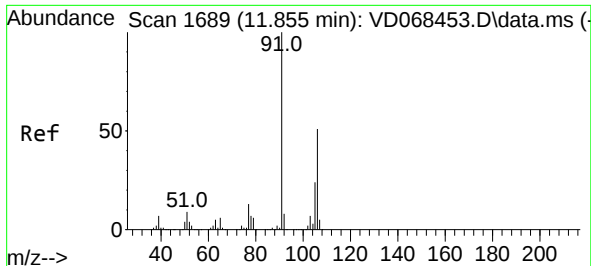
Tgt Ion:117 Resp: 385906
Ion Ratio Lower Upper
117 100
82 53.3 41.4 62.0
119 31.5 26.1 39.1



#67
Ethyl Benzene
Concen: 1.44 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Tgt Ion: 91 Resp: 20252
Ion Ratio Lower Upper
91 100
106 32.8 25.9 38.9

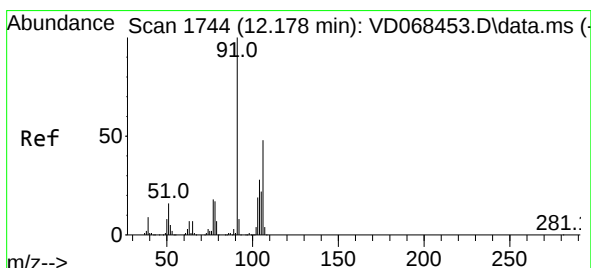
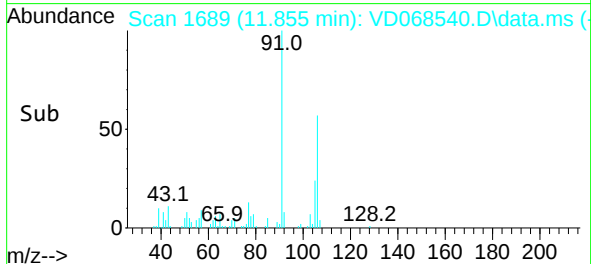
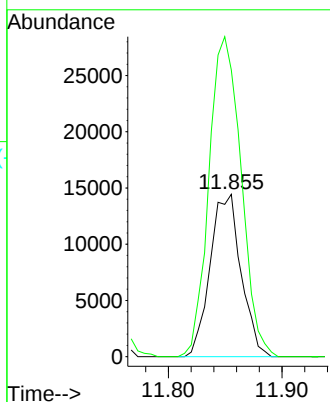
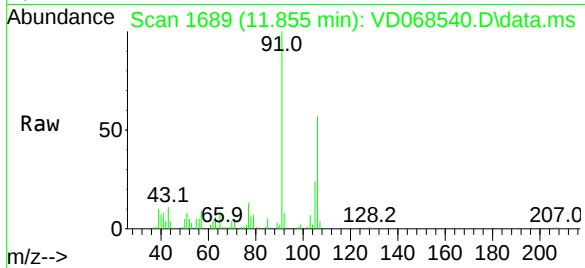




#68
m/p-Xylenes
Concen: 5.12 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.001 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

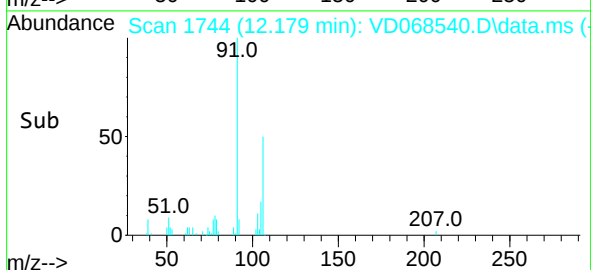
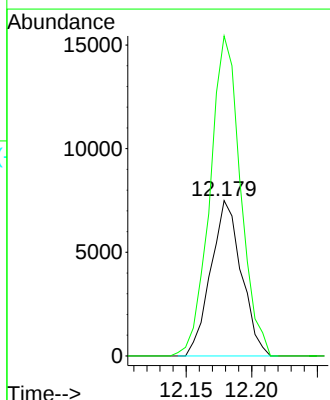
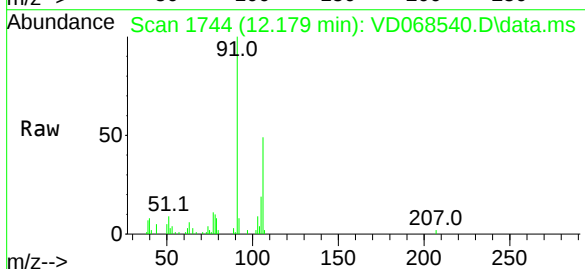
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

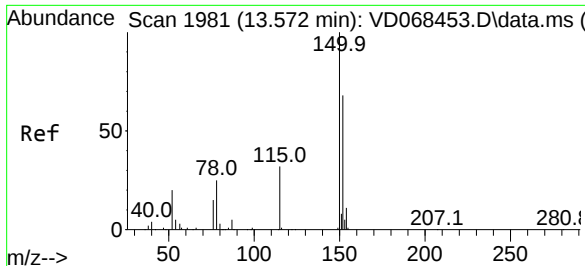
Tgt Ion:106 Resp: 27299
Ion Ratio Lower Upper
106 100
91 205.0 159.1 238.7



#69
o-Xylene
Concen: 2.48 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.001 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Tgt Ion:106 Resp: 12171
Ion Ratio Lower Upper
106 100
91 205.5 108.7 325.9

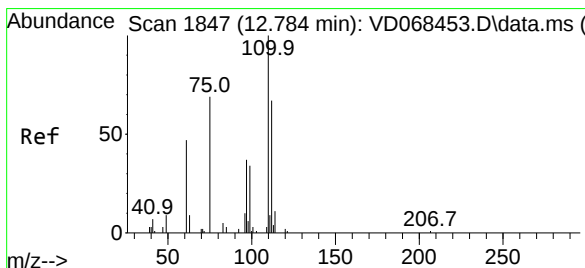
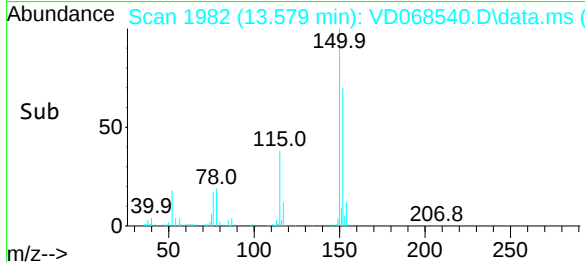
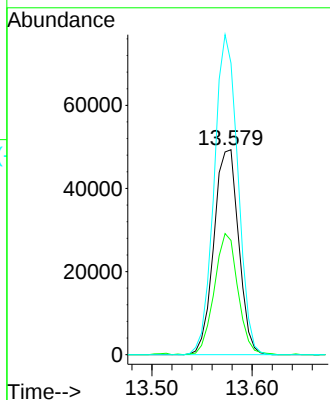
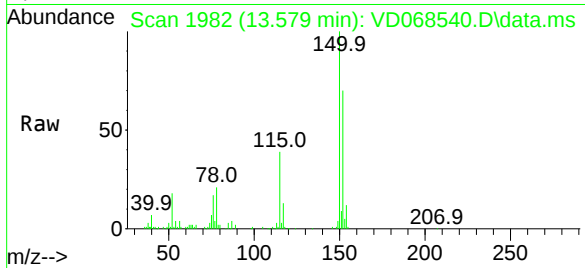




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.007 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

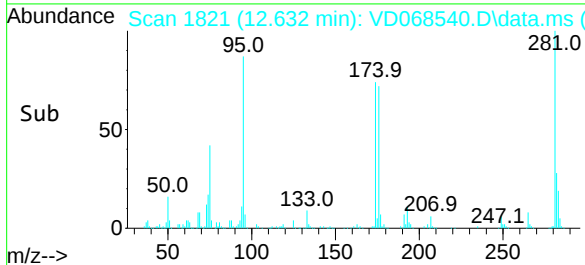
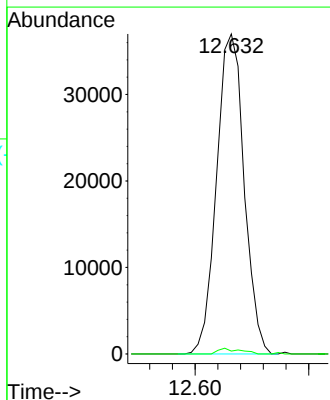
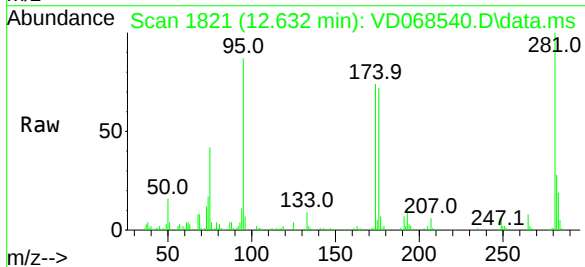
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

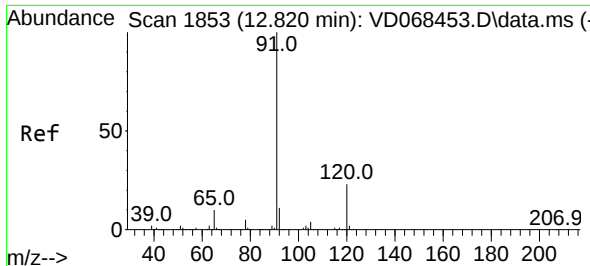
Tgt Ion:152 Resp: 84663
Ion Ratio Lower Upper
152 100
115 56.4 28.9 86.8
150 149.5 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 82.83 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Tgt Ion: 75 Resp: 62256
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

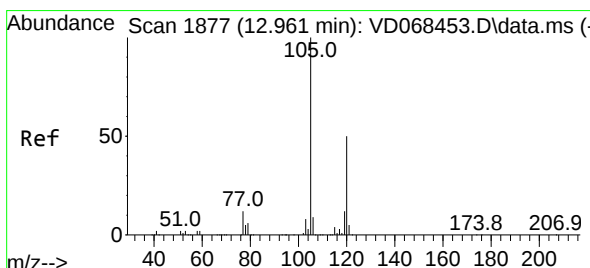
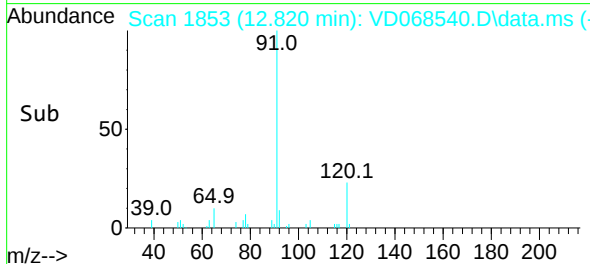
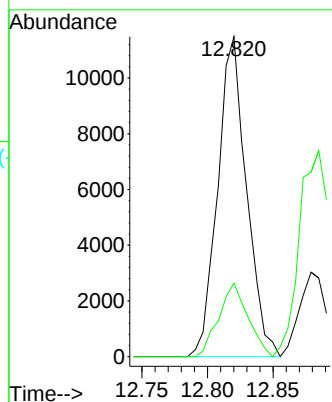
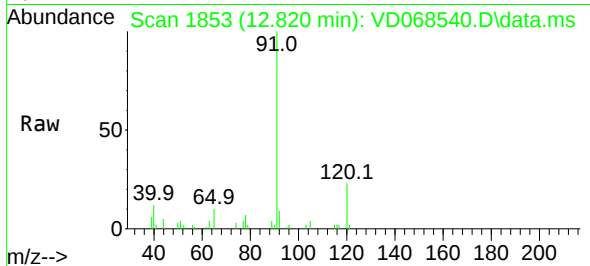




#78
n-propylbenzene
Concen: 2.33 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

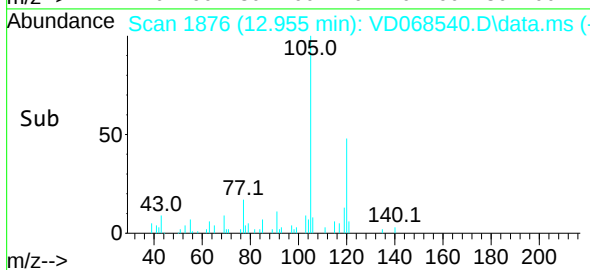
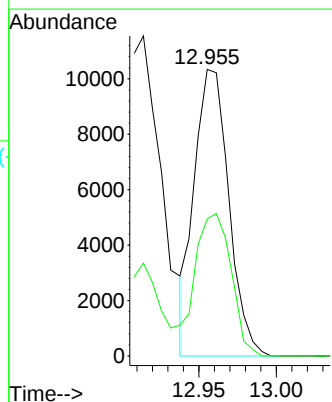
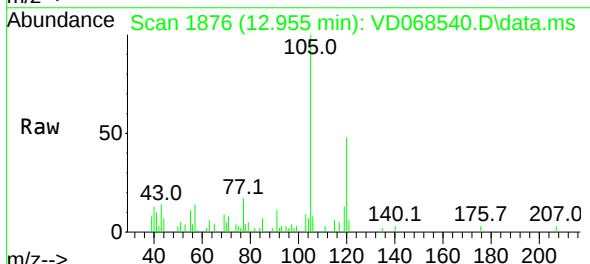
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

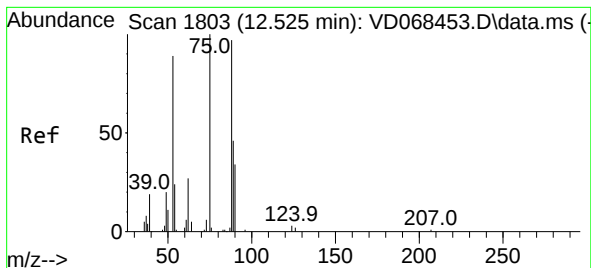
Tgt Ion: 91 Resp: 17499
Ion Ratio Lower Upper
91 100
120 23.3 12.0 36.0



#80
1,3,5-Trimethylbenzene
Concen: 3.11 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.005 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Tgt Ion: 105 Resp: 16015
Ion Ratio Lower Upper
105 100
120 53.5 24.2 72.6

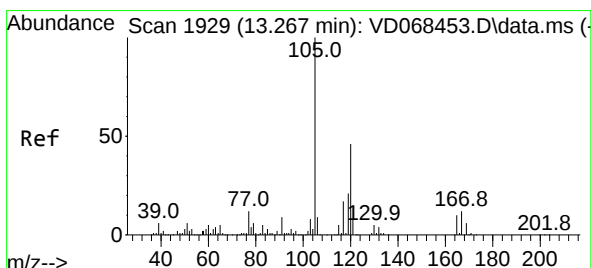
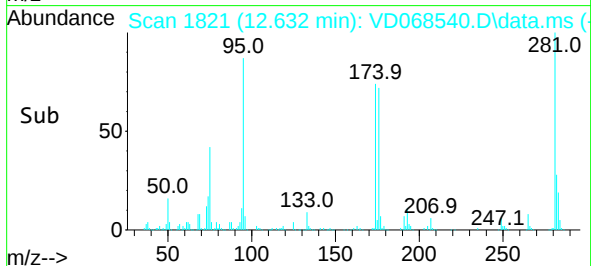
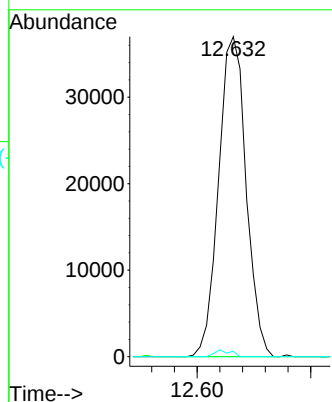
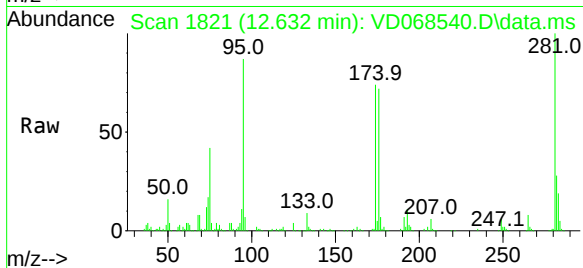




#81
trans-1,4-Dichloro-2-butene
Concen: 193.30 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

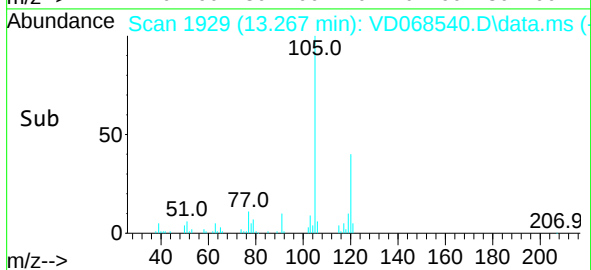
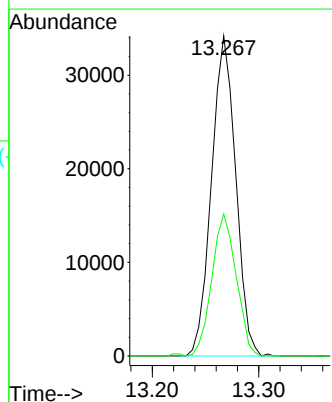
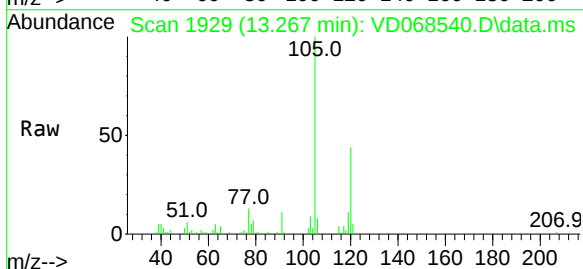
Instrument :
MSVOA_D
ClientSampled :
TP-1RE

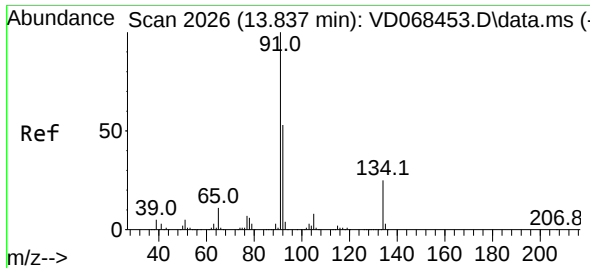
Tgt Ion: 75 Resp: 62256
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 1.2 40.3 60.5#



#84
1,2,4-Trimethylbenzene
Concen: 10.47 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.001 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Tgt Ion:105 Resp: 53978
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.0

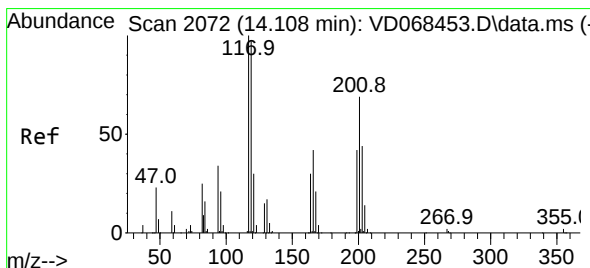
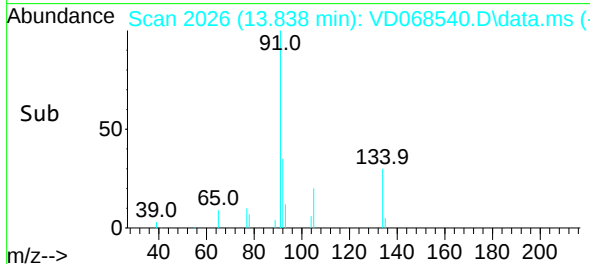
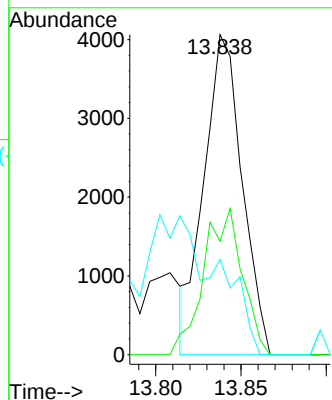
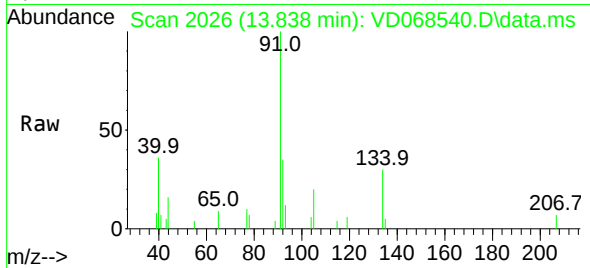




#89
n-Butylbenzene
Concen: 1.16 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. 0.000 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

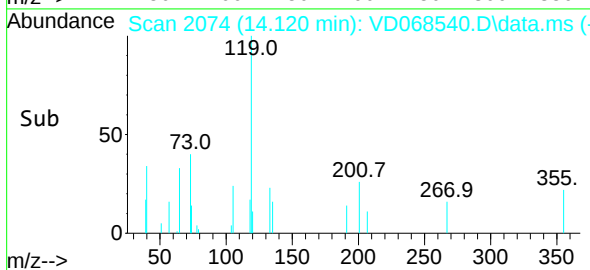
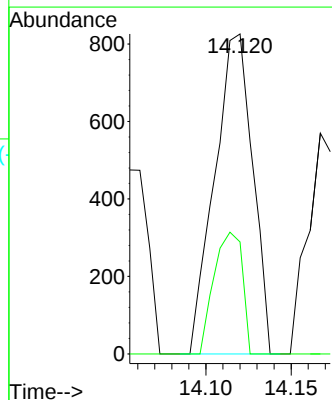
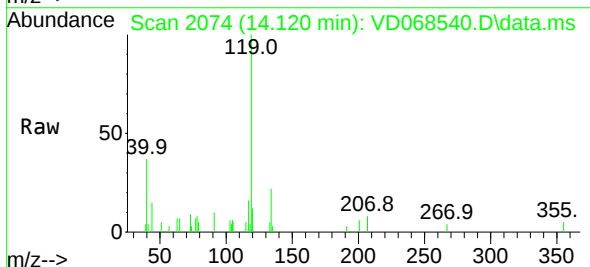
Instrument :
MSVOA_D
ClientSampled :
TP-1RE

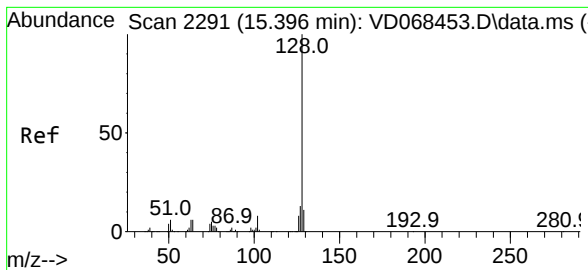
Tgt Ion: 91 Resp: 6312
Ion Ratio Lower Upper
91 100
92 46.3 27.2 81.6
134 0.0 13.9 41.7#



#90
Hexachloroethane
Concen: 1.15 ug/l
RT: 14.120 min Scan# 2074
Delta R.T. 0.012 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Tgt Ion: 117 Resp: 1280
Ion Ratio Lower Upper
117 100
201 28.4 39.5 118.5#





#95
Naphthalene
Concen: 1.11 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.006 min
Lab File: VD068540.D
Acq: 05 Mar 2021 13:00

Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

Tgt Ion:	128	Resp:	3672
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.2	15.2
129	12.3	8.8	13.2

