

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032621\
 Data File : VD068681.D
 Acq On : 26 Mar 2021 13:43
 Operator : VA/SY
 Sample : M1811-02
 Misc : 6.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 27 00:43:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

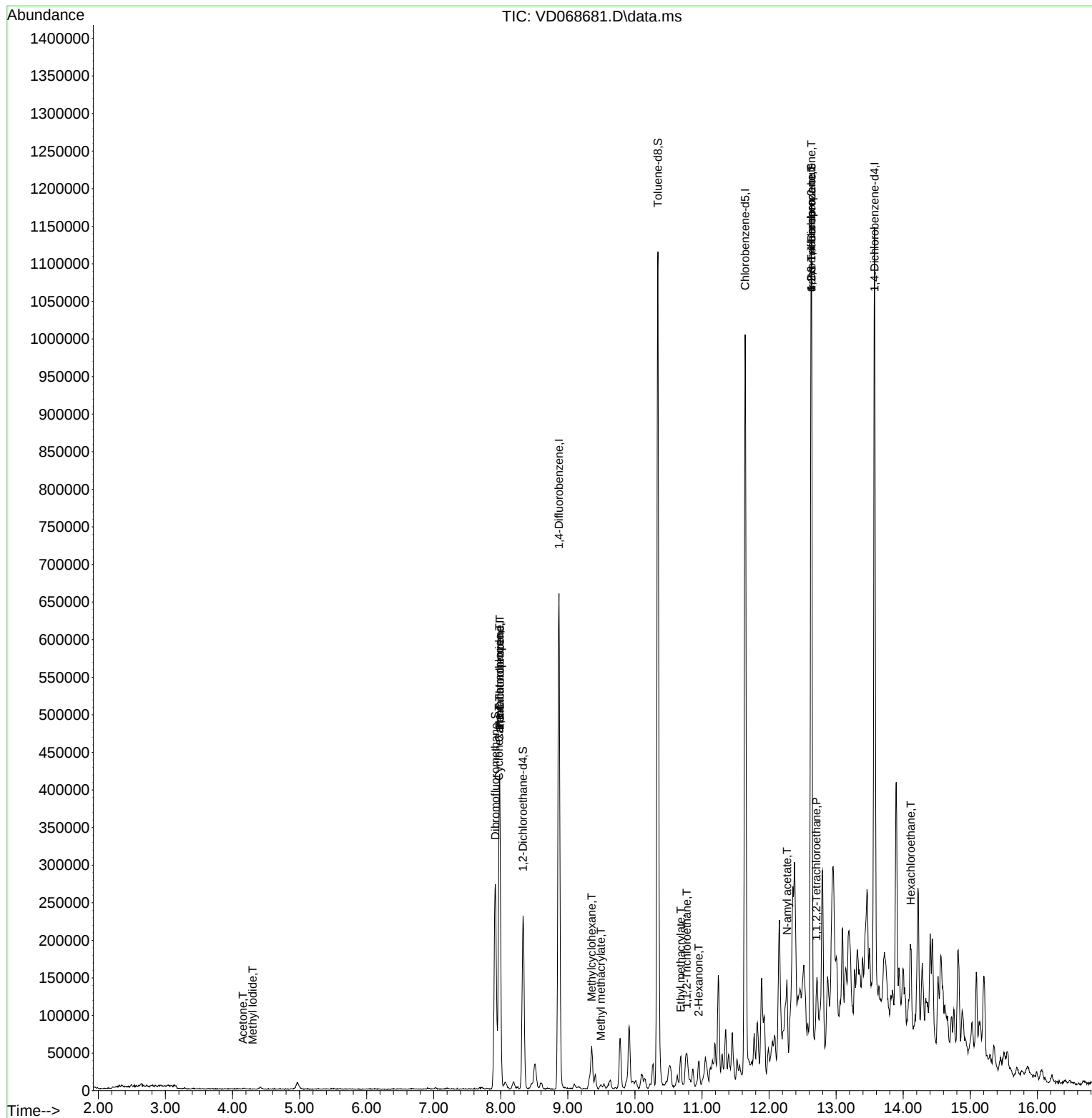
Internal Standards						
1) Pentafluorobenzene	7.985	168	312665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	591694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	594090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	290367	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	183095	58.07	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.14%			
35) Dibromofluoromethane	7.920	113	199628	54.23	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.46%			
50) Toluene-d8	10.344	98	761133	53.62	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.24%			
62) 4-Bromofluorobenzene	12.632	95	291190	63.28	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 126.56%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.303	142	77	3.49	ug/l #	41
16) Acetone	4.156	43	530	1.39	ug/l	97
20) Methylene Chloride	4.973	84	6883	Below Cal		88
31) Cyclohexane	7.973	56	9647	1.90	ug/l #	62
36) 1,1-Dichloropropene	7.985	75	24652	4.66	ug/l #	49
38) Carbon Tetrachloride	7.979	117	31986	6.06	ug/l #	16
39) Methylcyclohexane	9.355	83	19664	3.01	ug/l	97
48) Methyl methacrylate	9.491	41	1688	1.04	ug/l #	28
55) 1,1,2-Trichloroethane	10.773	97	12059	4.09	ug/l #	23
56) Ethyl methacrylate	10.685	69	3755	1.18	ug/l #	1
59) 2-Hexanone	10.949	43	11829	10.58	ug/l #	25
74) N-amyl acetate	12.267	43	22661	6.81	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.708	83	5441	1.54	ug/l #	92
76) 1,2,3-Trichloropropane	12.632	75	142293	58.88	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	142293	133.95	ug/l #	18
90) Hexachloroethane	14.114	117	6249	1.91	ug/l #	14

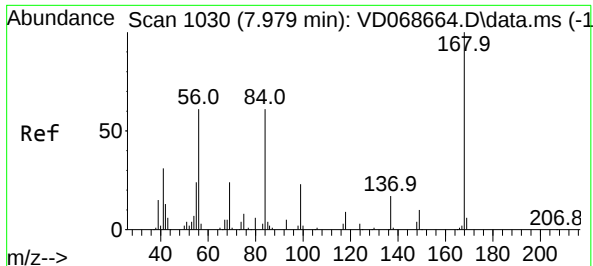
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 27 00:43:23 2021
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Quant Title : SW846 8260
QLast Update : Sat Mar 20 02:00:55 2021
Response via : Initial Calibration

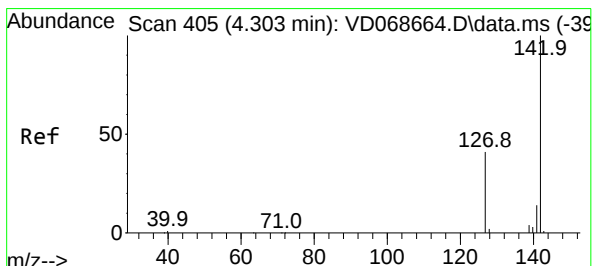
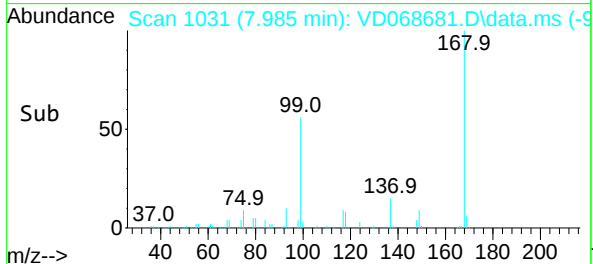
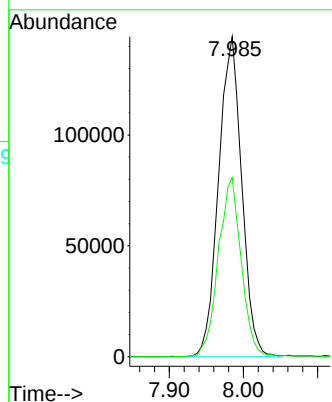
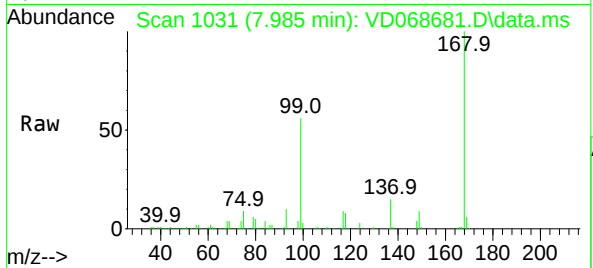




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

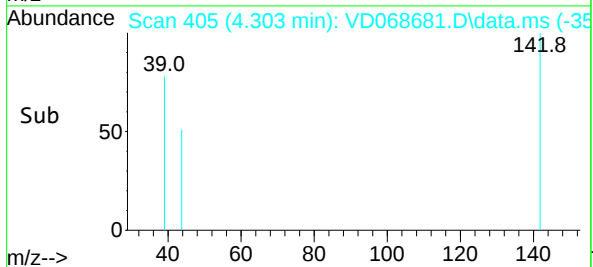
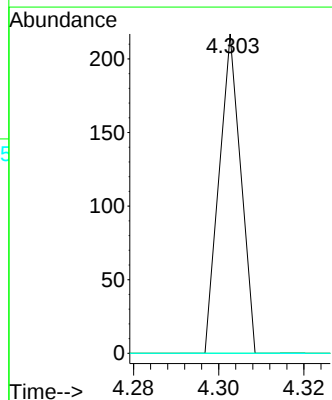
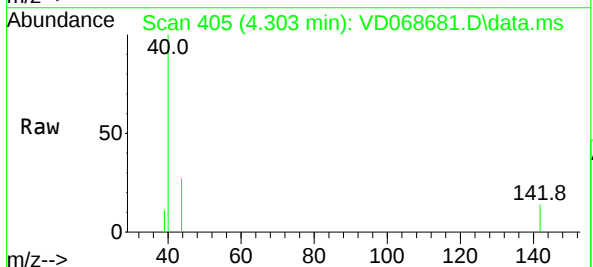
Instrument :
MSVOA_D
ClientSampled :

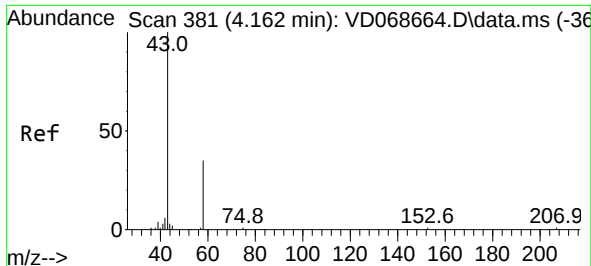
Tgt Ion:168 Resp: 312665
Ion Ratio Lower Upper
168 100
99 56.0 46.2 69.2



#10
Methyl Iodide
Concen: 3.49 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

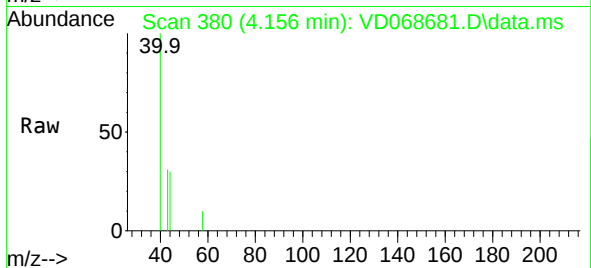
Tgt Ion:142 Resp: 77
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#



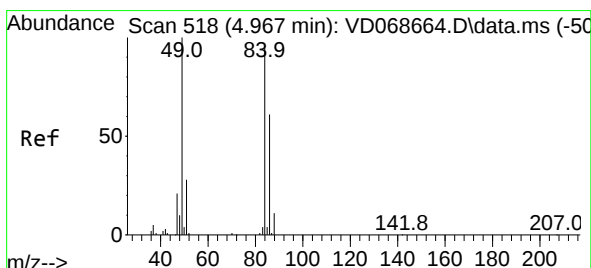
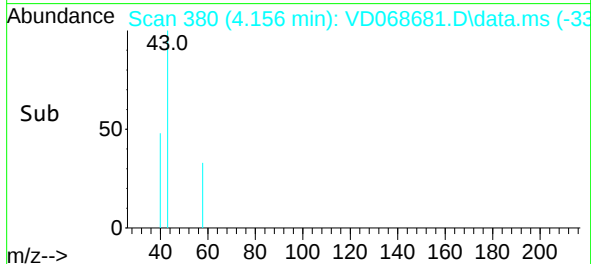
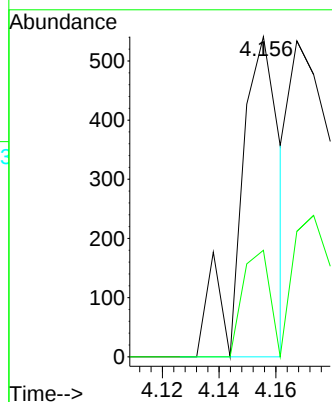


#16
Acetone
Concen: 1.39 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

Instrument :
MSVOA_D
ClientSampled :

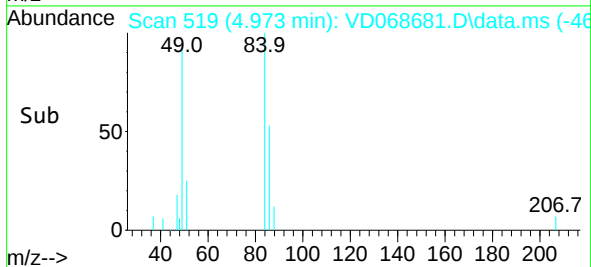
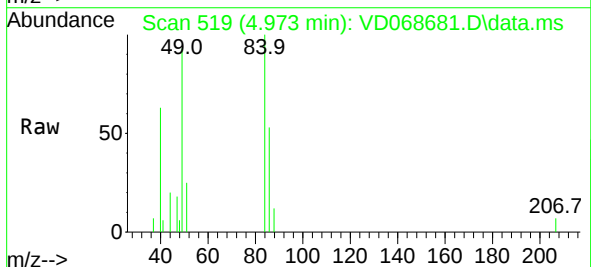
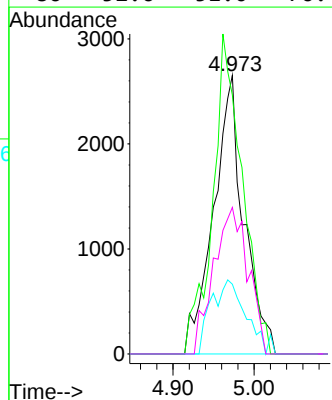


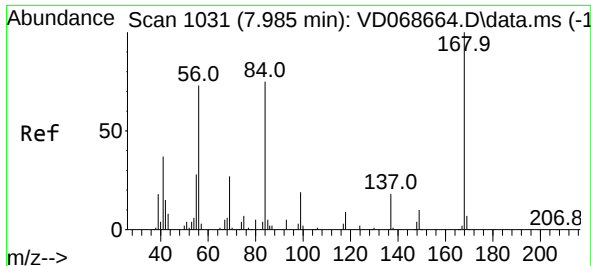
Tgt Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
58 33.3 28.0 42.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

Tgt Ion: 84 Resp: 6883
Ion Ratio Lower Upper
84 100
49 93.0 83.4 125.0
51 25.0 23.4 35.2
86 52.6 51.0 76.4

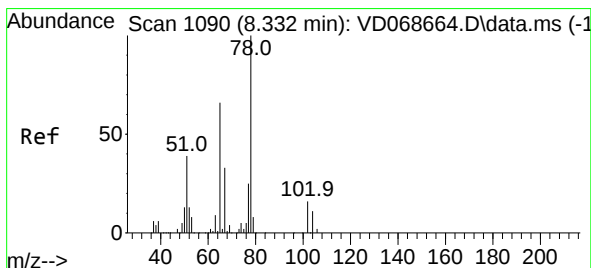
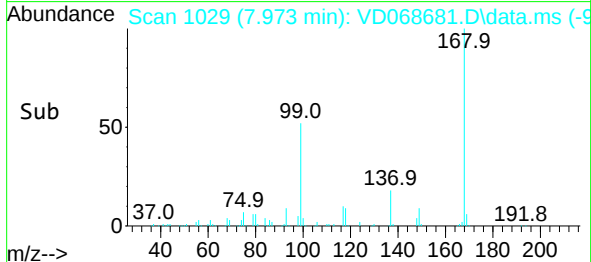
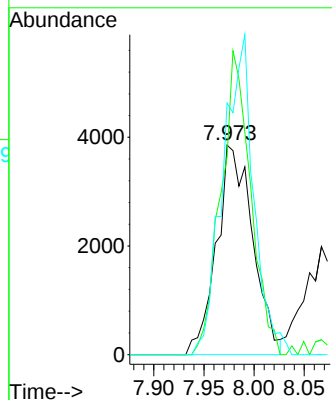
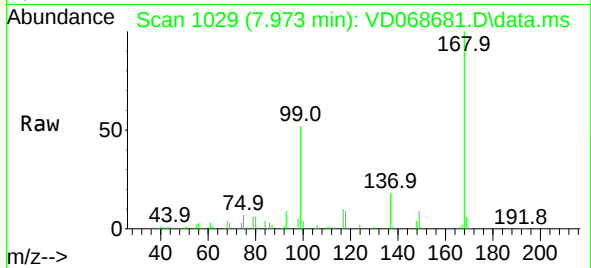




#31
Cyclohexane
Concen: 1.90 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

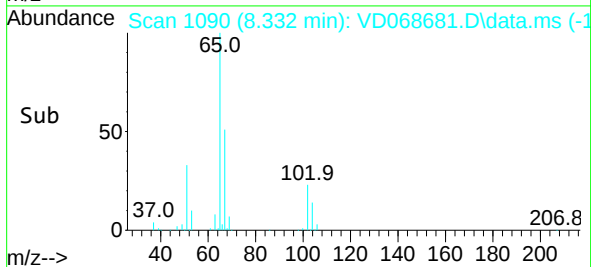
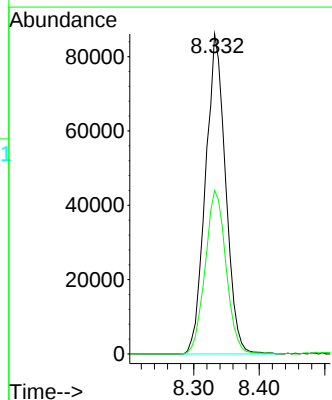
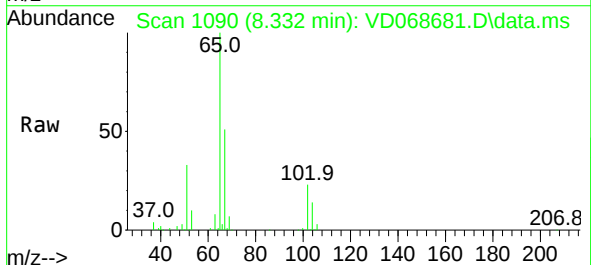
Instrument :
MSVOA_D
ClientSampleId :

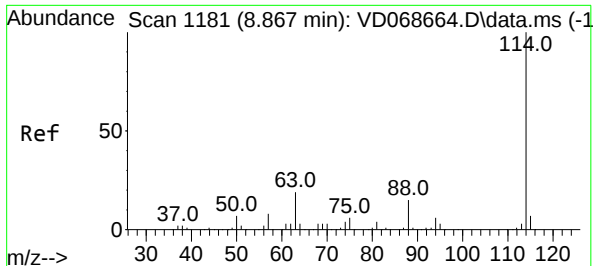
Tgt Ion: 56 Resp: 9647
Ion Ratio Lower Upper
56 100
69 94.3 30.0 45.0#
84 120.1 82.0 123.0



#33
1,2-Dichloroethane-d4
Concen: 58.07 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

Tgt Ion: 65 Resp: 183095
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.0

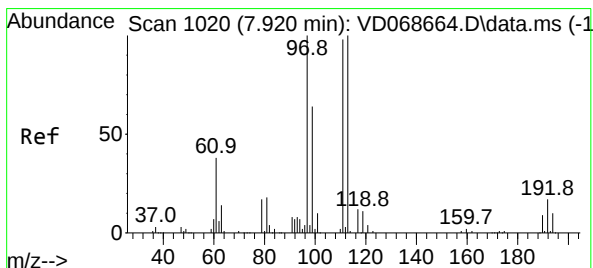
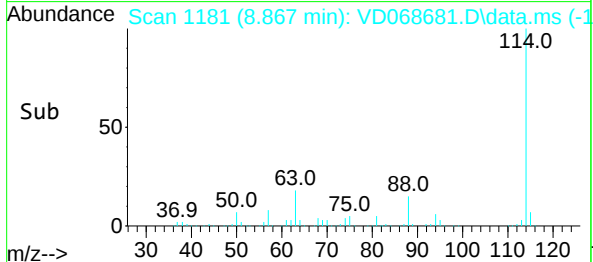
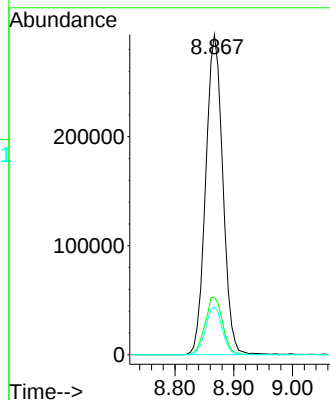
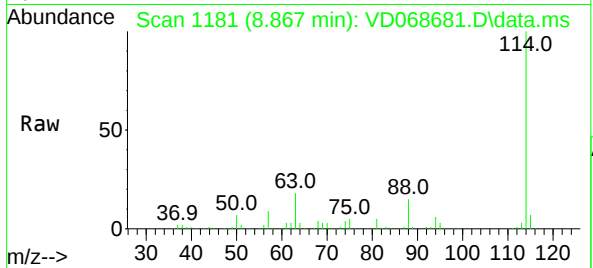




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

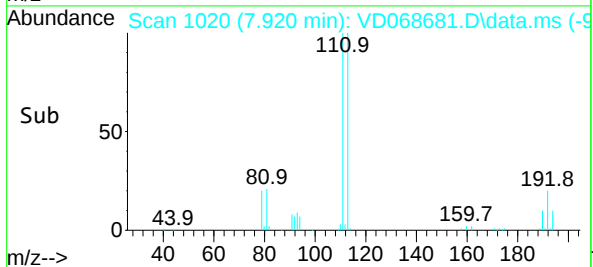
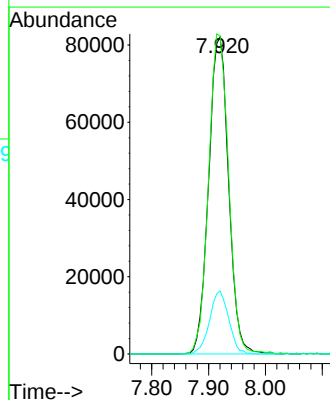
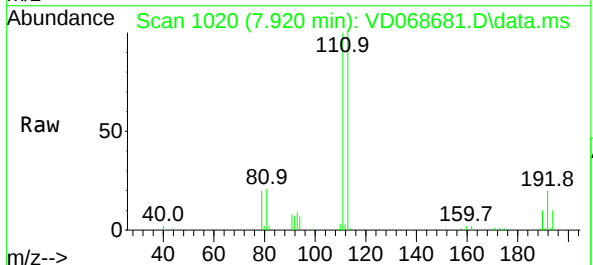
Instrument :
MSVOA_D
ClientSampled :

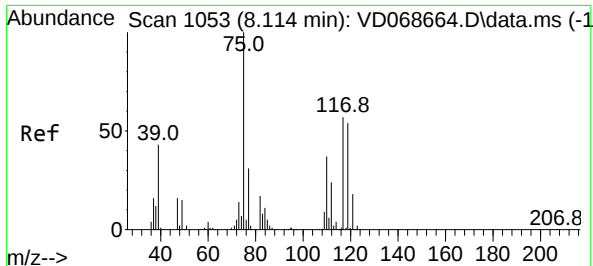
Tgt Ion:114 Resp: 591694
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.2
88 14.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 54.23 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

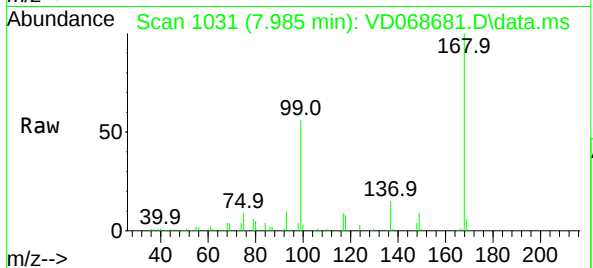
Tgt Ion:113 Resp: 199628
Ion Ratio Lower Upper
113 100
111 101.4 82.5 123.7
192 19.1 15.1 22.7



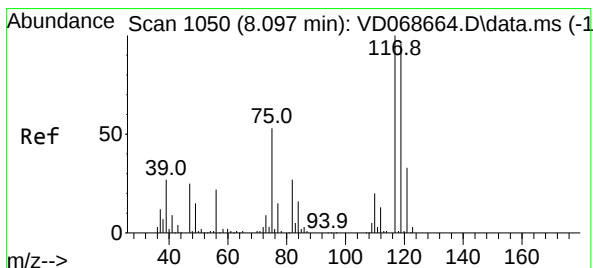
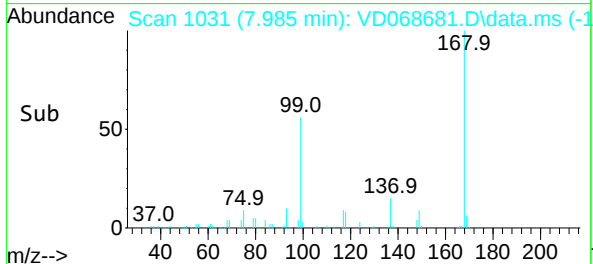
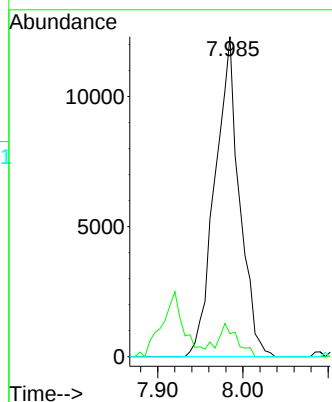


#36
1,1-Dichloropropene
Concen: 4.66 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.130 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

Instrument :
MSVOA_D
ClientSampled :

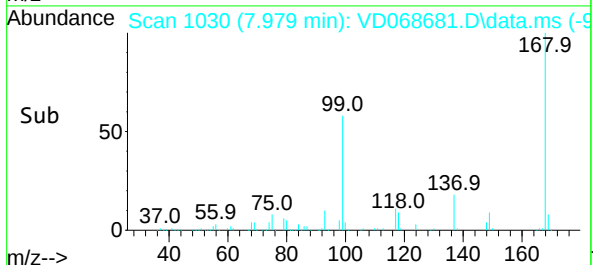
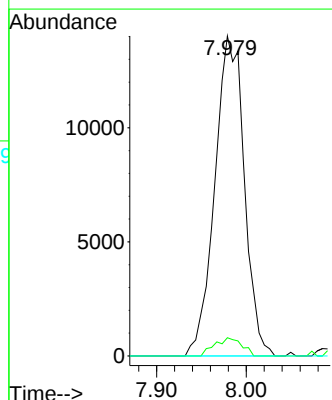
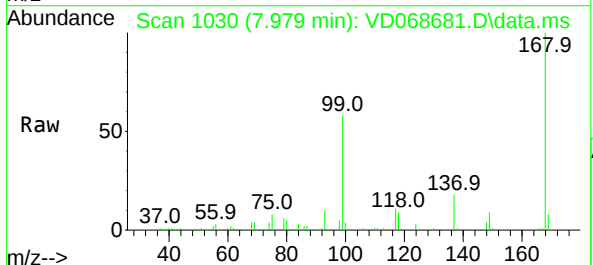


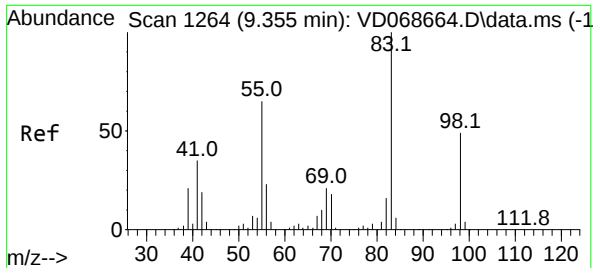
Tgt Ion: 75 Resp: 24652
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.06 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

Tgt Ion: 117 Resp: 31986
Ion Ratio Lower Upper
117 100
119 5.7 76.6 115.0#
121 0.0 26.1 39.1#





#39

Methylcyclohexane

Concen: 3.01 ug/l

RT: 9.355 min Scan# 1264

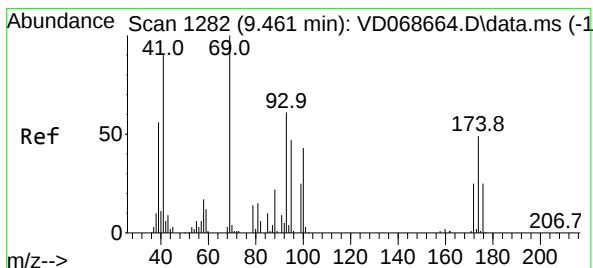
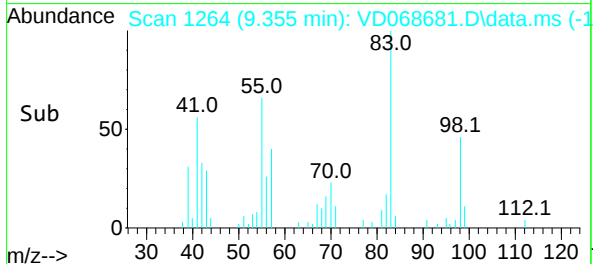
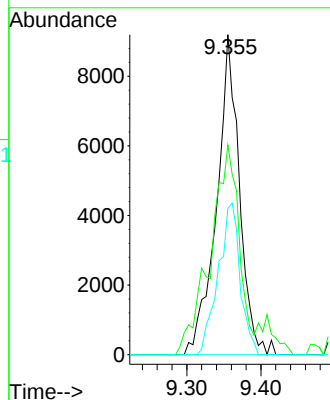
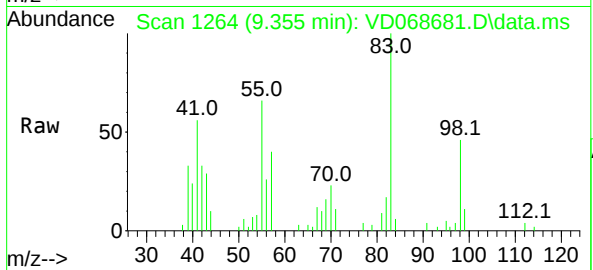
Delta R.T. -0.000 min

Lab File: VD068681.D

Acq: 26 Mar 2021 13:43

Tgt Ion: 83 Resp: 19664

Ion	Ratio	Lower	Upper
83	100		
55	63.1	51.7	77.5
98	45.8	38.8	58.2



#48

Methyl methacrylate

Concen: 1.04 ug/l

RT: 9.491 min Scan# 1287

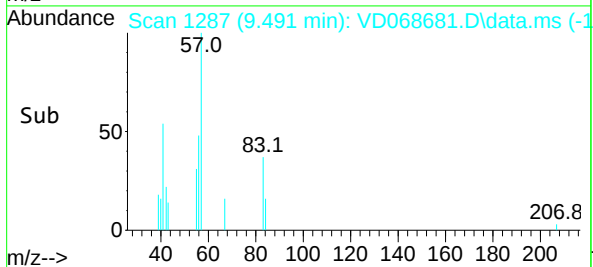
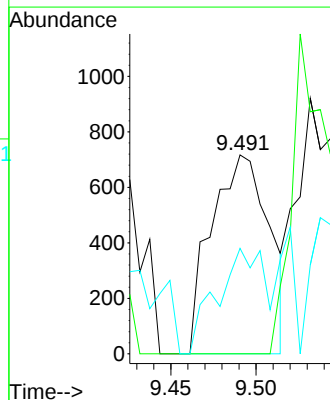
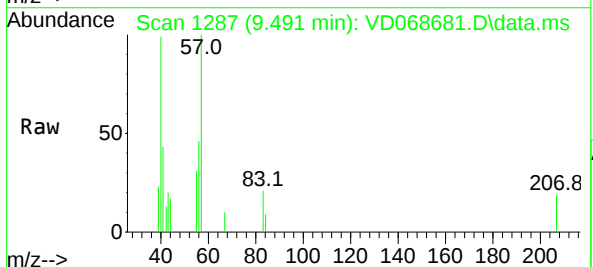
Delta R.T. 0.029 min

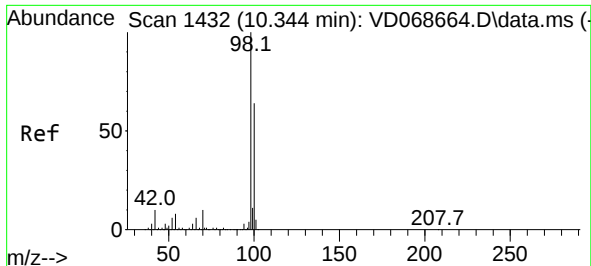
Lab File: VD068681.D

Acq: 26 Mar 2021 13:43

Tgt Ion: 41 Resp: 1688

Ion	Ratio	Lower	Upper
41	100		
69	0.0	83.0	124.6#
39	43.4	47.0	70.6#

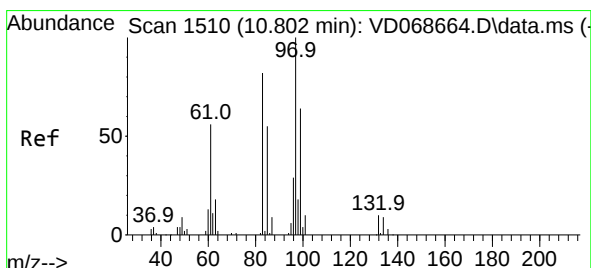
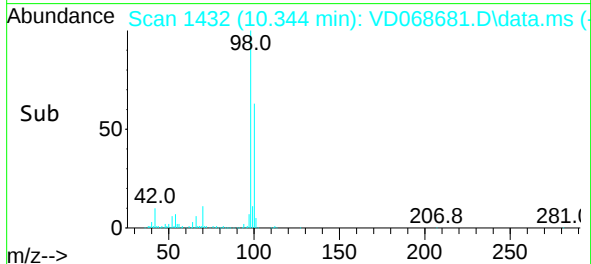
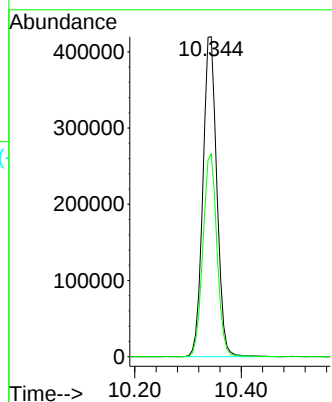
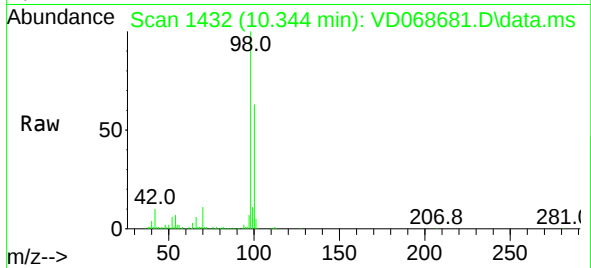




#50
Toluene-d8
Concen: 53.62 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

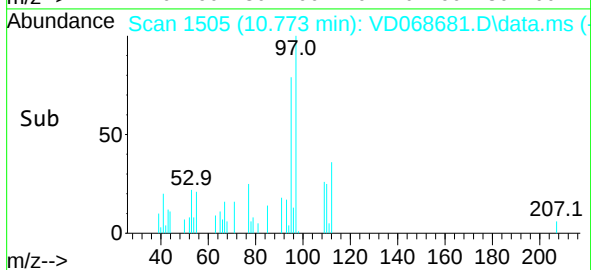
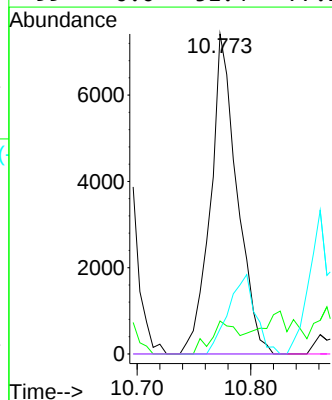
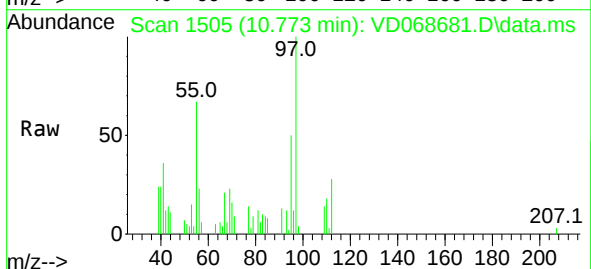
Instrument :
MSVOA_D
ClientSampled :

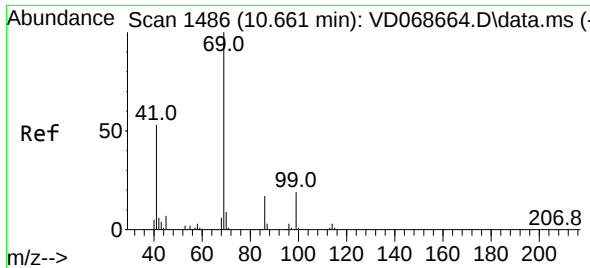
Tgt Ion: 98 Resp: 761133
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 4.09 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.030 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

Tgt Ion: 97 Resp: 12059
Ion Ratio Lower Upper
97 100
83 10.3 65.7 98.5#
85 7.8 44.3 66.5#
99 0.0 51.4 77.2#

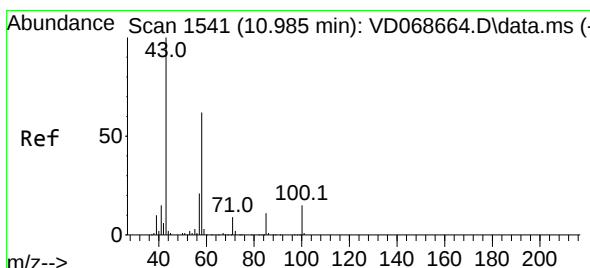
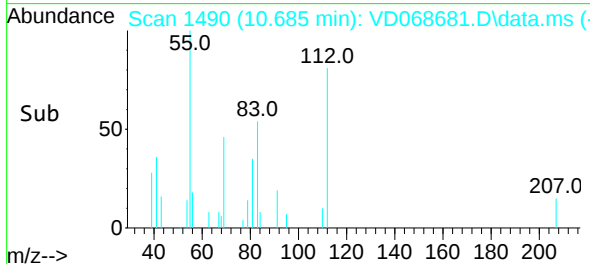
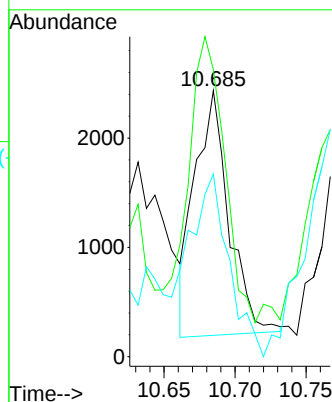
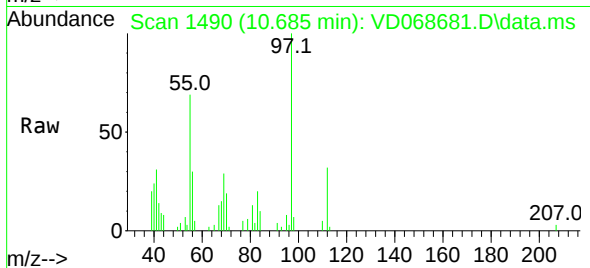




#56
Ethyl methacrylate
Concen: 1.18 ug/l
RT: 10.685 min Scan# 1490
Delta R.T. 0.023 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

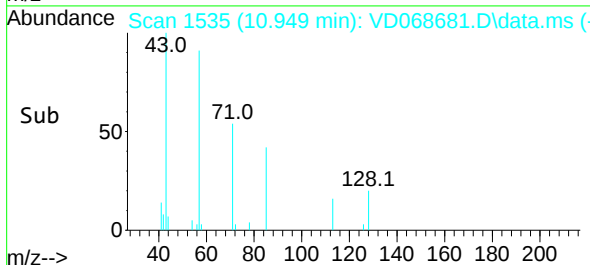
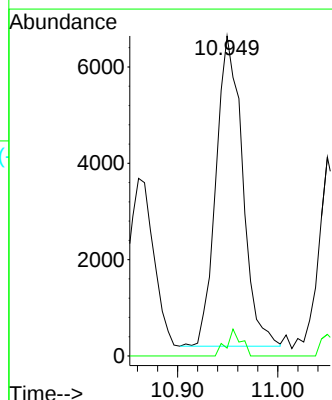
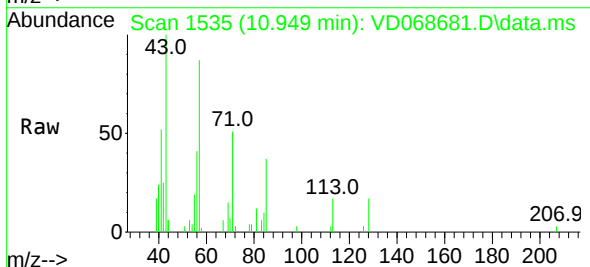
Instrument :
MSVOA_D
ClientSampled :

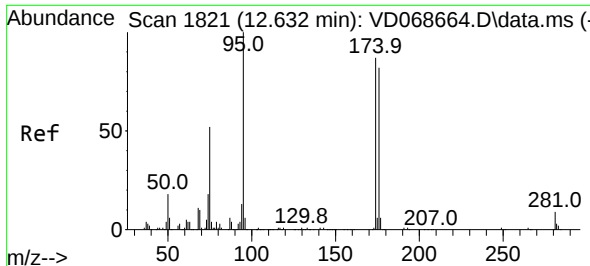
Tgt Ion: 69 Resp: 3755
Ion Ratio Lower Upper
69 100
41 135.6 42.2 63.4#
39 86.1 24.2 36.2#



#59
2-Hexanone
Concen: 10.58 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

Tgt Ion: 43 Resp: 11829
Ion Ratio Lower Upper
43 100
58 4.7 31.3 93.8#

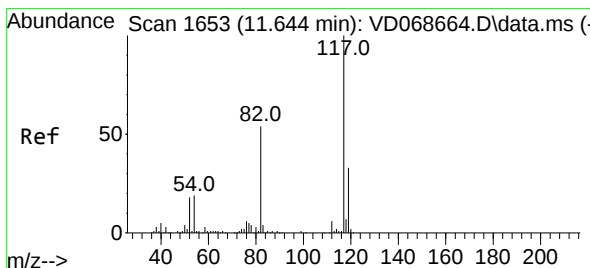
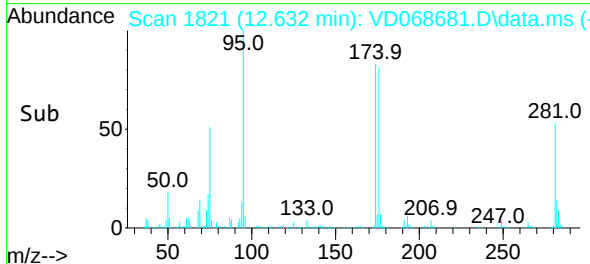
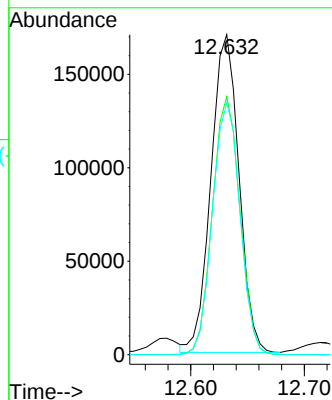
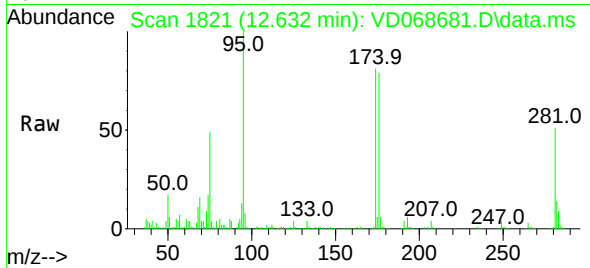




#62
4-Bromofluorobenzene
Concen: 63.28 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

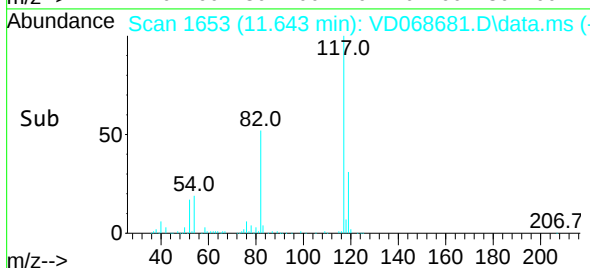
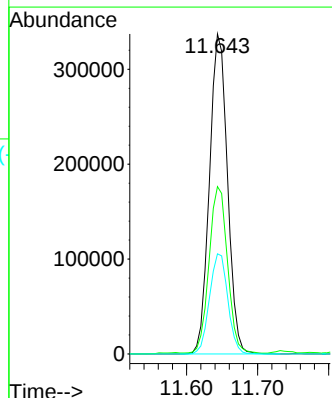
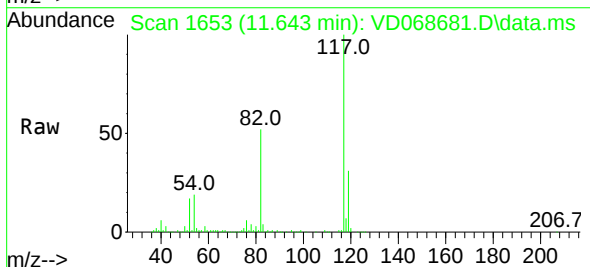
Instrument :
MSVOA_D
ClientSampleId :

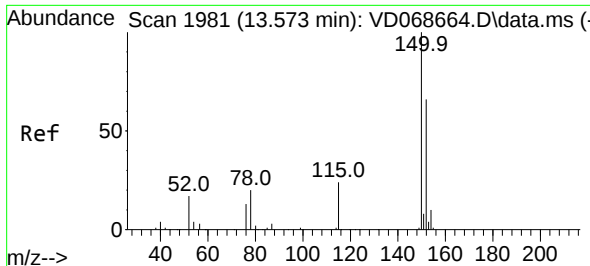
Tgt Ion: 95 Resp: 291190
Ion Ratio Lower Upper
95 100
174 79.8 0.0 168.0
176 78.0 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

Tgt Ion:117 Resp: 594090
Ion Ratio Lower Upper
117 100
82 52.0 43.5 65.3
119 31.3 26.7 40.1

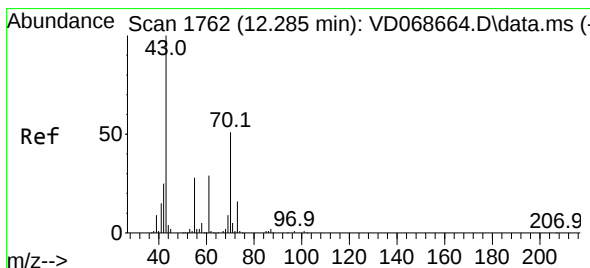
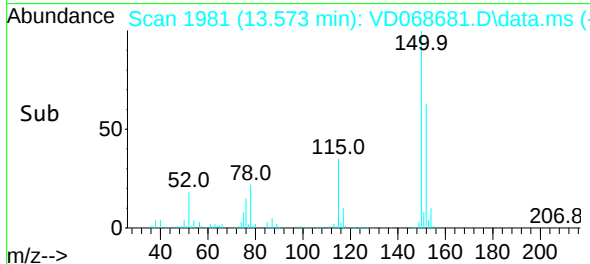
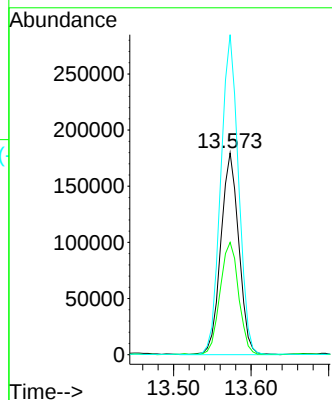
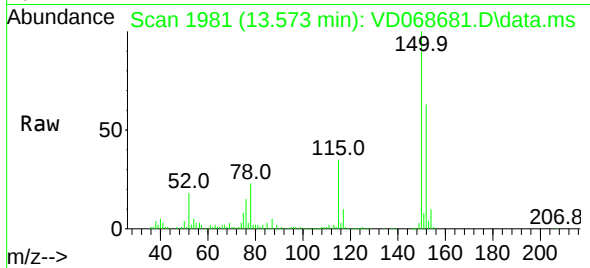




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

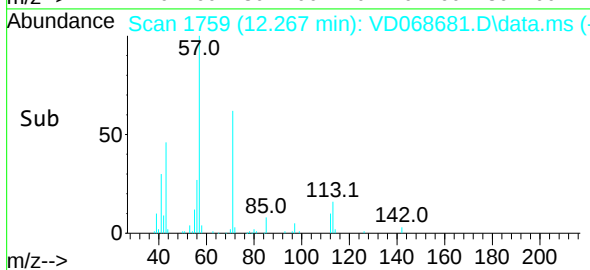
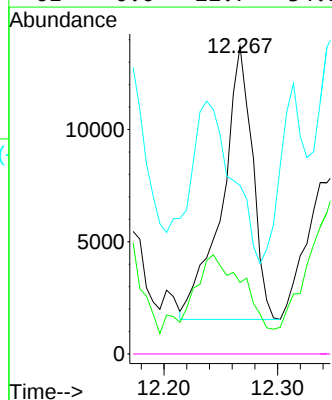
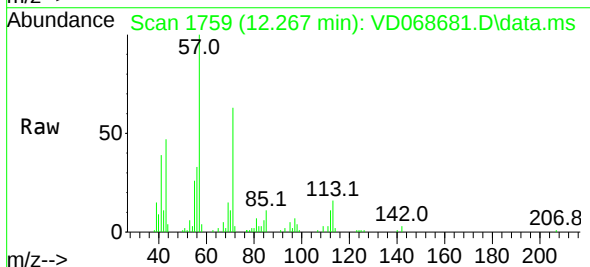
Instrument :
MSVOA_D
ClientSampled :

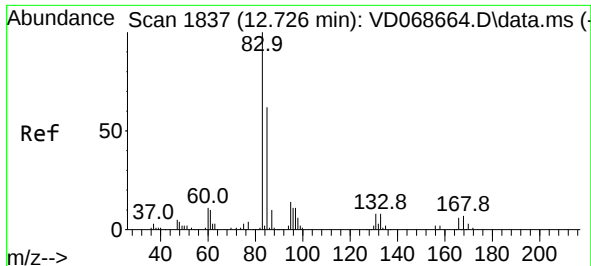
Tgt Ion:152 Resp: 290367
Ion Ratio Lower Upper
152 100
115 57.0 29.3 87.8
150 156.2 0.0 347.6



#74
N-ethyl acetate
Concen: 6.81 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

Tgt Ion: 43 Resp: 22661
Ion Ratio Lower Upper
43 100
70 0.0 41.9 62.9#
55 0.0 22.8 34.2#
61 0.0 22.7 34.1#

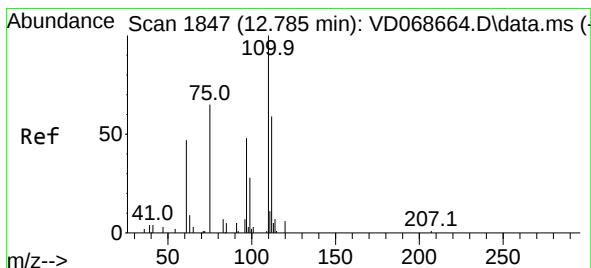
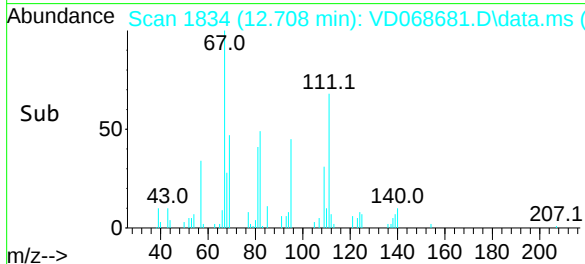
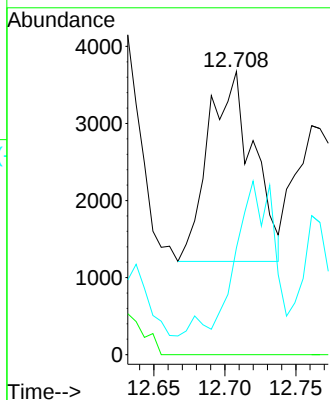
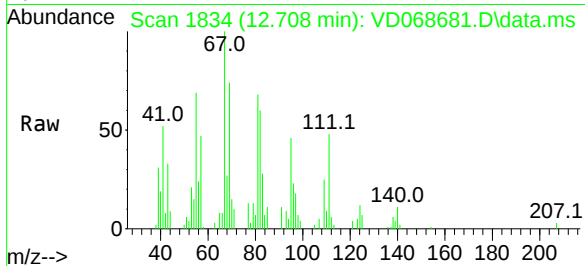




#75
1,1,2,2-Tetrachloroethane
Concen: 1.54 ug/l
RT: 12.708 min Scan# 1834
Delta R.T. -0.018 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

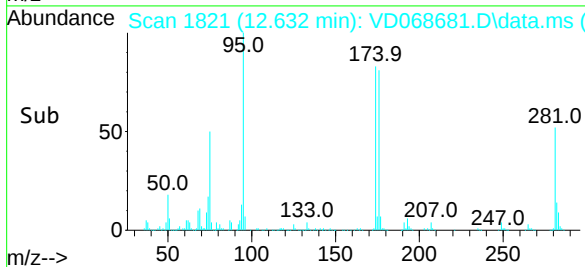
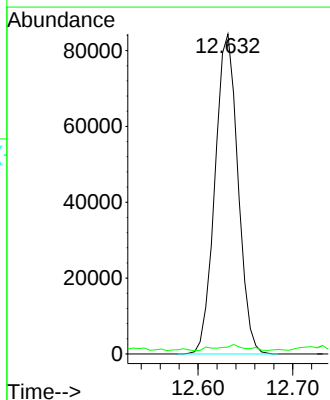
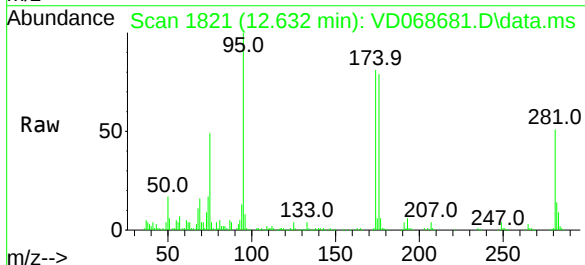
Instrument :
MSVOA_D
ClientSampleId :

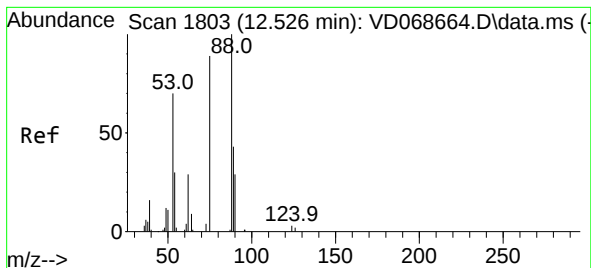
Tgt Ion: 83 Resp: 5441
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 60.1 32.0 96.0



#76
1,2,3-Trichloropropane
Concen: 58.88 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

Tgt Ion: 75 Resp: 142293
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#

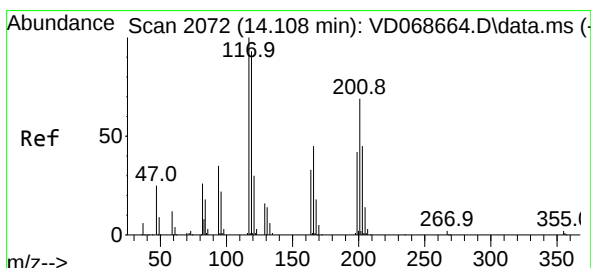
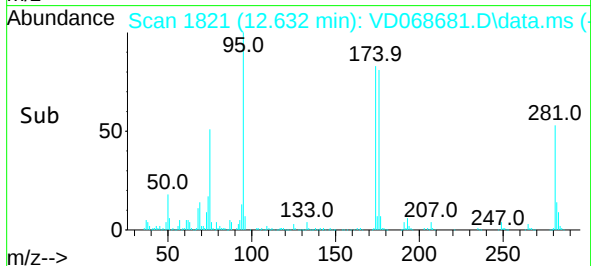
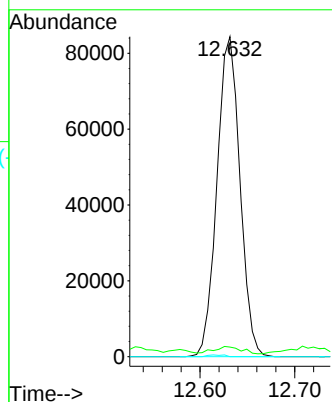
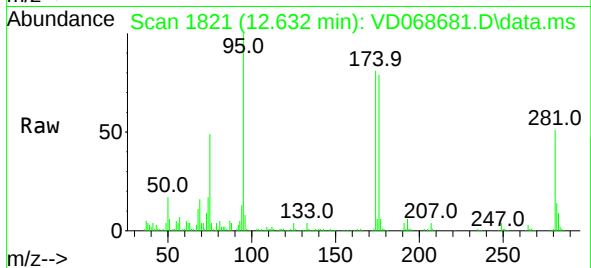




#81
trans-1,4-Dichloro-2-butene
Concen: 133.95 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 142293
Ion Ratio Lower Upper
75 100
53 2.7 66.8 100.2#
89 0.4 36.6 54.8#



#90
Hexachloroethane
Concen: 1.91 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VD068681.D
Acq: 26 Mar 2021 13:43

Tgt Ion: 117 Resp: 6249
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.2#

