

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041621\
 Data File : VD068878.D
 Acq On : 16 Apr 2021 16:22
 Operator : VA/SY
 Sample : M2049-18
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-13.5-14.0

Quant Time: Apr 16 23:50:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

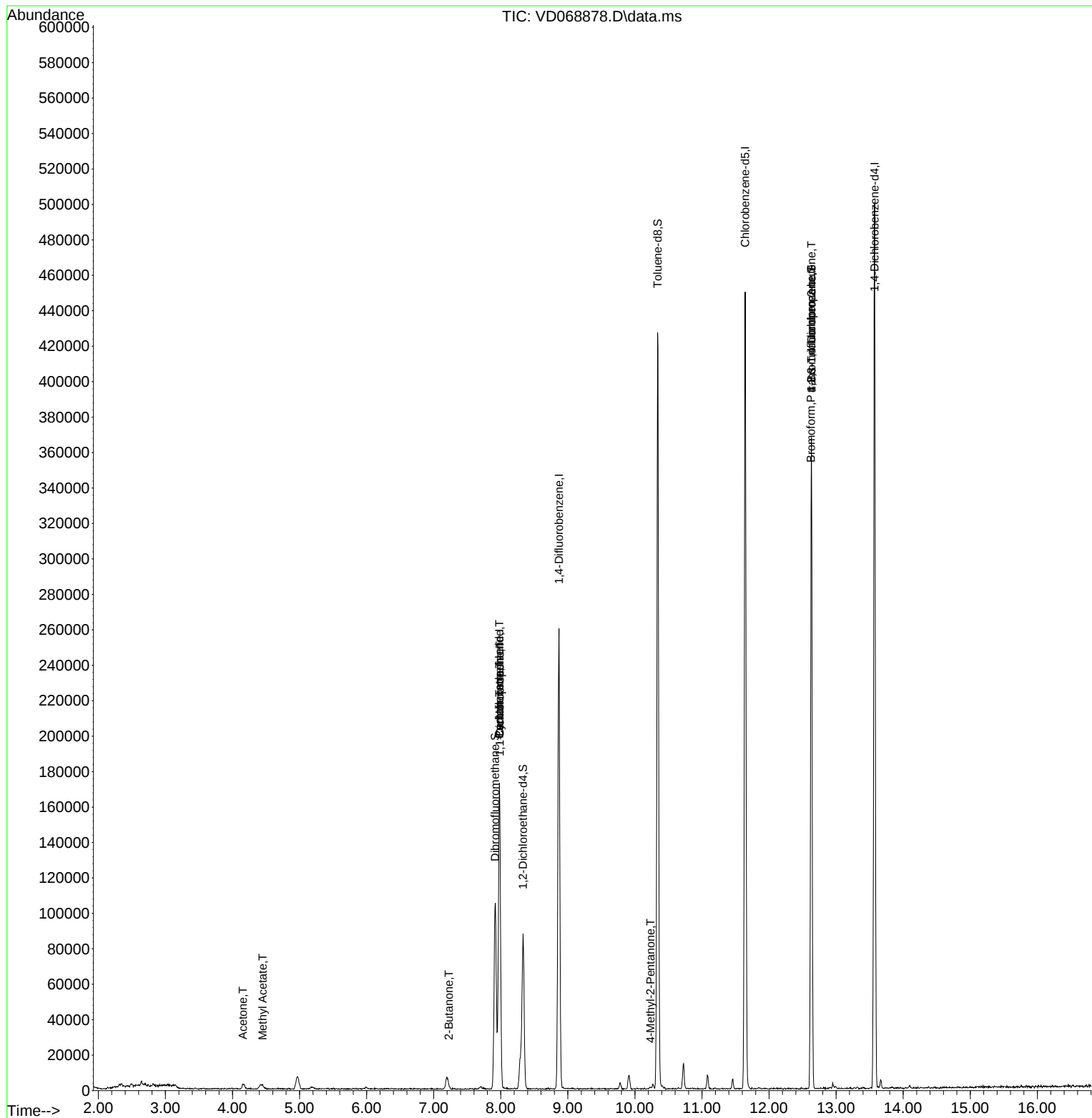
Internal Standards						
1) Pentafluorobenzene	7.979	168	130121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	232226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	266148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	135382	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	67428	49.03	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.06%		
35) Dibromofluoromethane	7.914	113	77462	51.28	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.56%		
50) Toluene-d8	10.338	98	298652	52.41	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.82%		
62) 4-Bromofluorobenzene	12.632	95	114044	60.26	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	120.52%		
Target Compounds						
11) Tert butyl alcohol	5.203	59	396	Below Cal	#	73
16) Acetone	4.156	43	4840	25.42	ug/l	89
18) Methyl Acetate	4.450	43	950	1.82	ug/l	# 43
20) Methylene Chloride	4.961	84	6716	Below Cal	#	70
25) 2-Butanone	7.226	43	1147	4.26	ug/l	91
31) Cyclohexane	7.979	56	2617	1.14	ug/l	# 34
36) 1,1-Dichloropropene	7.985	75	9562	4.07	ug/l	# 48
38) Carbon Tetrachloride	7.979	117	12842	5.52	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.232	43	763	1.08	ug/l	91
71) Bromoform	12.626	173	1117	1.01	ug/l	# 29
76) 1,2,3-Trichloropropane	12.632	75	57313	46.34	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	57313	107.54	ug/l	# 16

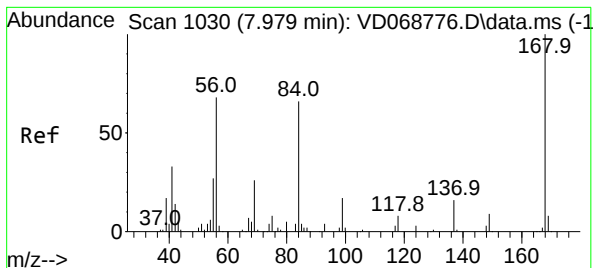
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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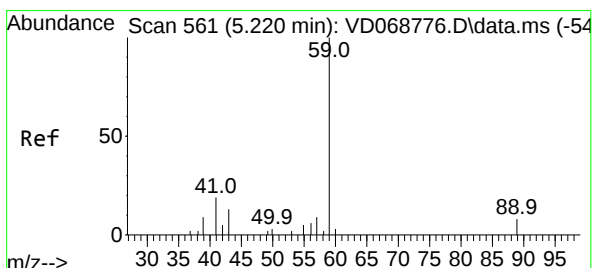
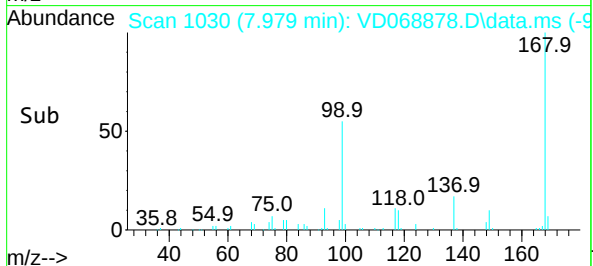
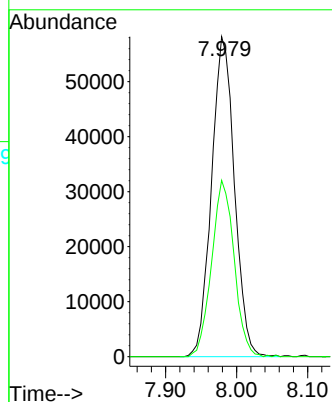
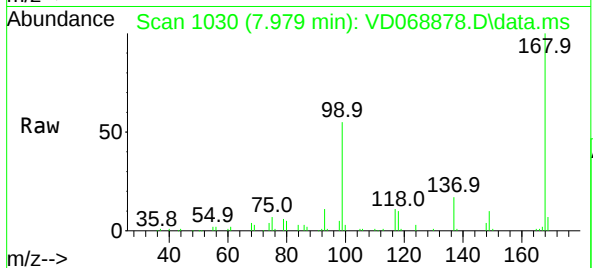




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068878.D
Acq: 16 Apr 2021 16:22

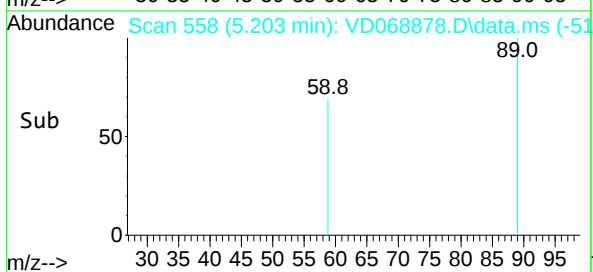
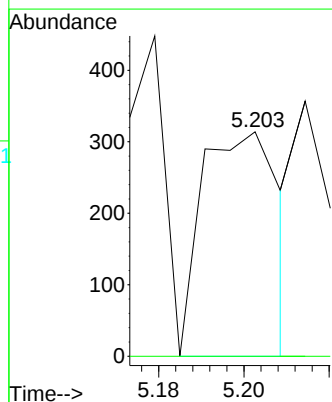
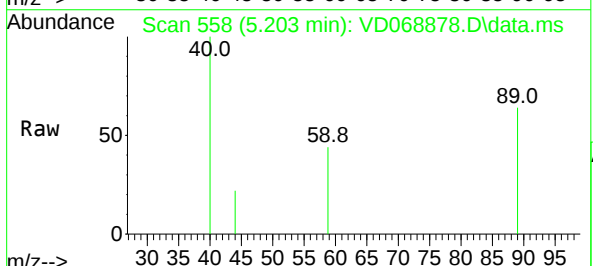
Instrument :
MSVOA_D
ClientSampleId :
SB-12-13.5-14.0

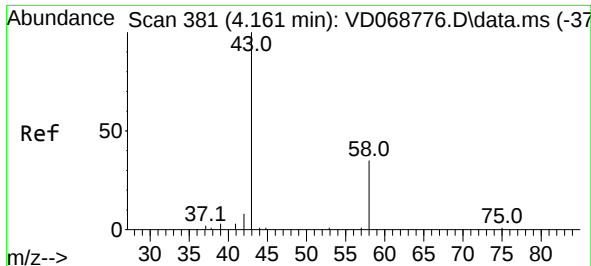
Tgt Ion:168 Resp: 130121
Ion Ratio Lower Upper
168 100
99 55.1 46.2 69.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD068878.D
Acq: 16 Apr 2021 16:22

Tgt Ion: 59 Resp: 396
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

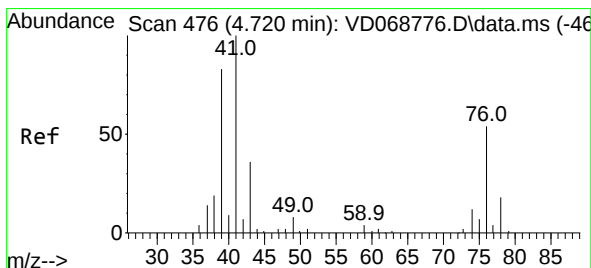
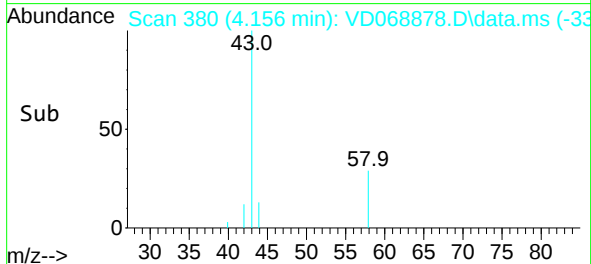
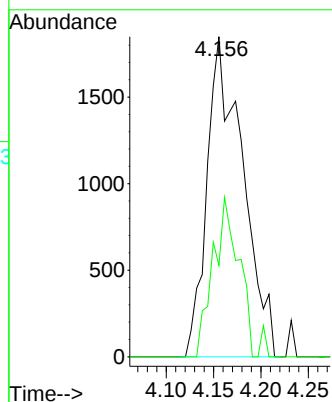
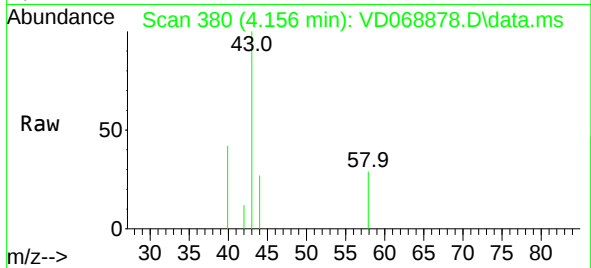




#16
Acetone
Concen: 25.42 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.005 min
Lab File: VD068878.D
Acq: 16 Apr 2021 16:22

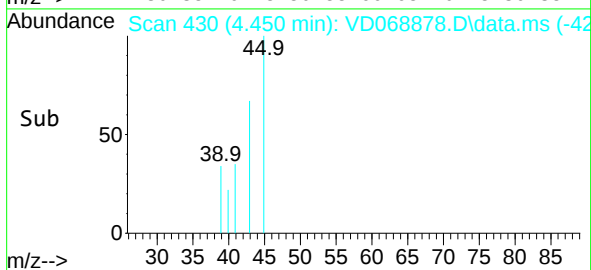
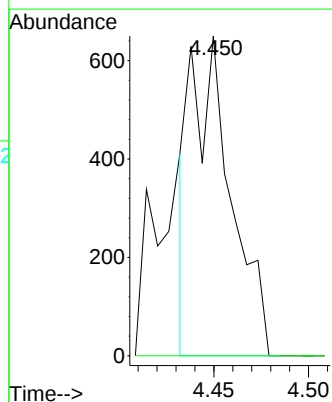
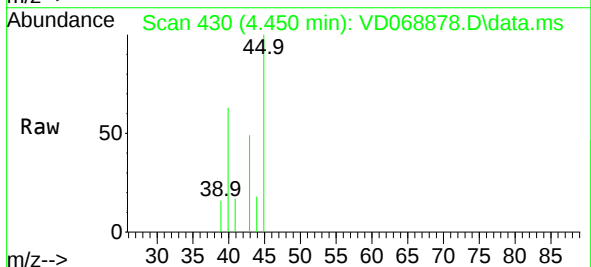
Instrument :
MSVOA_D
ClientSampleId :
SB-12-13.5-14.0

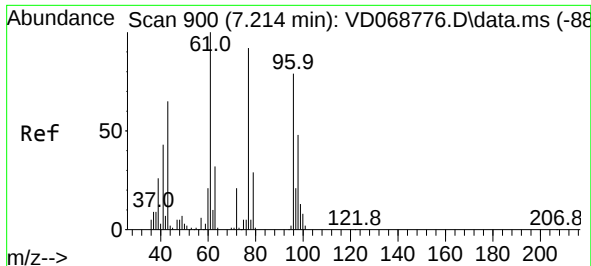
Tgt Ion: 43 Resp: 4840
Ion Ratio Lower Upper
43 100
58 28.5 28.0 42.0



#18
Methyl Acetate
Concen: 1.82 ug/l
RT: 4.450 min Scan# 430
Delta R.T. -0.270 min
Lab File: VD068878.D
Acq: 16 Apr 2021 16:22

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.2#





#25

2-Butanone

Concen: 4.26 ug/l

RT: 7.226 min Scan# 902

Delta R.T. 0.012 min

Lab File: VD068878.D

Acq: 16 Apr 2021 16:22

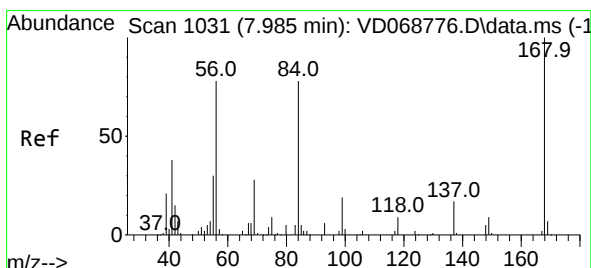
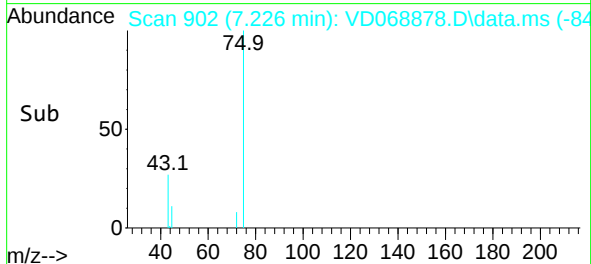
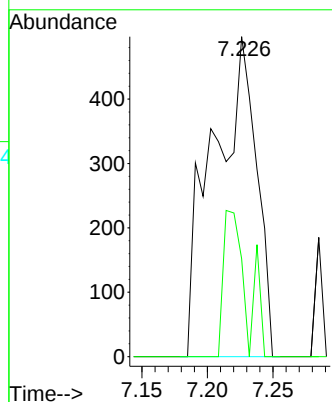
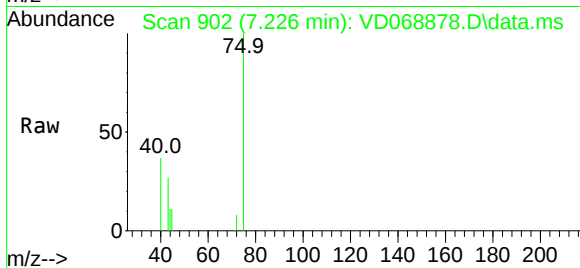
Instrument :
MSVOA_D
ClientSampleId :
SB-12-13.5-14.0

Tgt Ion: 43 Resp: 1147

Ion Ratio Lower Upper

43 100

72 30.6 28.6 43.0



#31

Cyclohexane

Concen: 1.14 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD068878.D

Acq: 16 Apr 2021 16:22

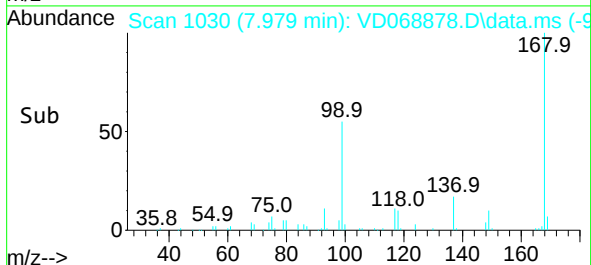
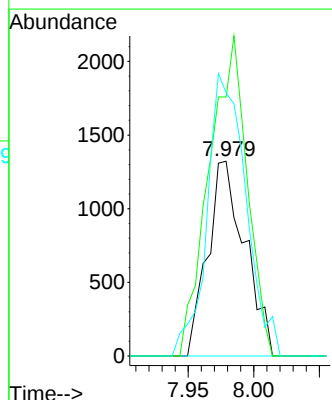
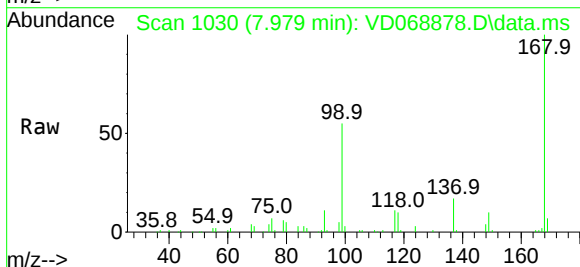
Tgt Ion: 56 Resp: 2617

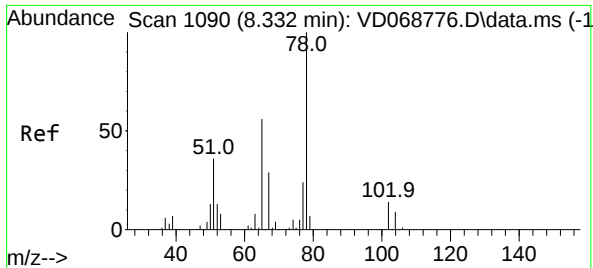
Ion Ratio Lower Upper

56 100

69 133.0 30.0 45.0#

84 135.1 82.0 123.0#

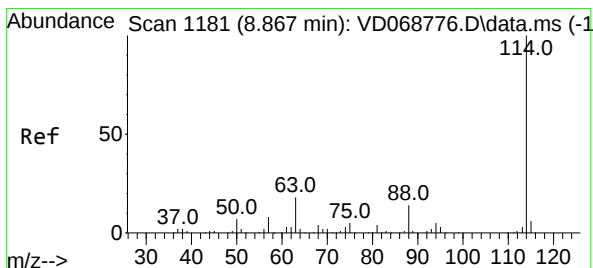
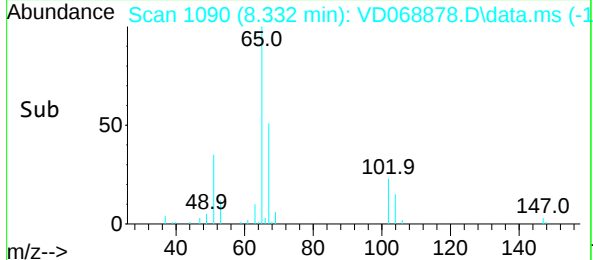
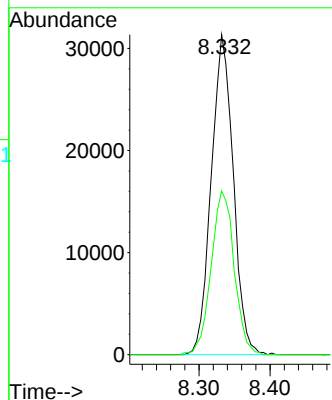
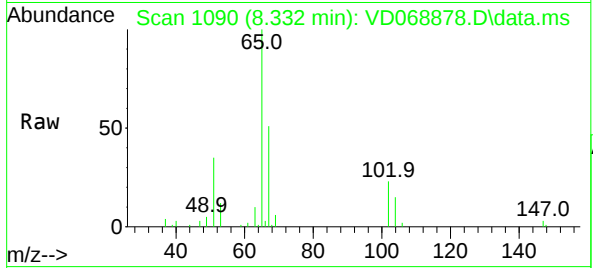




#33
 1,2-Dichloroethane-d4
 Concen: 49.03 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.000 min
 Lab File: VD068878.D
 Acq: 16 Apr 2021 16:22

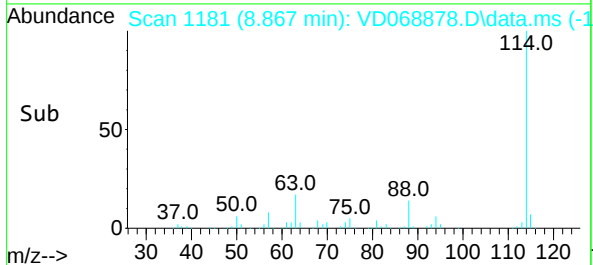
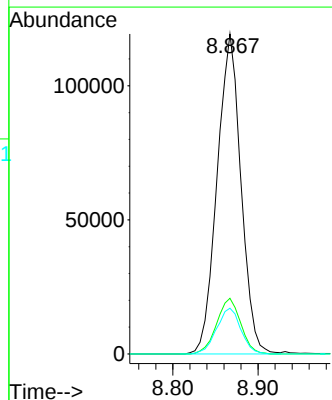
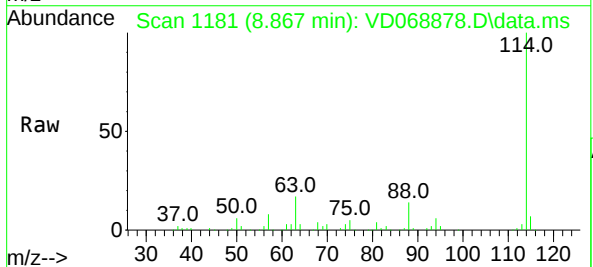
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-13.5-14.0

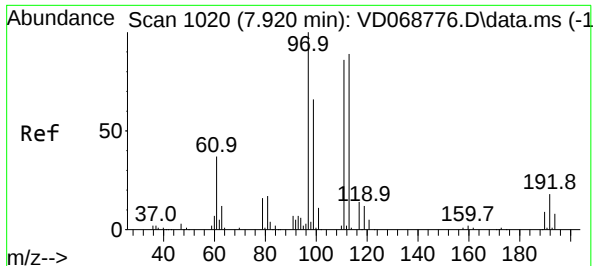
Tgt Ion: 65 Resp: 67428
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068878.D
 Acq: 16 Apr 2021 16:22

Tgt Ion: 114 Resp: 232226
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 38.2
 88 14.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.28 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068878.D

Acq: 16 Apr 2021 16:22

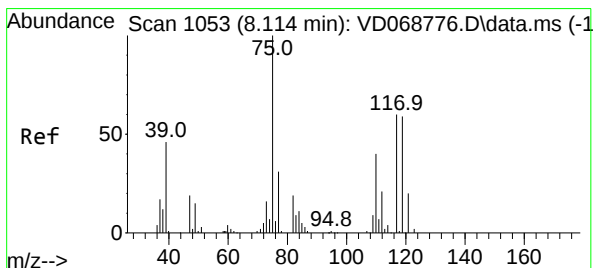
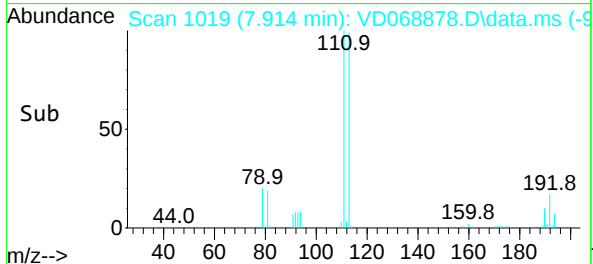
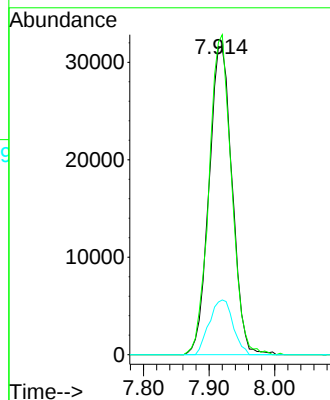
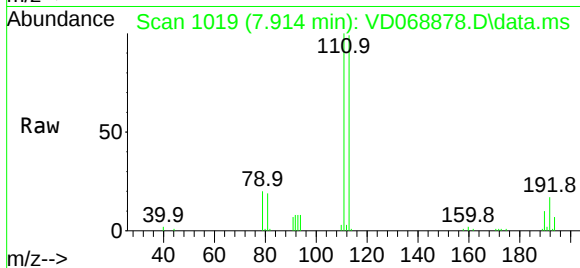
Tgt Ion:113 Resp: 77462

Ion Ratio Lower Upper

113 100

111 101.2 82.5 123.7

192 18.2 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.07 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD068878.D

Acq: 16 Apr 2021 16:22

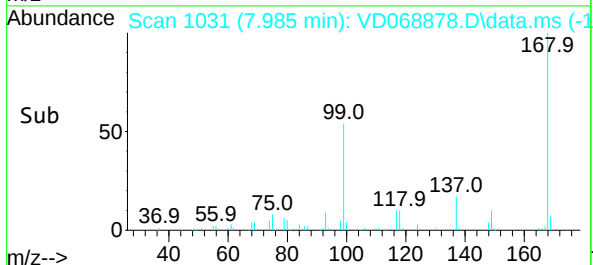
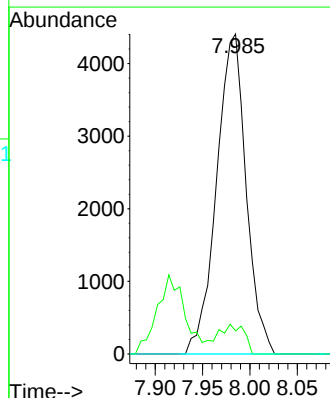
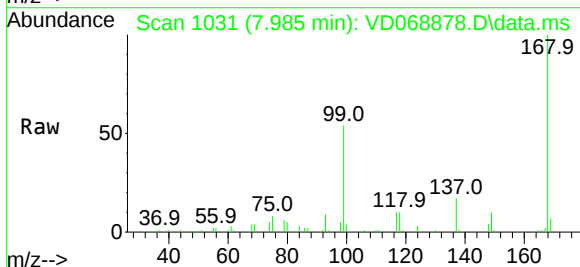
Tgt Ion: 75 Resp: 9562

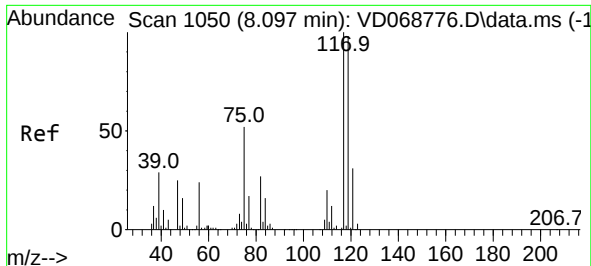
Ion Ratio Lower Upper

75 100

110 7.3 18.1 54.4#

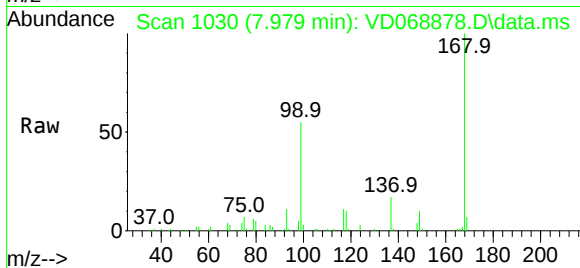
77 0.0 24.7 37.1#



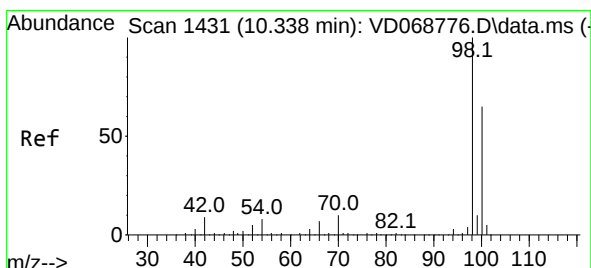
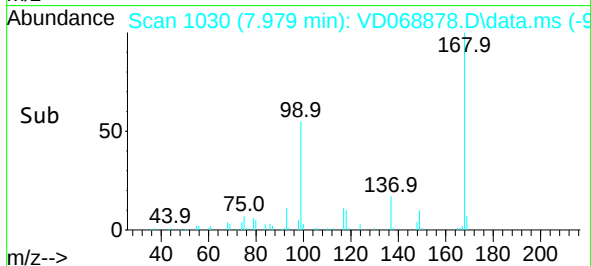
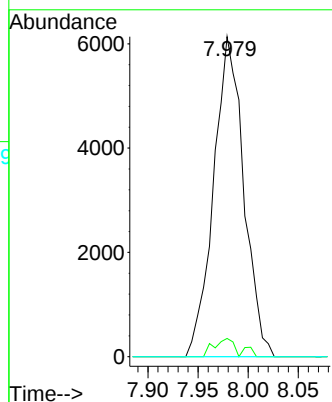


#38
Carbon Tetrachloride
Concen: 5.52 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068878.D
Acq: 16 Apr 2021 16:22

Instrument :
MSVOA_D
ClientSampleId :
SB-12-13.5-14.0

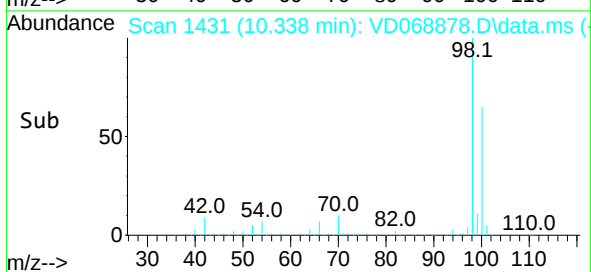
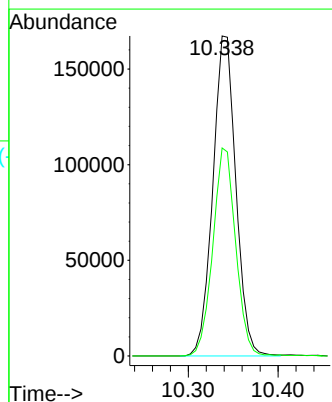
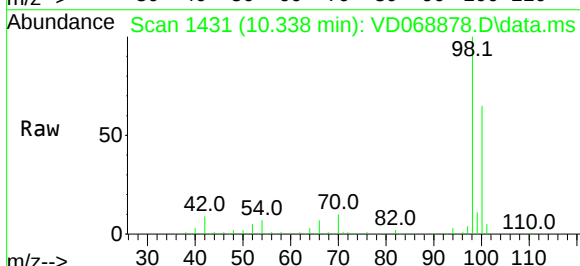


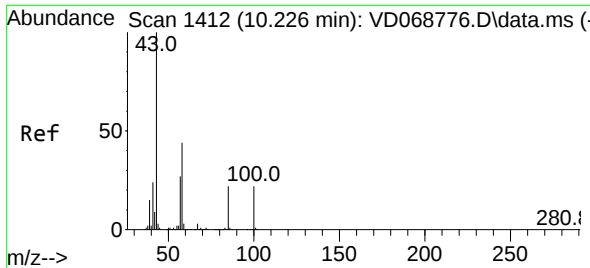
Tgt Ion:117 Resp: 12842
Ion Ratio Lower Upper
117 100
119 5.7 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 52.41 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068878.D
Acq: 16 Apr 2021 16:22

Tgt Ion: 98 Resp: 298652
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6

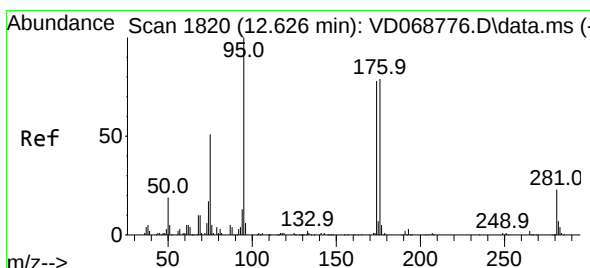
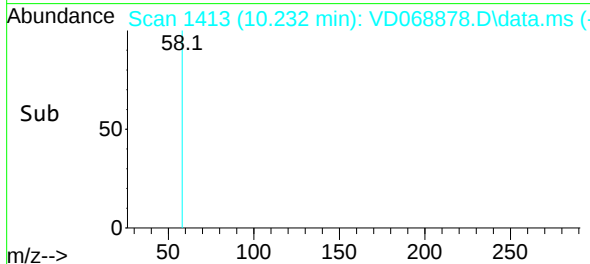
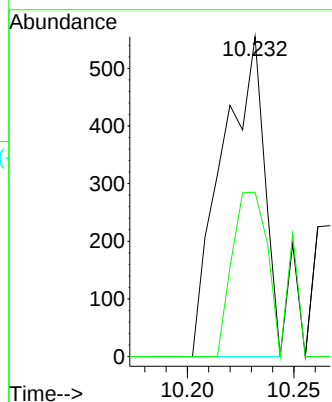
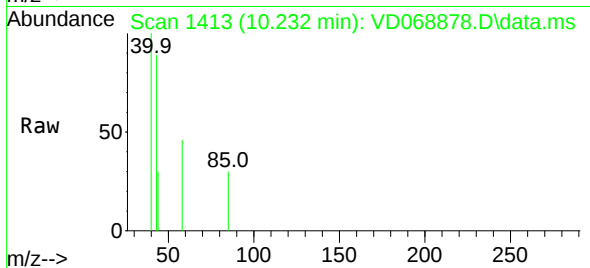




#51
4-Methyl-2-Pentanone
Concen: 1.08 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD068878.D
Acq: 16 Apr 2021 16:22

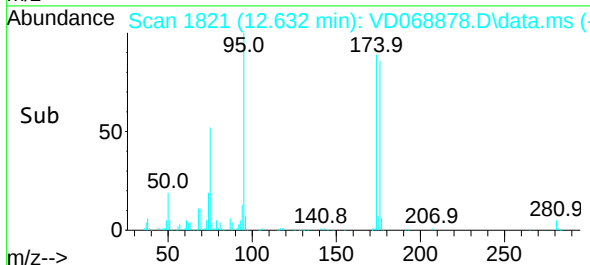
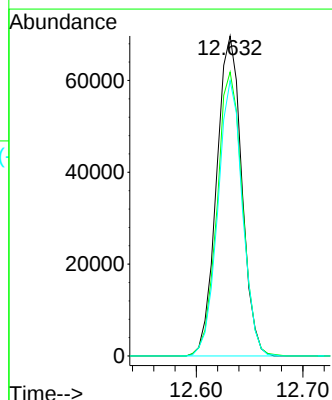
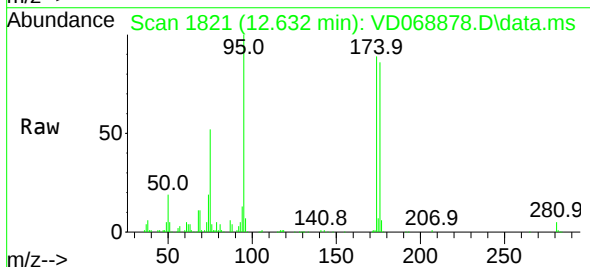
Instrument :
MSVOA_D
ClientSampleId :
SB-12-13.5-14.0

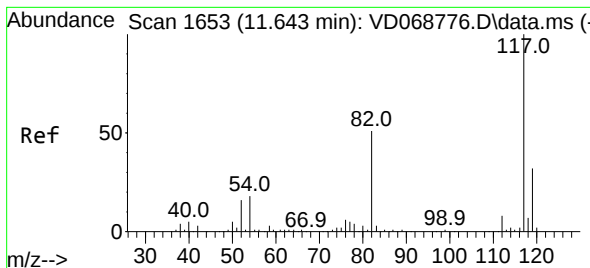
Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
58 52.4 37.3 55.9



#62
4-Bromofluorobenzene
Concen: 60.26 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068878.D
Acq: 16 Apr 2021 16:22

Tgt Ion: 95 Resp: 114044
Ion Ratio Lower Upper
95 100
174 89.1 0.0 168.0
176 84.3 0.0 160.2

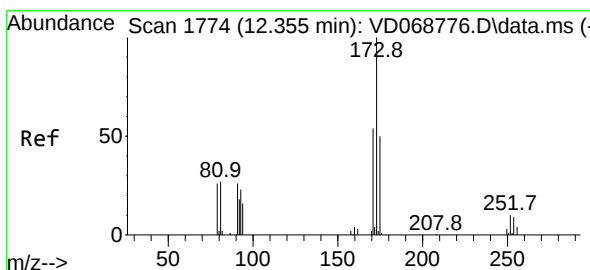
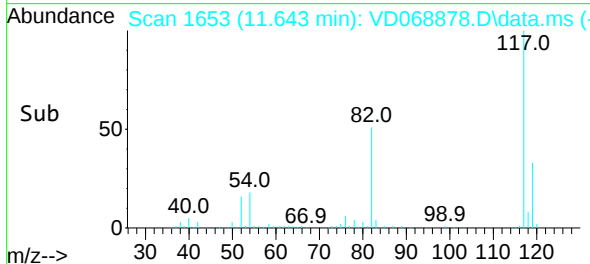
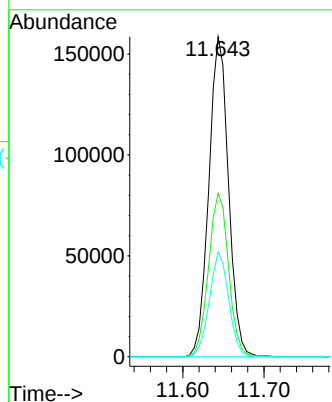
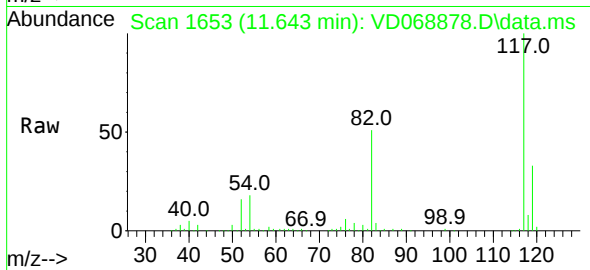




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068878.D
Acq: 16 Apr 2021 16:22

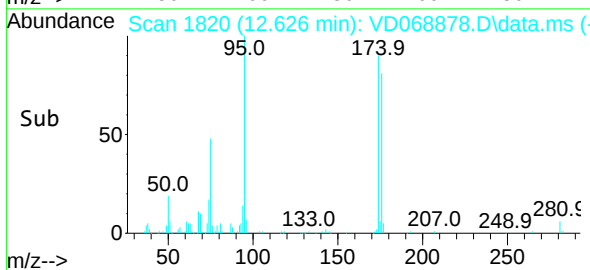
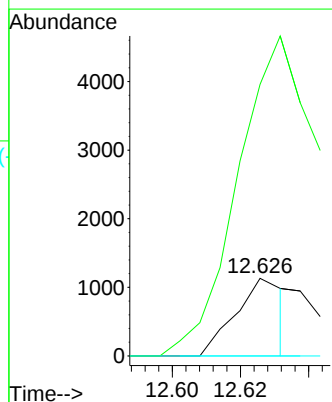
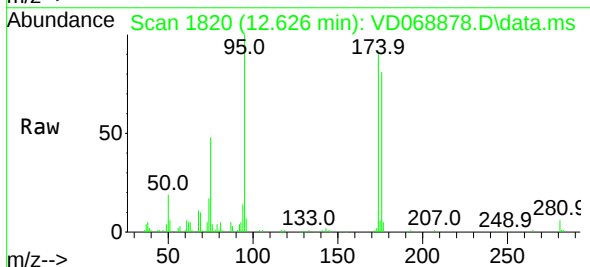
Instrument :
MSVOA_D
ClientSampleId :
SB-12-13.5-14.0

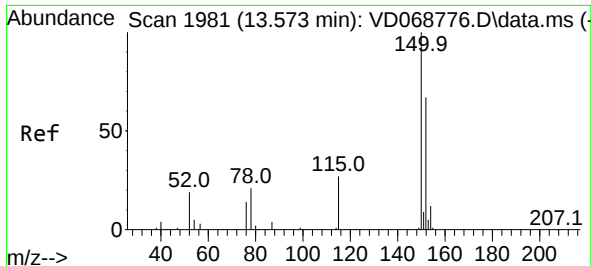
Tgt Ion:117 Resp: 266148
Ion Ratio Lower Upper
117 100
82 51.1 43.5 65.3
119 32.7 26.7 40.1



#71
Bromoform
Concen: 1.01 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD068878.D
Acq: 16 Apr 2021 16:22

Tgt Ion:173 Resp: 1117
Ion Ratio Lower Upper
173 100
175 0.0 23.6 71.0#
254 0.0 0.0 0.0

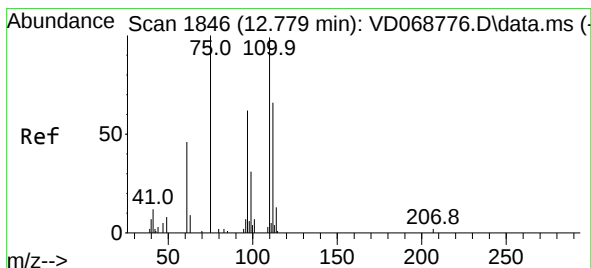
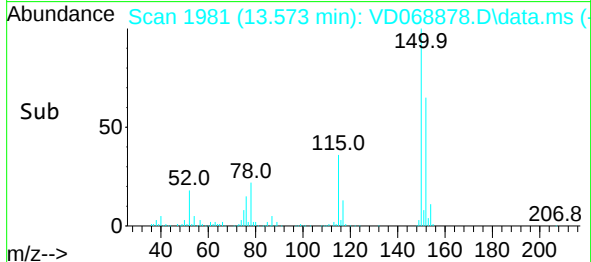
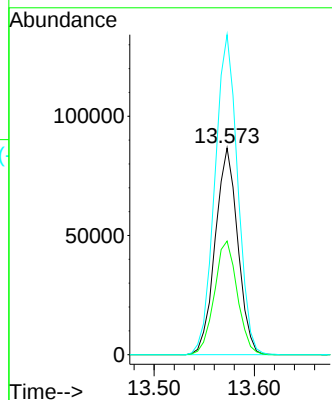
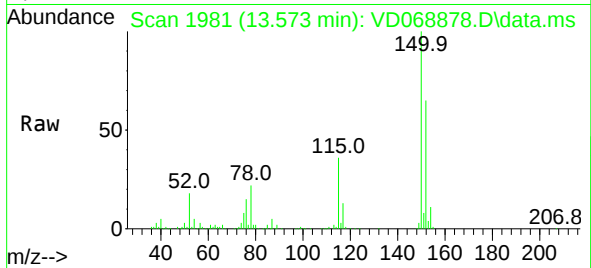




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068878.D
Acq: 16 Apr 2021 16:22

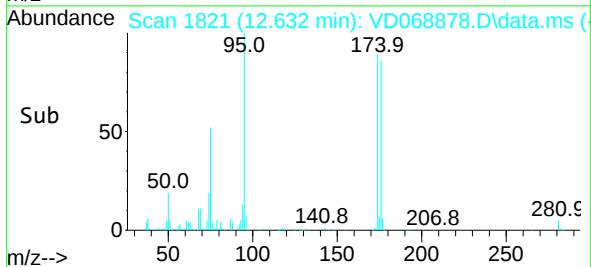
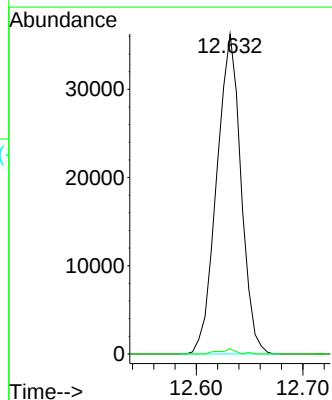
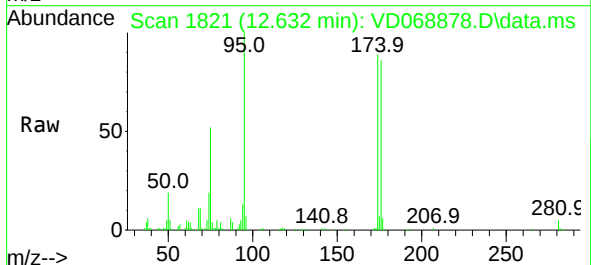
Instrument :
MSVOA_D
ClientSampleId :
SB-12-13.5-14.0

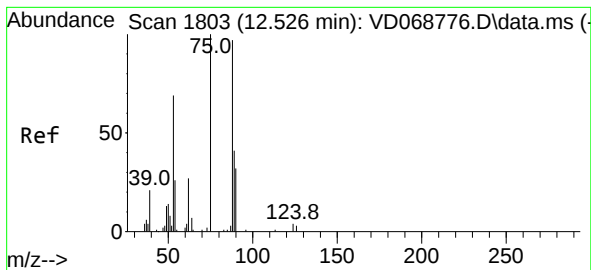
Tgt Ion:152 Resp: 135382
Ion Ratio Lower Upper
152 100
115 56.0 29.3 87.8
150 156.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 46.34 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068878.D
Acq: 16 Apr 2021 16:22

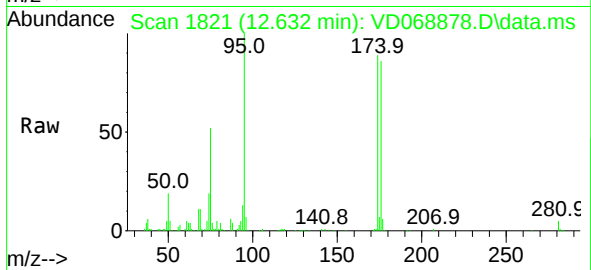
Tgt Ion: 75 Resp: 57313
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.54 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068878.D
 Acq: 16 Apr 2021 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12-13.5-14.0



Tgt Ion: 75 Resp: 57313
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 36.6 54.8#

