

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101221\
 Data File : VD070678.D
 Acq On : 12 Oct 2021 14:38
 Operator : VA/SY
 Sample : M4158-19
 Misc : 6.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-4-BOTTOM-GRAB

Quant Time: Oct 13 06:36:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

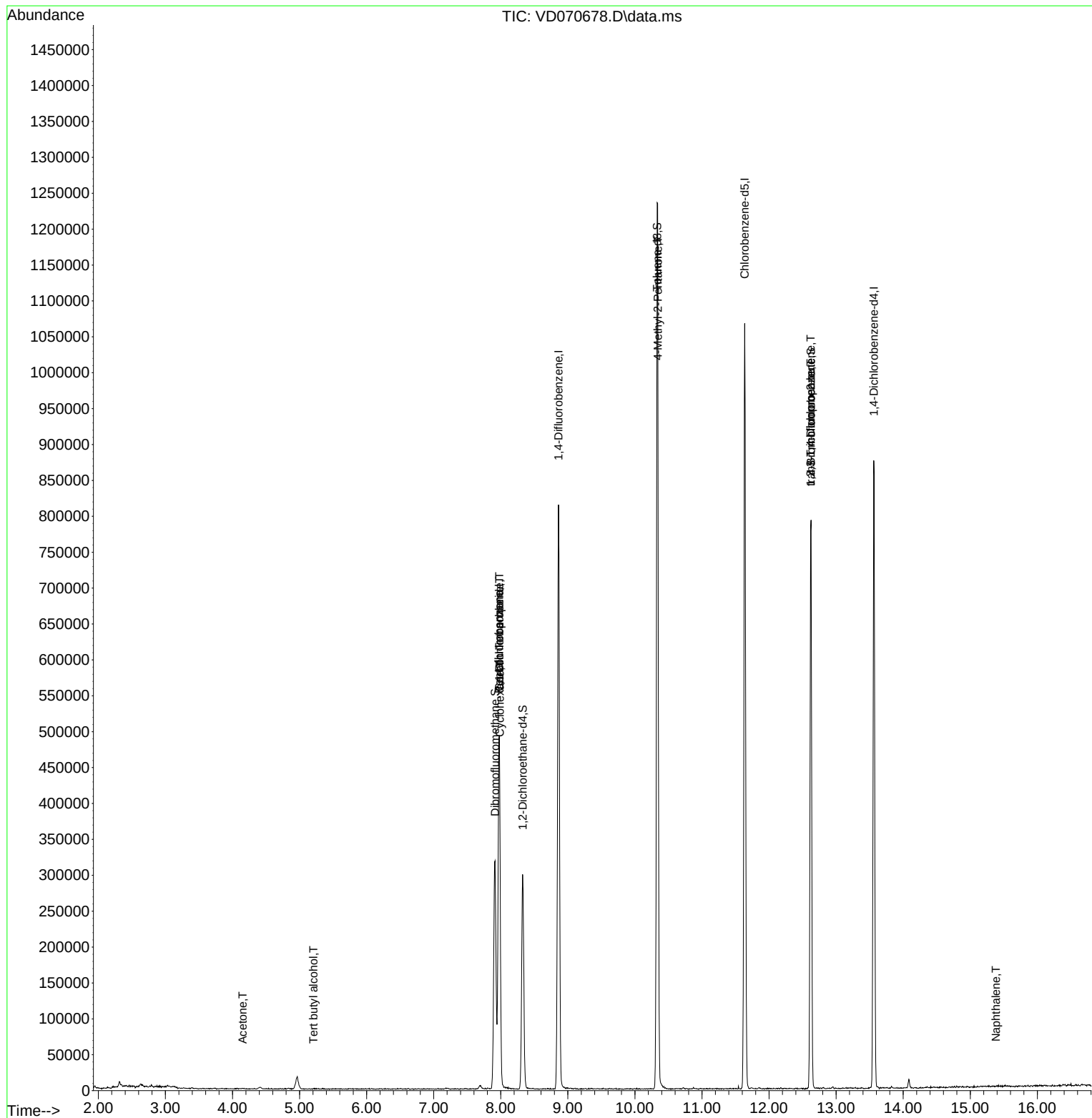
Internal Standards						
1) Pentafluorobenzene	7.973	168	355343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	709375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	649652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	241605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	236879	56.644	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.280%			
35) Dibromofluoromethane	7.914	113	237130	50.278	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.560%			
50) Toluene-d8	10.332	98	891037	49.420	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.840%			
62) 4-Bromofluorobenzene	12.626	95	266534	44.230	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.460%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1112	Below Cal	#	67
11) Tert butyl alcohol	5.209	59	321	1.550	ug/l #	83
16) Acetone	4.150	43	908	1.279	ug/l	95
20) Methylene Chloride	4.967	84	13850	Below Cal	#	90
31) Cyclohexane	7.985	56	7845	1.013	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	30093	3.994	ug/l #	51
38) Carbon Tetrachloride	7.979	117	39421	5.000	ug/l #	17
51) 4-Methyl-2-Pentanone	10.344	43	2647	1.119	ug/l #	1
59) 2-Hexanone	11.067	43	57	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.620	75	125992	57.615	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	125992	127.916	ug/l #	17
95) Naphthalene	15.384	128	202	2.515	ug/l #	69

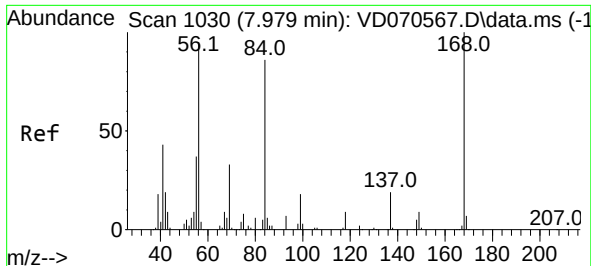
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

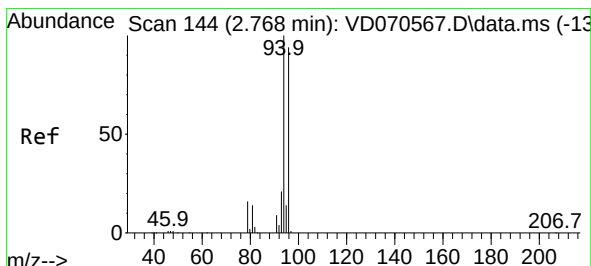
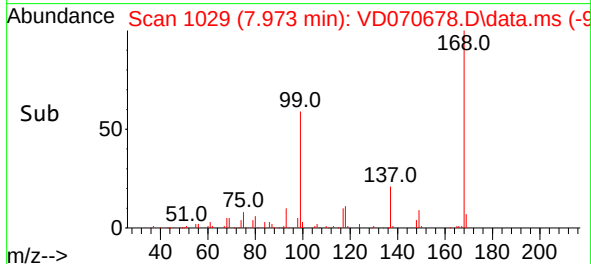
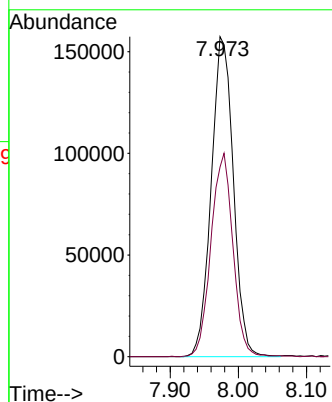
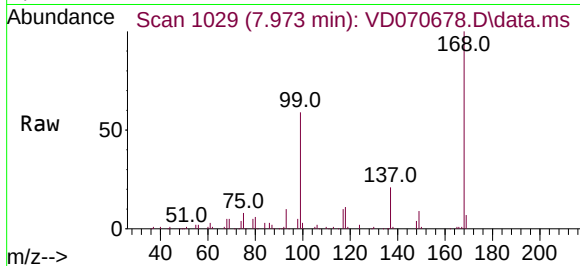




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

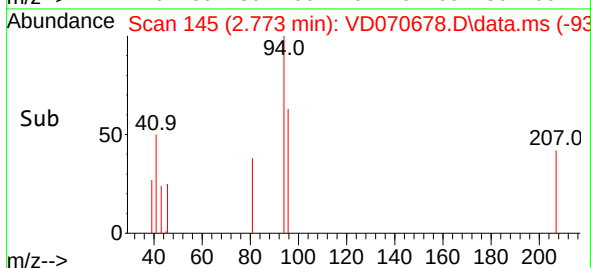
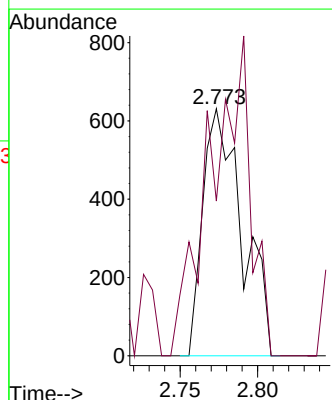
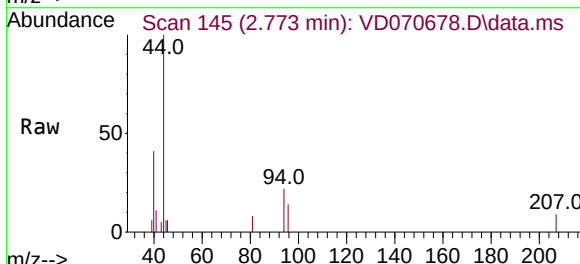
Instrument :
MSVOA_D
ClientSampleId :
T8-4-BOTTOM-GRAB

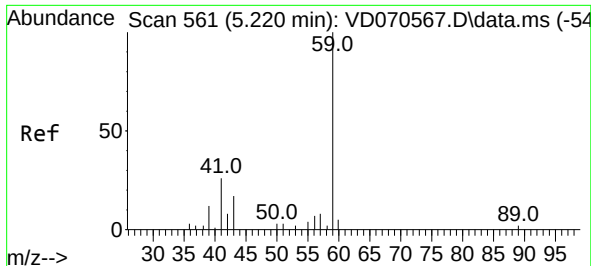
Tgt Ion:168 Resp: 355343
Ion Ratio Lower Upper
168 100
99 59.2 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

Tgt Ion: 94 Resp: 1112
Ion Ratio Lower Upper
94 100
96 62.6 75.5 113.3#

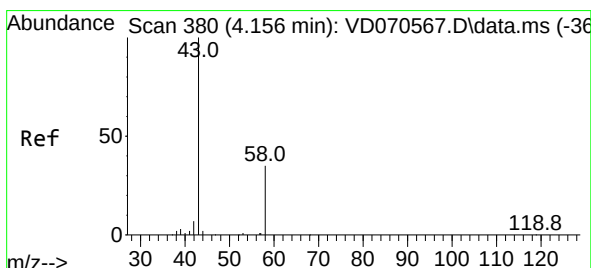
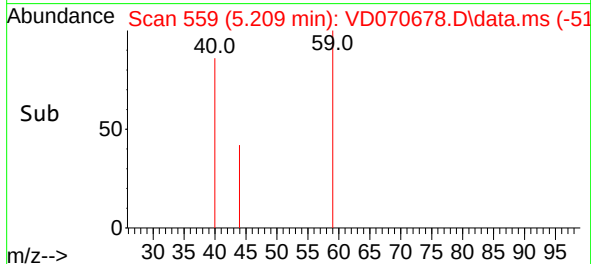
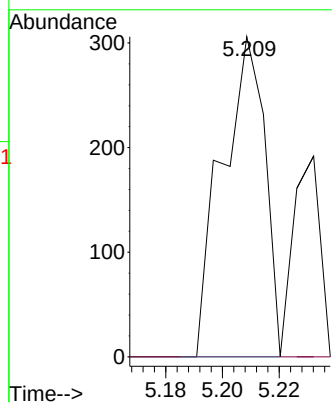
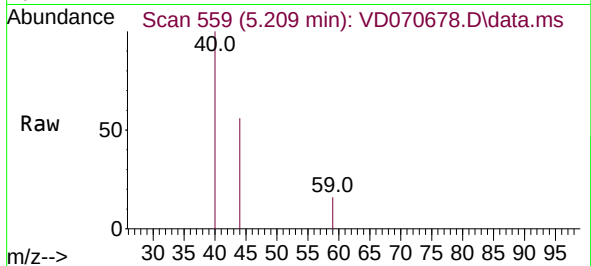




#11
Tert butyl alcohol
Concen: 1.550 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

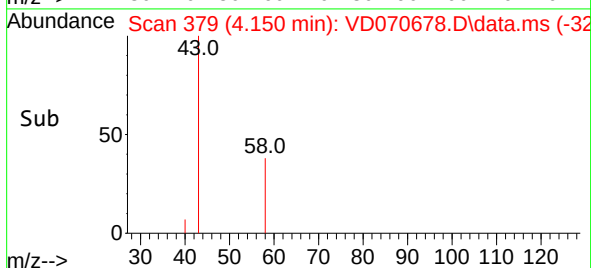
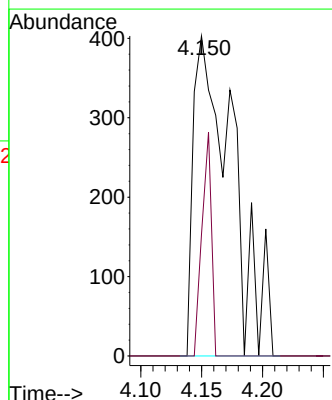
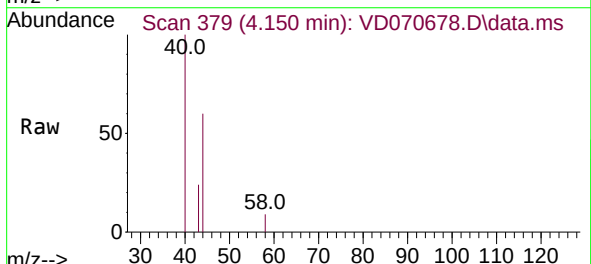
Instrument :
MSVOA_D
ClientSampleId :
T8-4-BOTTOM-GRAB

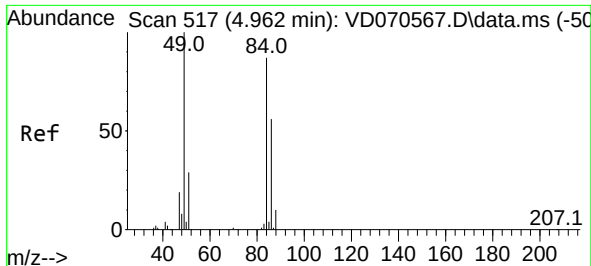
Tgt Ion: 59 Resp: 321
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#16
Acetone
Concen: 1.279 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

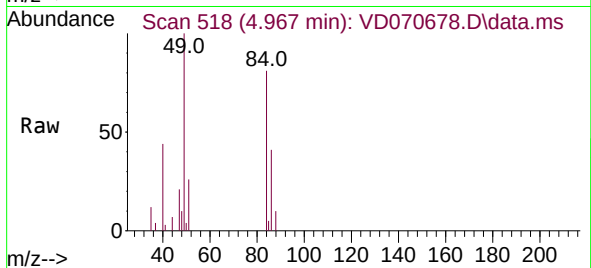
Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
58 38.0 28.2 42.2



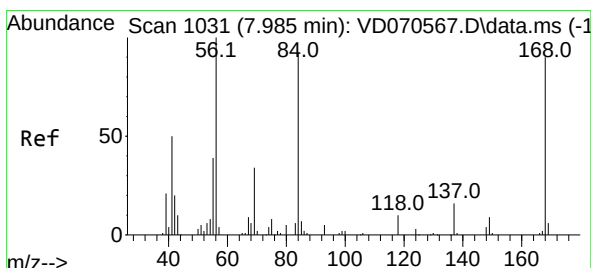
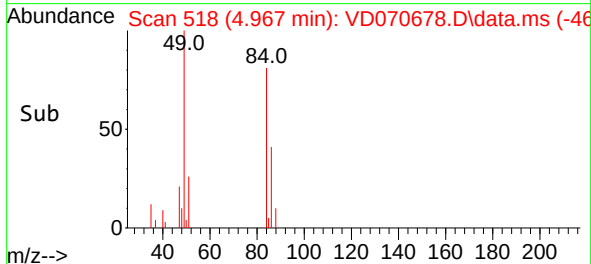
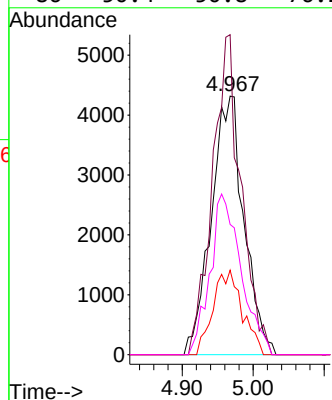


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

Instrument :
MSVOA_D
ClientSampleId :
T8-4-BOTTOM-GRAB

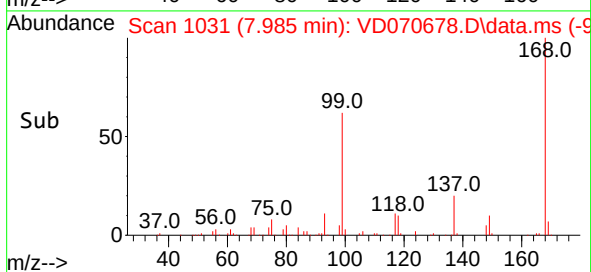
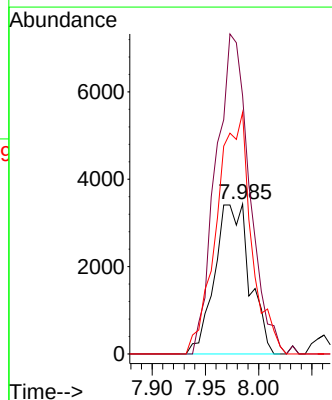
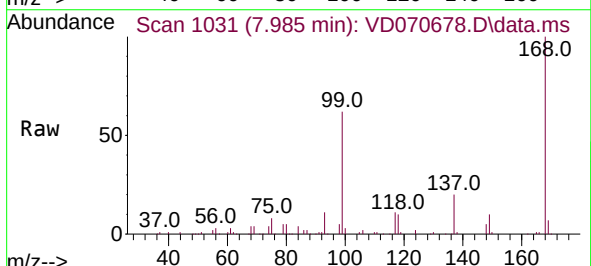


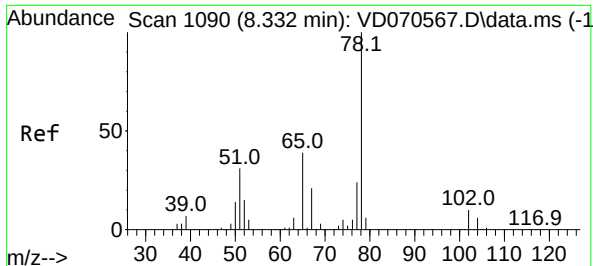
Tgt Ion:	84	Resp:	13850
Ion	Ratio	Lower	Upper
84	100		
49	123.8	91.4	137.2
51	32.7	26.7	40.1
86	50.4	50.8	76.2#



#31
Cyclohexane
Concen: 1.013 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

Tgt Ion:	56	Resp:	7845
Ion	Ratio	Lower	Upper
56	100		
69	172.2	27.4	41.2#
84	161.0	73.6	110.4#

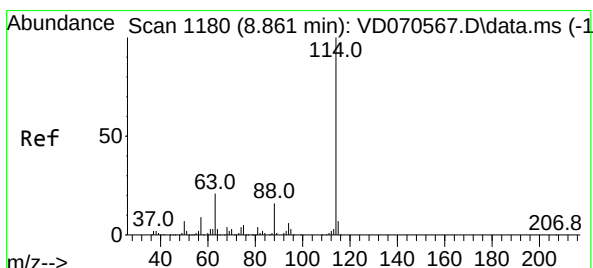
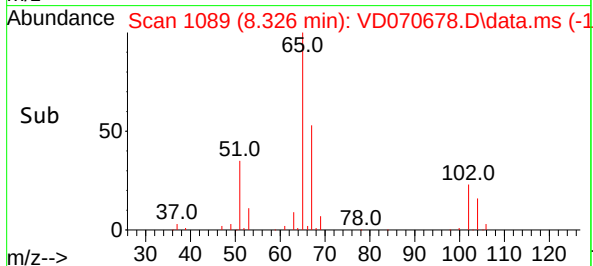
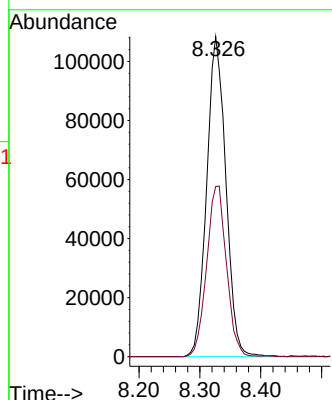
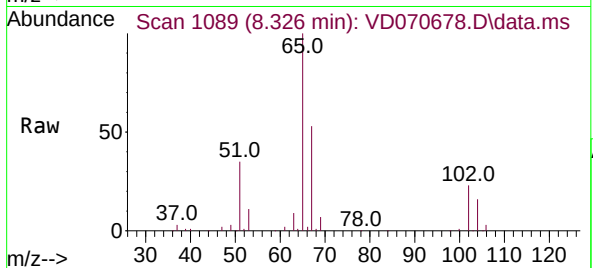




#33
 1,2-Dichloroethane-d4
 Concen: 56.644 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: VD070678.D
 Acq: 12 Oct 2021 14:38

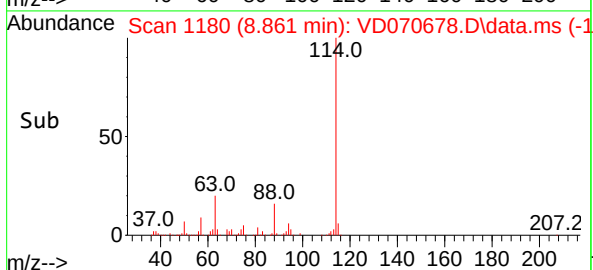
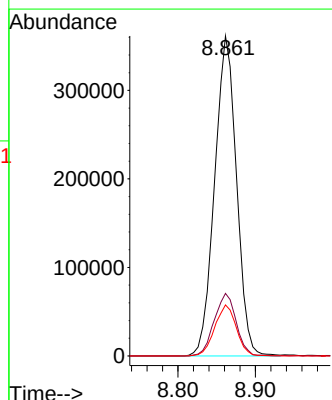
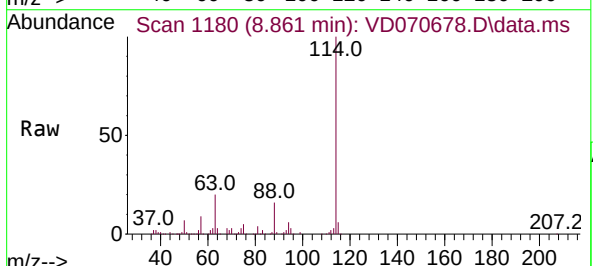
Instrument :
 MSVOA_D
 ClientSampleId :
 T8-4-BOTTOM-GRAB

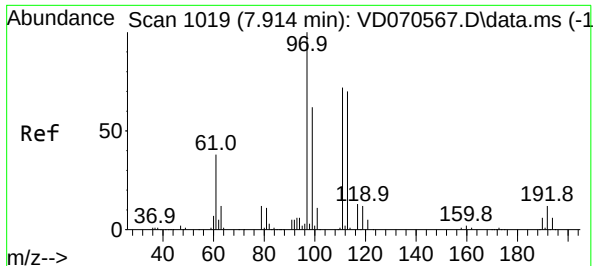
Tgt Ion: 65 Resp: 236879
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.000 min
 Lab File: VD070678.D
 Acq: 12 Oct 2021 14:38

Tgt Ion: 114 Resp: 709375
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.8
 88 15.9 0.0 32.6

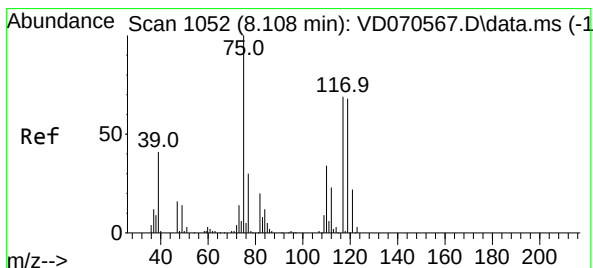
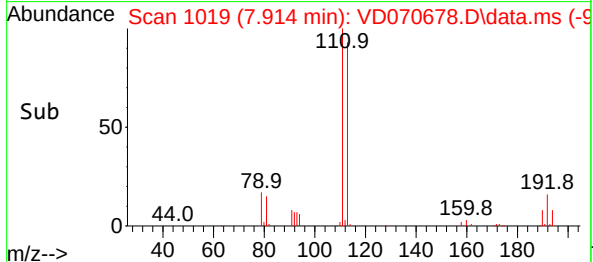
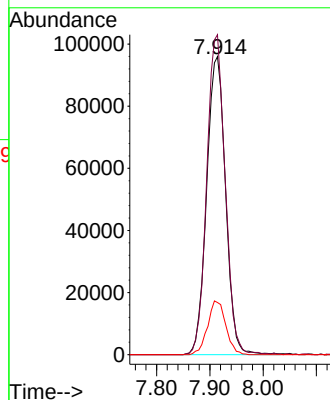
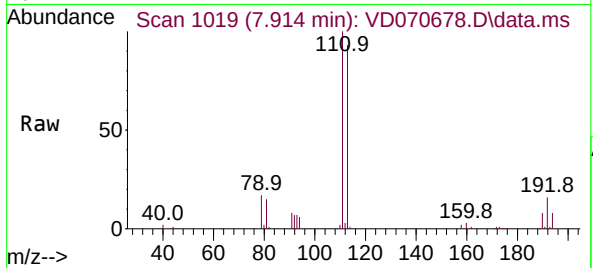




#35
Dibromofluoromethane
Concen: 50.278 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

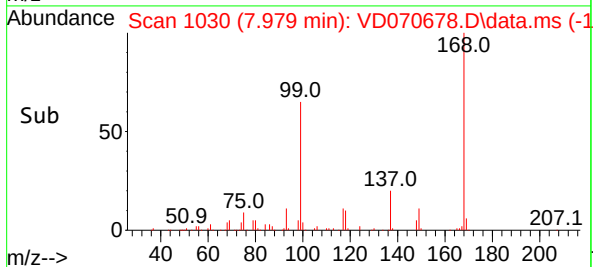
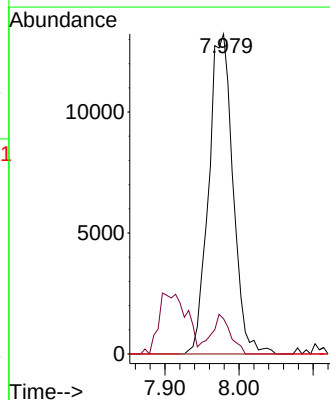
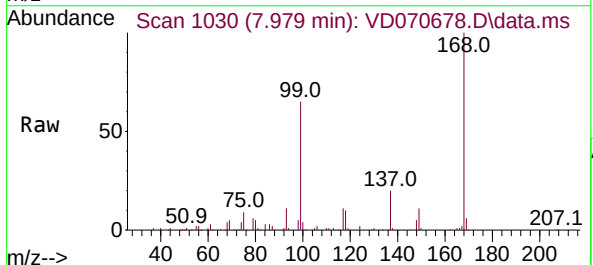
Instrument :
MSVOA_D
ClientSampleId :
T8-4-BOTTOM-GRAB

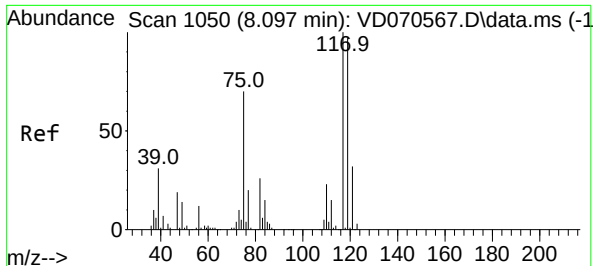
Tgt Ion:113 Resp: 237130
Ion Ratio Lower Upper
113 100
111 104.3 83.1 124.7
192 17.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 3.994 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

Tgt Ion: 75 Resp: 30093
Ion Ratio Lower Upper
75 100
110 9.3 17.2 51.6#
77 0.0 24.2 36.4#

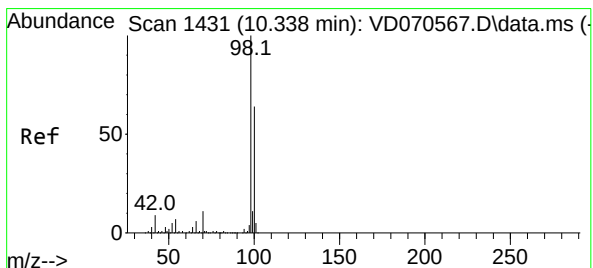
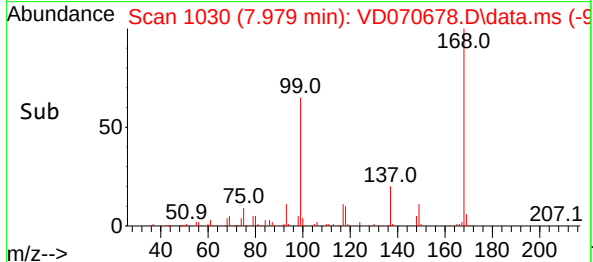
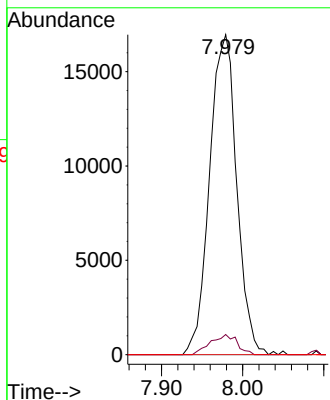
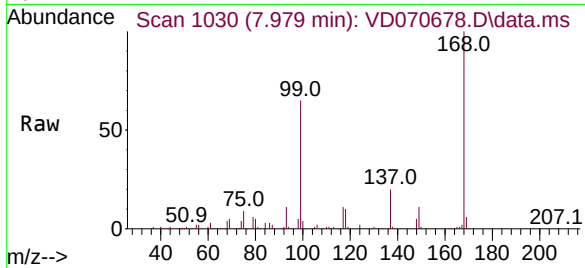




#38
Carbon Tetrachloride
Concen: 5.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

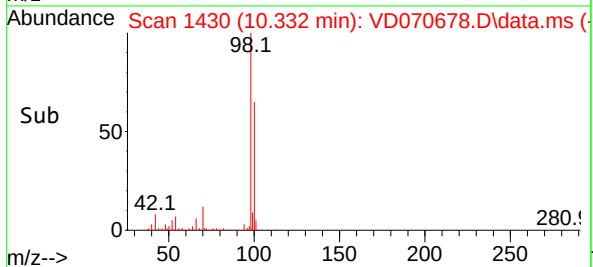
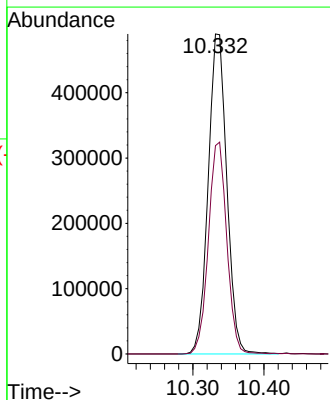
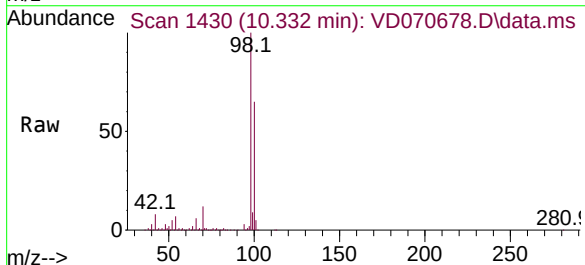
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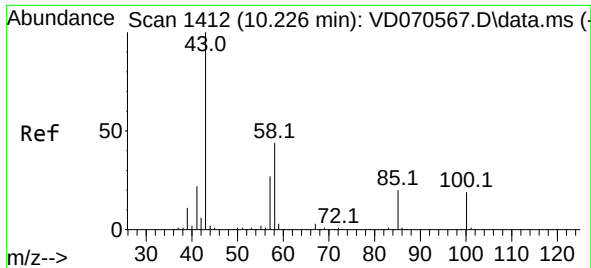
Tgt Ion:117 Resp: 39421
Ion Ratio Lower Upper
117 100
119 6.3 77.4 116.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 49.420 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

Tgt Ion: 98 Resp: 891037
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4

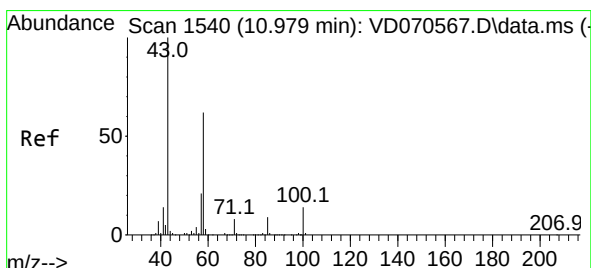
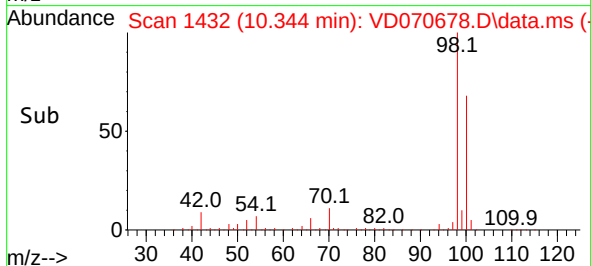
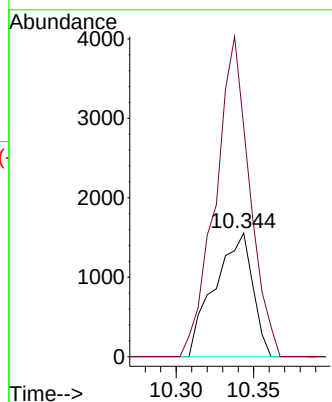
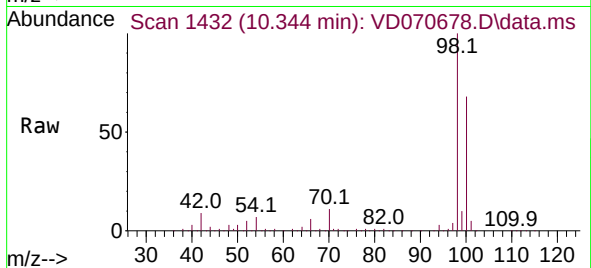




#51
4-Methyl-2-Pentanone
Concen: 1.119 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.118 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

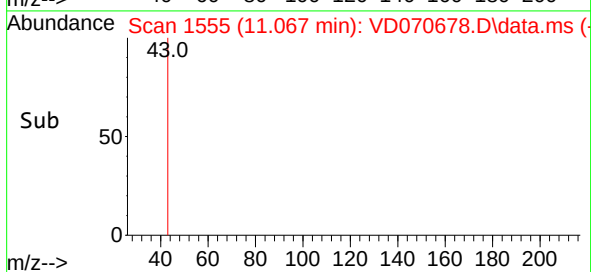
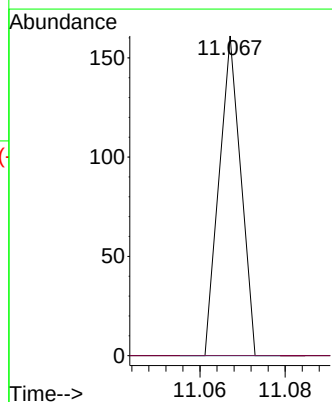
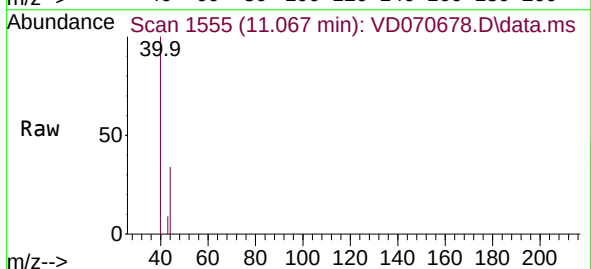
Instrument :
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T8-4-BOTTOM-GRAB

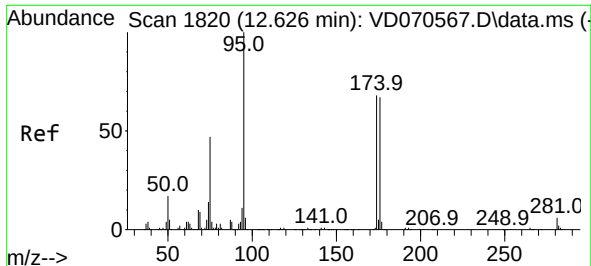
Tgt Ion: 43 Resp: 2647
Ion Ratio Lower Upper
43 100
58 233.7 35.0 52.6#



#59
2-Hexanone
Concen: Below Cal
RT: 11.067 min Scan# 1555
Delta R.T. 0.088 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

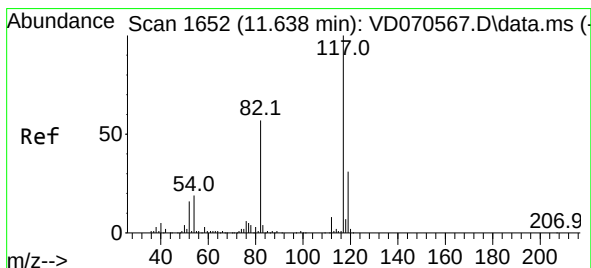
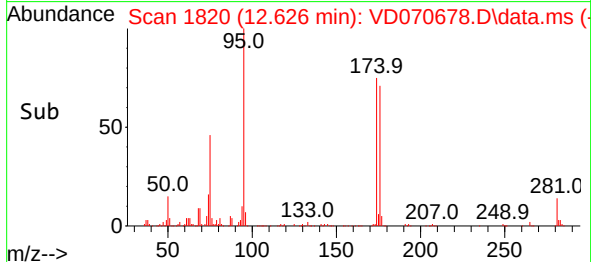
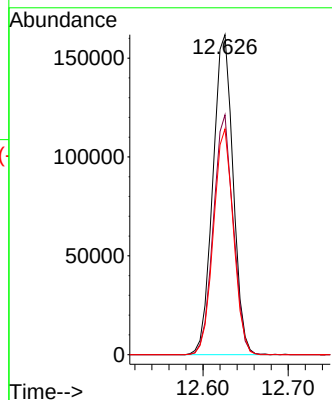
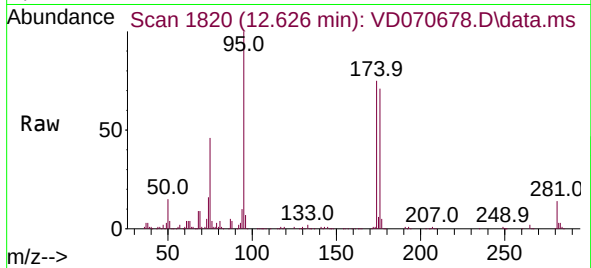




#62
4-Bromofluorobenzene
Concen: 44.230 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

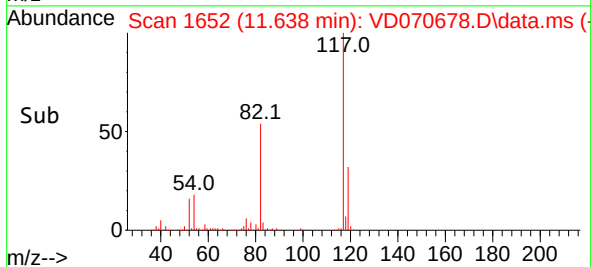
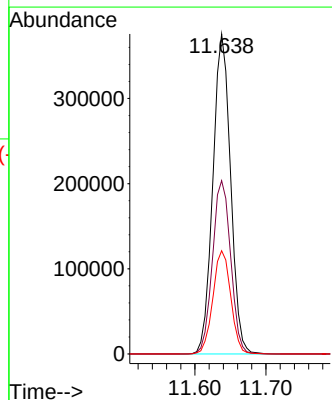
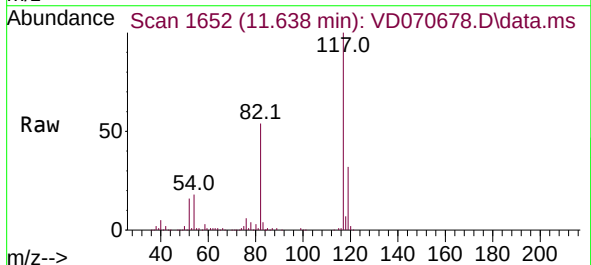
Instrument :
MSVOA_D
ClientSampleId :
T8-4-BOTTOM-GRAB

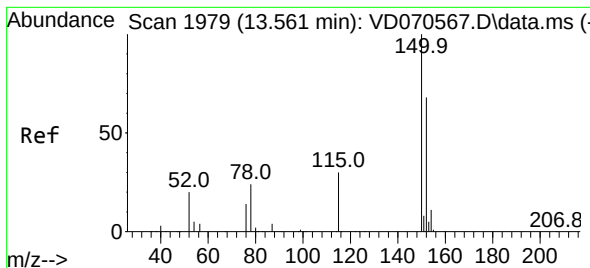
Tgt Ion: 95 Resp: 266534
Ion Ratio Lower Upper
95 100
174 73.9 0.0 138.0
176 69.6 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

Tgt Ion: 117 Resp: 649652
Ion Ratio Lower Upper
117 100
82 54.2 45.4 68.2
119 32.2 24.7 37.1

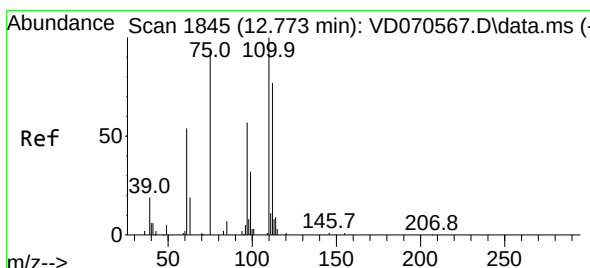
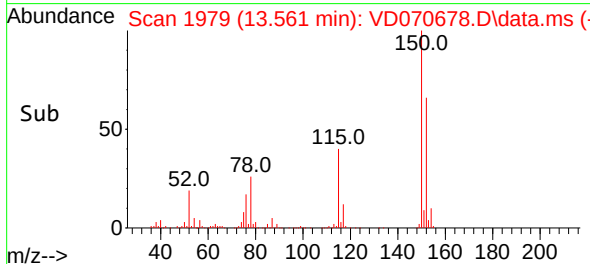
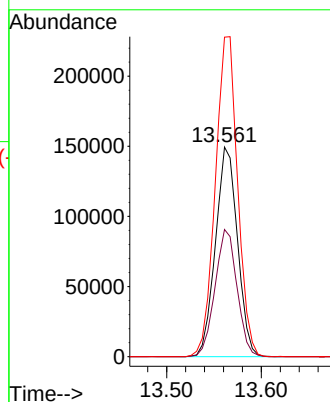
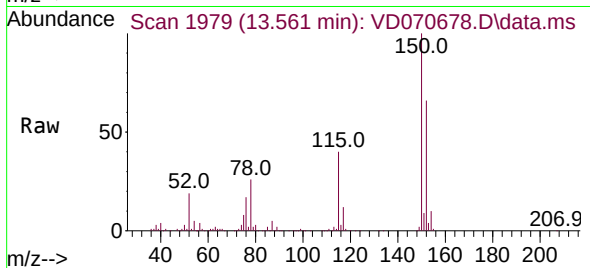




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

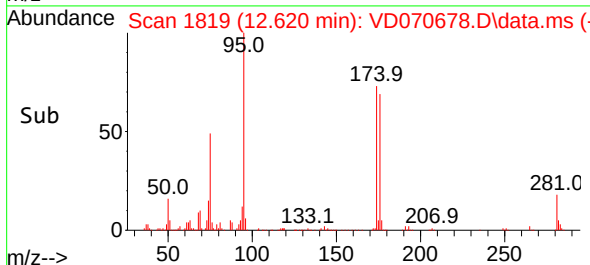
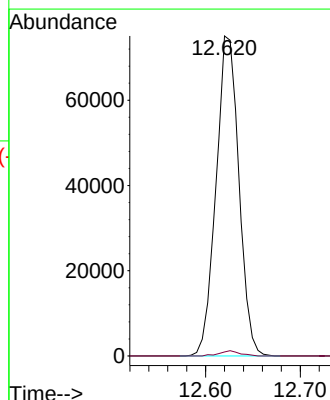
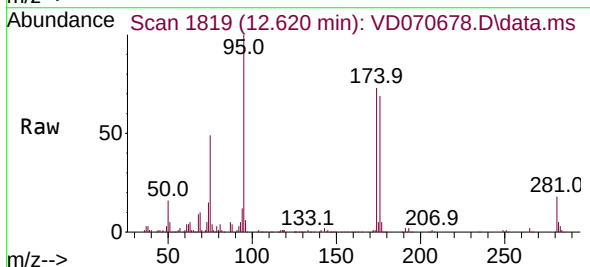
Instrument :
MSVOA_D
ClientSampleId :
T8-4-BOTTOM-GRAB

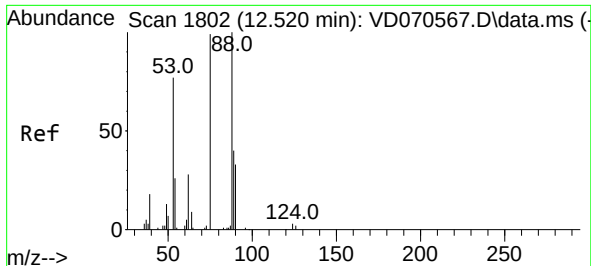
Tgt Ion:152 Resp: 241605
Ion Ratio Lower Upper
152 100
115 60.5 31.9 95.7
150 154.8 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 57.615 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

Tgt Ion: 75 Resp: 125992
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

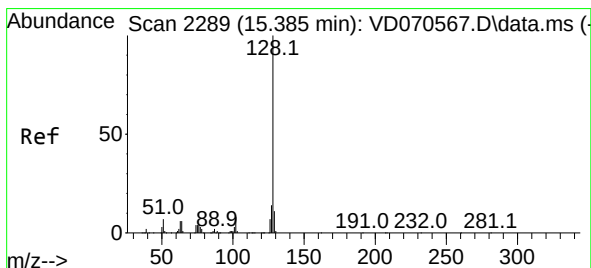
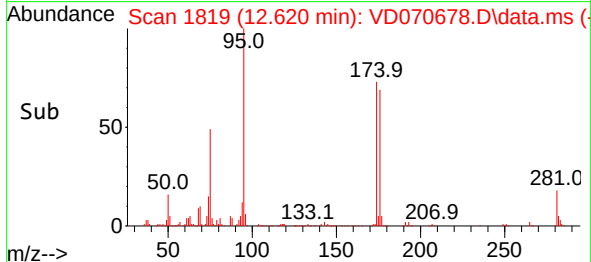
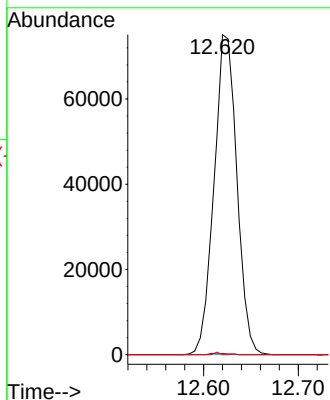
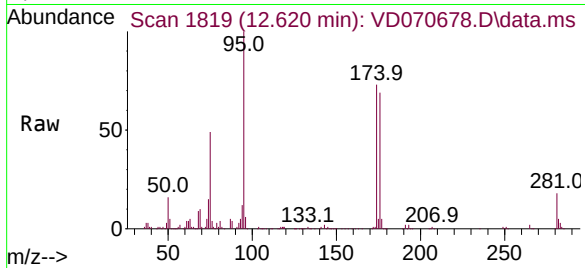




#81
trans-1,4-Dichloro-2-butene
Concen: 127.916 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

Instrument :
MSVOA_D
ClientSampleId :
T8-4-BOTTOM-GRAB

Tgt Ion: 75 Resp: 125992
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.2 35.3 52.9#



#95
Naphthalene
Concen: 2.515 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070678.D
Acq: 12 Oct 2021 14:38

Tgt Ion:128 Resp: 202
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

