

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101221\
 Data File : VD070679.D
 Acq On : 12 Oct 2021 15:07
 Operator : VA/SY
 Sample : M4159-09
 Misc : 4.29G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T9-4-BOTTOM-GRAB

Quant Time: Oct 13 06:36:45 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)

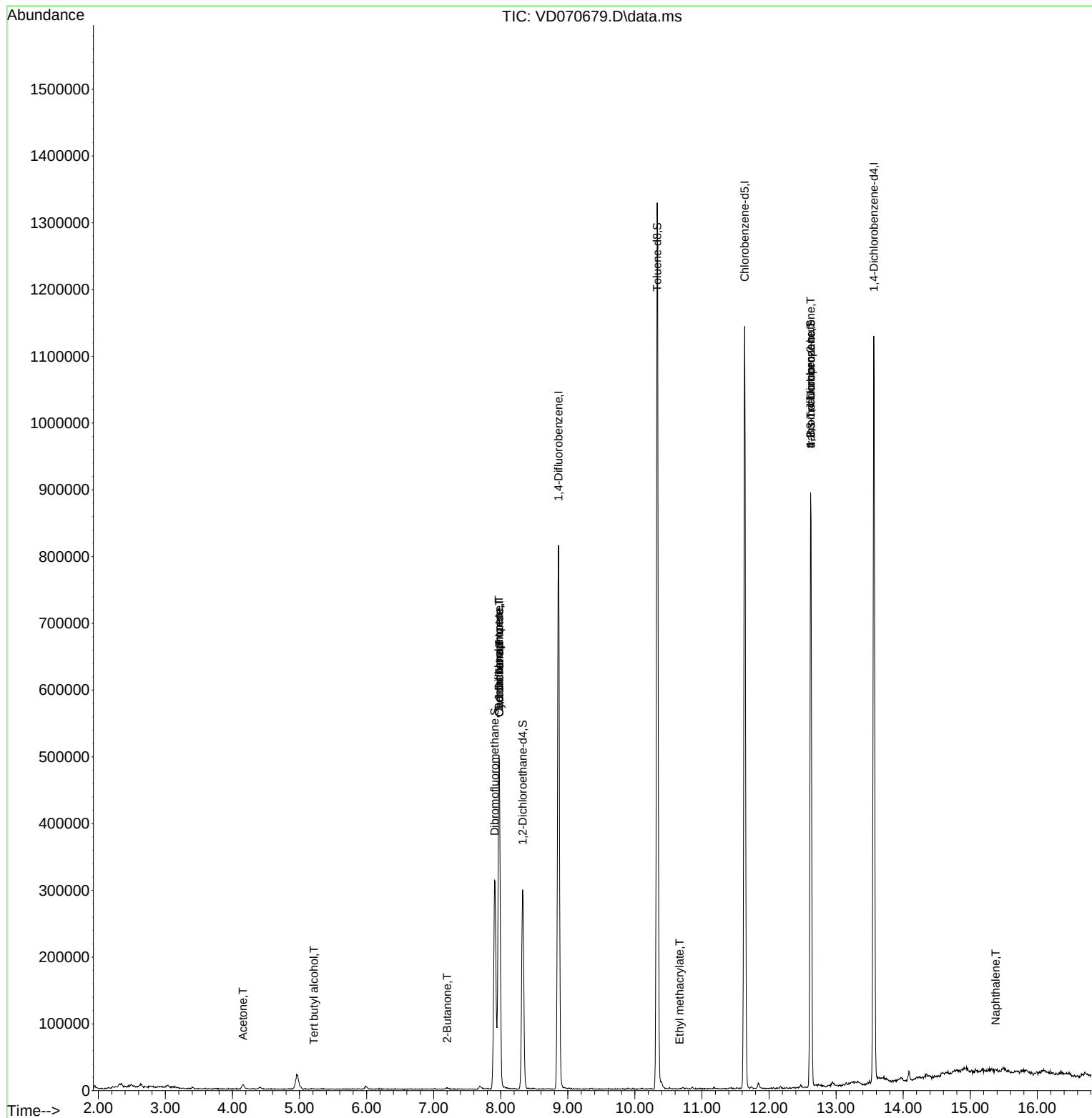
Internal Standards						
1) Pentafluorobenzene	7.973	168	358891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	717610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	693050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	300996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	236049	55.887	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.780%			
35) Dibromofluoromethane	7.909	113	236328	49.533	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.060%			
50) Toluene-d8	10.332	98	927637	50.859	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.720%			
62) 4-Bromofluorobenzene	12.620	95	301239	49.416	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.840%			
Target Compounds						
5) Bromomethane	2.774	94	1375	Below Cal	Qvalue 95	
11) Tert butyl alcohol	5.215	59	394	1.883 ug/l #	83	
16) Acetone	4.156	43	10930	15.239 ug/l	98	
20) Methylene Chloride	4.968	84	19223	Below Cal #	81	
25) 2-Butanone	7.203	43	1734	1.847 ug/l	91	
31) Cyclohexane	7.979	56	8436	1.079 ug/l #	1	
36) 1,1-Dichloropropene	7.973	75	31500	4.133 ug/l #	50	
38) Carbon Tetrachloride	7.979	117	38649	4.846 ug/l #	17	
56) Ethyl methacrylate	10.667	69	96	1.393 ug/l #	19	
59) 2-Hexanone	10.973	43	373	Below Cal #	43	
76) 1,2,3-Trichloropropane	12.620	75	140457	51.556 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.620	75	140457	114.464 ug/l #	17	
95) Naphthalene	15.379	128	836	2.573 ug/l #	67	

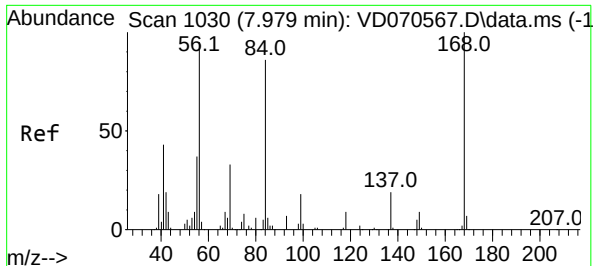
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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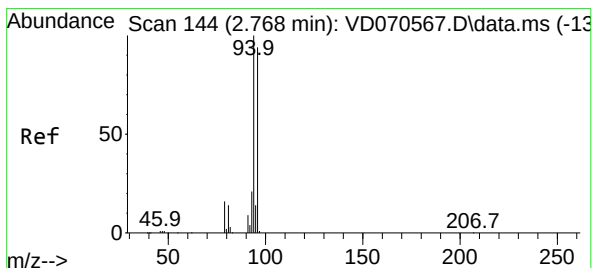
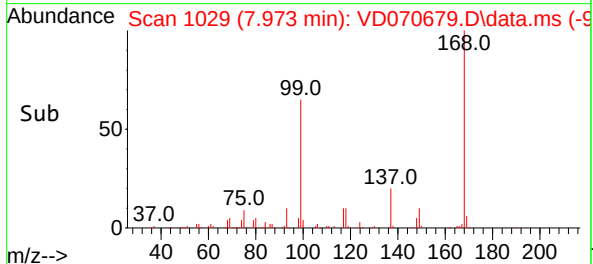
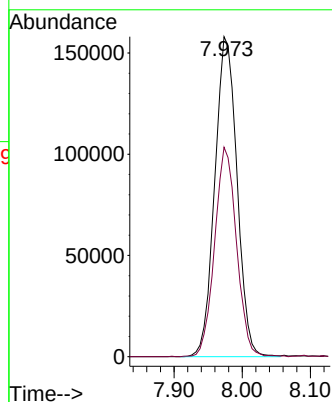
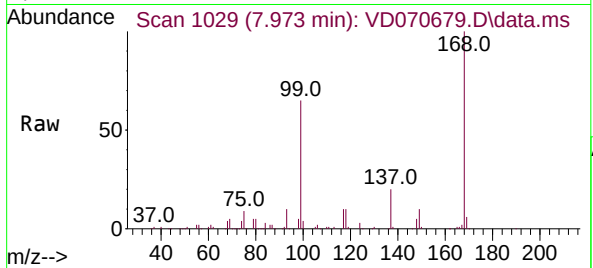




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

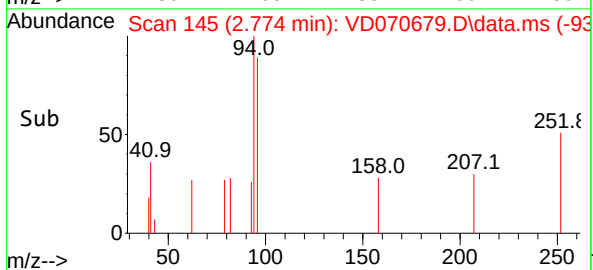
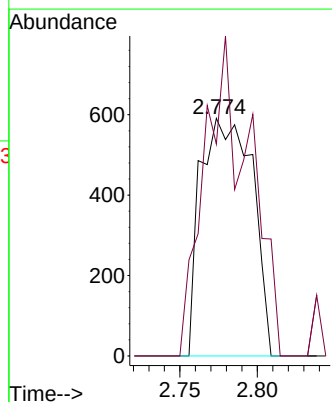
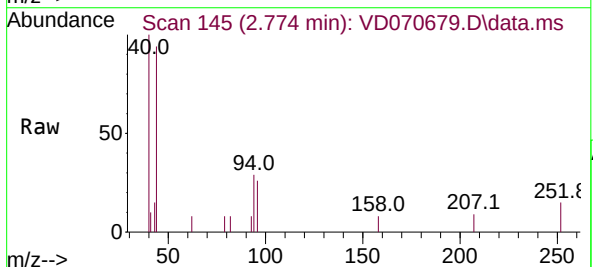
Instrument :
MSVOA_D
ClientSampleId :
T9-4-BOTTOM-GRAB

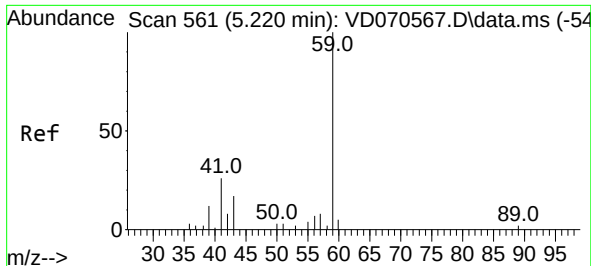
Tgt Ion:168 Resp: 358891
Ion Ratio Lower Upper
168 100
99 65.4 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

Tgt Ion: 94 Resp: 1375
Ion Ratio Lower Upper
94 100
96 89.2 75.5 113.3



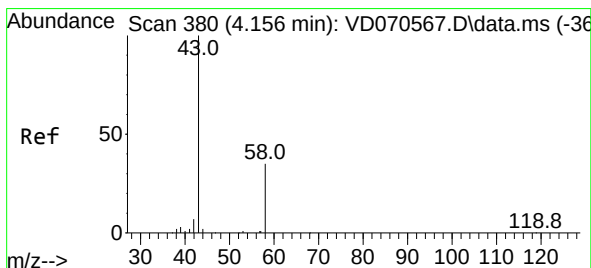
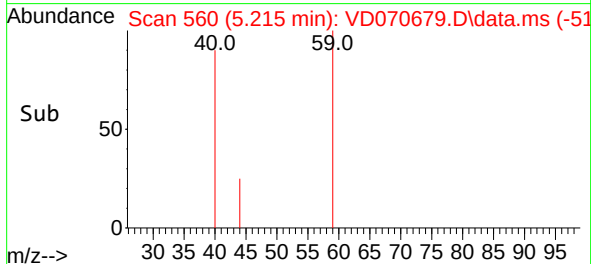
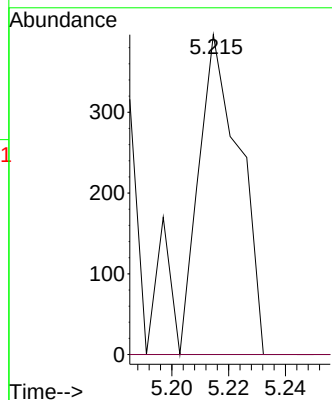
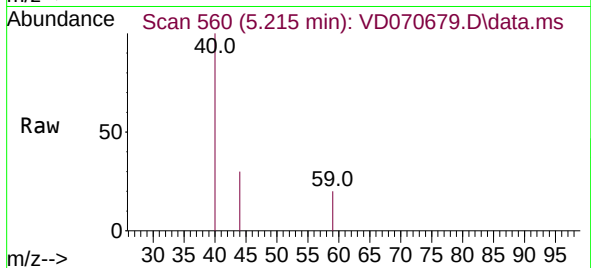


#11

Tert butyl alcohol
Concen: 1.883 ug/l
RT: 5.215 min Scan# 560
Delta R.T. -0.005 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

Instrument :
MSVOA_D
ClientSampleId :
T9-4-BOTTOM-GRAB

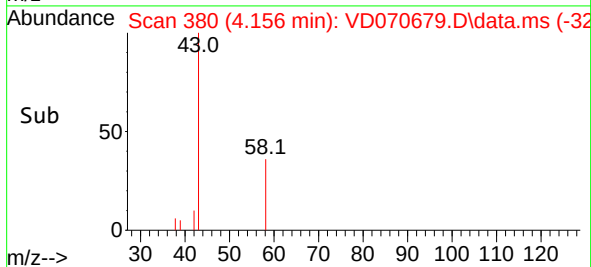
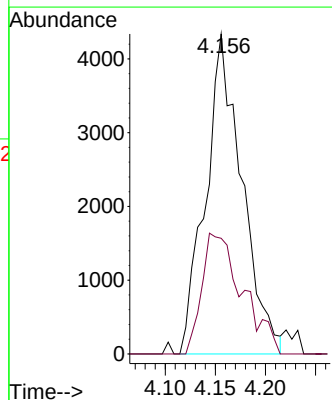
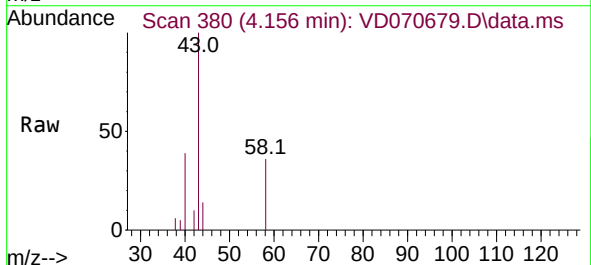
Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

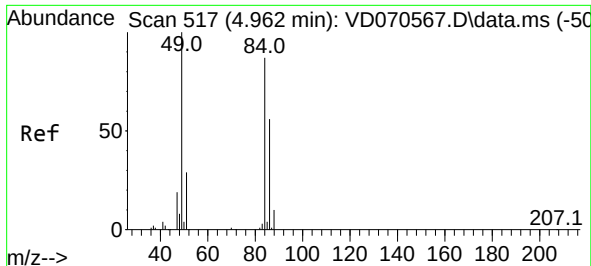


#16

Acetone
Concen: 15.239 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

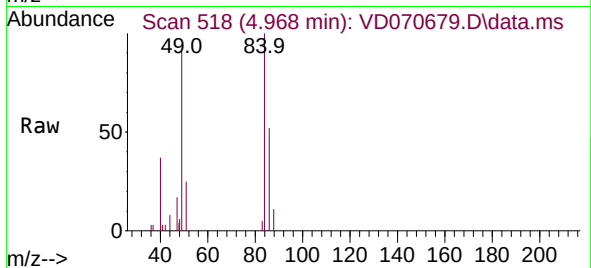
Tgt Ion: 43 Resp: 10930
Ion Ratio Lower Upper
43 100
58 36.1 28.2 42.2



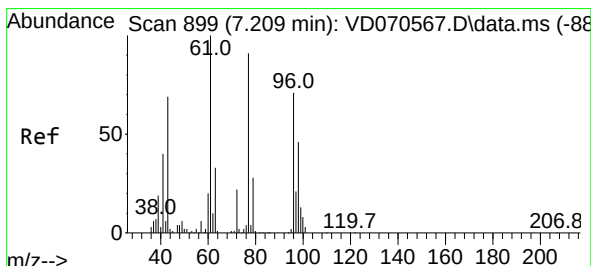
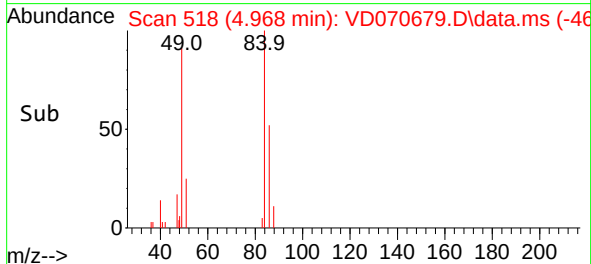
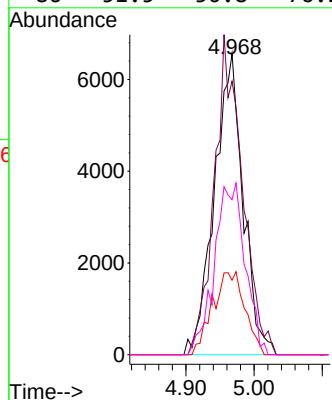


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

Instrument :
MSVOA_D
ClientSampleId :
T9-4-BOTTOM-GRAB

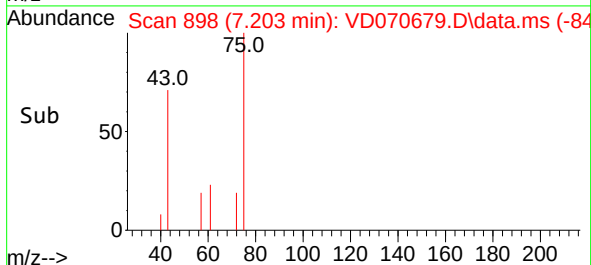
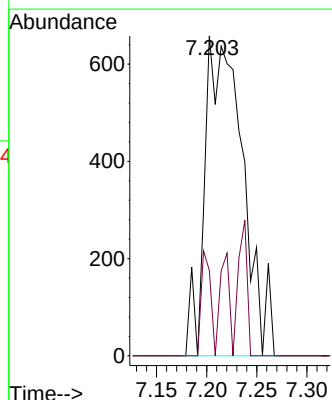
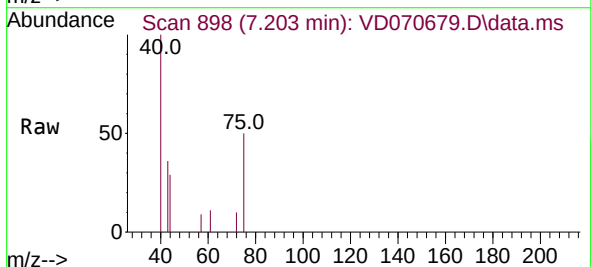


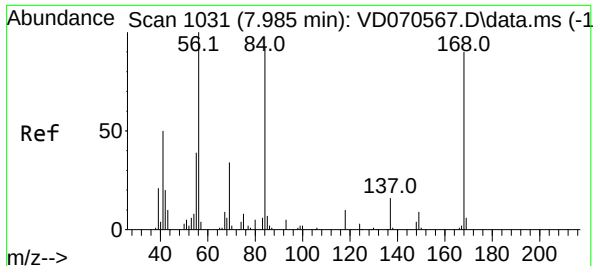
Tgt Ion:	84	Resp:	19223
Ion	Ratio	Lower	Upper
84	100		
49	90.9	91.4	137.2#
51	24.7	26.7	40.1#
86	51.5	50.8	76.2



#25
2-Butanone
Concen: 1.847 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

Tgt Ion:	43	Resp:	1734
Ion	Ratio	Lower	Upper
43	100		
72	26.7	25.2	37.8

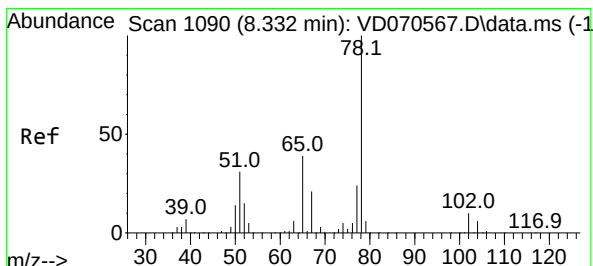
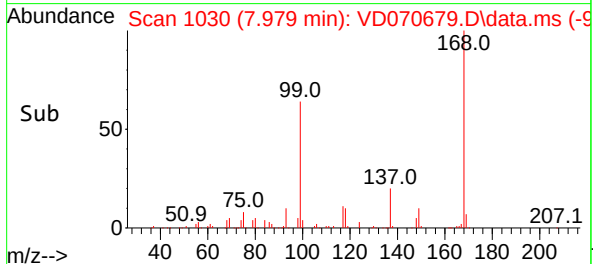
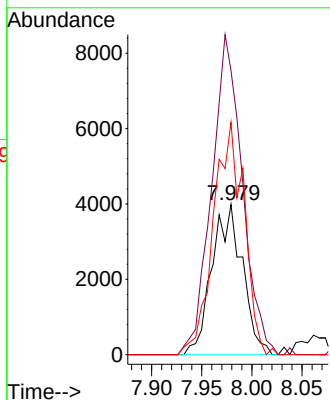
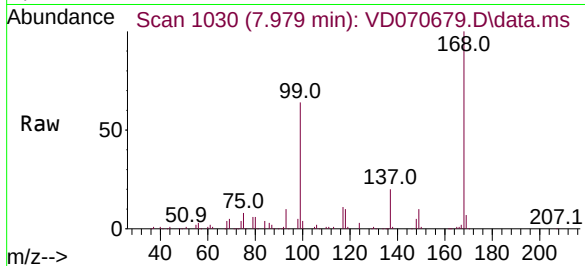




#31
Cyclohexane
Concen: 1.079 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

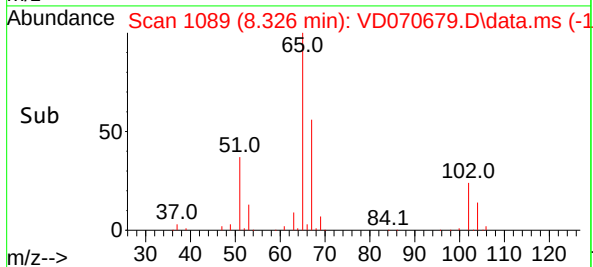
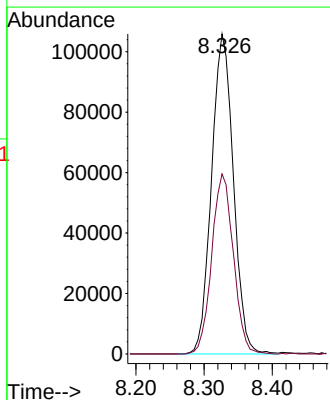
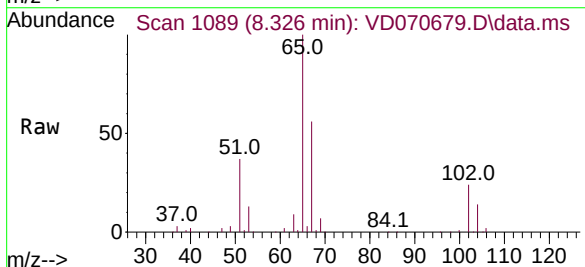
Instrument :
MSVOA_D
ClientSampleId :
T9-4-BOTTOM-GRAB

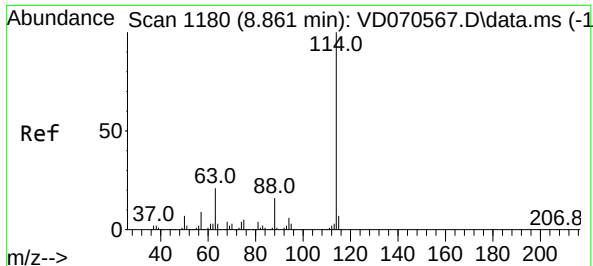
Tgt Ion:	56	Resp:	8436
Ion	Ratio	Lower	Upper
56	100		
69	189.1	27.4	41.2#
84	154.6	73.6	110.4#



#33
1,2-Dichloroethane-d4
Concen: 55.887 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

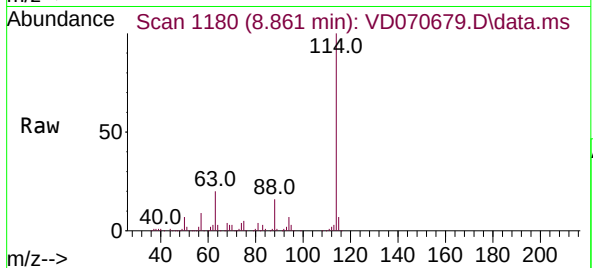
Tgt Ion:	65	Resp:	236049
Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	110.2



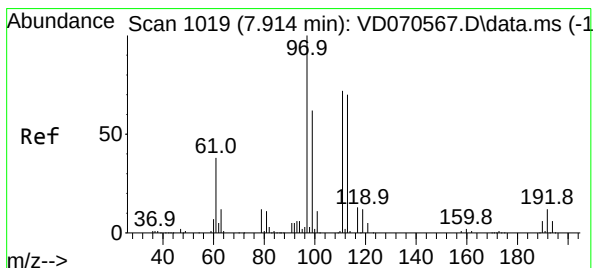
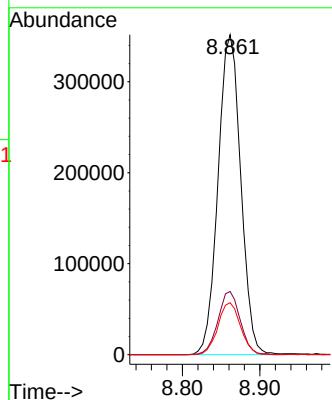
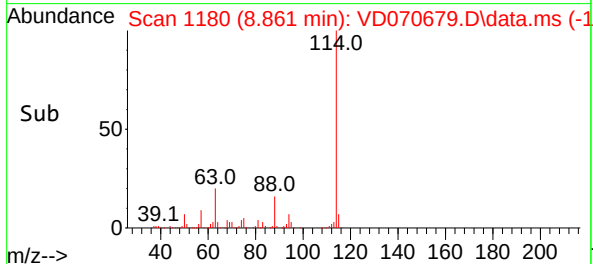


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

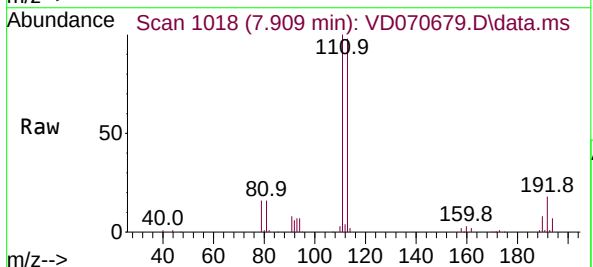
Instrument :
MSVOA_D
ClientSampleId :
T9-4-BOTTOM-GRAB



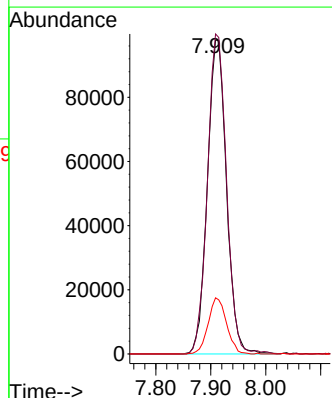
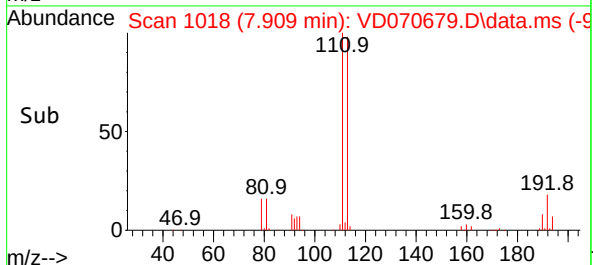
Tgt Ion:114 Resp: 717610
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.8
88 16.2 0.0 32.6

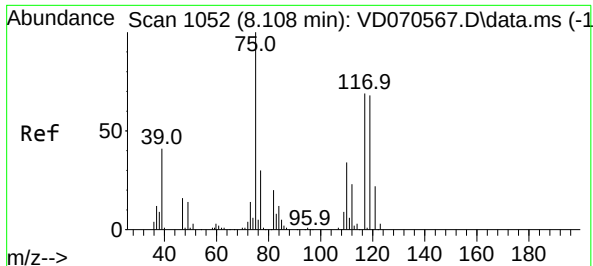


#35
Dibromofluoromethane
Concen: 49.533 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07



Tgt Ion:113 Resp: 236328
Ion Ratio Lower Upper
113 100
111 101.7 83.1 124.7
192 17.2 12.7 19.1

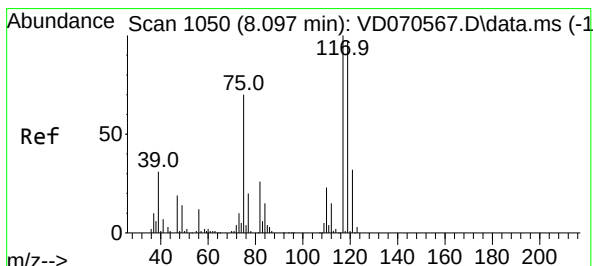
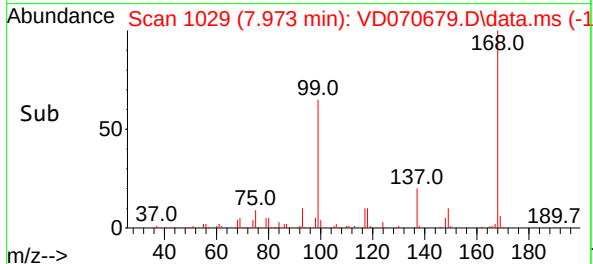
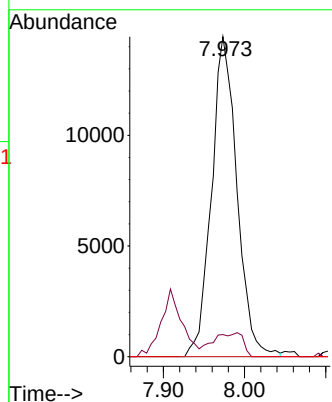
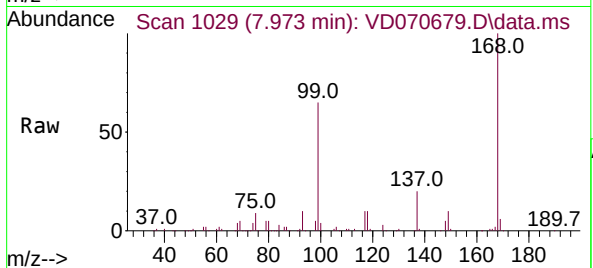




#36
1,1-Dichloropropene
Concen: 4.133 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

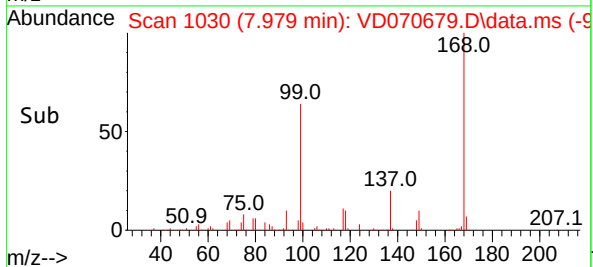
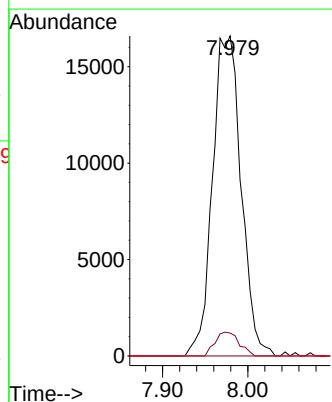
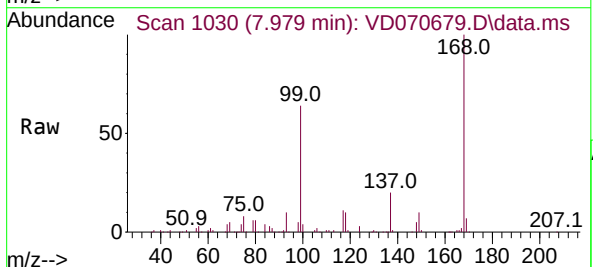
Instrument :
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T9-4-BOTTOM-GRAB

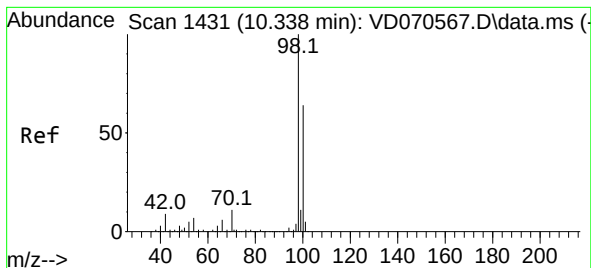
Tgt Ion: 75 Resp: 31500
Ion Ratio Lower Upper
75 100
110 9.0 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 4.846 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

Tgt Ion: 117 Resp: 38649
Ion Ratio Lower Upper
117 100
119 7.1 77.4 116.0#
121 0.0 25.4 38.0#

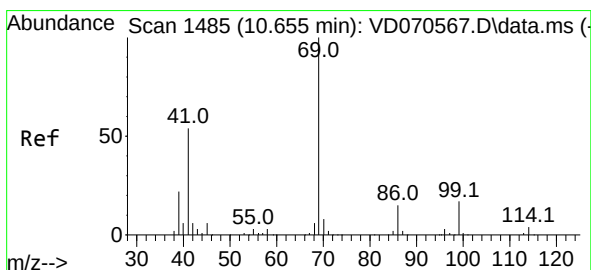
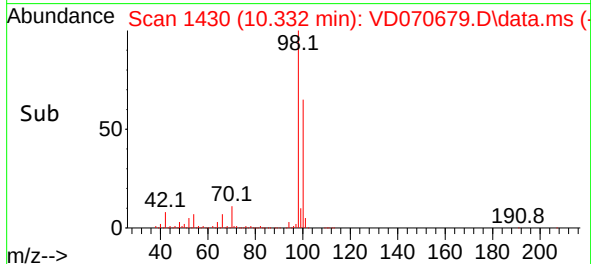
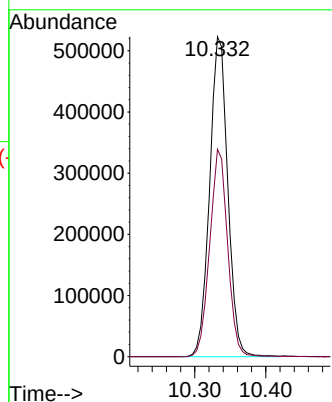
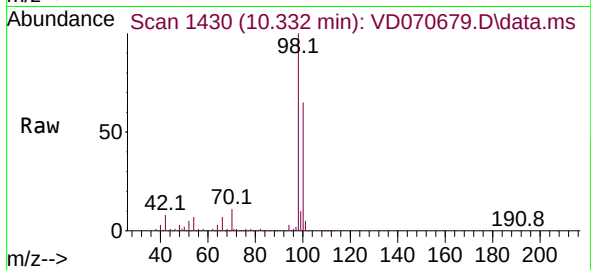




#50
Toluene-d8
Concen: 50.859 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

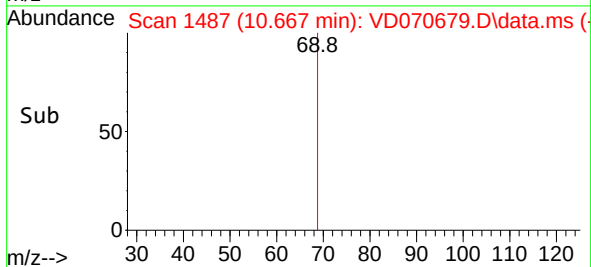
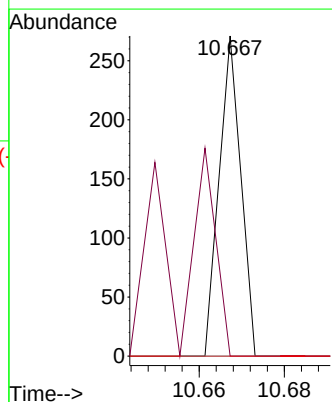
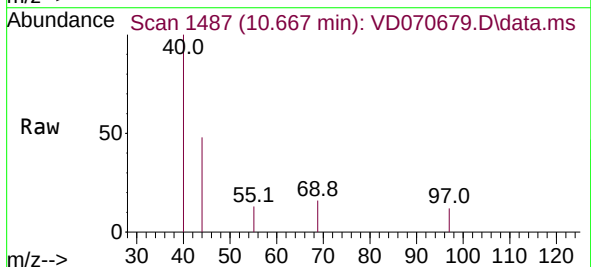
Instrument :
MSVOA_D
ClientSampleId :
T9-4-BOTTOM-GRAB

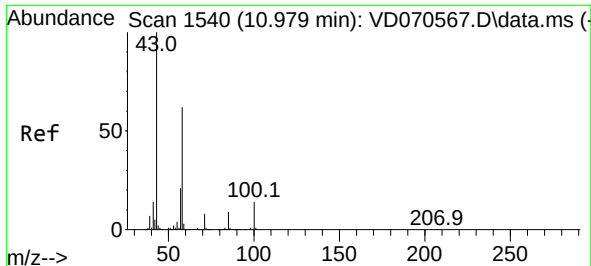
Tgt Ion: 98 Resp: 927637
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4



#56
Ethyl methacrylate
Concen: 1.393 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

Tgt Ion: 69 Resp: 96
Ion Ratio Lower Upper
69 100
41 125.0 44.7 67.1#
39 0.0 19.5 29.3#

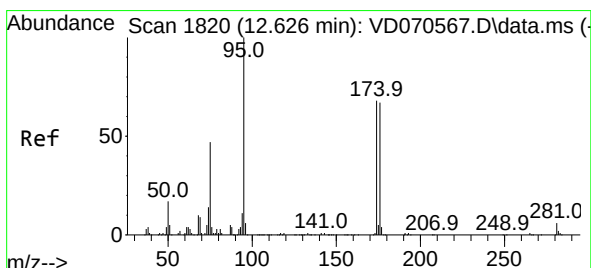
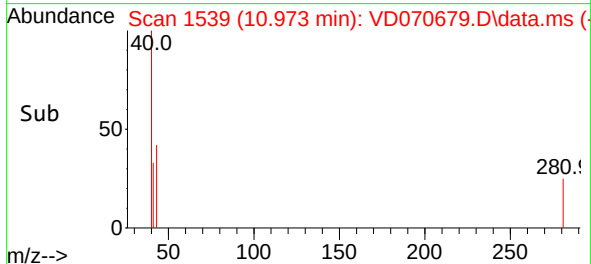
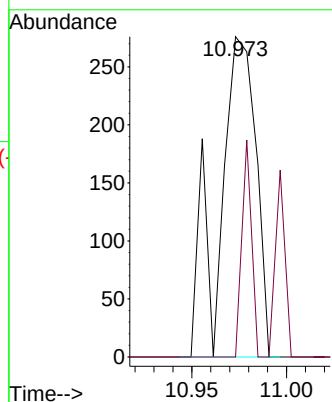
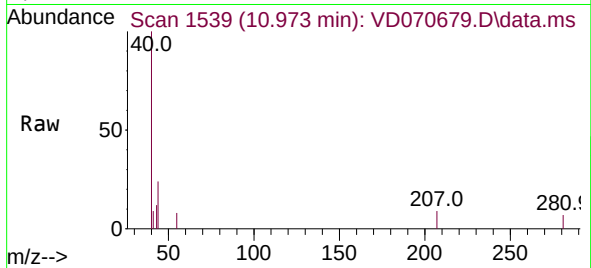




#59
2-Hexanone
Concen: Below Cal
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

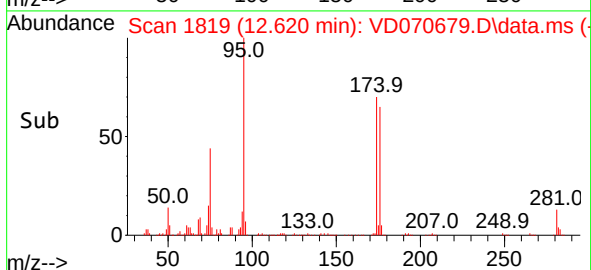
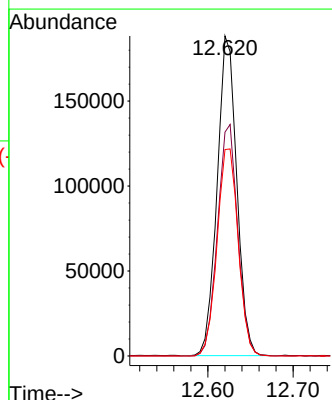
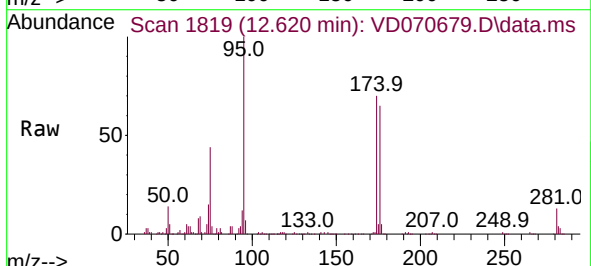
Instrument :
MSVOA_D
ClientSampleId :
T9-4-BOTTOM-GRAB

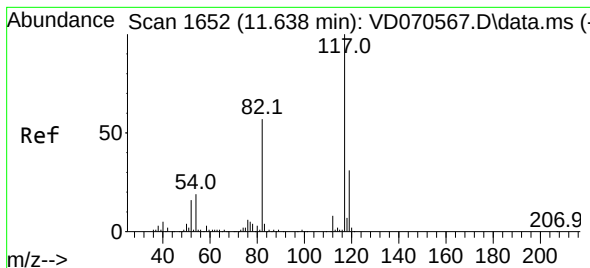
Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
58 17.7 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 49.416 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

Tgt Ion: 95 Resp: 301239
Ion Ratio Lower Upper
95 100
174 74.7 0.0 138.0
176 69.6 0.0 135.6

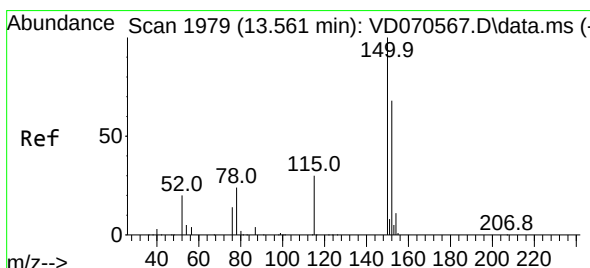
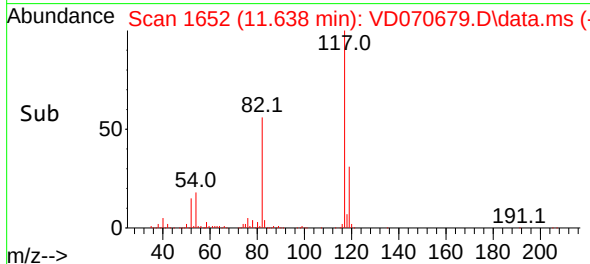
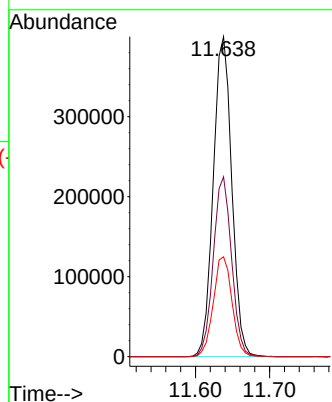
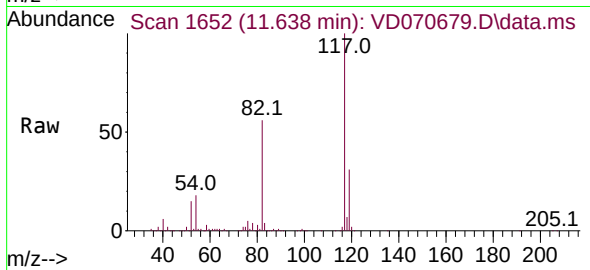




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

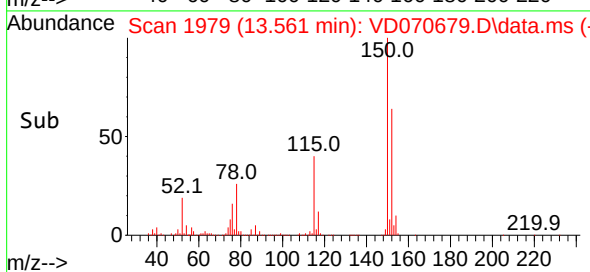
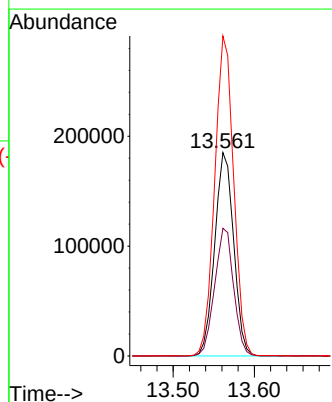
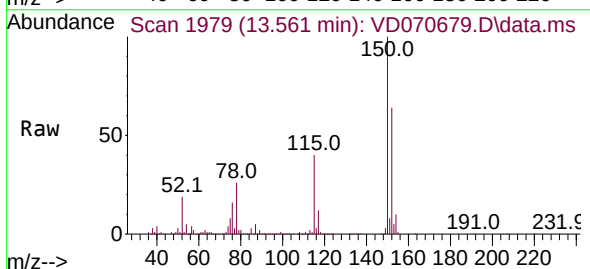
Instrument :
MSVOA_D
ClientSampleId :
T9-4-BOTTOM-GRAB

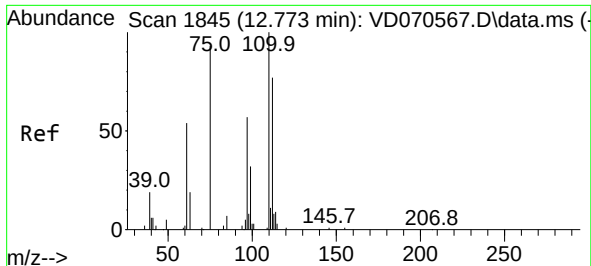
Tgt Ion:117 Resp: 693050
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.2
119 31.2 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

Tgt Ion:152 Resp: 300996
Ion Ratio Lower Upper
152 100
115 62.8 31.9 95.7
150 157.2 0.0 350.0

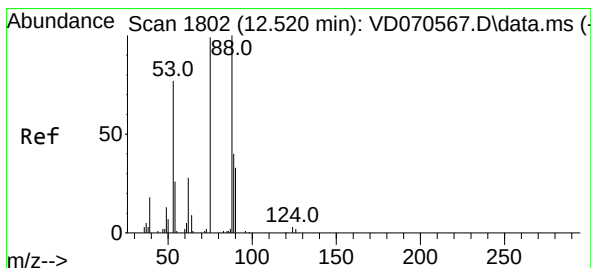
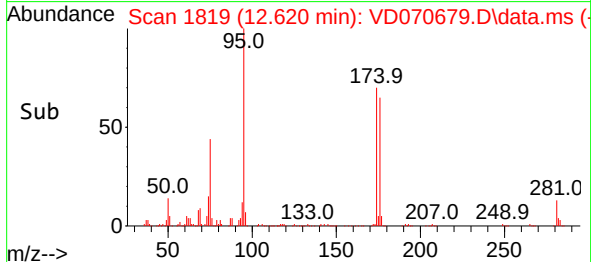
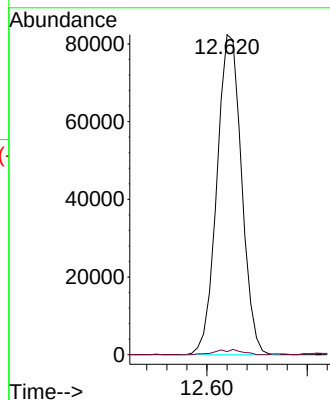
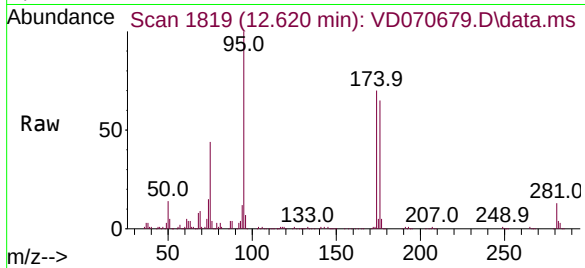




#76
1,2,3-Trichloropropane
Concen: 51.556 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

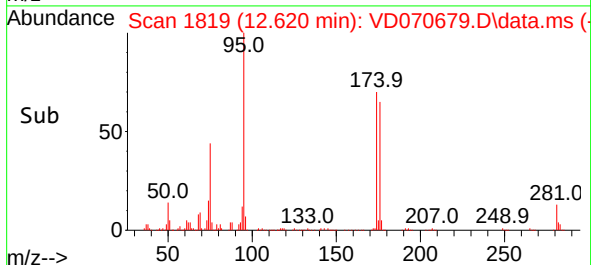
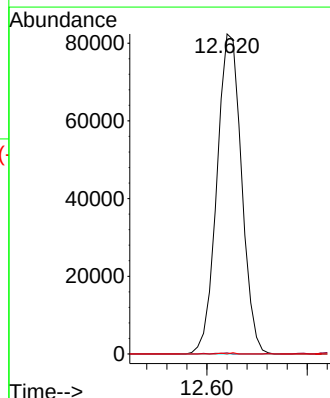
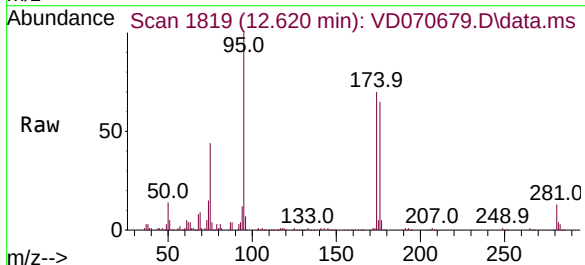
Instrument :
MSVOA_D
ClientSampleId :
T9-4-BOTTOM-GRAB

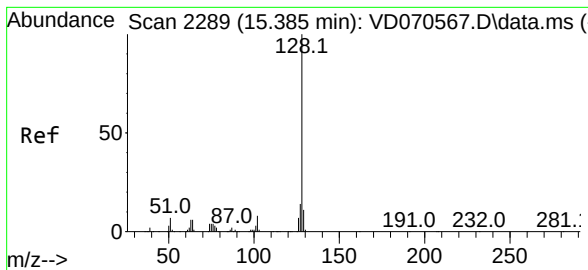
Tgt Ion: 75 Resp: 140457
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.464 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

Tgt Ion: 75 Resp: 140457
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.1 35.3 52.9#





#95
Naphthalene
Concen: 2.573 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070679.D
Acq: 12 Oct 2021 15:07

Instrument :
MSVOA_D
ClientSampleId :
T9-4-BOTTOM-GRAB

Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.7	10.9	16.3#
129	31.6	8.6	12.8#

