

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101221\
 Data File : VD070677.D
 Acq On : 12 Oct 2021 14:10
 Operator : VA/SY
 Sample : M4158-09
 Misc : 6.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T3-4-BOTTOM-GRAB

Quant Time: Oct 13 06:36:12 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)

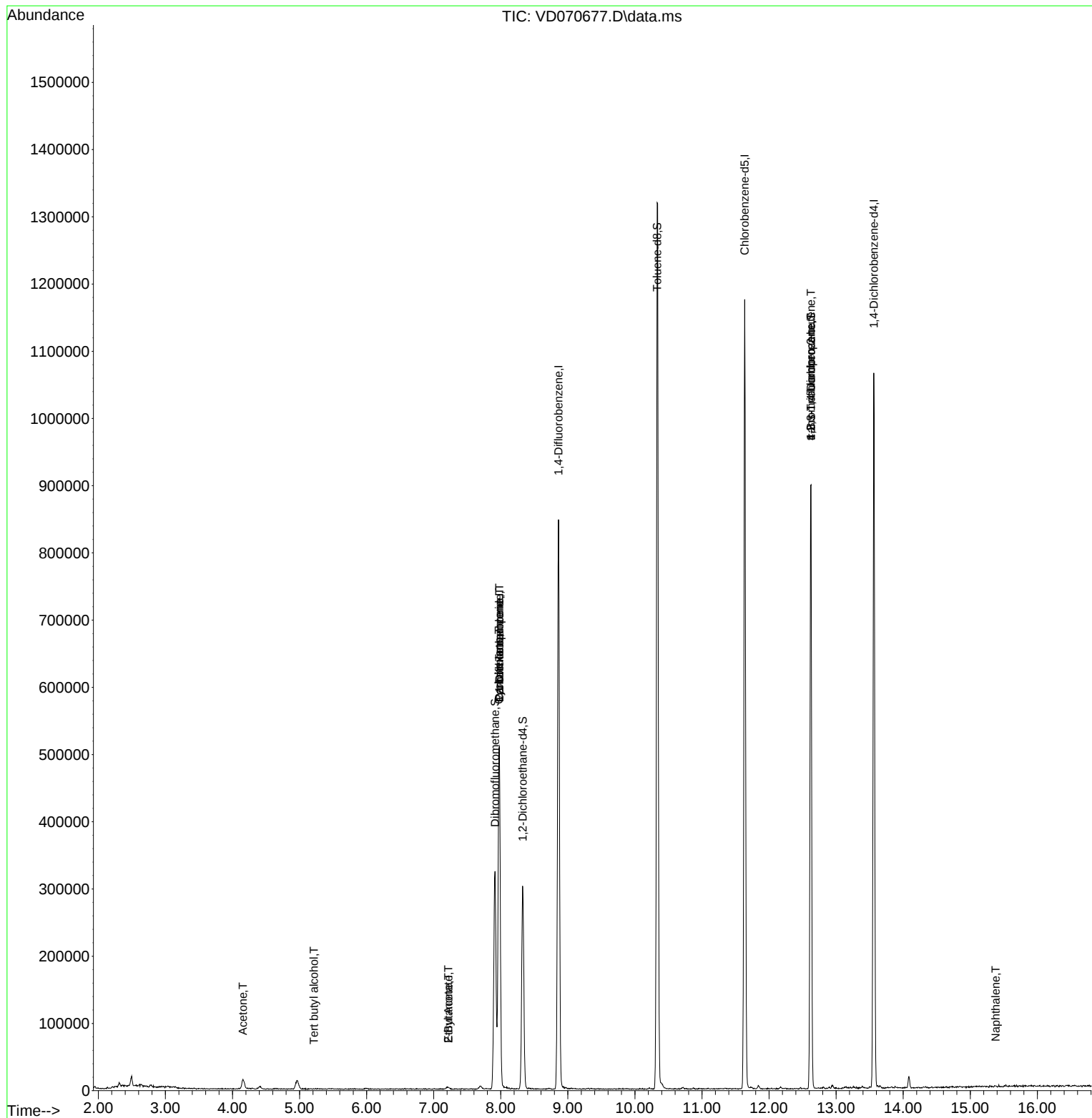
Internal Standards						
1) Pentafluorobenzene	7.979	168	372225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	738697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	697076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	284756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	242044	55.254	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.500%			
35) Dibromofluoromethane	7.914	113	239602	48.786	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.580%			
50) Toluene-d8	10.332	98	946748	50.426	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.626	95	296755	47.291	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.580%			
Target Compounds			Qvalue			
5) Bromomethane	2.779	94	2020	Below Cal		94
11) Tert butyl alcohol	5.214	59	291	1.341 ug/l #		83
16) Acetone	4.156	43	23925	32.162 ug/l #		77
20) Methylene Chloride	4.956	84	10608	Below Cal #		74
25) 2-Butanone	7.220	43	3480	3.573 ug/l		95
31) Cyclohexane	7.973	56	8293	1.022 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	32382	4.128 ug/l #		50
37) Ethyl Acetate	7.220	43	3480	1.335 ug/l #		65
38) Carbon Tetrachloride	7.979	117	40589	4.944 ug/l #		16
59) 2-Hexanone	10.967	43	410	Below Cal		93
76) 1,2,3-Trichloropropane	12.626	75	142560	55.313 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	142560	122.804 ug/l #		17
95) Naphthalene	15.379	128	419	2.534 ug/l #		69

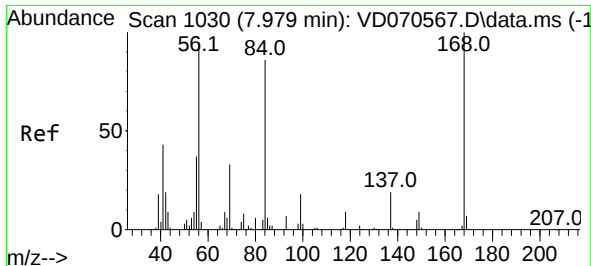
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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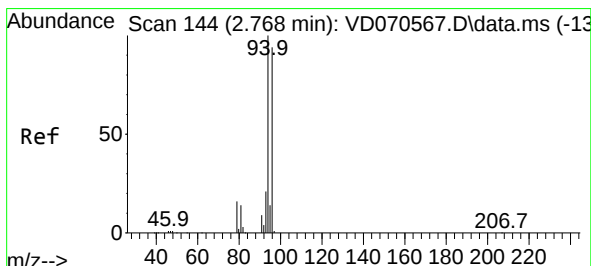
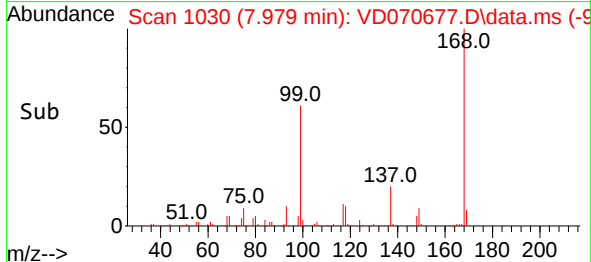
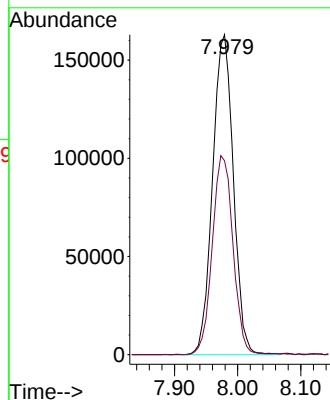
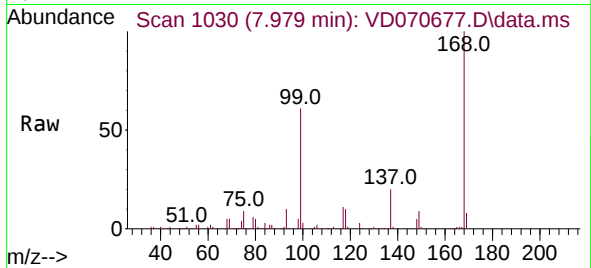




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

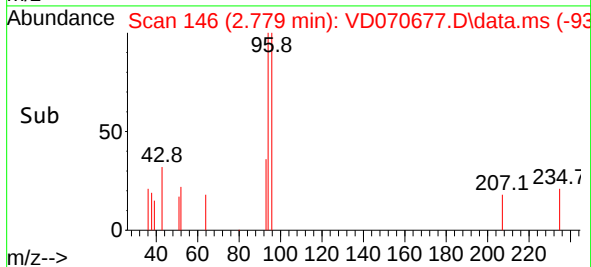
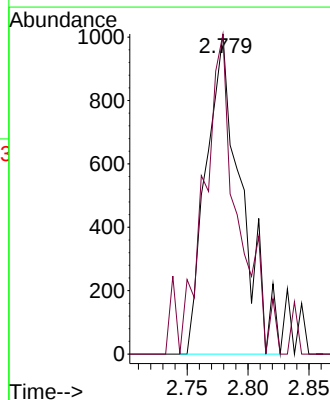
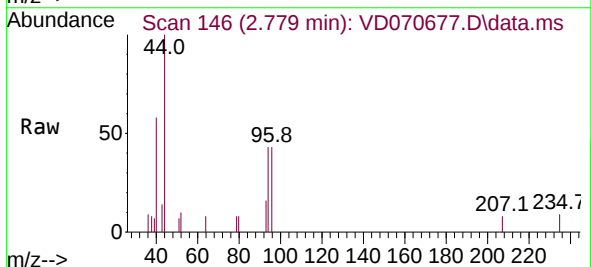
Instrument :
MSVOA_D
ClientSampleId :
T3-4-BOTTOM-GRAB

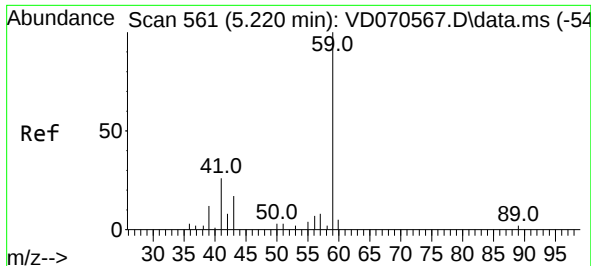
Tgt Ion:168 Resp: 372225
Ion Ratio Lower Upper
168 100
99 60.5 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

Tgt Ion: 94 Resp: 2020
Ion Ratio Lower Upper
94 100
96 99.9 75.5 113.3



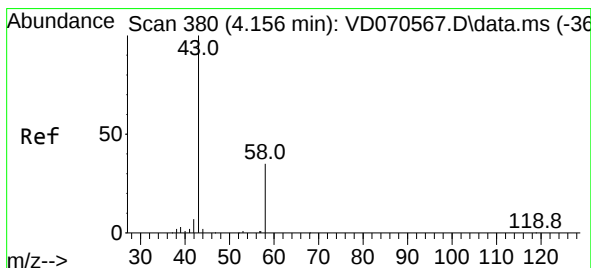
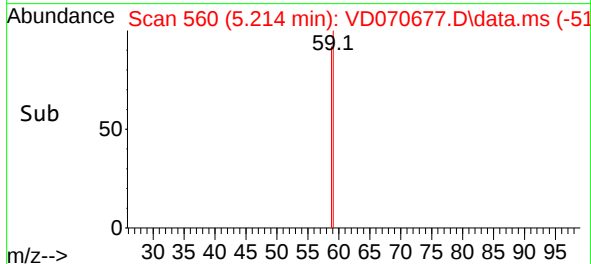
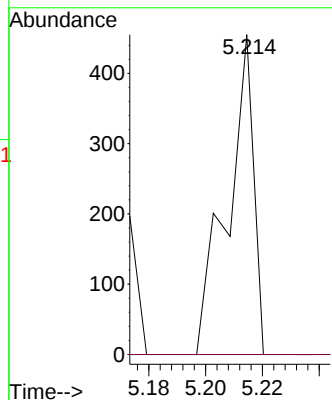
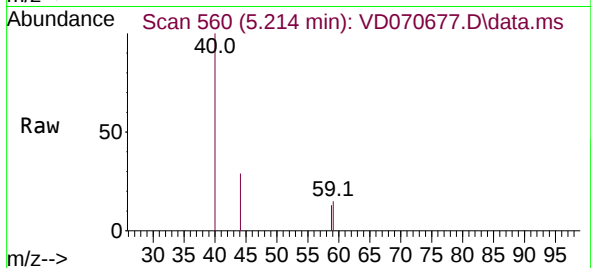


#11

Tert butyl alcohol
Concen: 1.341 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

Instrument :
MSVOA_D
ClientSampleId :
T3-4-BOTTOM-GRAB

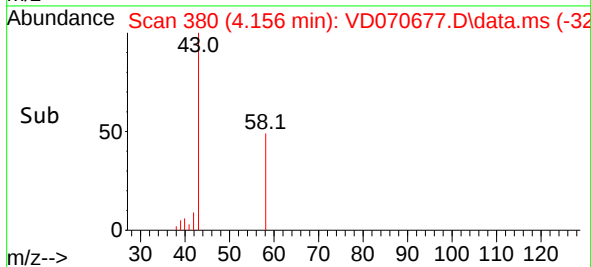
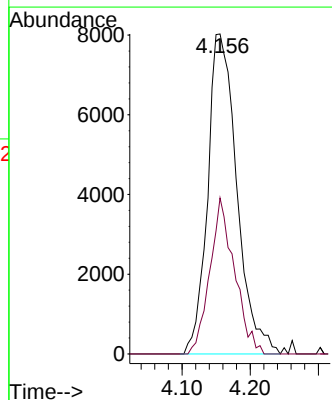
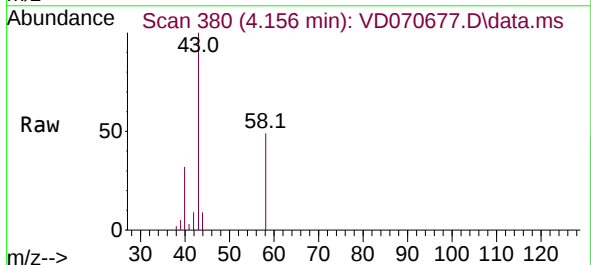
Tgt Ion: 59 Resp: 291
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

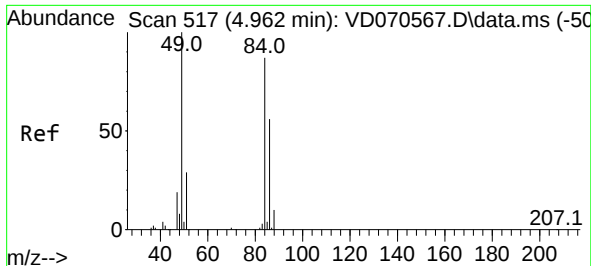


#16

Acetone
Concen: 32.162 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

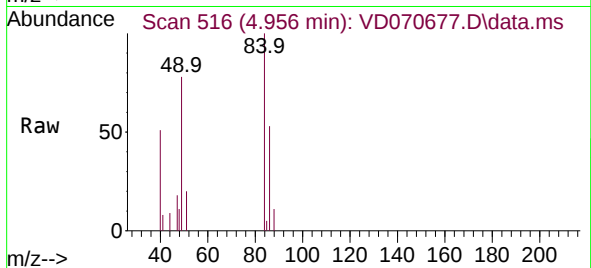
Tgt Ion: 43 Resp: 23925
Ion Ratio Lower Upper
43 100
58 48.7 28.2 42.2#



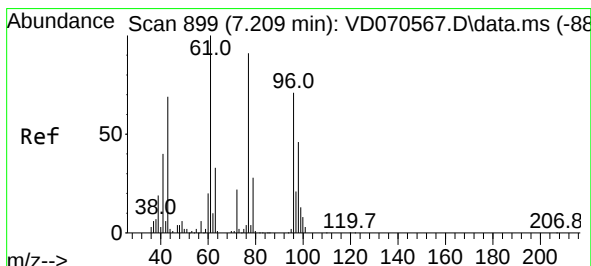
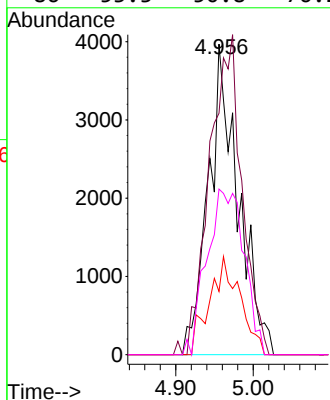
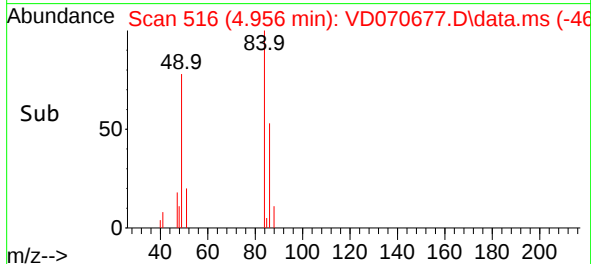


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

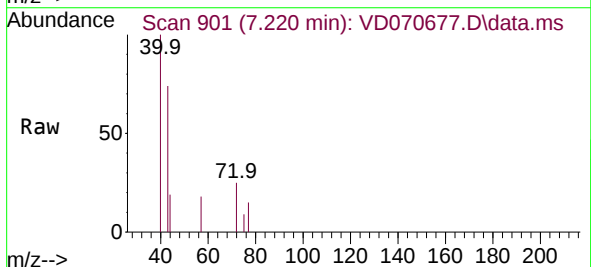
Instrument :
MSVOA_D
ClientSampleId :
T3-4-BOTTOM-GRAB



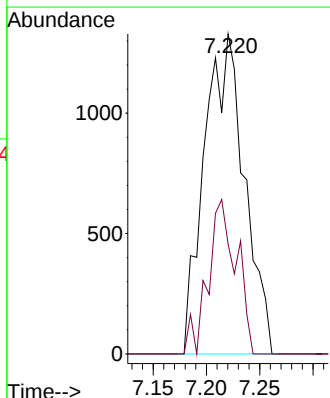
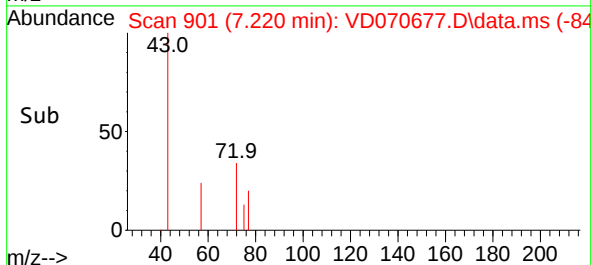
Tgt Ion: 84 Resp: 10608
Ion Ratio Lower Upper
84 100
49 77.8 91.4 137.2#
51 20.3 26.7 40.1#
86 53.3 50.8 76.2

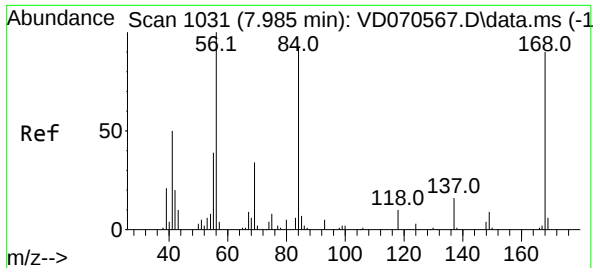


#25
2-Butanone
Concen: 3.573 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10



Tgt Ion: 43 Resp: 3480
Ion Ratio Lower Upper
43 100
72 34.3 25.2 37.8

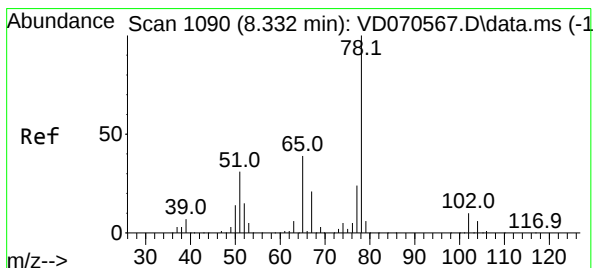
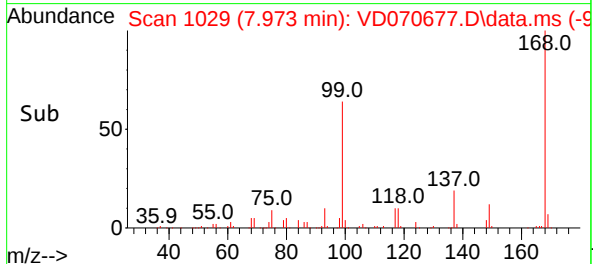
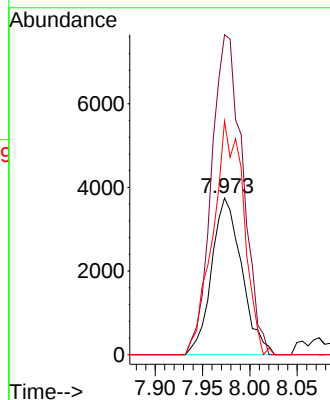
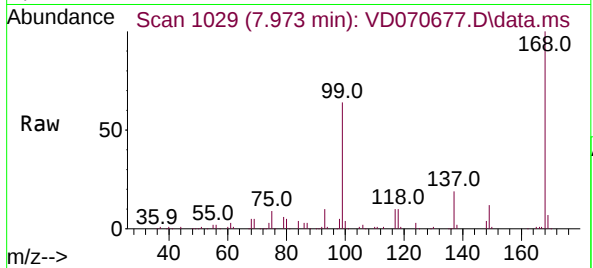




#31
Cyclohexane
Concen: 1.022 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

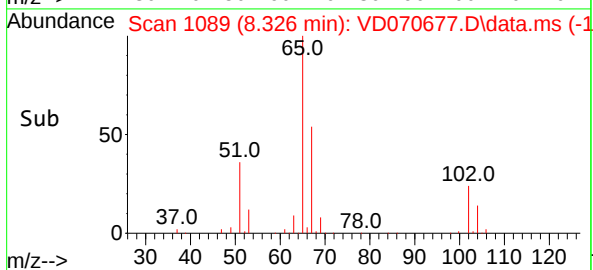
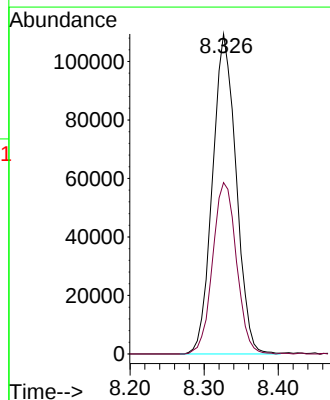
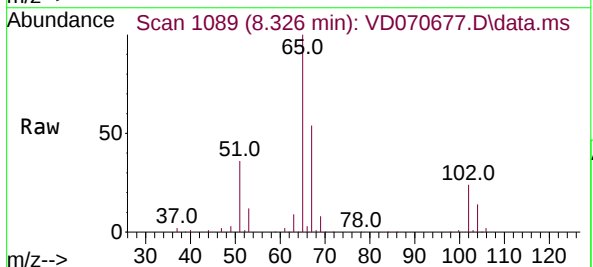
Instrument :
MSVOA_D
ClientSampleId :
T3-4-BOTTOM-GRAB

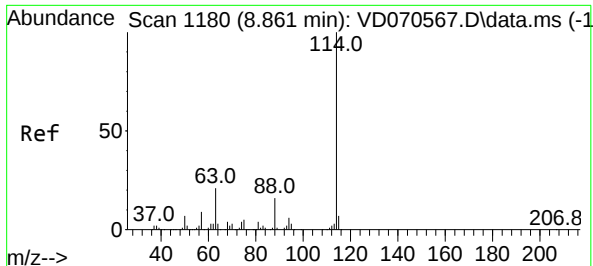
Tgt Ion: 56 Resp: 8293
Ion Ratio Lower Upper
56 100
69 204.4 27.4 41.2#
84 149.3 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 55.254 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

Tgt Ion: 65 Resp: 242044
Ion Ratio Lower Upper
65 100
67 54.0 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

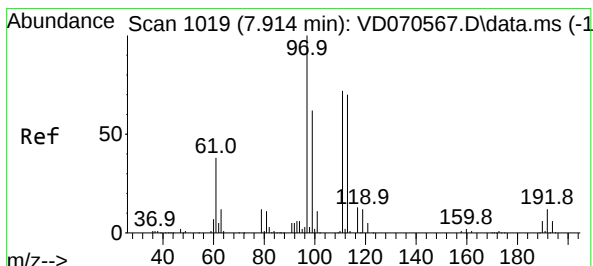
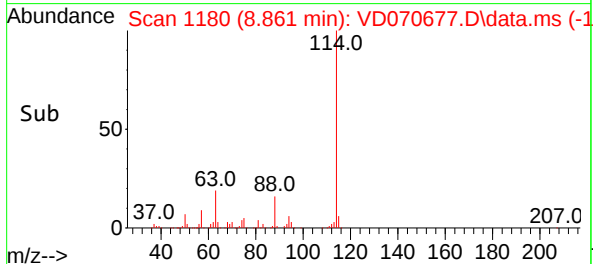
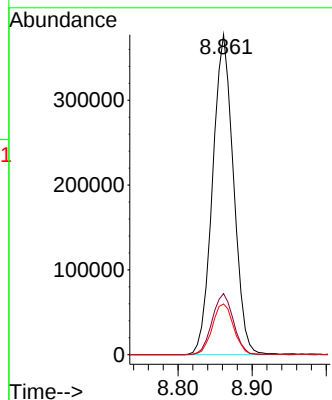
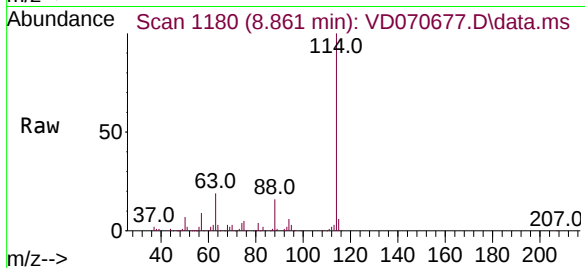
Lab File: VD070677.D

Acq: 12 Oct 2021 14:10

Tgt Ion:114 Resp: 738697

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	41.8
88	15.8	0.0	32.6



#35

Dibromofluoromethane

Concen: 48.786 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

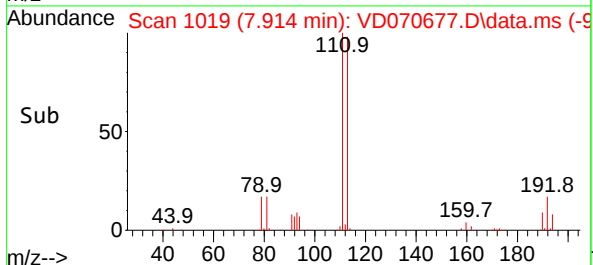
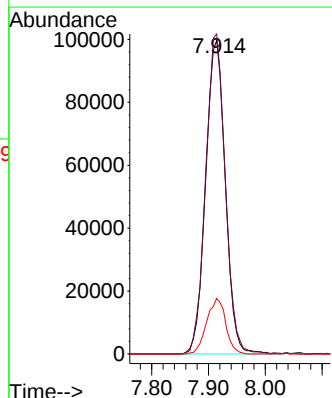
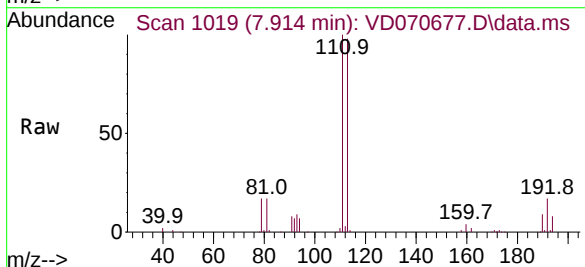
Lab File: VD070677.D

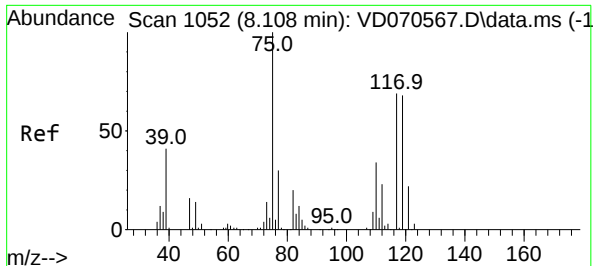
Acq: 12 Oct 2021 14:10

Tgt Ion:113 Resp: 239602

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.1	124.7
192	17.1	12.7	19.1

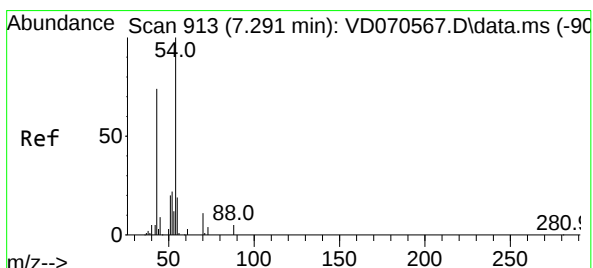
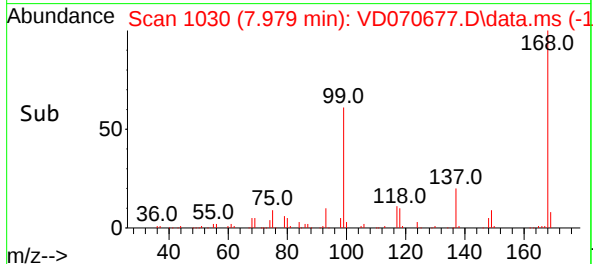
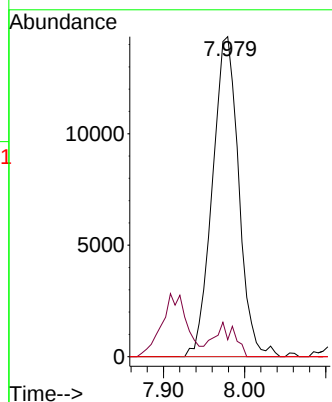
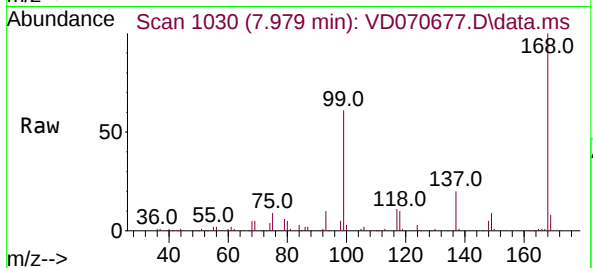




#36
1,1-Dichloropropene
Concen: 4.128 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

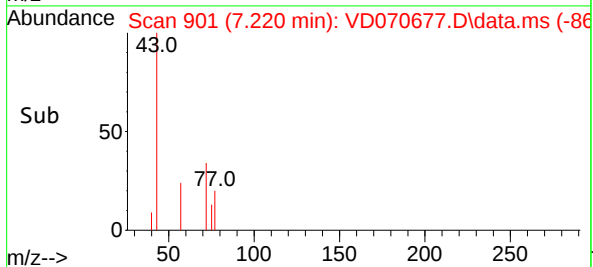
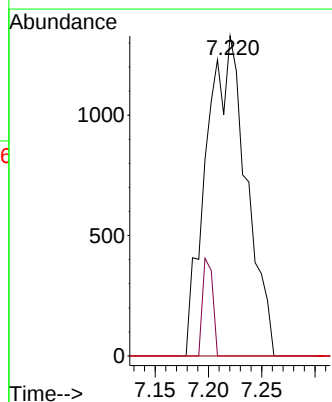
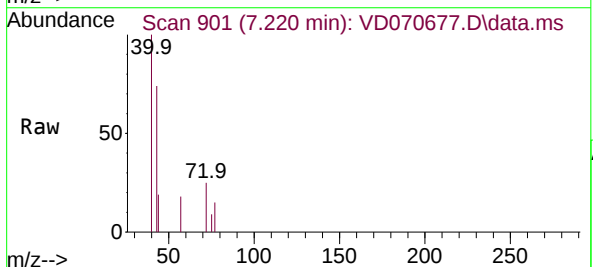
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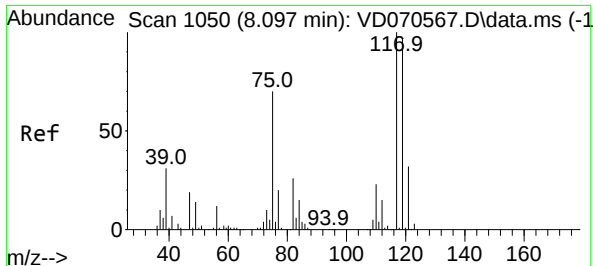
Tgt Ion: 75 Resp: 32382
Ion Ratio Lower Upper
75 100
110 8.1 17.2 51.6#
77 0.0 24.2 36.4#



#37
Ethyl Acetate
Concen: 1.335 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.071 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

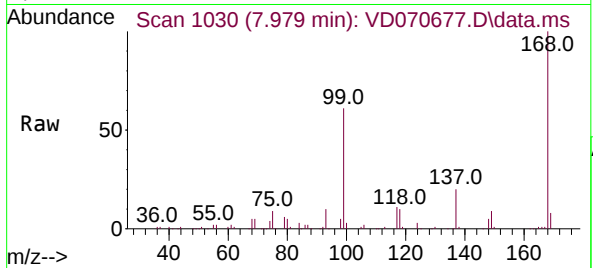
Tgt Ion: 43 Resp: 3480
Ion Ratio Lower Upper
43 100
61 0.0 12.9 19.3#
70 0.0 9.9 14.9#



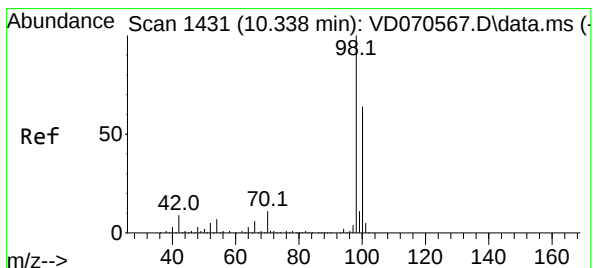
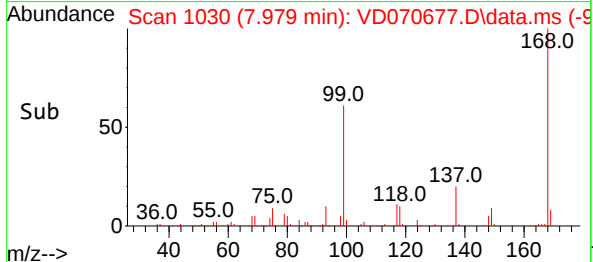
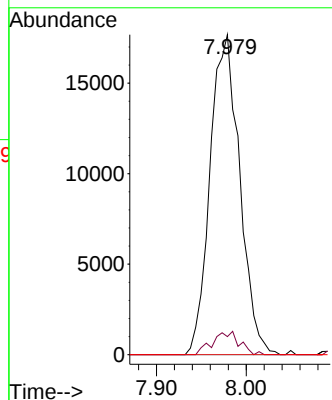


#38
Carbon Tetrachloride
Concen: 4.944 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

Instrument :
MSVOA_D
ClientSampleId :
T3-4-BOTTOM-GRAB

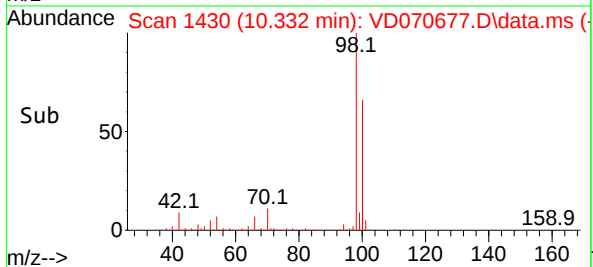
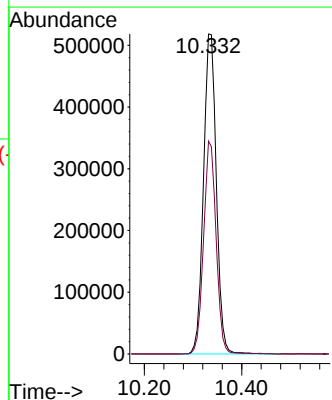
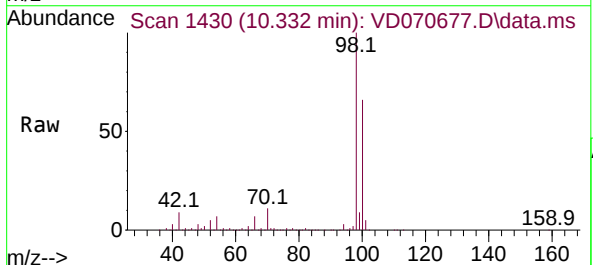


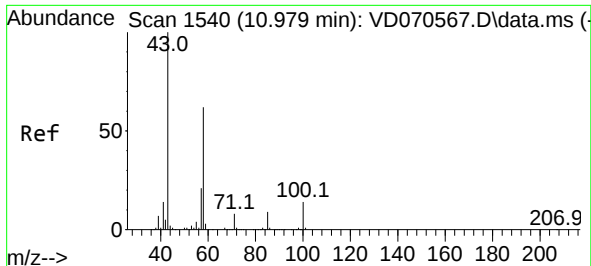
Tgt Ion:117 Resp: 40589
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 50.426 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

Tgt Ion: 98 Resp: 946748
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

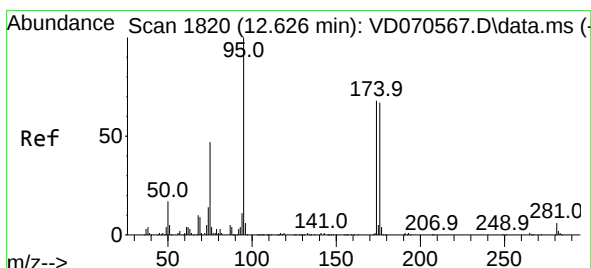
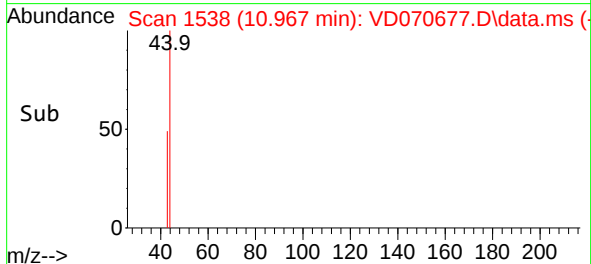
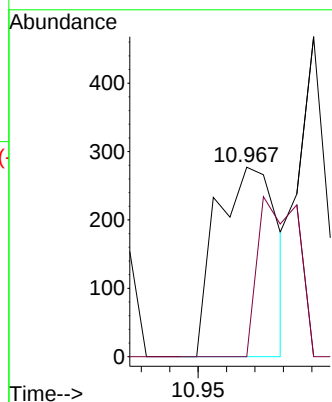
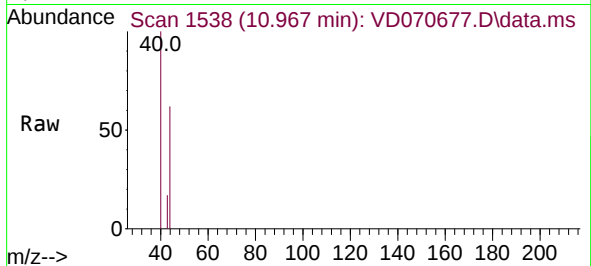




#59
2-Hexanone
Concen: Below Cal
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

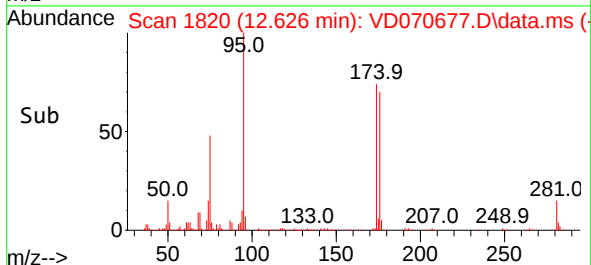
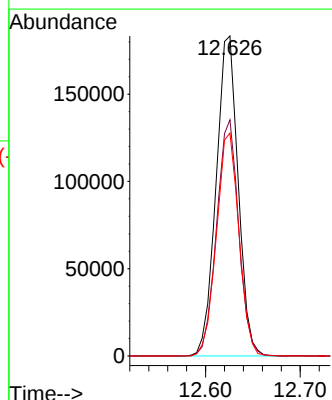
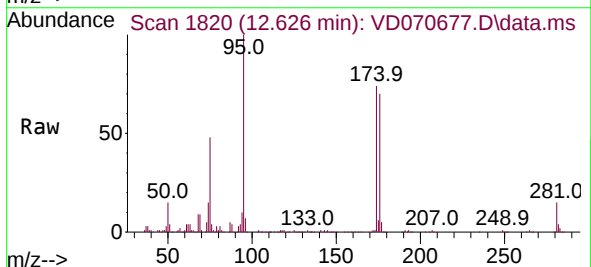
Instrument :
MSVOA_D
ClientSampleId :
T3-4-BOTTOM-GRAB

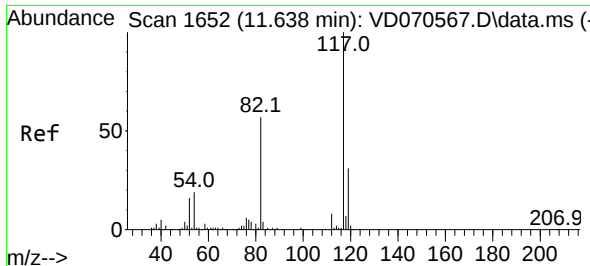
Tgt Ion: 43 Resp: 410
Ion Ratio Lower Upper
43 100
58 55.9 30.4 91.3



#62
4-Bromofluorobenzene
Concen: 47.291 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

Tgt Ion: 95 Resp: 296755
Ion Ratio Lower Upper
95 100
174 73.9 0.0 138.0
176 70.9 0.0 135.6

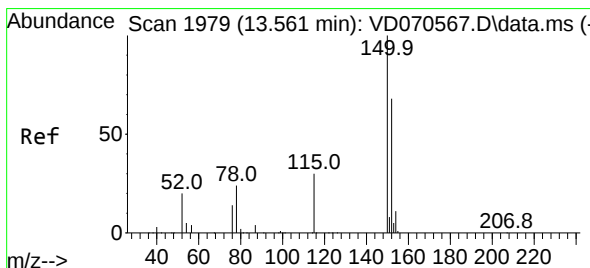
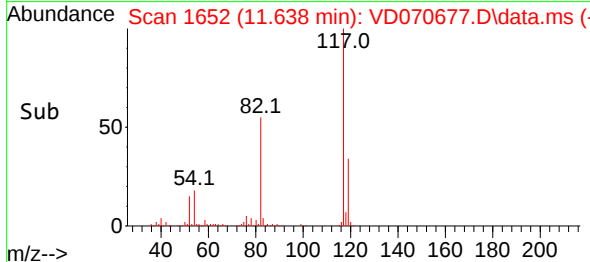
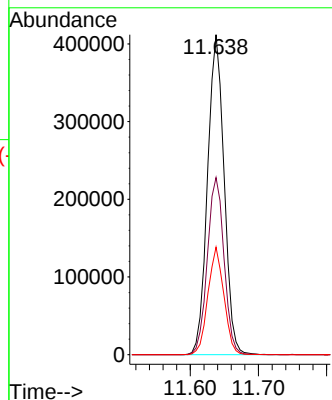
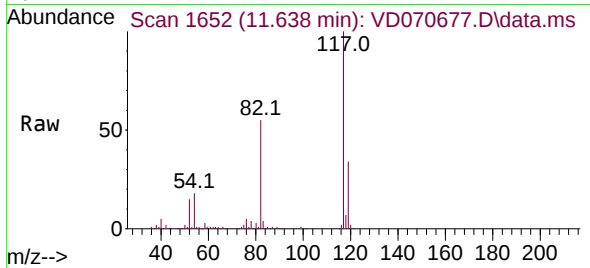




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

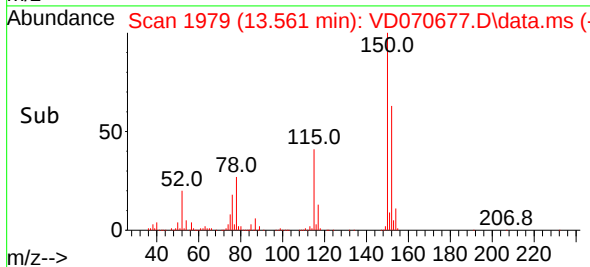
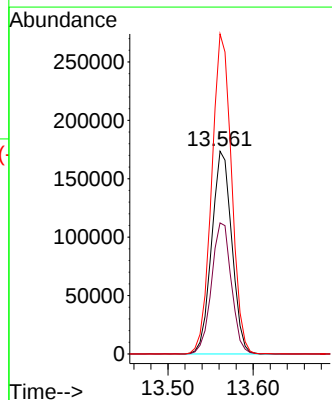
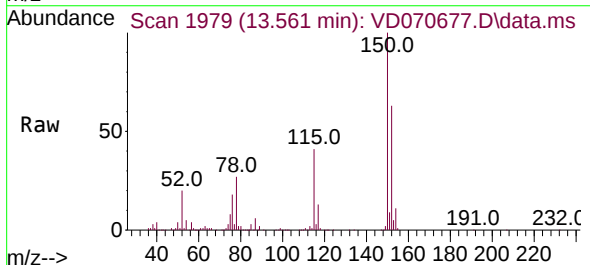
Instrument :
MSVOA_D
ClientSampleId :
T3-4-BOTTOM-GRAB

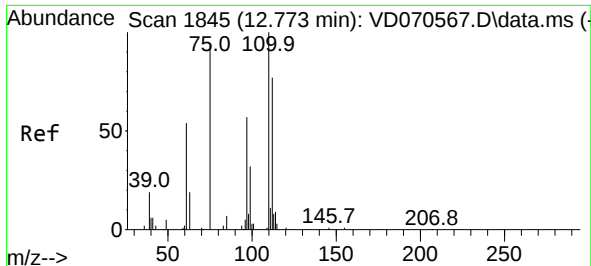
Tgt Ion:117 Resp: 697076
Ion Ratio Lower Upper
117 100
82 55.3 45.4 68.2
119 33.6 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

Tgt Ion:152 Resp: 284756
Ion Ratio Lower Upper
152 100
115 63.7 31.9 95.7
150 155.7 0.0 350.0

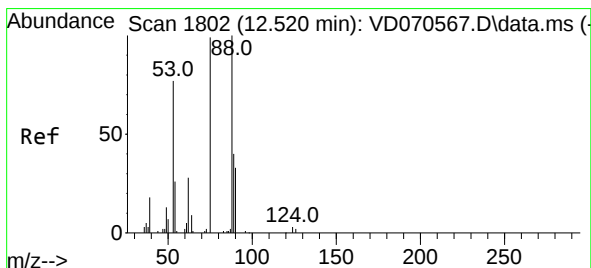
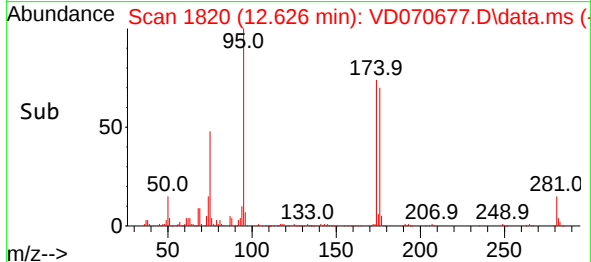
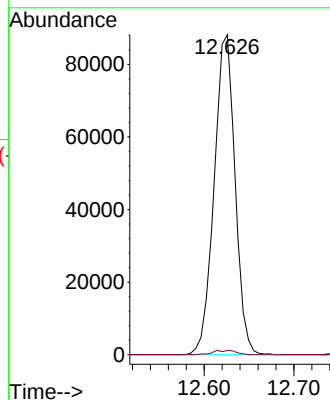
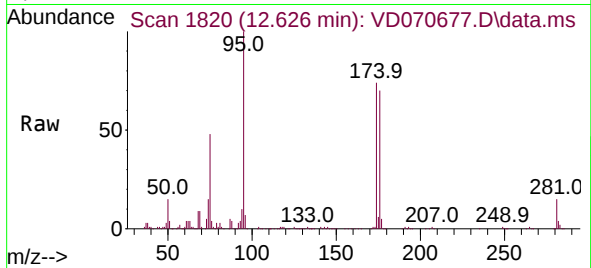




#76
1,2,3-Trichloropropane
Concen: 55.313 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

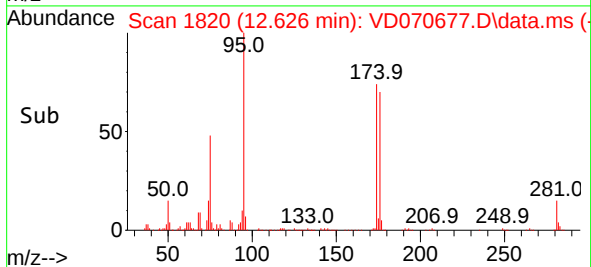
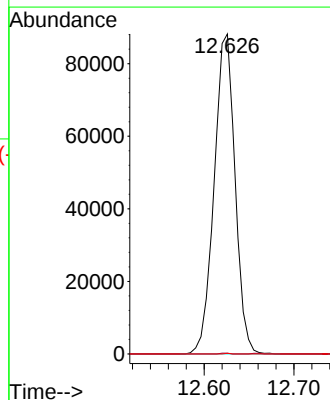
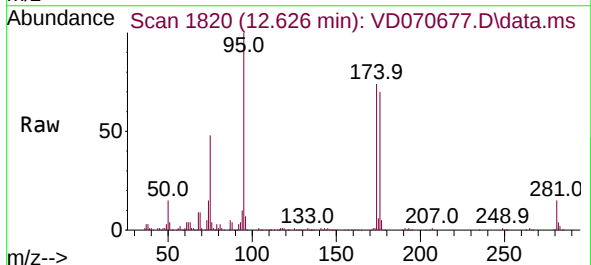
Instrument :
MSVOA_D
ClientSampleId :
T3-4-BOTTOM-GRAB

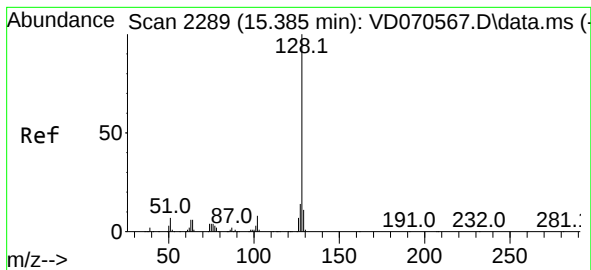
Tgt Ion: 75 Resp: 142560
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.804 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

Tgt Ion: 75 Resp: 142560
Ion Ratio Lower Upper
75 100
53 0.1 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.534 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070677.D
Acq: 12 Oct 2021 14:10

Instrument :
MSVOA_D
ClientSampleId :
T3-4-BOTTOM-GRAB

Tgt Ion:128 Resp: 419
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

