

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070668.D
 Acq On : 11 Oct 2021 19:01
 Operator : VA/SY
 Sample : M4141-01
 Misc : 5.37G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20-20211007-WC

Quant Time: Oct 12 05:43:21 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)

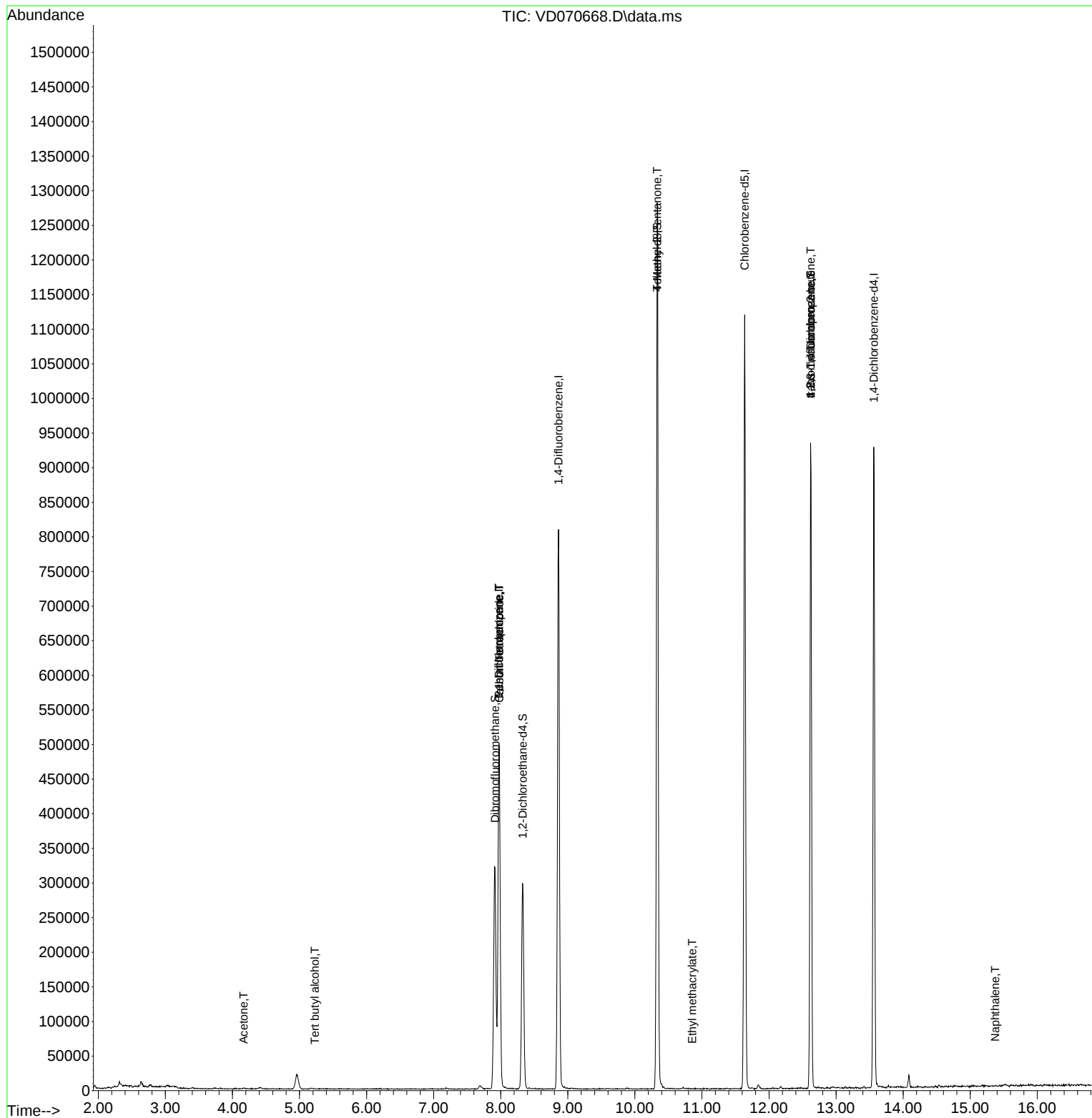
Internal Standards						
1) Pentafluorobenzene	7.973	168	358440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	707074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	658485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	242804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	236734	56.120	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.240%			
35) Dibromofluoromethane	7.914	113	242167	51.513	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.020%			
50) Toluene-d8	10.332	98	907561	50.500	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.000%			
62) 4-Bromofluorobenzene	12.620	95	275034	45.790	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.580%			
Target Compounds						
5) Bromomethane	2.768	94	1728	Below Cal	Qvalue 90	
11) Tert butyl alcohol	5.226	59	700	3.350 ug/l #	83	
16) Acetone	4.168	43	1704	2.379 ug/l	96	
20) Methylene Chloride	4.967	84	17210	Below Cal	92	
36) 1,1-Dichloropropene	7.973	75	30887	4.113 ug/l #	51	
38) Carbon Tetrachloride	7.979	117	39505	5.027 ug/l #	16	
51) 4-Methyl-2-Pentanone	10.332	43	2931	1.243 ug/l #	1	
56) Ethyl methacrylate	10.855	69	76	1.389 ug/l #	32	
59) 2-Hexanone	11.061	43	60	Below Cal #	20	
76) 1,2,3-Trichloropropane	12.620	75	130947	59.585 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.620	75	130947	132.290 ug/l #	18	
95) Naphthalene	15.373	128	475	2.548 ug/l #	69	

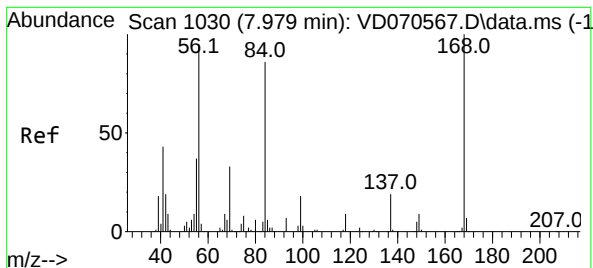
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 2021
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: VD070668.D

Acq: 11 Oct 2021 19:01

Instrument :

MSVOA_D

ClientSampleId :

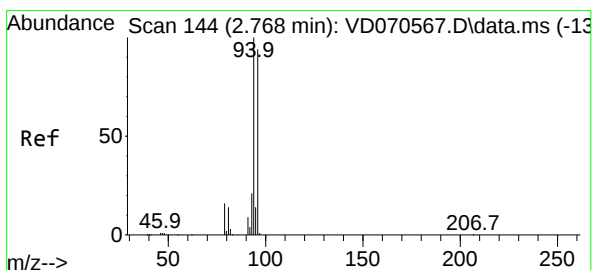
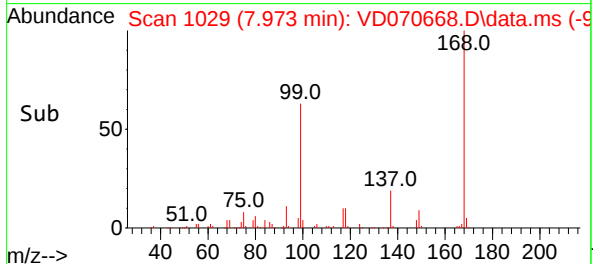
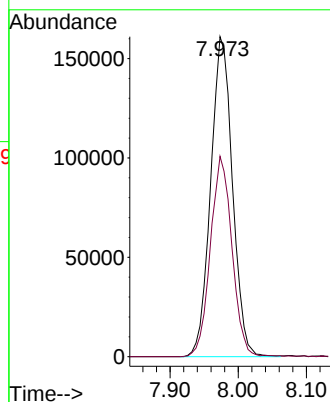
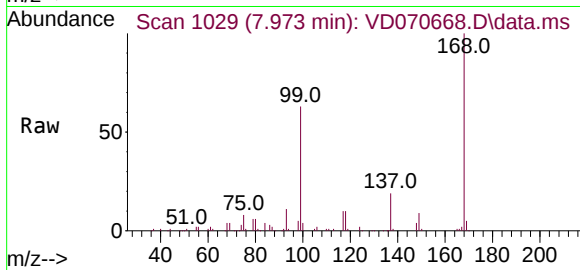
20-20211007-WC

Tgt Ion:168 Resp: 358440

Ion Ratio Lower Upper

168 100

99 62.6 51.4 77.0



#5

Bromomethane

Concen: Below Cal

RT: 2.768 min Scan# 144

Delta R.T. -0.000 min

Lab File: VD070668.D

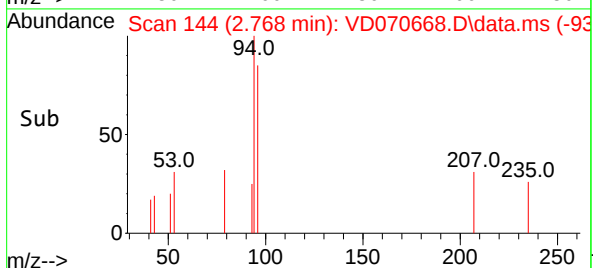
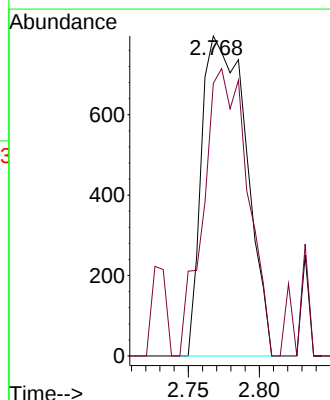
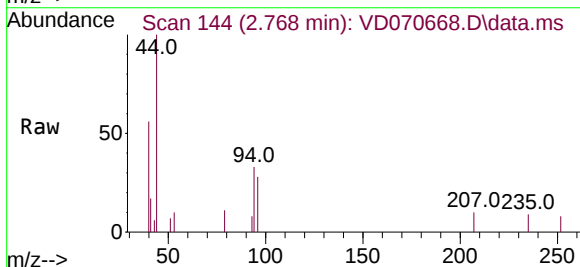
Acq: 11 Oct 2021 19:01

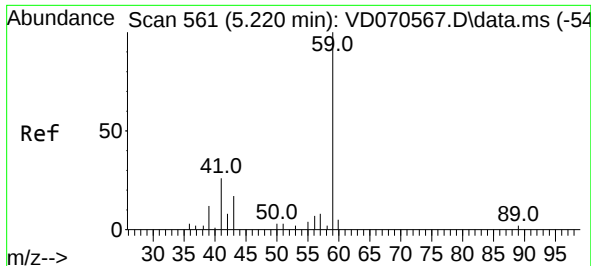
Tgt Ion: 94 Resp: 1728

Ion Ratio Lower Upper

94 100

96 85.2 75.5 113.3



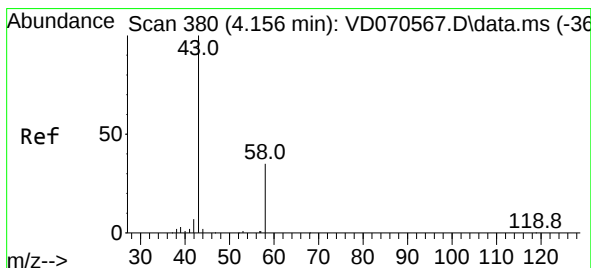
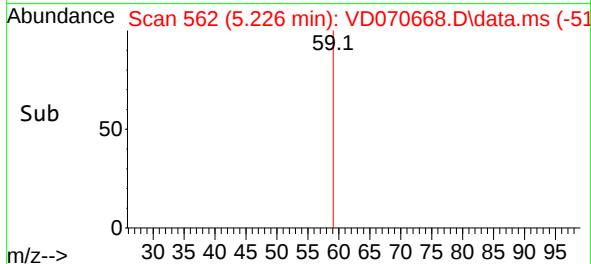
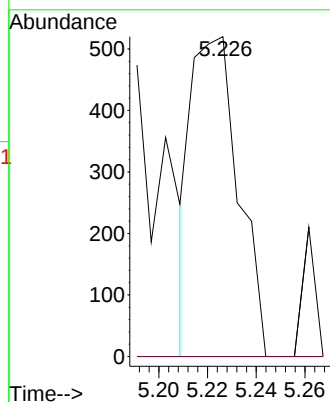
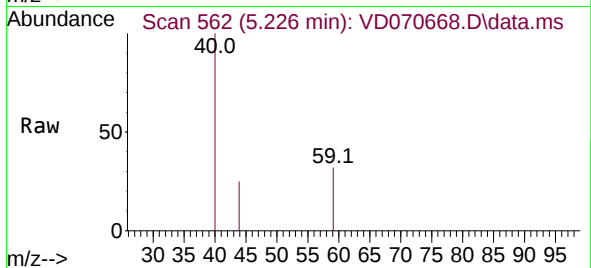


#11

Tert butyl alcohol
Concen: 3.350 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

Instrument :
MSVOA_D
ClientSampleId :
20-20211007-WC

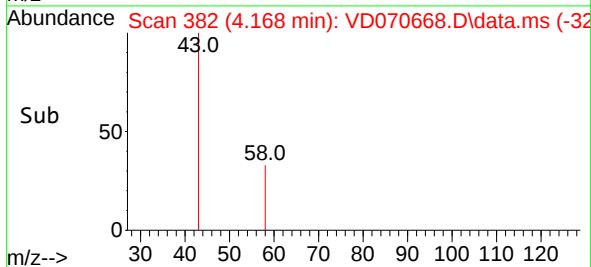
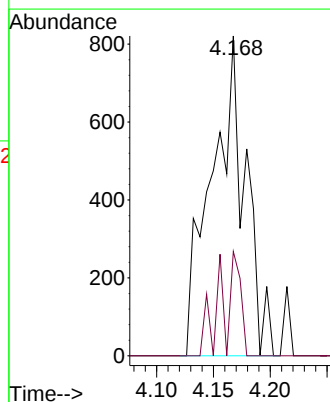
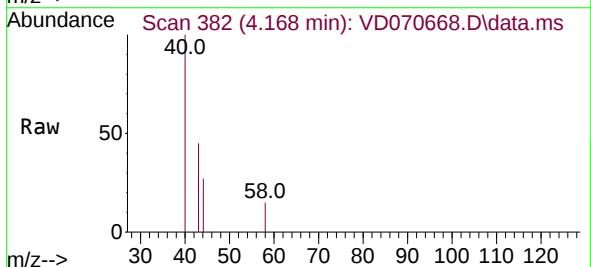
Tgt Ion: 59 Resp: 700
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

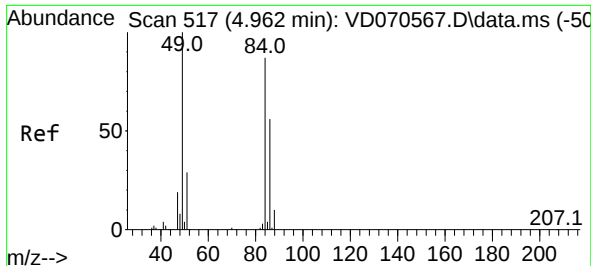


#16

Acetone
Concen: 2.379 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

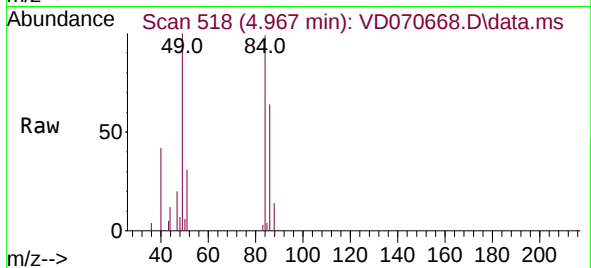
Tgt Ion: 43 Resp: 1704
Ion Ratio Lower Upper
43 100
58 32.6 28.2 42.2



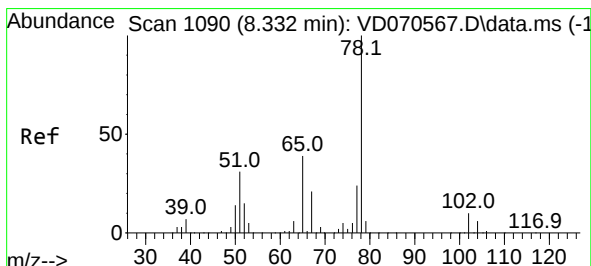
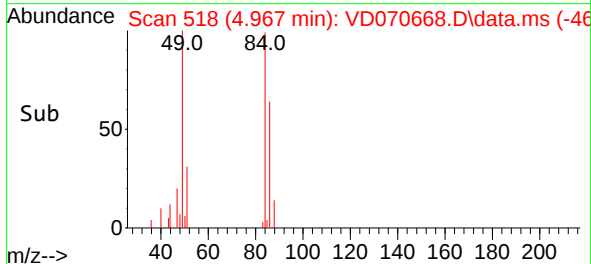
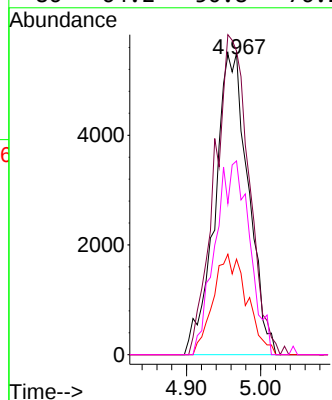


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

Instrument :
MSVOA_D
ClientSampleId :
20-20211007-WC

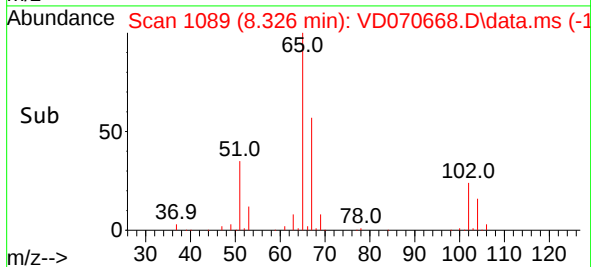
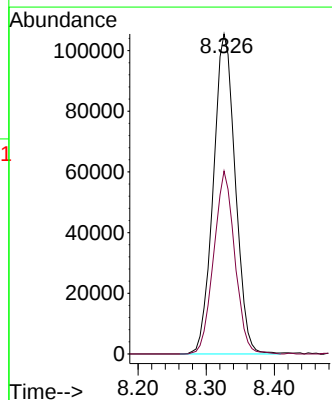
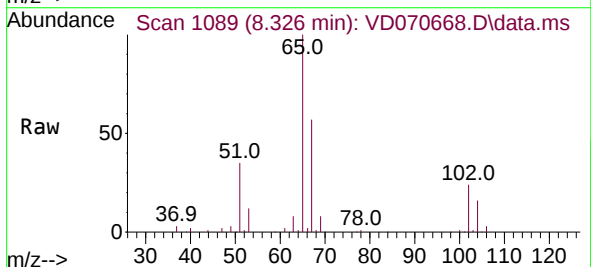


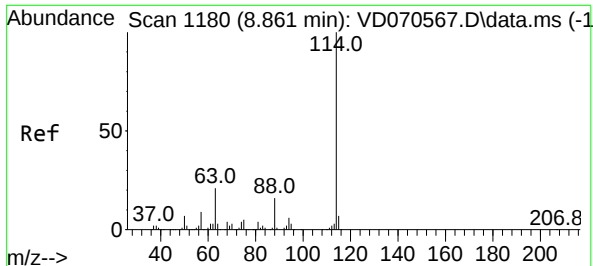
Tgt Ion:	84	Resp:	17210
Ion	Ratio	Lower	Upper
84	100		
49	100.7	91.4	137.2
51	31.7	26.7	40.1
86	64.2	50.8	76.2



#33
1,2-Dichloroethane-d4
Concen: 56.120 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

Tgt Ion:	65	Resp:	236734
Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	110.2



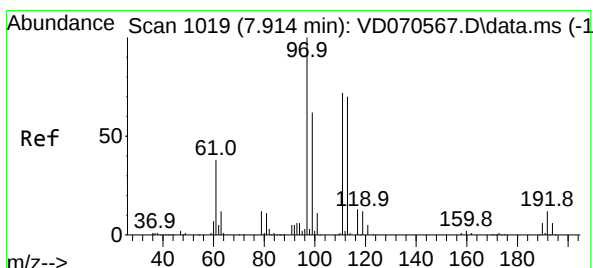
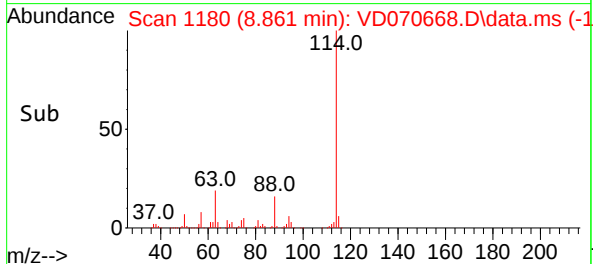
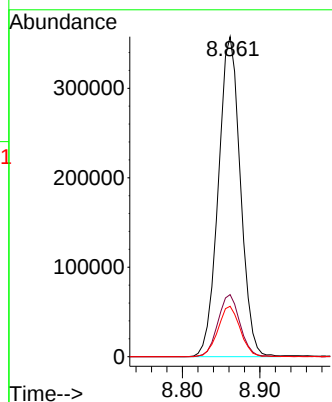
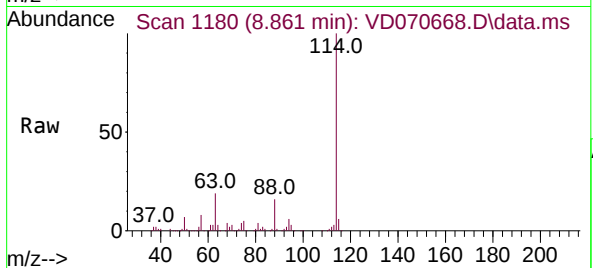


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

Instrument :
MSVOA_D
ClientSampleId :
20-20211007-WC

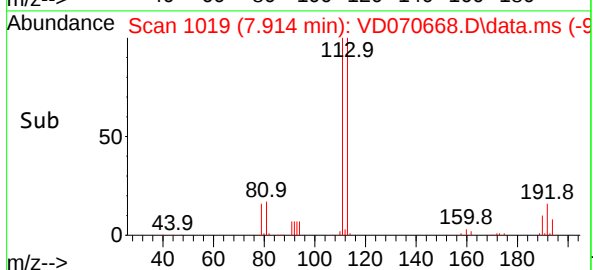
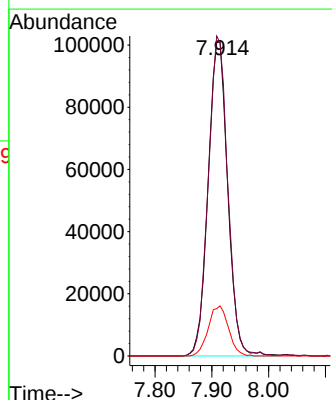
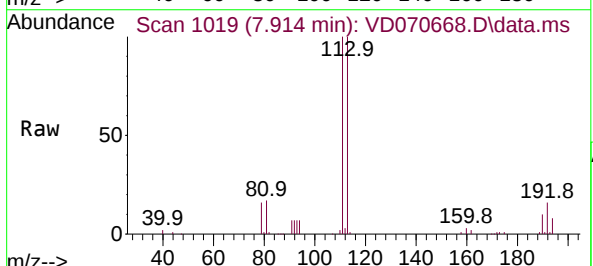
Tgt Ion:114 Resp: 707074
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.8
88 15.8 0.0 32.6

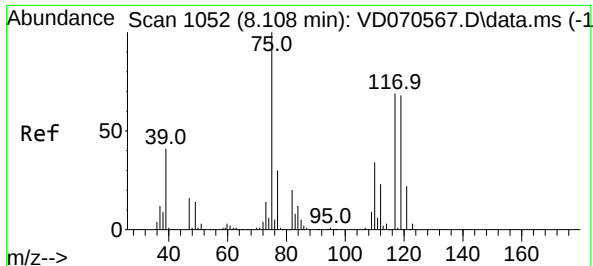


#35

Dibromofluoromethane
Concen: 51.513 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

Tgt Ion:113 Resp: 242167
Ion Ratio Lower Upper
113 100
111 101.1 83.1 124.7
192 16.4 12.7 19.1

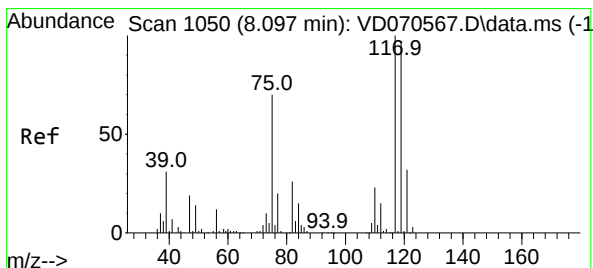
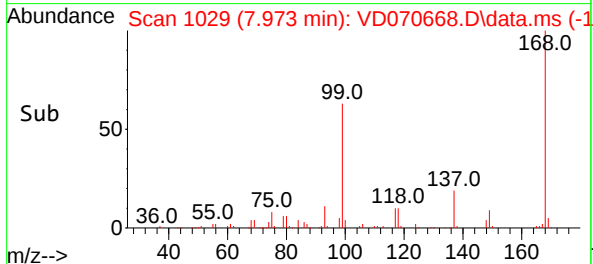
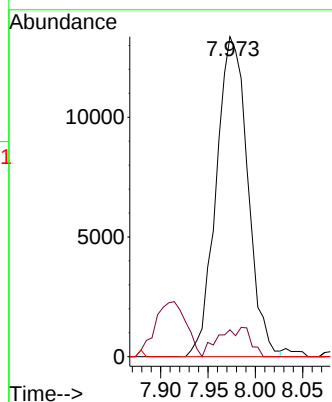
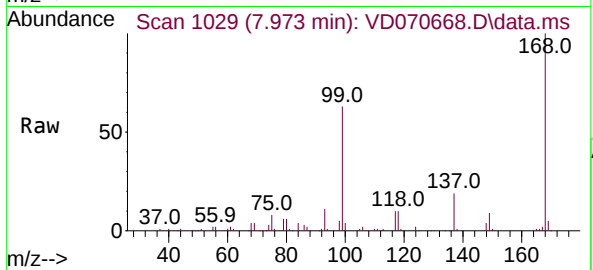




#36
1,1-Dichloropropene
Concen: 4.113 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

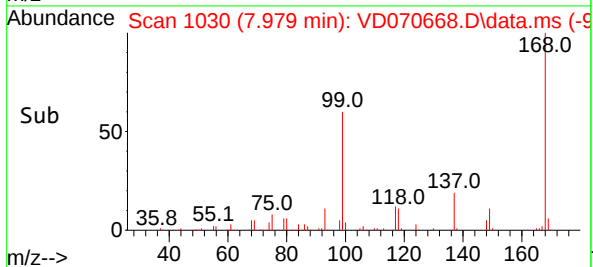
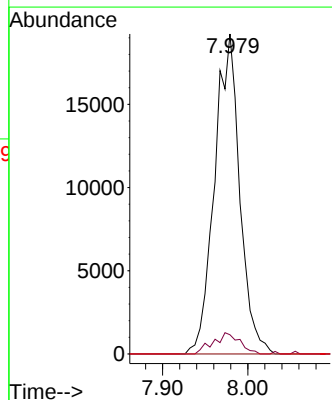
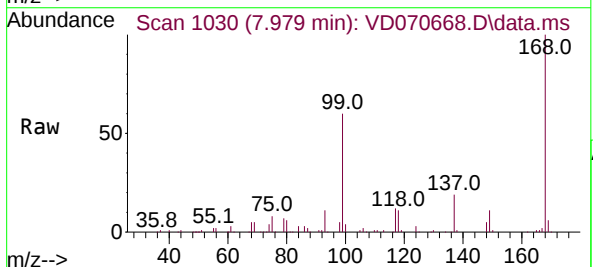
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ClientSampleId :
20-20211007-WC

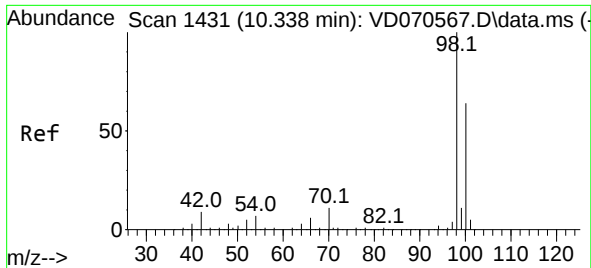
Tgt Ion: 75 Resp: 30887
Ion Ratio Lower Upper
75 100
110 9.3 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.027 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

Tgt Ion: 117 Resp: 39505
Ion Ratio Lower Upper
117 100
119 6.0 77.4 116.0#
121 0.0 25.4 38.0#

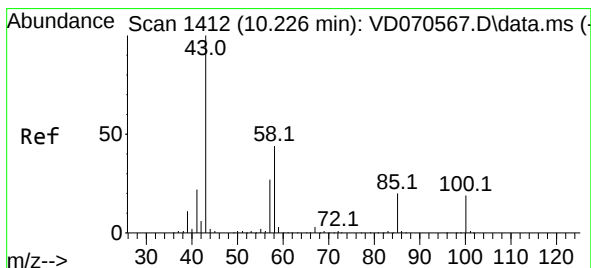
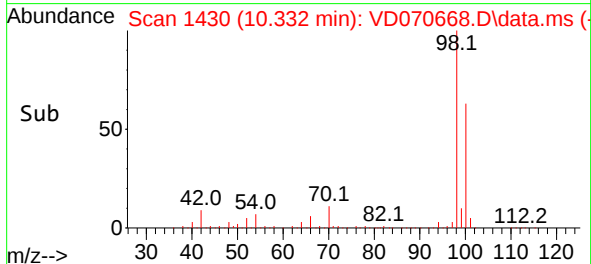
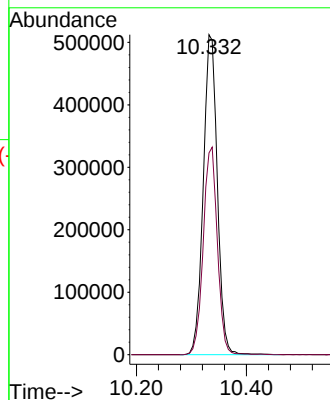
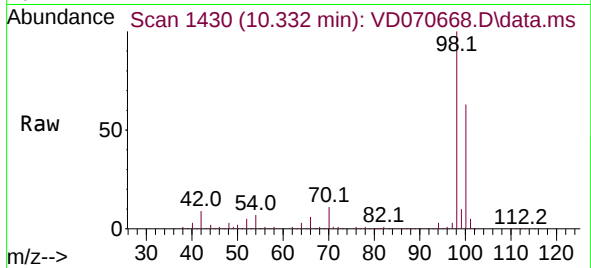




#50
Toluene-d8
Concen: 50.500 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

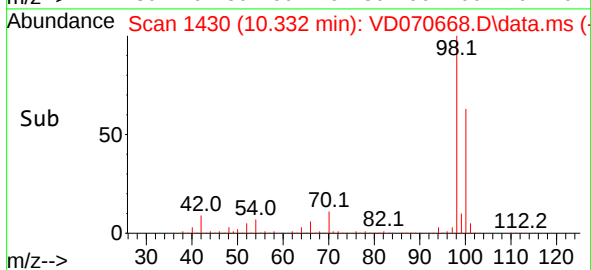
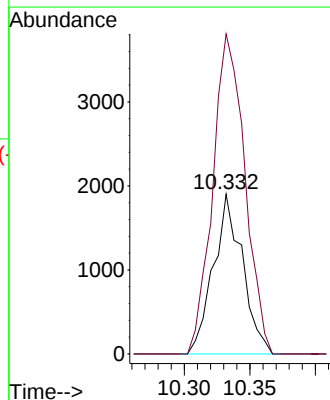
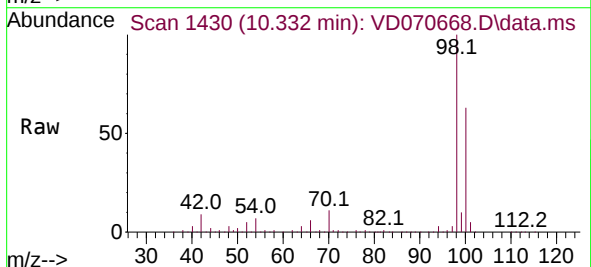
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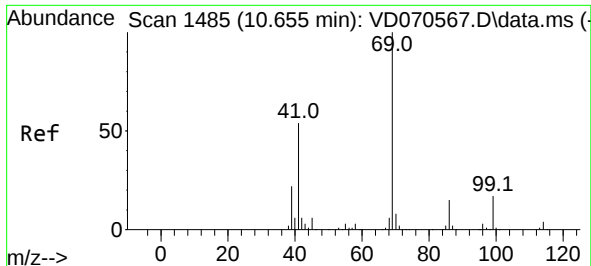
Tgt Ion: 98 Resp: 907561
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.243 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

Tgt Ion: 43 Resp: 2931
Ion Ratio Lower Upper
43 100
58 221.2 35.0 52.6#

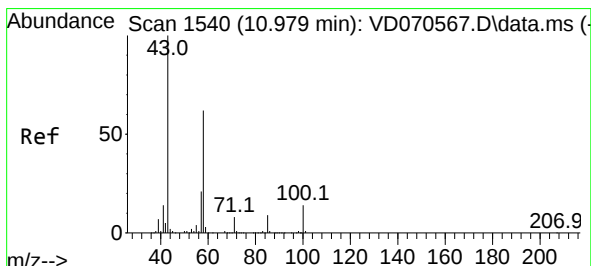
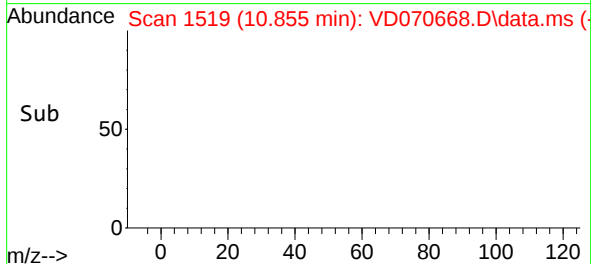
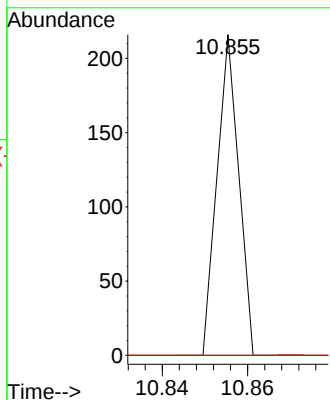
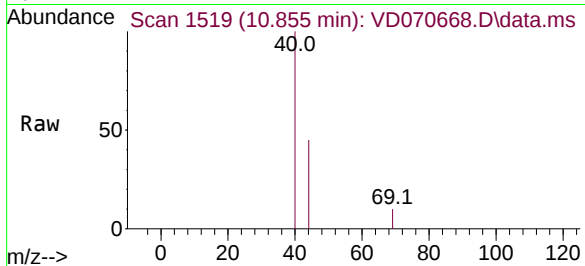




#56
Ethyl methacrylate
Concen: 1.389 ug/l
RT: 10.855 min Scan# 1519
Delta R.T. 0.200 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

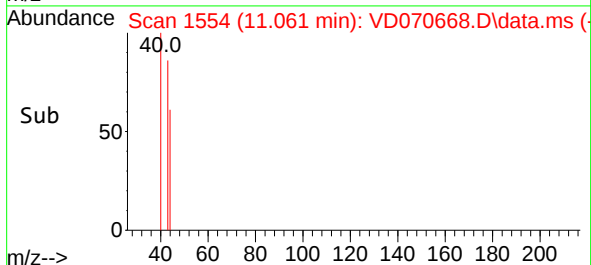
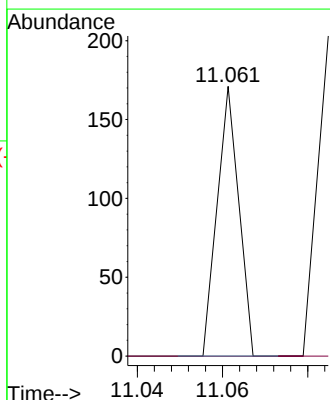
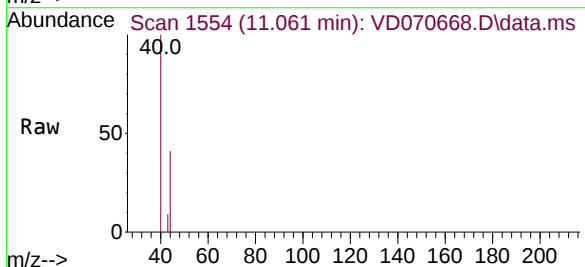
Instrument :
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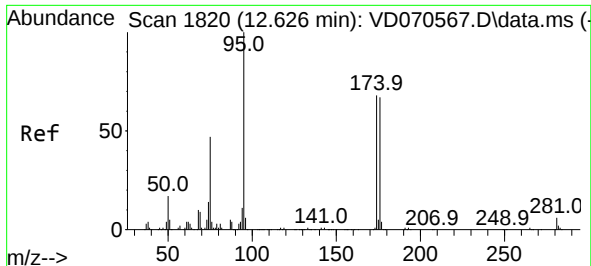
Tgt Ion: 69 Resp: 76
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#



#59
2-Hexanone
Concen: Below Cal
RT: 11.061 min Scan# 1554
Delta R.T. 0.082 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

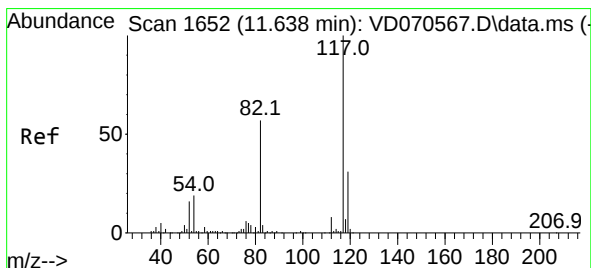
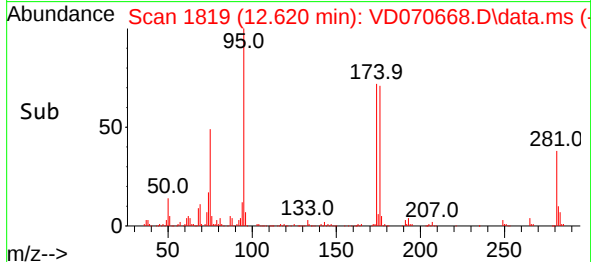
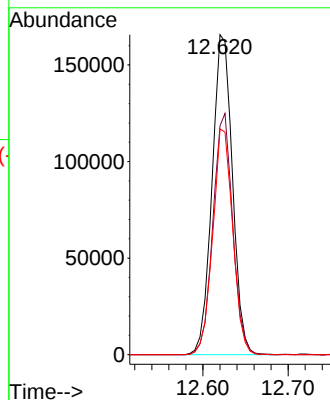
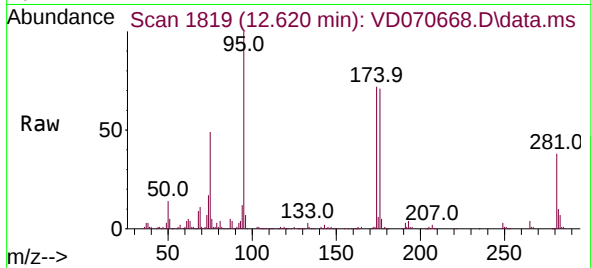




#62
4-Bromofluorobenzene
Concen: 45.790 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

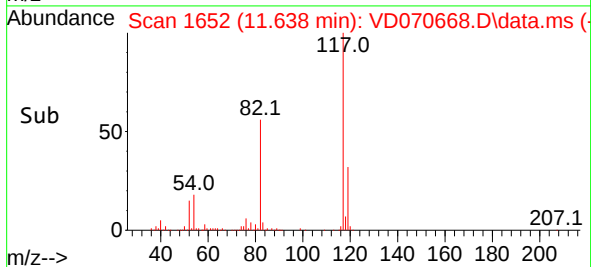
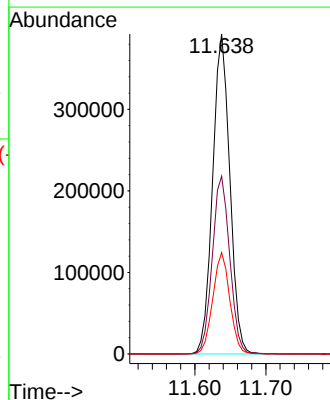
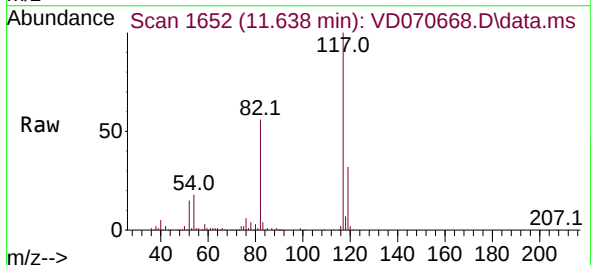
Instrument :
MSVOA_D
ClientSampleId :
20-20211007-WC

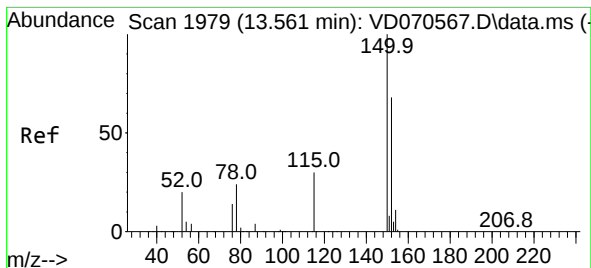
Tgt Ion: 95 Resp: 275034
Ion Ratio Lower Upper
95 100
174 73.2 0.0 138.0
176 69.2 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070668.D
Acq: 11 Oct 2021 19:01

Tgt Ion: 117 Resp: 658485
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.2
119 31.7 24.7 37.1

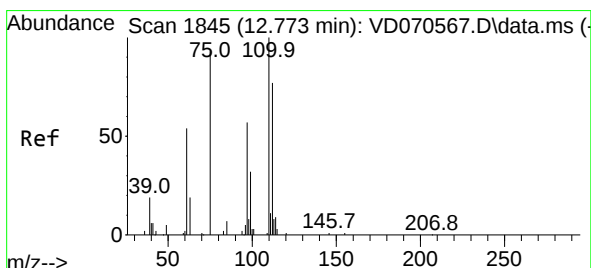
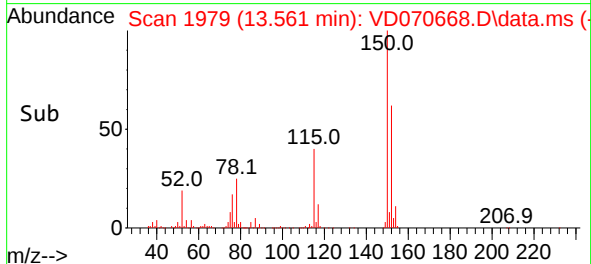
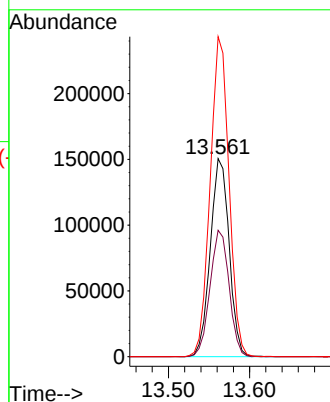
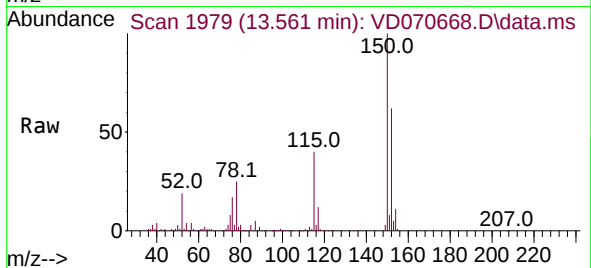




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070668.D
 Acq: 11 Oct 2021 19:01

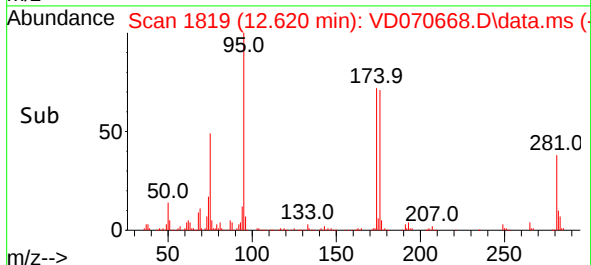
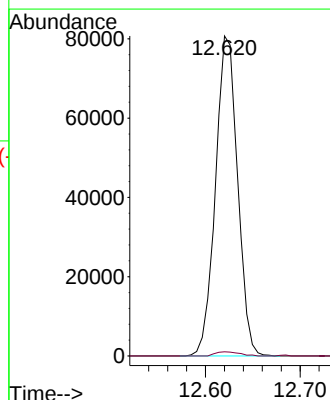
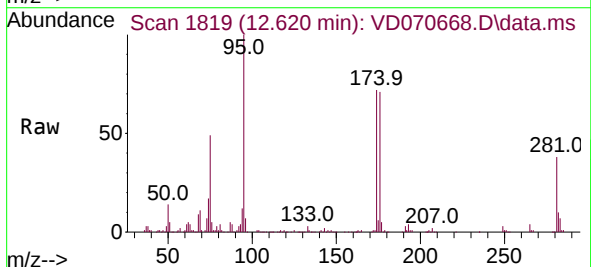
Instrument :
 MSVOA_D
 ClientSampleId :
 20-20211007-WC

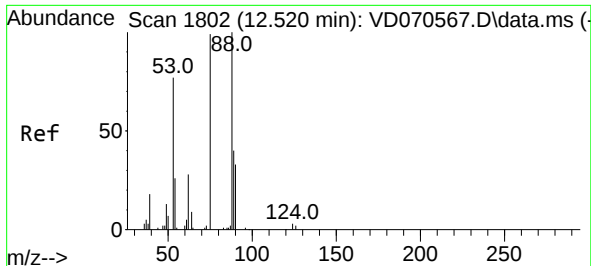
Tgt Ion:152 Resp: 242804
 Ion Ratio Lower Upper
 152 100
 115 64.5 31.9 95.7
 150 161.1 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 59.585 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070668.D
 Acq: 11 Oct 2021 19:01

Tgt Ion: 75 Resp: 130947
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

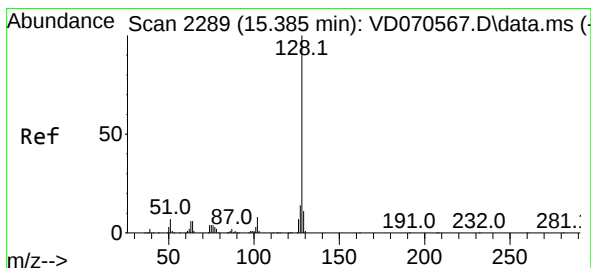
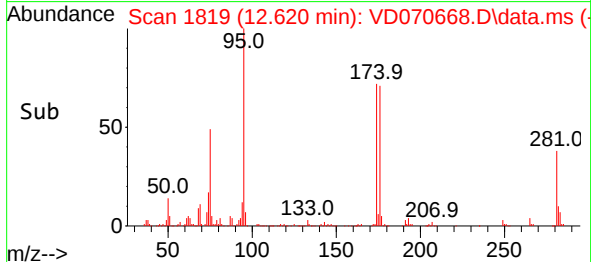
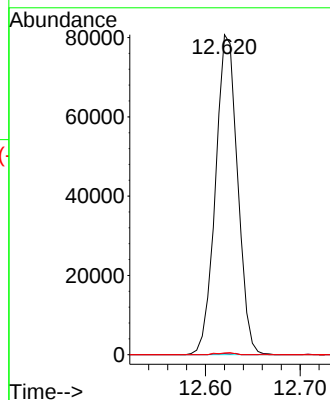
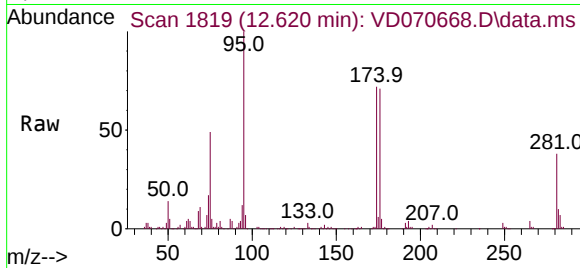




#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.290 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD070668.D
 Acq: 11 Oct 2021 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 20-20211007-WC

Tgt Ion: 75 Resp: 130947
 Ion Ratio Lower Upper
 75 100
 53 0.3 64.5 96.7#
 89 0.5 35.3 52.9#



#95
 Naphthalene
 Concen: 2.548 ug/l
 RT: 15.373 min Scan# 2287
 Delta R.T. -0.012 min
 Lab File: VD070668.D
 Acq: 11 Oct 2021 19:01

Tgt Ion: 128 Resp: 475
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.9 16.3#
 129 0.0 8.6 12.8#

