

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100721\
 Data File : VD070612.D
 Acq On : 07 Oct 2021 12:56
 Operator : VA/SY
 Sample : M4061-04
 Misc : 4.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-4

Quant Time: Oct 08 04:51:06 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)

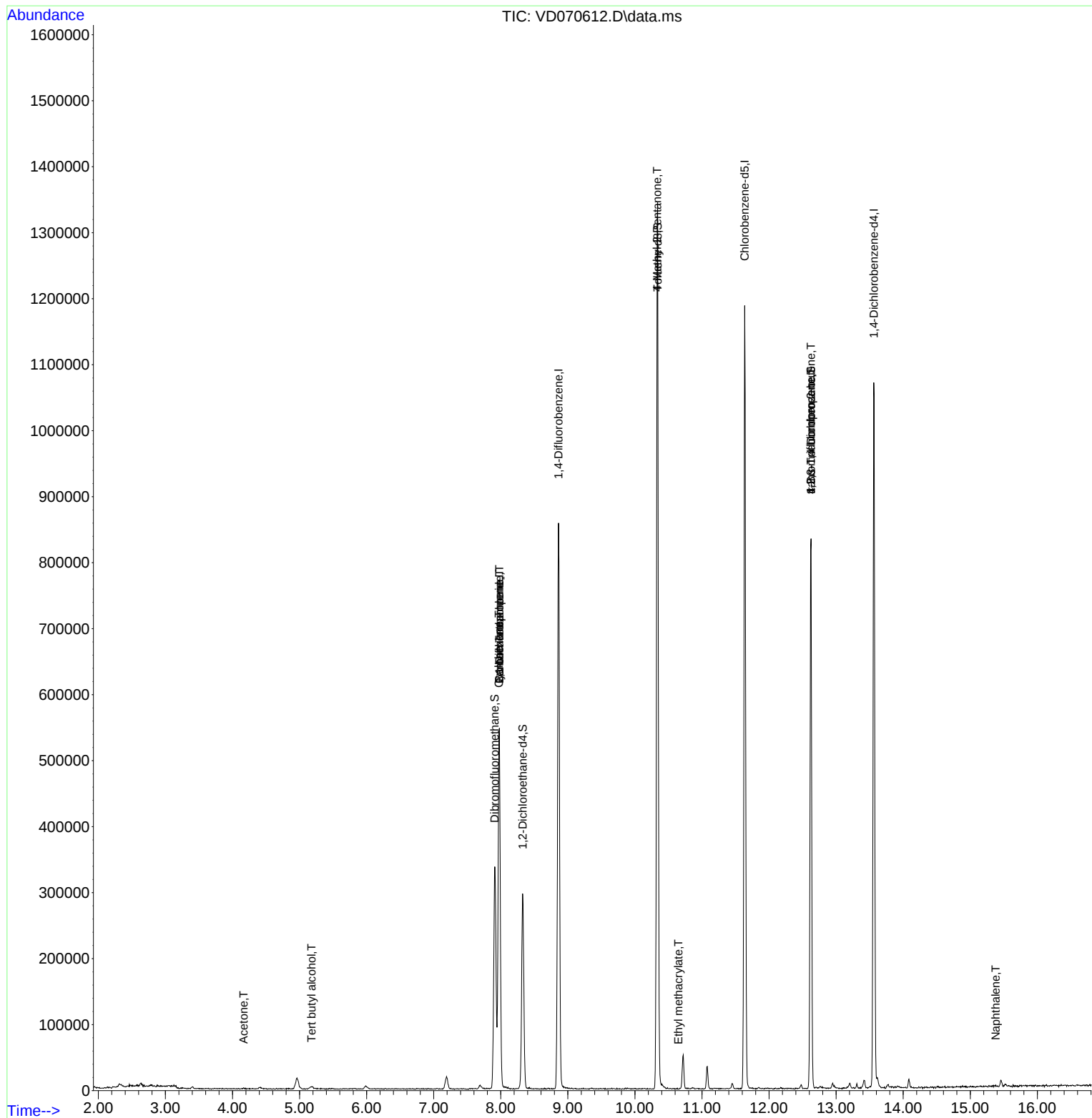
Internal Standards						
1) Pentafluorobenzene	7.979	168	387481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	755101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	701479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	287961	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	234773	51.48	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.96%			
35) Dibromofluoromethane	7.908	113	254045	50.60	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.20%			
50) Toluene-d8	10.338	98	961401	50.09	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.18%			
62) 4-Bromofluorobenzene	12.626	95	286819	44.71	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.42%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	990	Below Cal	#	31
11) Tert butyl alcohol	5.179	59	2031	8.99	ug/l #	83
16) Acetone	4.167	43	1327	1.71	ug/l #	40
20) Methylene Chloride	4.961	84	13136	Below Cal		97
31) Cyclohexane	7.973	56	8896	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	35410	4.42	ug/l #	50
38) Carbon Tetrachloride	7.979	117	40419	4.82	ug/l #	17
51) 4-Methyl-2-Pentanone	10.332	43	3366	1.34	ug/l #	1
56) Ethyl methacrylate	10.649	69	120	1.40	ug/l #	32
59) 2-Hexanone	10.979	43	78	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.626	75	136082	52.21	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	136082	115.92	ug/l #	17
95) Naphthalene	15.379	128	631	2.56	ug/l #	69

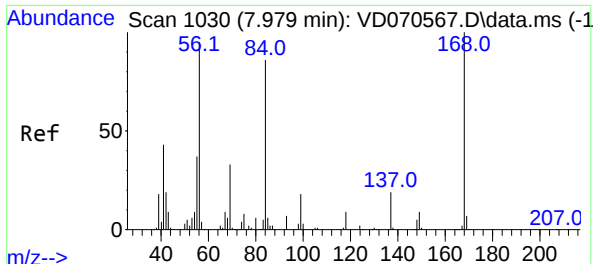
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampleId :
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Quant Time: Oct 08 04:51:06 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

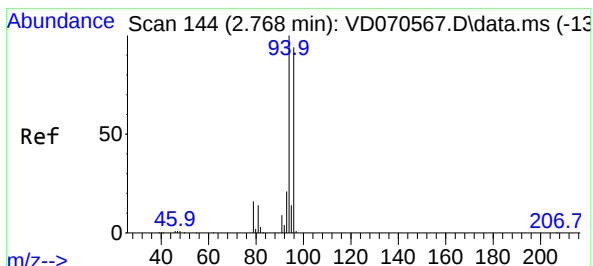
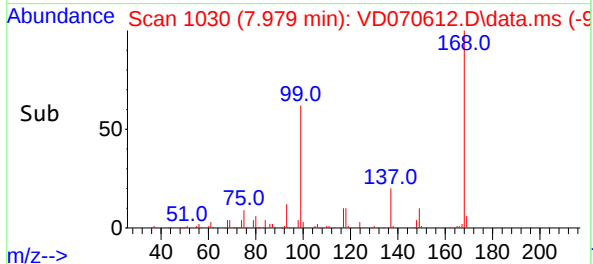
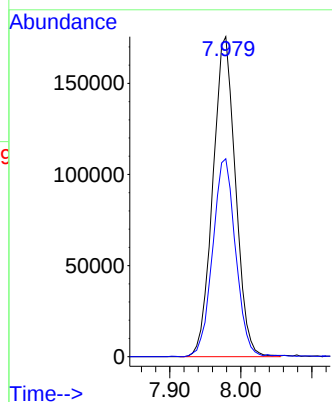
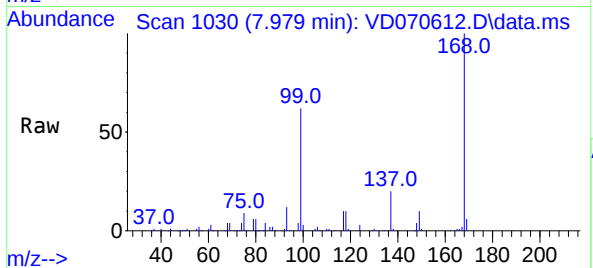




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

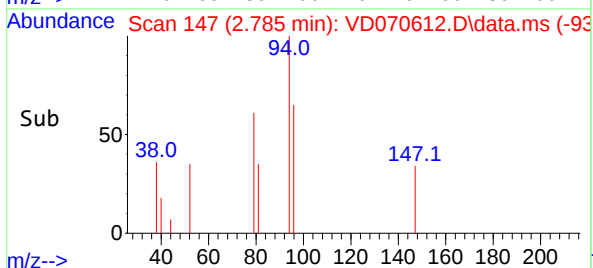
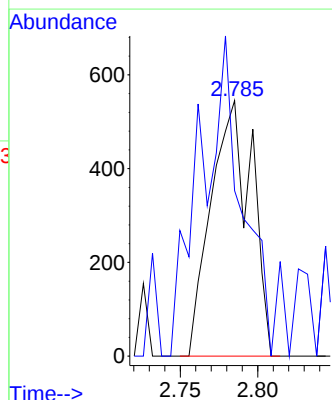
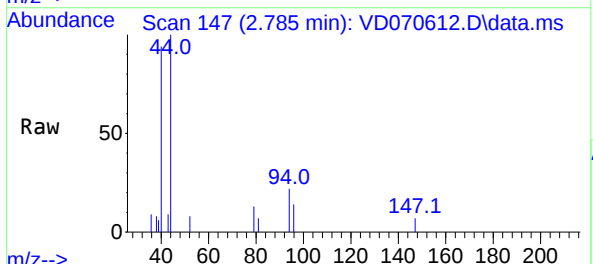
Instrument :
MSVOA_D
ClientSampleId :
S-4

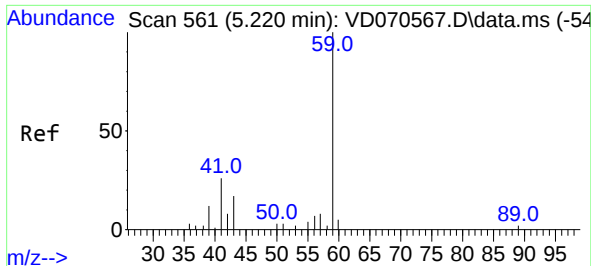
Tgt Ion:168 Resp: 387481
Ion Ratio Lower Upper
168 100
99 61.8 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

Tgt Ion: 94 Resp: 990
Ion Ratio Lower Upper
94 100
96 27.7 75.5 113.3#



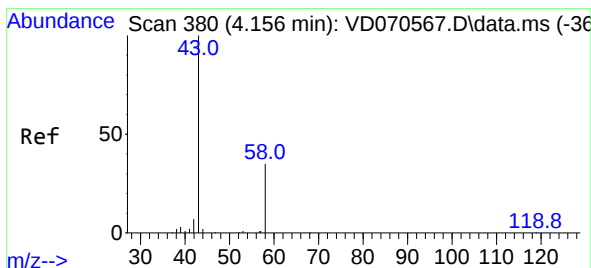
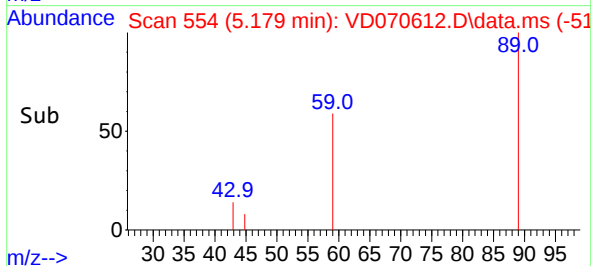
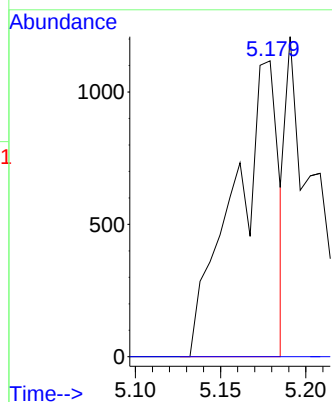
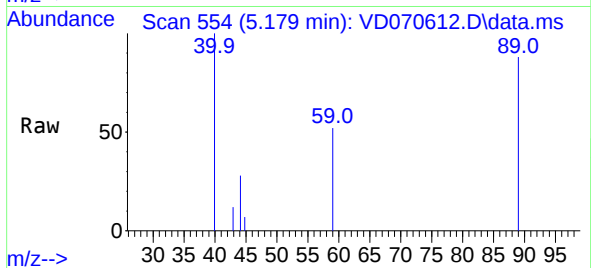


#11

Tert butyl alcohol
Concen: 8.99 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

Instrument :
MSVOA_D
ClientSampled :
S-4

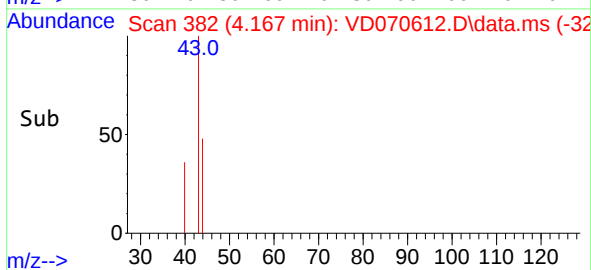
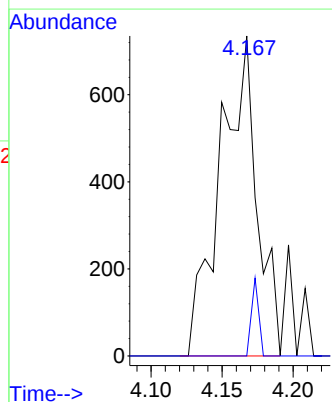
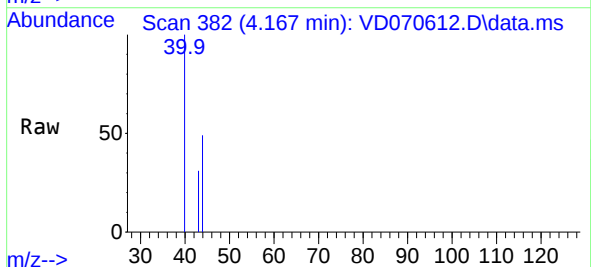
Tgt Ion: 59 Resp: 2031
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

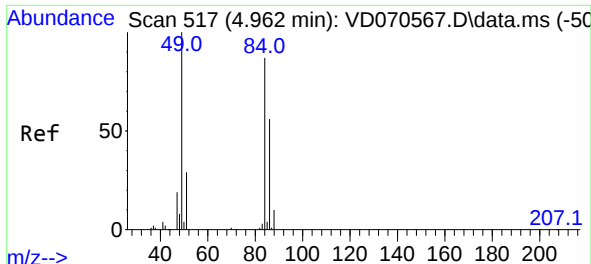


#16

Acetone
Concen: 1.71 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

Tgt Ion: 43 Resp: 1327
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.961 min Scan# 517

Delta R.T. -0.001 min

Lab File: VD070612.D

Acq: 07 Oct 2021 12:56

Instrument :
MSVOA_D
ClientSampled :
S-4

Tgt Ion: 84 Resp: 13136

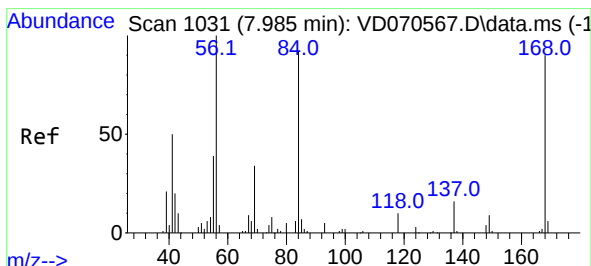
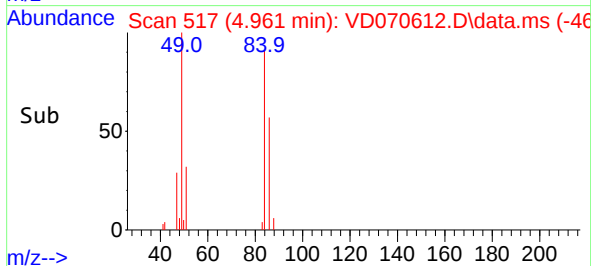
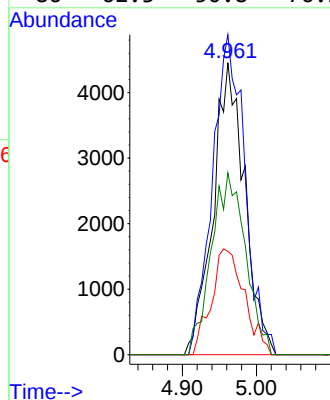
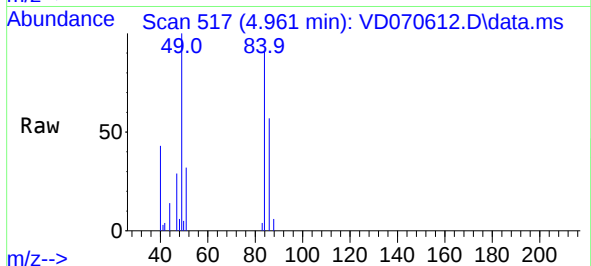
Ion Ratio Lower Upper

84 100

49 109.6 91.4 137.2

51 35.4 26.7 40.1

86 62.3 50.8 76.2



#31

Cyclohexane

Concen: 1.05 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070612.D

Acq: 07 Oct 2021 12:56

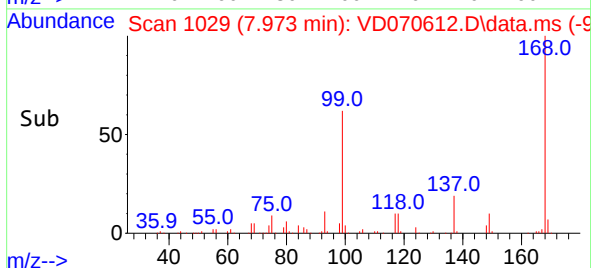
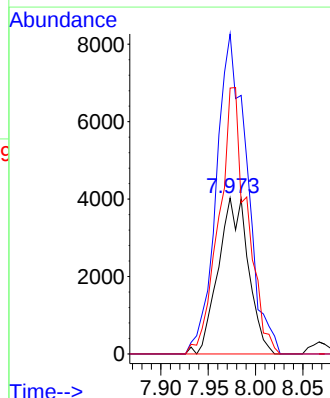
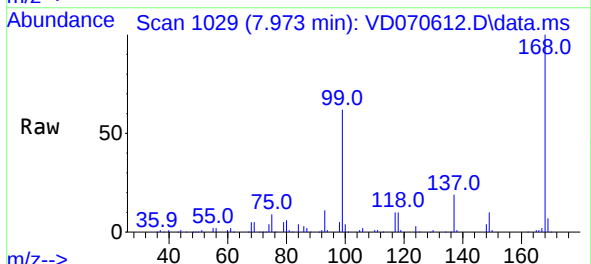
Tgt Ion: 56 Resp: 8896

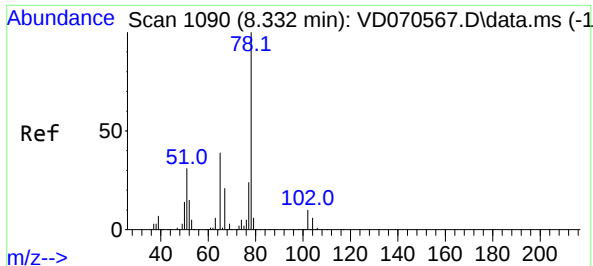
Ion Ratio Lower Upper

56 100

69 205.2 27.4 41.2#

84 170.5 73.6 110.4#

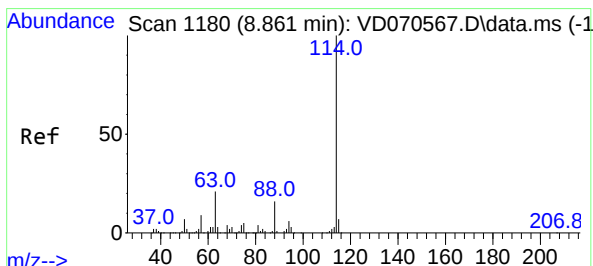
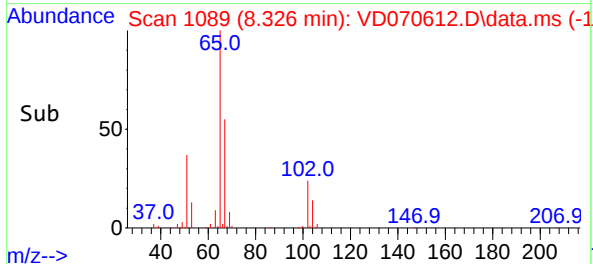
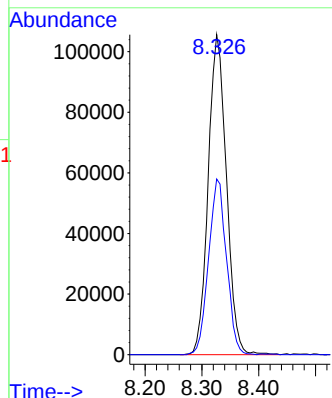
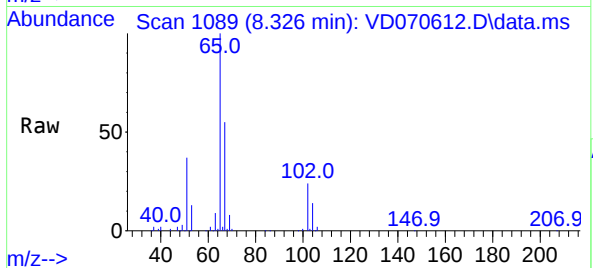




#33
1,2-Dichloroethane-d4
Concen: 51.48 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

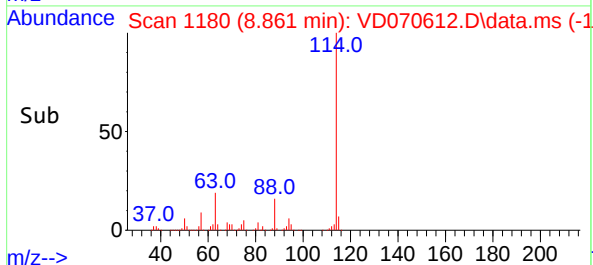
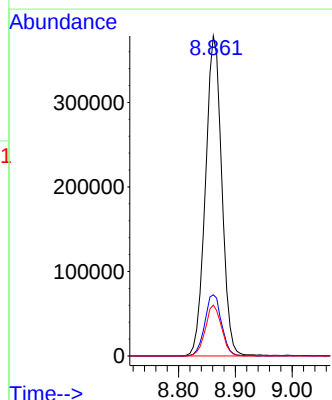
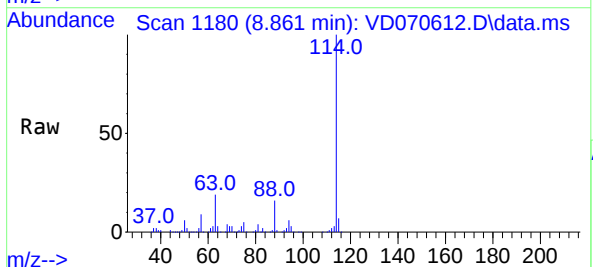
Instrument :
MSVOA_D
ClientSampleId :
S-4

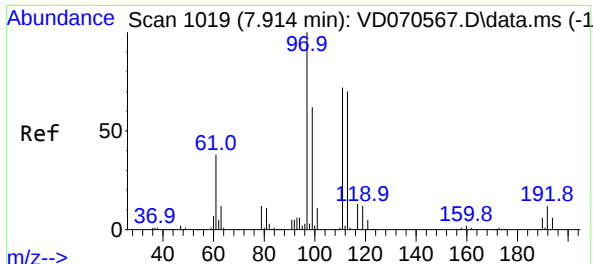
Tgt Ion: 65 Resp: 234773
Ion Ratio Lower Upper
65 100
67 53.9 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

Tgt Ion:114 Resp: 755101
Ion Ratio Lower Upper
114 100
63 19.1 0.0 41.8
88 15.9 0.0 32.6

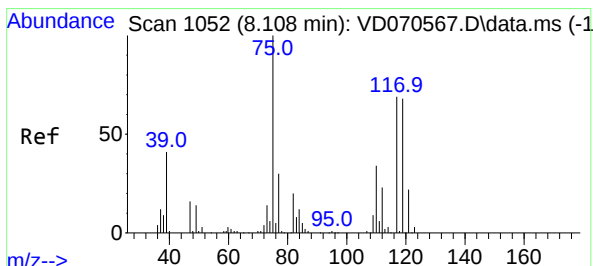
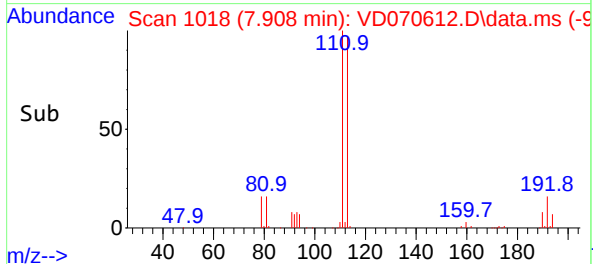
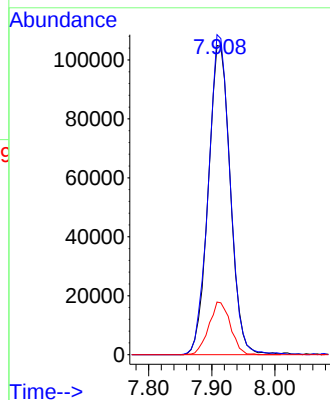
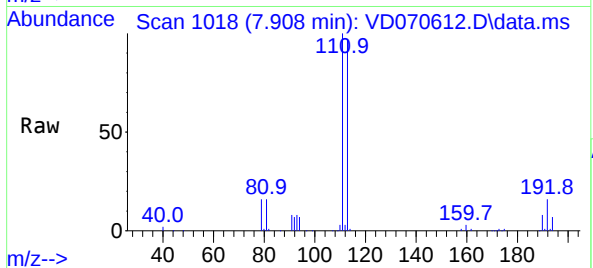




#35
Dibromofluoromethane
Concen: 50.60 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

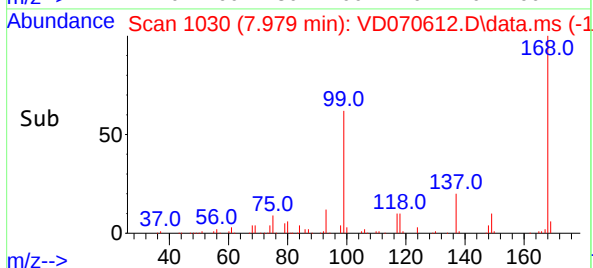
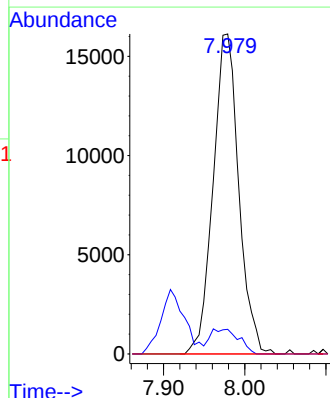
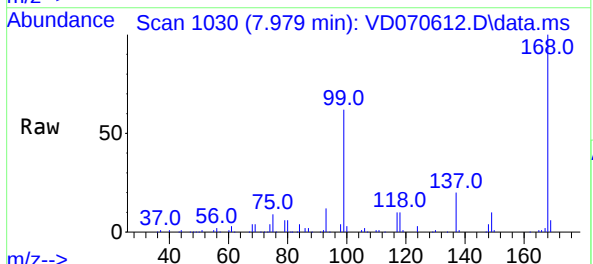
Instrument :
MSVOA_D
ClientSampled :
S-4

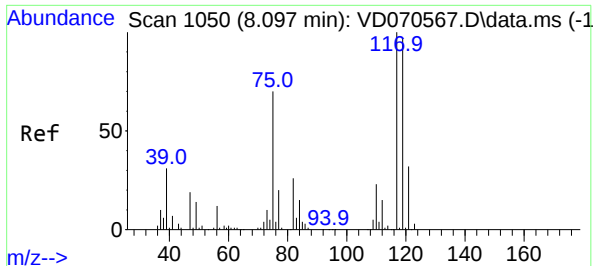
Tgt Ion:113 Resp: 254045
Ion Ratio Lower Upper
113 100
111 102.0 83.1 124.7
192 16.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.42 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

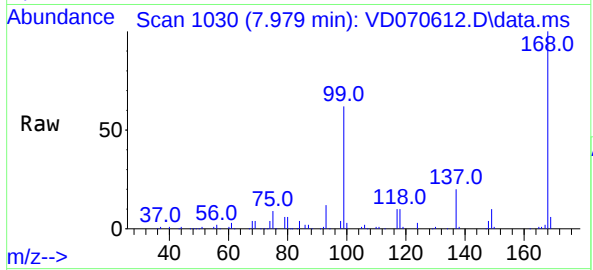
Tgt Ion: 75 Resp: 35410
Ion Ratio Lower Upper
75 100
110 8.7 17.2 51.6#
77 0.0 24.2 36.4#



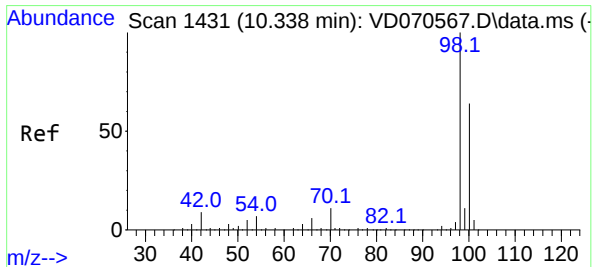
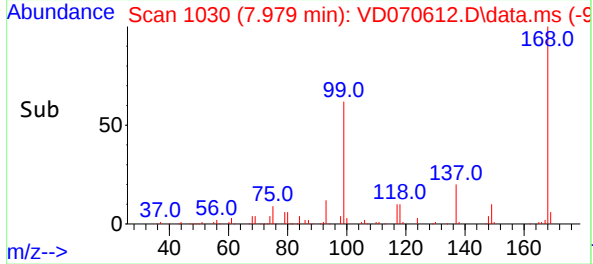
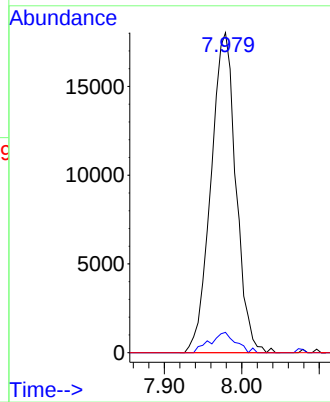


#38
Carbon Tetrachloride
Concen: 4.82 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

Instrument :
MSVOA_D
ClientSampled :
S-4

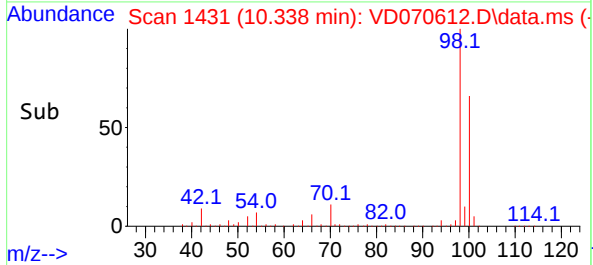
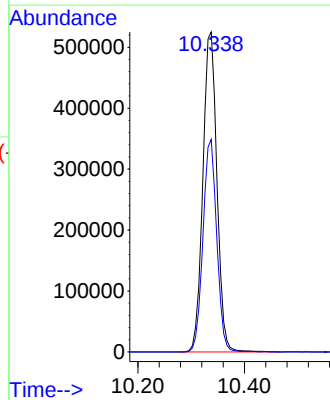
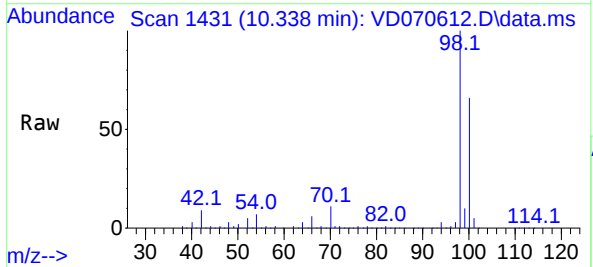


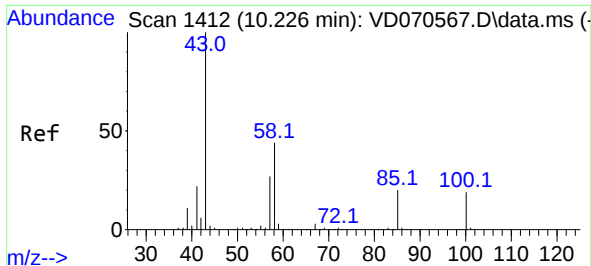
Tgt Ion:117 Resp: 40419
Ion Ratio Lower Upper
117 100
119 6.3 77.4 116.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 50.09 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

Tgt Ion: 98 Resp: 961401
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

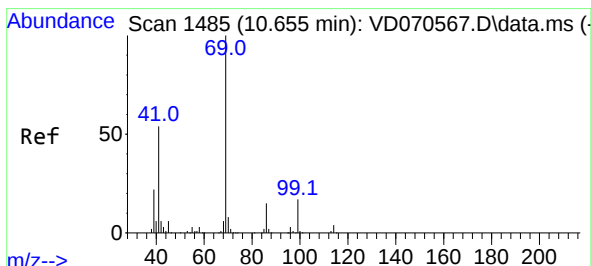
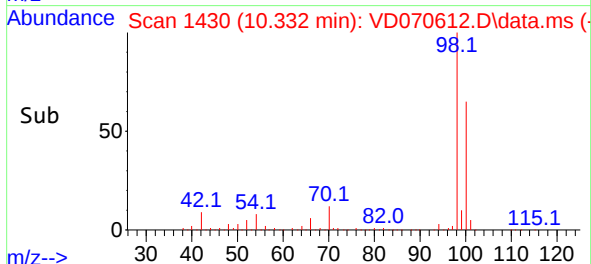
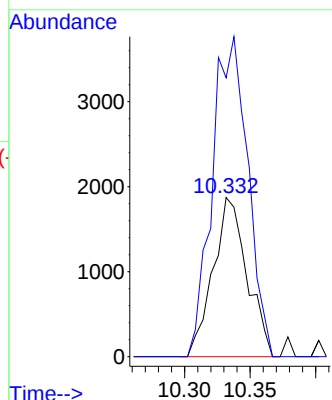
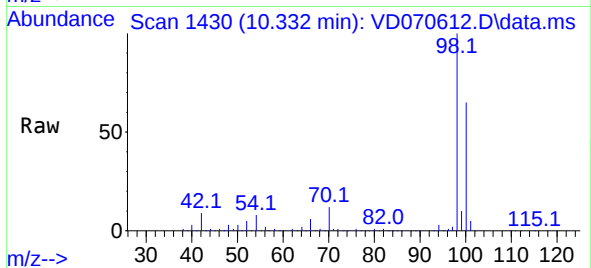




#51
4-Methyl-2-Pentanone
Concen: 1.34 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

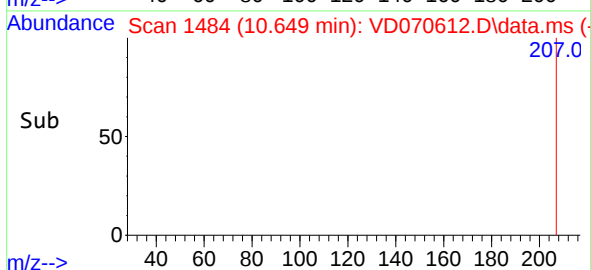
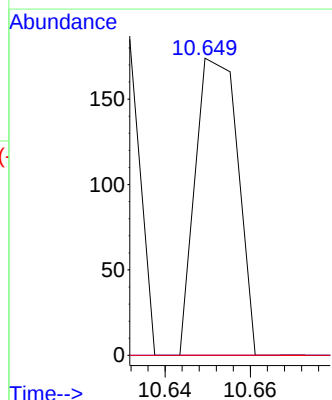
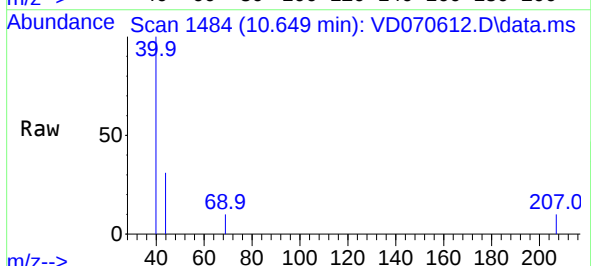
Instrument :
MSVOA_D
ClientSampleId :
S-4

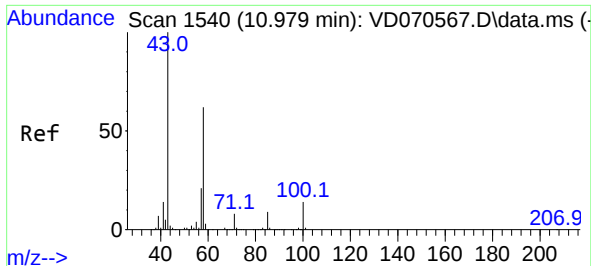
Tgt Ion: 43 Resp: 3366
Ion Ratio Lower Upper
43 100
58 211.2 35.0 52.6#



#56
Ethyl methacrylate
Concen: 1.40 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

Tgt Ion: 69 Resp: 120
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

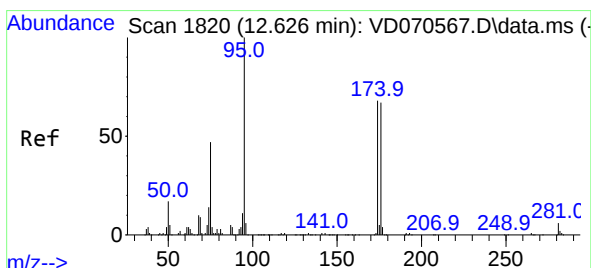
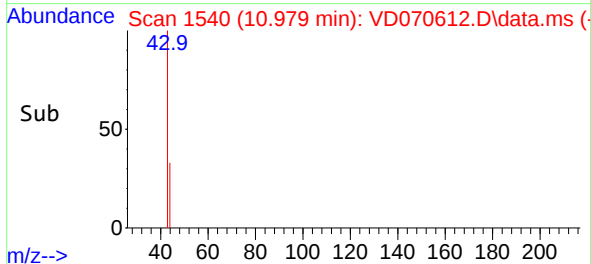
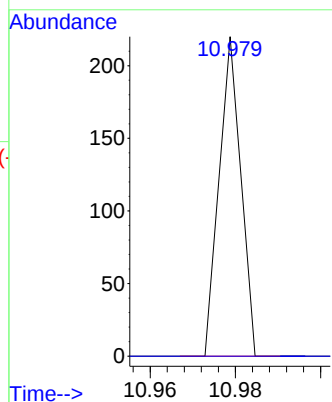
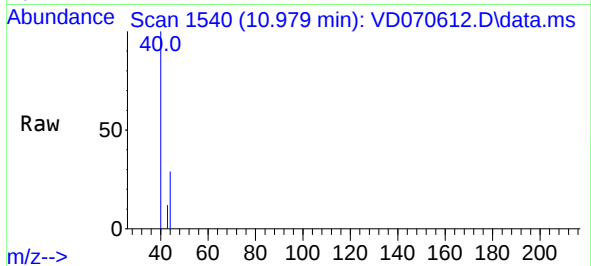




#59
2-Hexanone
Concen: Below Cal
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

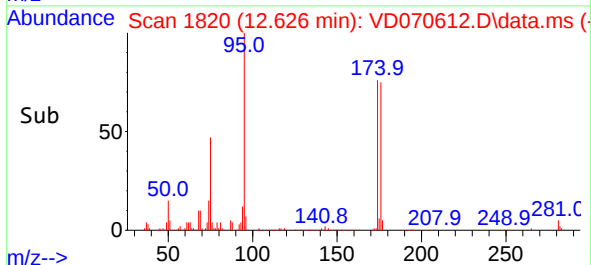
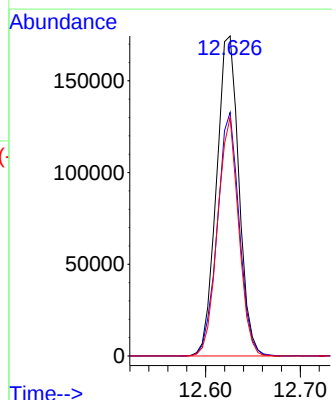
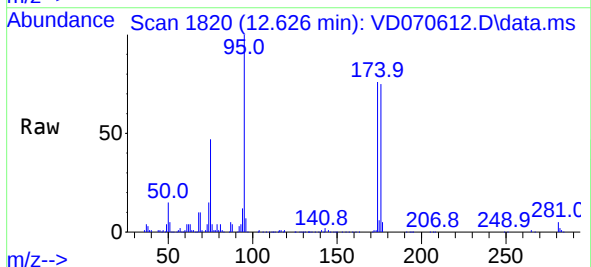
Instrument :
MSVOA_D
ClientSampled :
S-4

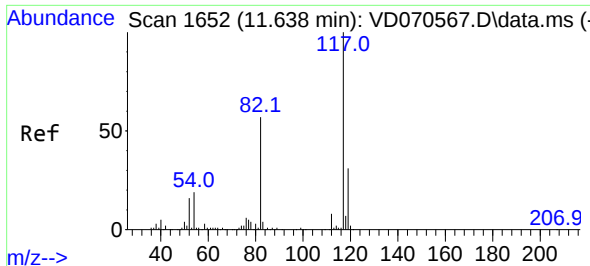
Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 44.71 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

Tgt Ion: 95 Resp: 286819
Ion Ratio Lower Upper
95 100
174 74.6 0.0 138.0
176 70.3 0.0 135.6

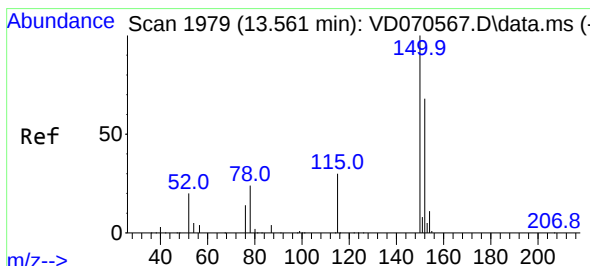
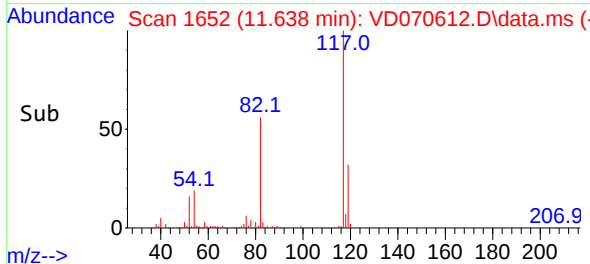
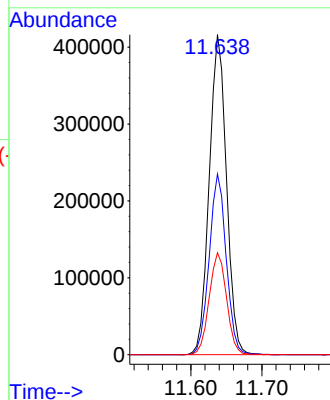
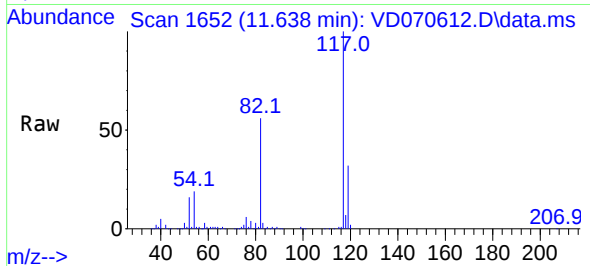




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

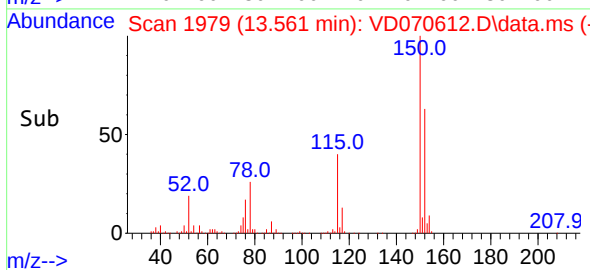
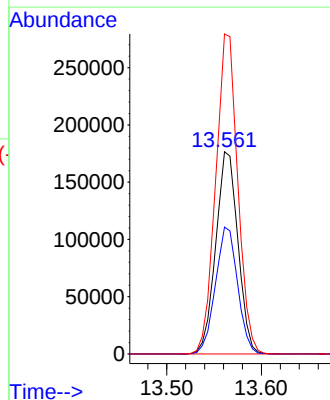
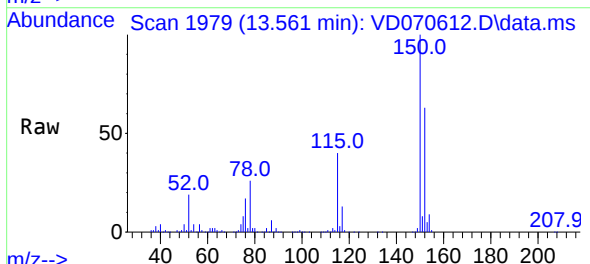
Instrument :
MSVOA_D
ClientSampled :
S-4

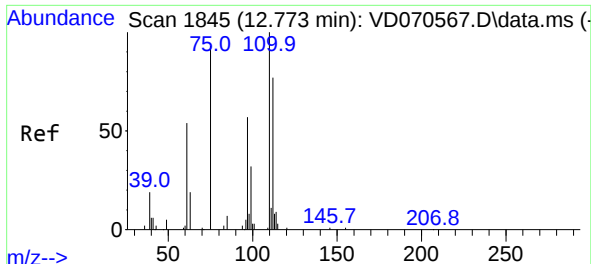
Tgt Ion:117 Resp: 701479
Ion Ratio Lower Upper
117 100
82 56.4 45.4 68.2
119 31.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

Tgt Ion:152 Resp: 287961
Ion Ratio Lower Upper
152 100
115 62.8 31.9 95.7
150 157.4 0.0 350.0

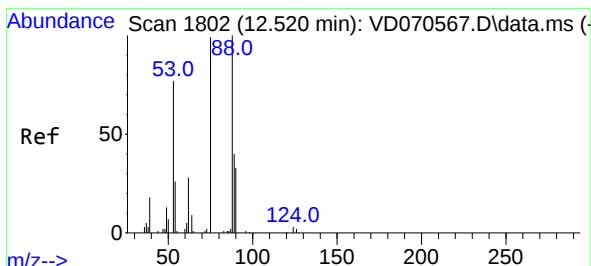
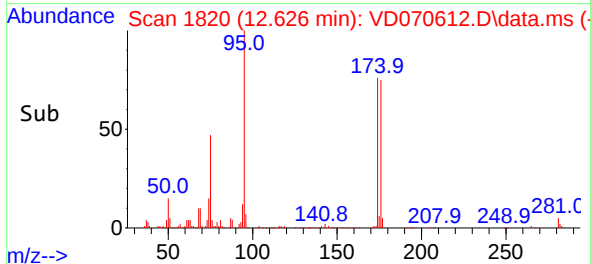
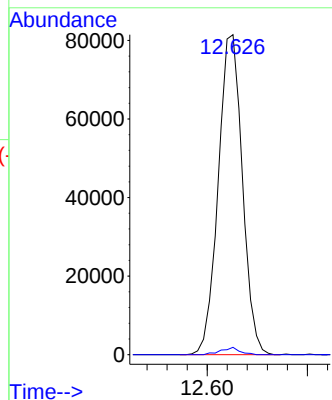
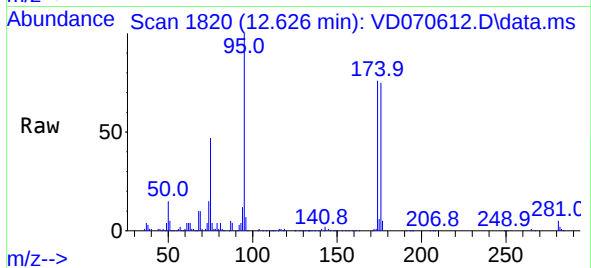




#76
1,2,3-Trichloropropane
Concen: 52.21 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

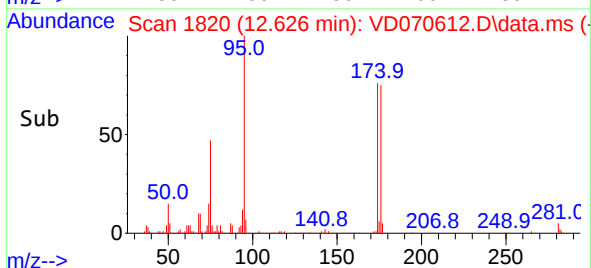
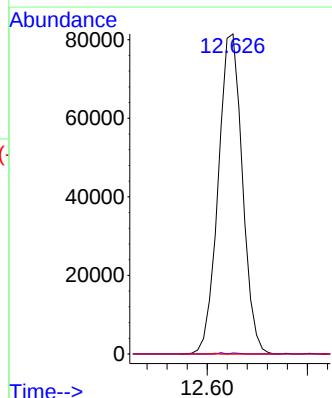
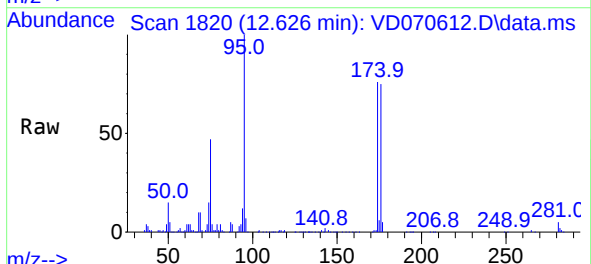
Instrument :
MSVOA_D
ClientSampleId :
S-4

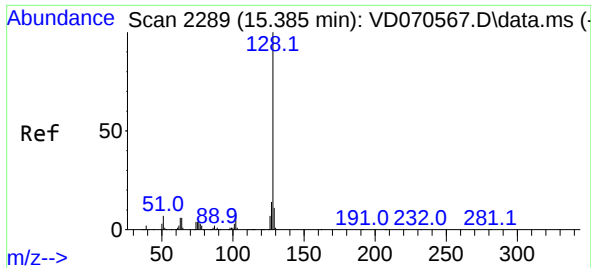
Tgt Ion: 75 Resp: 136082
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.92 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

Tgt Ion: 75 Resp: 136082
Ion Ratio Lower Upper
75 100
53 0.1 64.5 96.7#
89 0.1 35.3 52.9#





#95
Naphthalene
Concen: 2.56 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070612.D
Acq: 07 Oct 2021 12:56

Instrument :
MSVOA_D
ClientSampleId :
S-4

Tgt Ion:128 Resp: 631
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

