

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100521\
 Data File : VD070578.D
 Acq On : 05 Oct 2021 18:10
 Operator : VA/SY
 Sample : M4064-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 357

Quant Time: Oct 06 09:23:29 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)

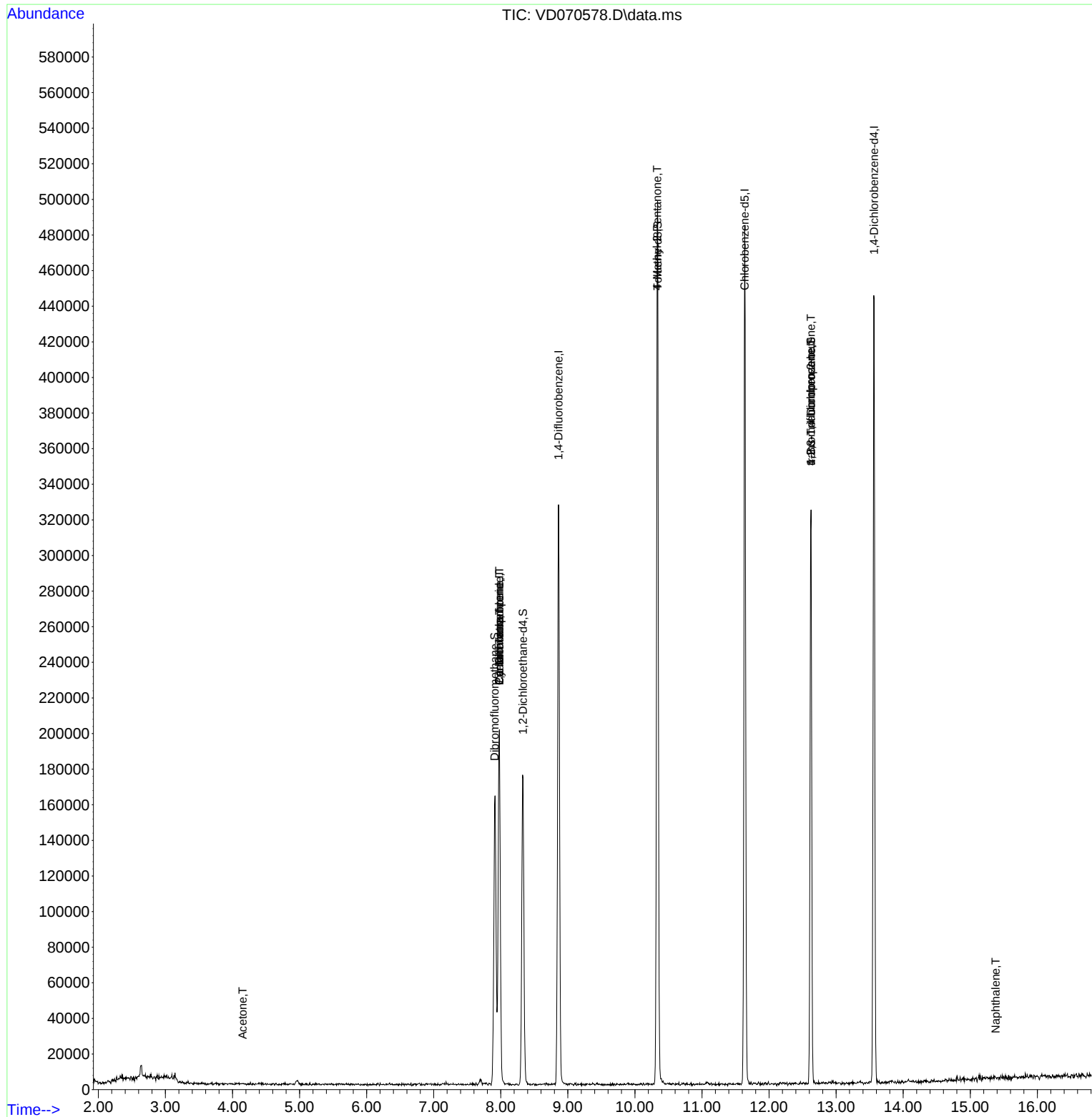
Internal Standards						
1) Pentafluorobenzene	7.979	168	139007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	277371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	287239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	122136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	138495	84.659	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 169.320%#		
35) Dibromofluoromethane	7.908	113	120081	65.115	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 130.240%		
50) Toluene-d8	10.338	98	362425	51.409	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 102.820%		
62) 4-Bromofluorobenzene	12.626	95	120285	51.050	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 102.100%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1299	Below Cal	#	73
16) Acetone	4.150	43	624	2.246	ug/l #	40
20) Methylene Chloride	4.967	84	1920	Below Cal	#	76
31) Cyclohexane	7.979	56	3286	1.085	ug/l #	10
36) 1,1-Dichloropropene	7.979	75	12270	4.165	ug/l #	43
38) Carbon Tetrachloride	7.979	117	14895	4.832	ug/l #	15
51) 4-Methyl-2-Pentanone	10.332	43	1048	1.133	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	55402	50.116	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	55402	111.267	ug/l #	17
95) Naphthalene	15.379	128	383	2.584	ug/l #	69

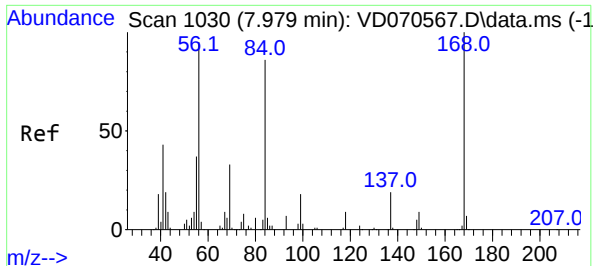
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

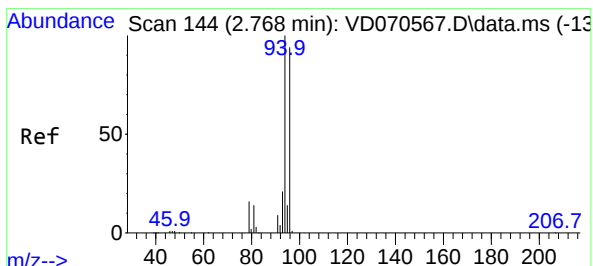
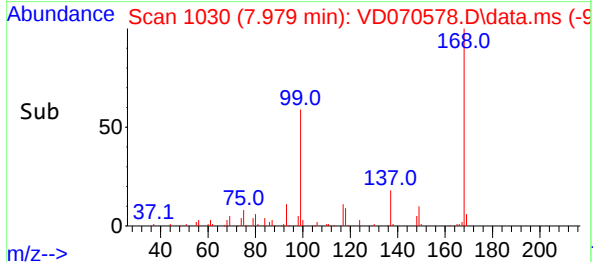
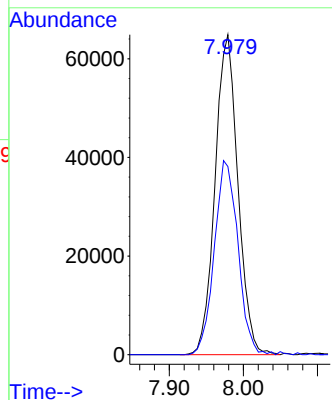
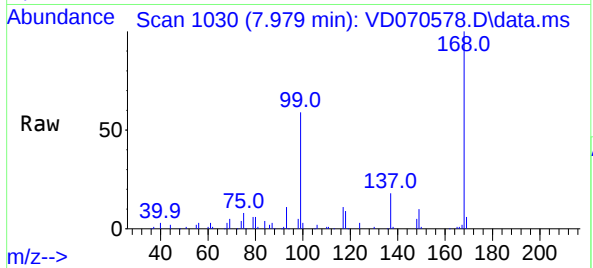




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

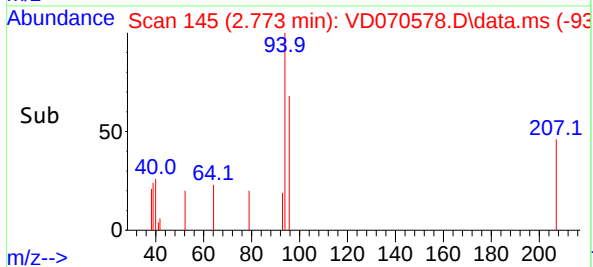
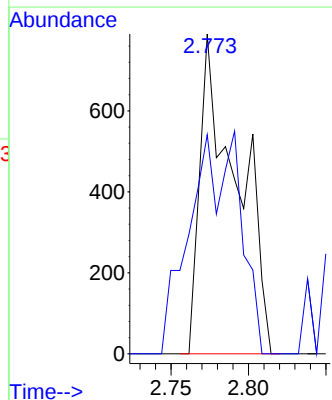
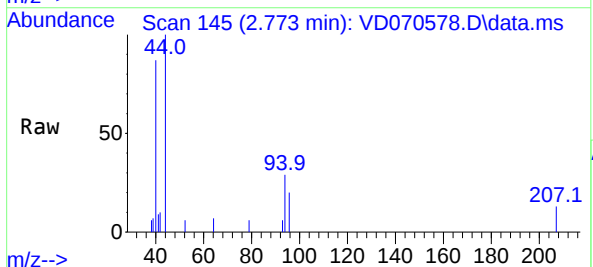
Instrument :
MSVOA_D
ClientSampleId :
357

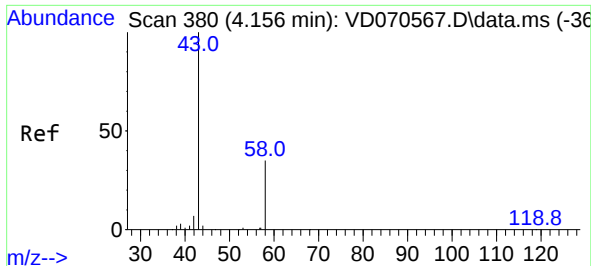
Tgt Ion:168 Resp: 139007
Ion Ratio Lower Upper
168 100
99 58.8 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

Tgt Ion: 94 Resp: 1299
Ion Ratio Lower Upper
94 100
96 68.5 75.5 113.3#

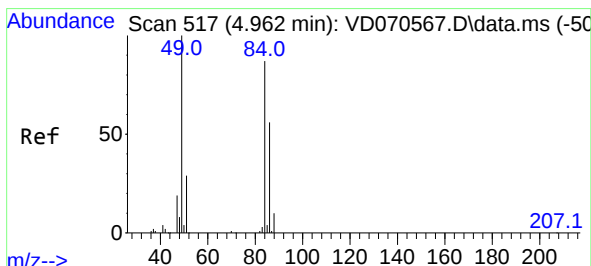
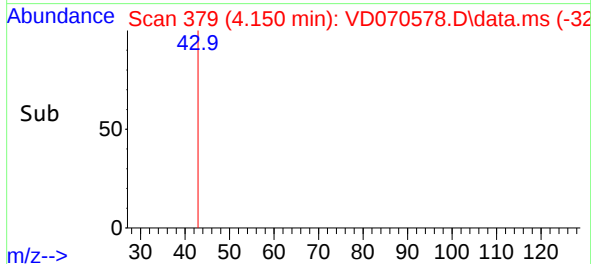
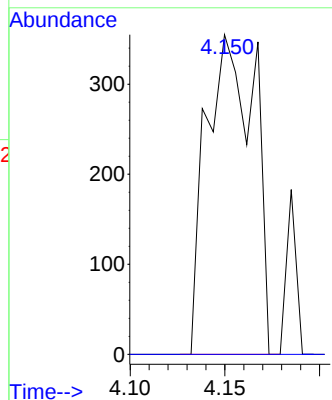
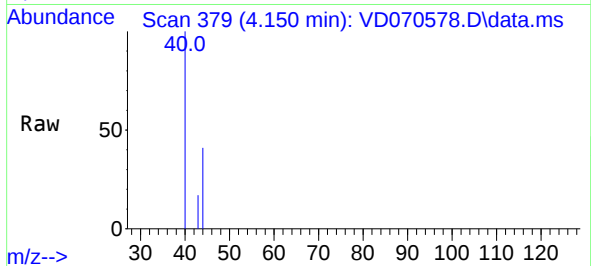




#16
Acetone
Concen: 2.246 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

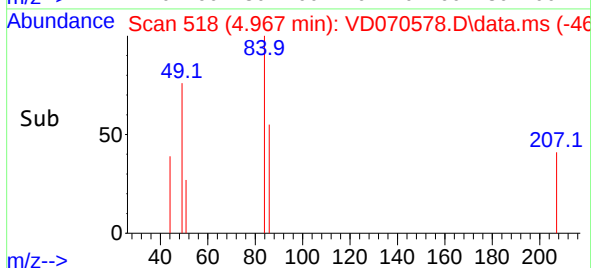
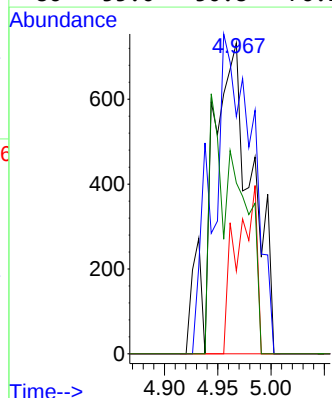
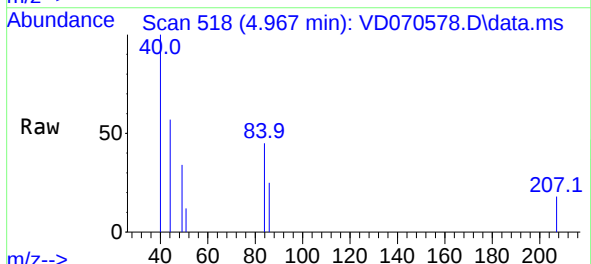
Instrument :
MSVOA_D
ClientSampleId :
357

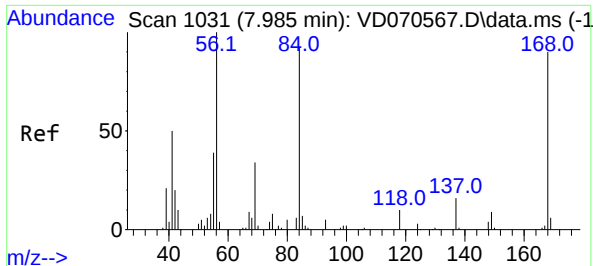
Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

Tgt Ion: 84 Resp: 1920
Ion Ratio Lower Upper
84 100
49 76.3 91.4 137.2#
51 26.6 26.7 40.1#
86 55.0 50.8 76.2

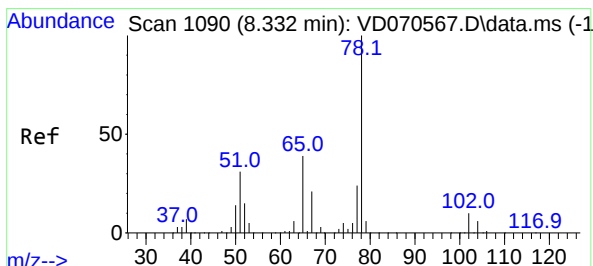
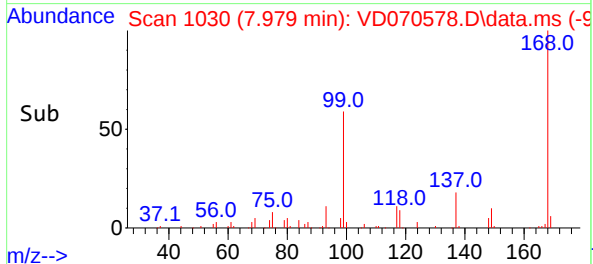
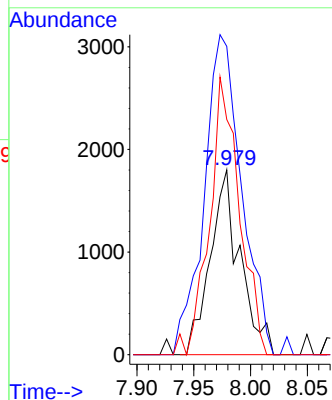
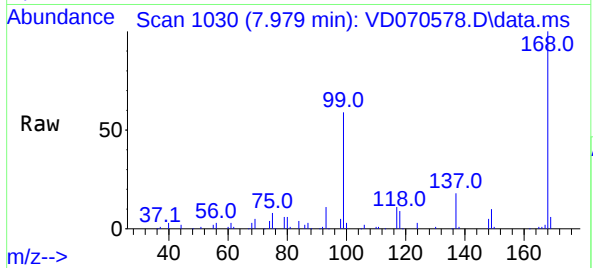




#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

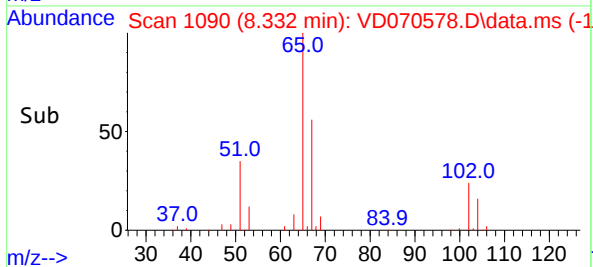
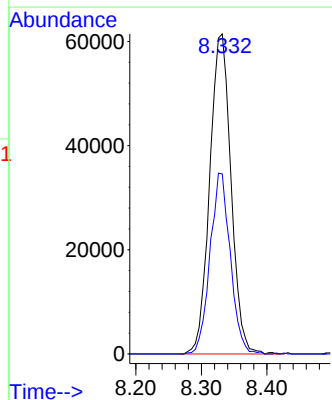
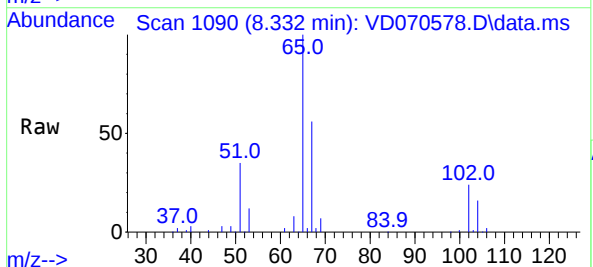
Instrument :
MSVOA_D
ClientSampleId :
357

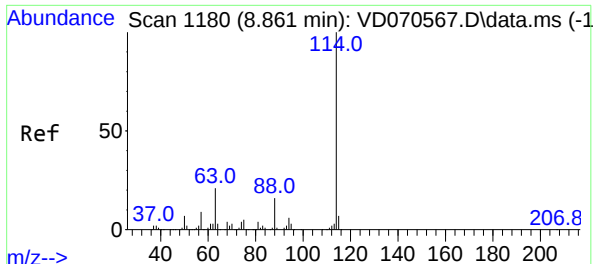
Tgt Ion: 56 Resp: 3286
Ion Ratio Lower Upper
56 100
69 166.9 27.4 41.2#
84 127.3 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 84.659 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

Tgt Ion: 65 Resp: 138495
Ion Ratio Lower Upper
65 100
67 53.8 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD070578.D

Acq: 05 Oct 2021 18:10

Instrument :

MSVOA_D

ClientSampleId :

357

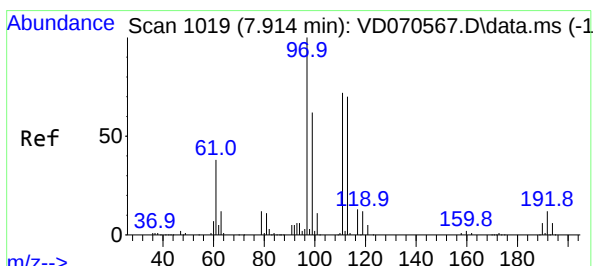
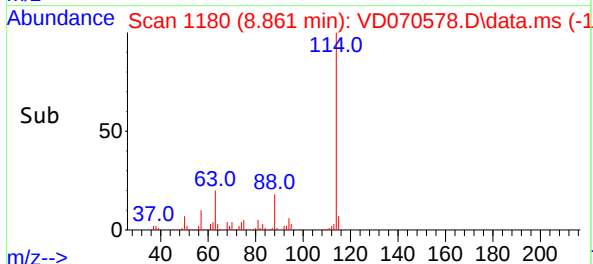
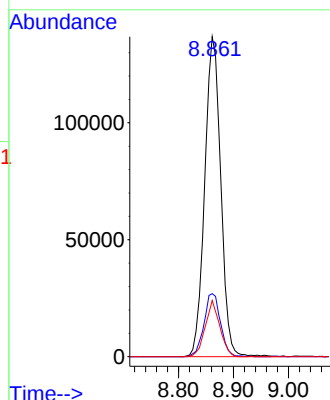
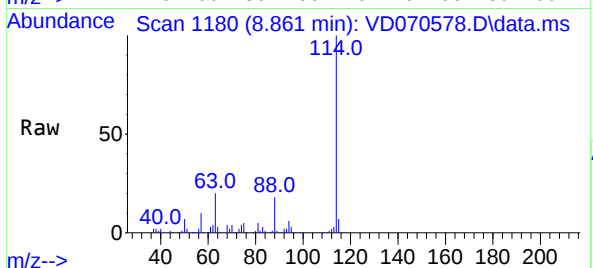
Tgt Ion:114 Resp: 277371

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.8

88 17.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 65.115 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070578.D

Acq: 05 Oct 2021 18:10

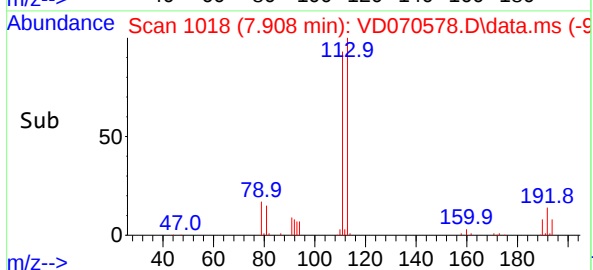
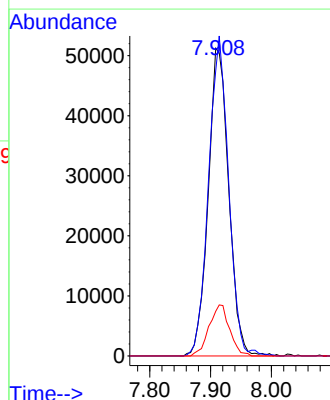
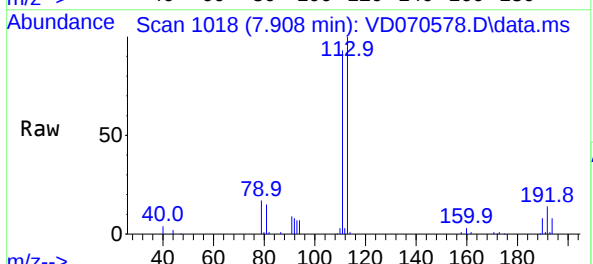
Tgt Ion:113 Resp: 120081

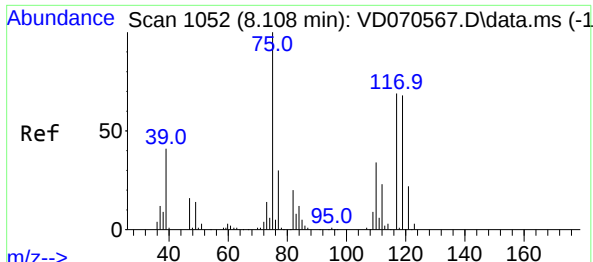
Ion Ratio Lower Upper

113 100

111 101.3 83.1 124.7

192 16.5 12.7 19.1

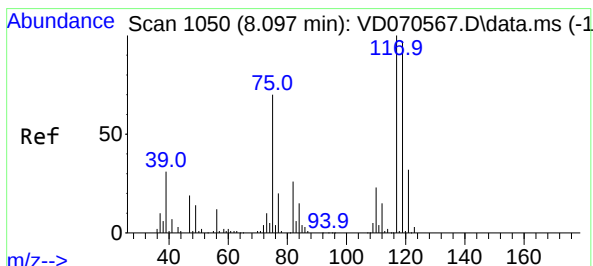
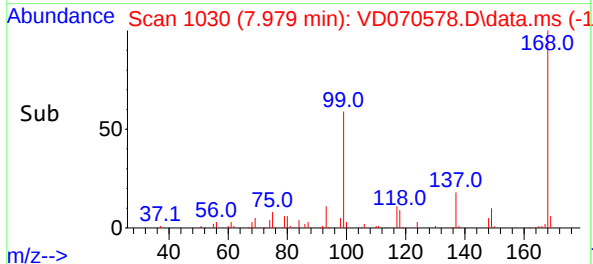
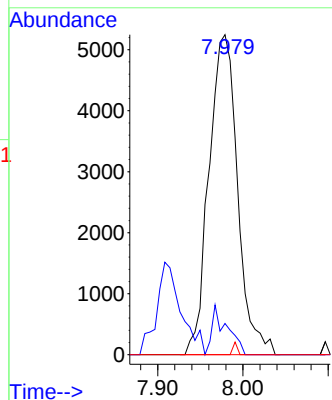
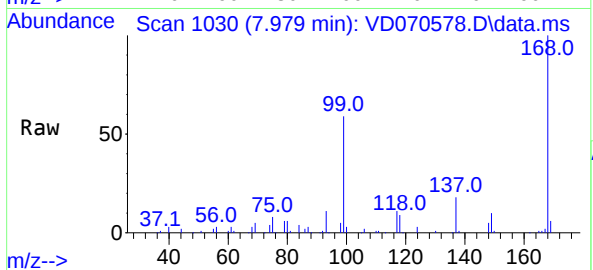




#36
1,1-Dichloropropene
Concen: 4.165 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

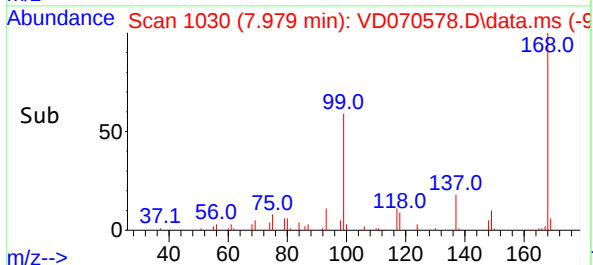
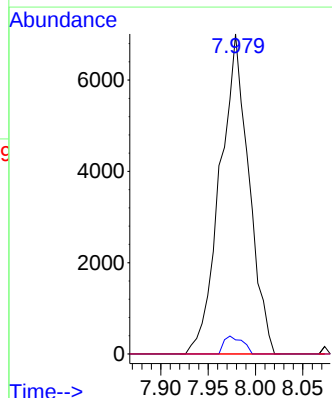
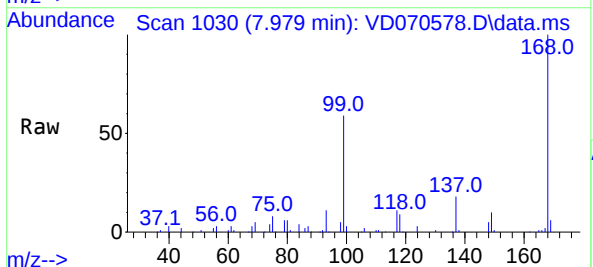
Instrument :
MSVOA_D
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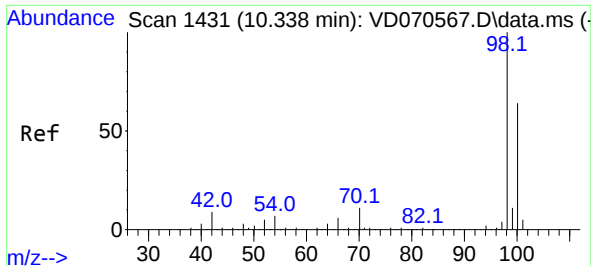
Tgt Ion: 75 Resp: 12270
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.6#
77 0.6 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 4.832 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

Tgt Ion: 117 Resp: 14895
Ion Ratio Lower Upper
117 100
119 4.4 77.4 116.0#
121 0.0 25.4 38.0#

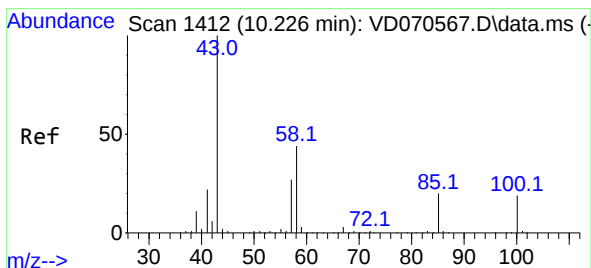
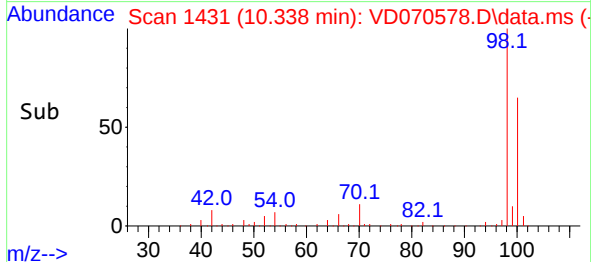
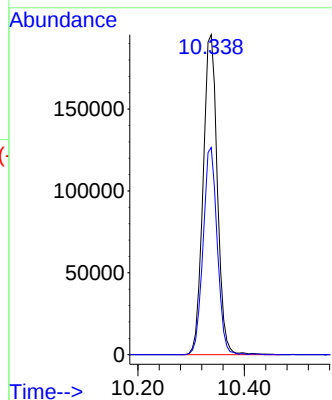
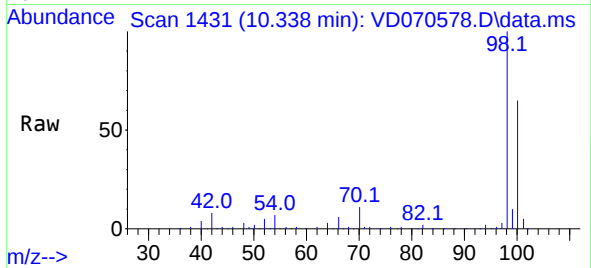




#50
Toluene-d8
Concen: 51.409 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

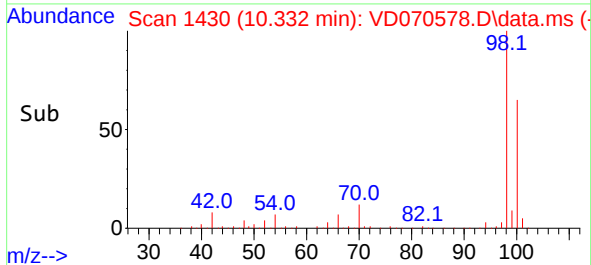
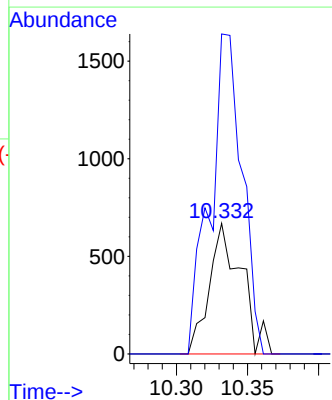
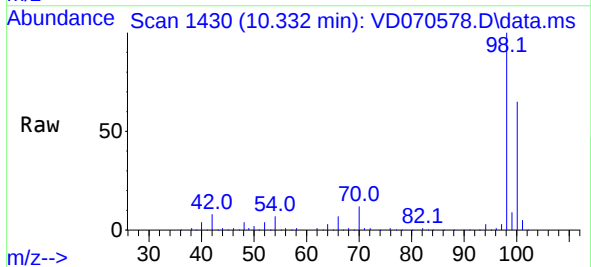
Instrument :
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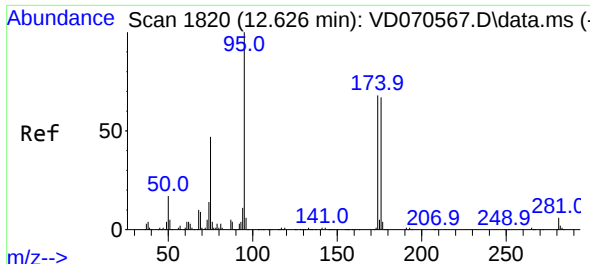
Tgt Ion: 98 Resp: 362425
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.133 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

Tgt Ion: 43 Resp: 1048
Ion Ratio Lower Upper
43 100
58 244.5 35.0 52.6#

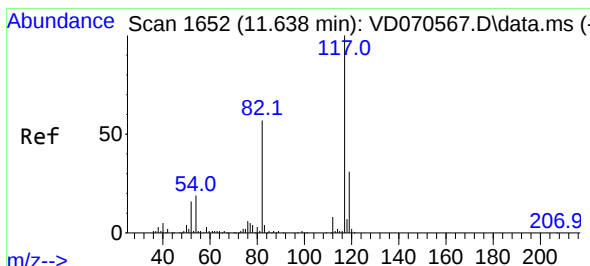
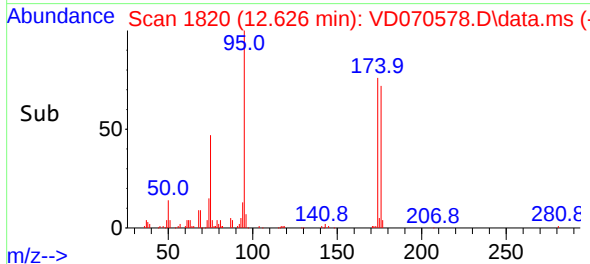
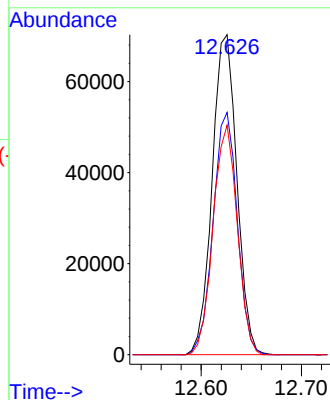
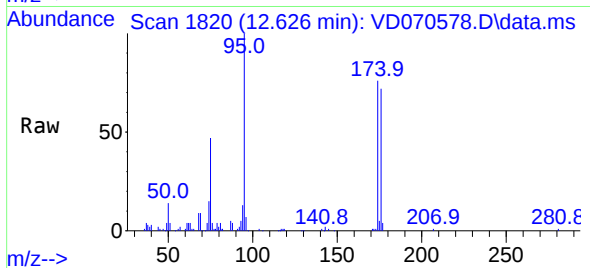




#62
4-Bromofluorobenzene
Concen: 51.050 ug/l
RT: 12.626 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

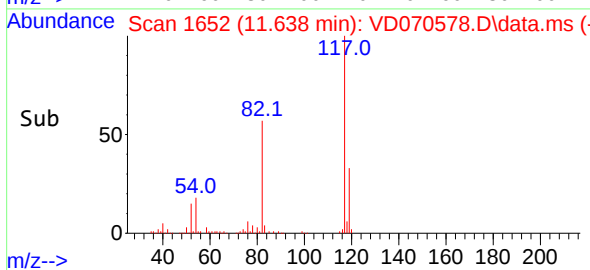
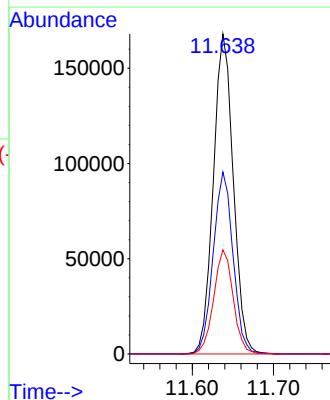
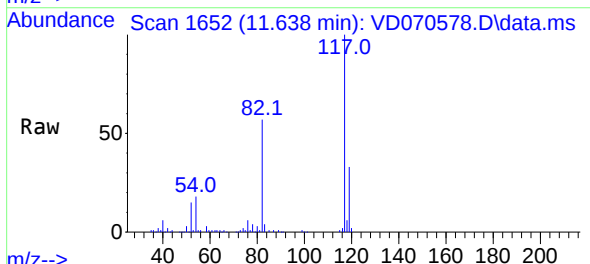
Instrument :
MSVOA_D
ClientSampleId :
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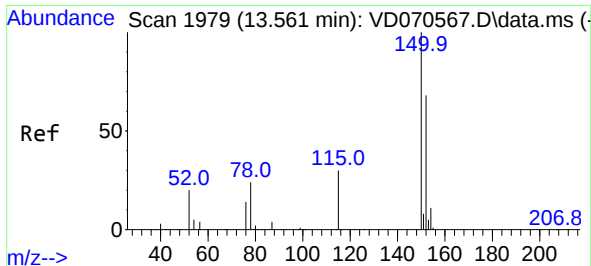
Tgt Ion: 95 Resp: 120285
Ion Ratio Lower Upper
95 100
174 74.1 0.0 138.0
176 70.2 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

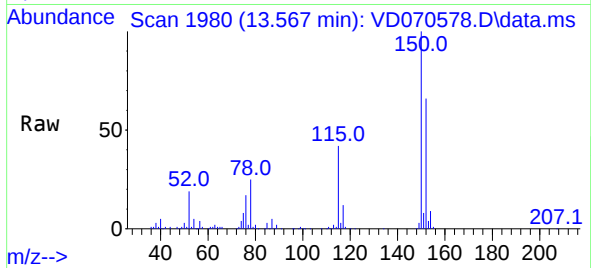
Tgt Ion: 117 Resp: 287239
Ion Ratio Lower Upper
117 100
82 56.8 45.4 68.2
119 32.5 24.7 37.1



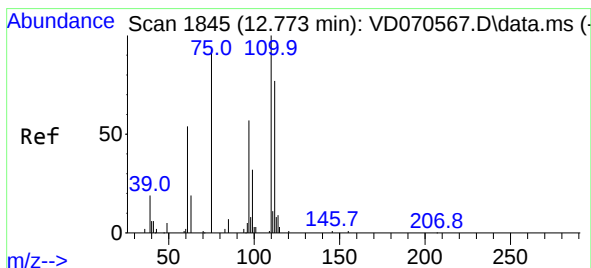
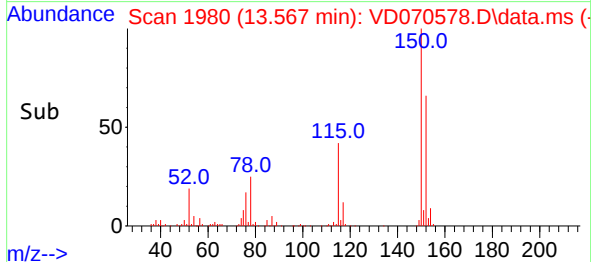
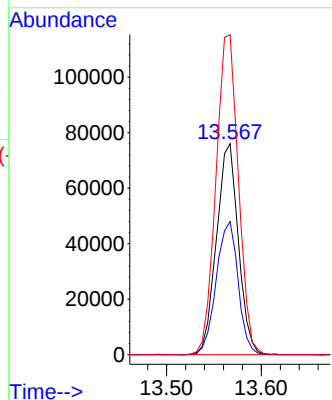


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

Instrument :
MSVOA_D
ClientSampleId :
357

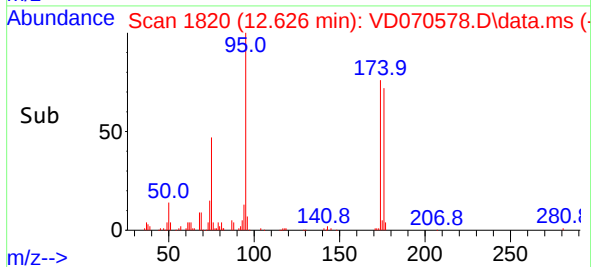
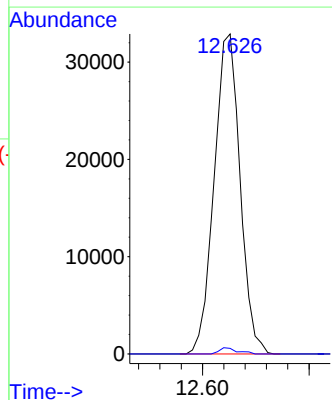
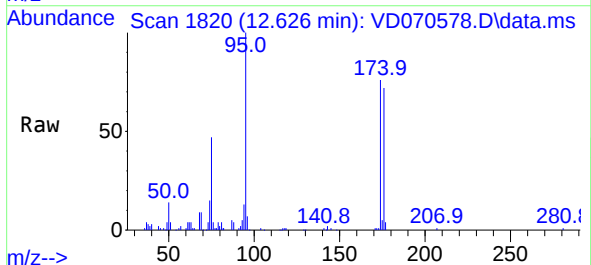


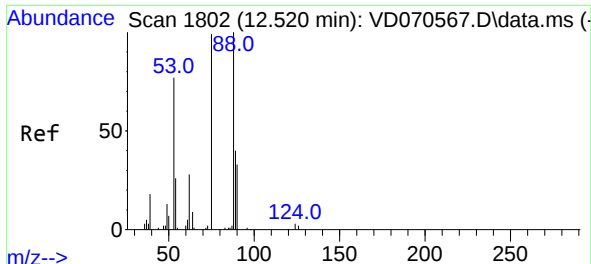
Tgt Ion:152 Resp: 122136
Ion Ratio Lower Upper
152 100
115 63.3 31.9 95.7
150 155.5 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 50.116 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

Tgt Ion: 75 Resp: 55402
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

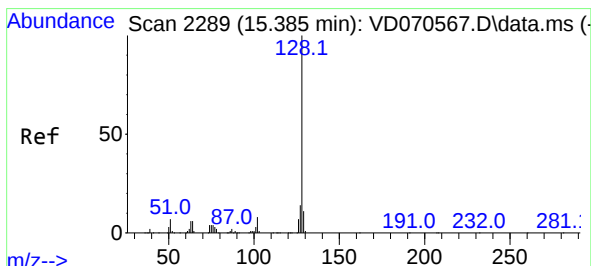
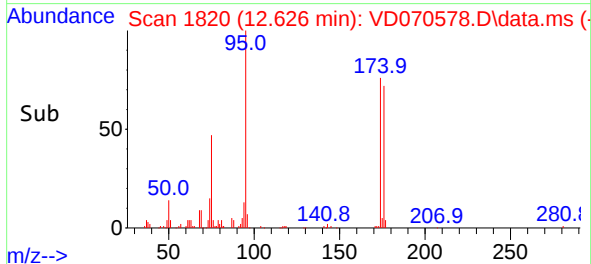
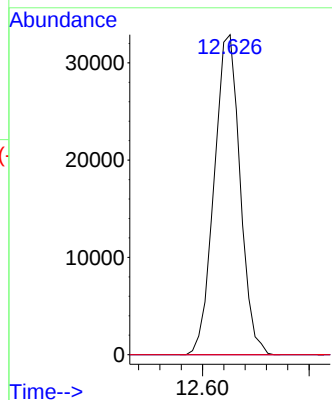
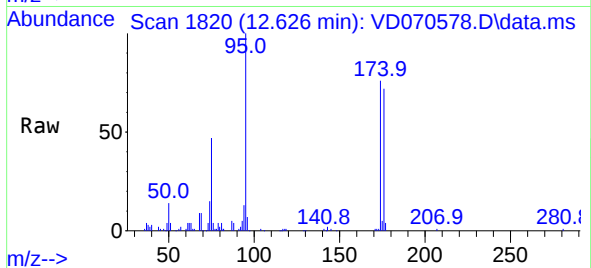




#81
trans-1,4-Dichloro-2-butene
Concen: 111.267 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

Instrument :
MSVOA_D
ClientSampleId :
357

Tgt Ion: 75 Resp: 55402
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.584 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070578.D
Acq: 05 Oct 2021 18:10

Tgt Ion:128 Resp: 383
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

