

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070659.D
 Acq On : 11 Oct 2021 14:44
 Operator : VA/SY
 Sample : M4135-01
 Misc : 6.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TS-2

Quant Time: Oct 12 05:40:45 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)

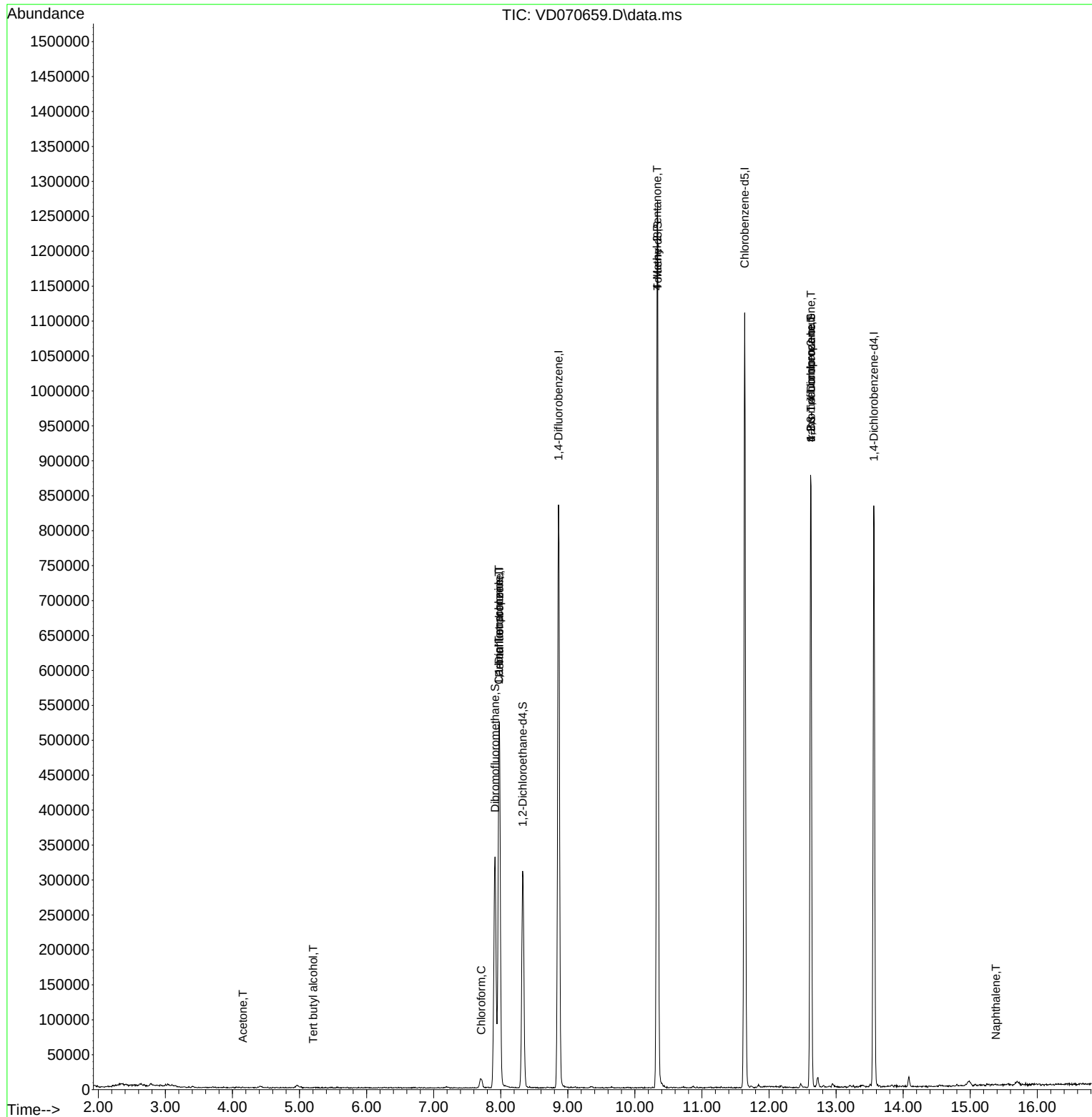
Internal Standards						
1) Pentafluorobenzene	7.979	168	376819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	731201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	650829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	220575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	249280	56.212	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.420%			
35) Dibromofluoromethane	7.914	113	243645	50.118	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.240%			
50) Toluene-d8	10.338	98	909460	48.936	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.880%			
62) 4-Bromofluorobenzene	12.626	95	264667	42.610	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.220%			
Target Compounds						
5) Bromomethane	2.779	94	1796	Below Cal	#	70
11) Tert butyl alcohol	5.203	59	474	2.158	ug/l #	83
16) Acetone	4.156	43	1028	1.365	ug/l	97
20) Methylene Chloride	4.968	84	2747	Below Cal		86
30) Chloroform	7.709	83	11977	1.236	ug/l	94
36) 1,1-Dichloropropene	7.973	75	31969	4.117	ug/l #	50
38) Carbon Tetrachloride	7.973	117	40864	5.028	ug/l #	15
51) 4-Methyl-2-Pentanone	10.332	43	3008	1.233	ug/l #	1
59) 2-Hexanone	10.979	43	179	Below Cal	#	31
76) 1,2,3-Trichloropropane	12.626	75	126960	63.593	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	126960	141.188	ug/l #	17
95) Naphthalene	15.385	128	1766	2.730	ug/l #	78

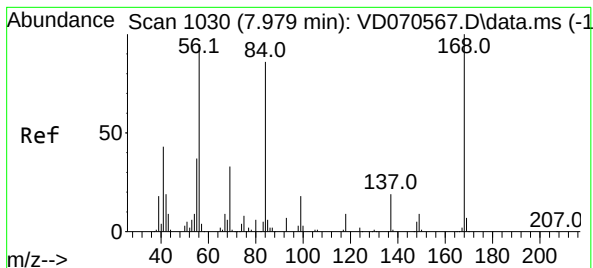
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :
TS-2

Quant Time: Oct 12 05:40:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
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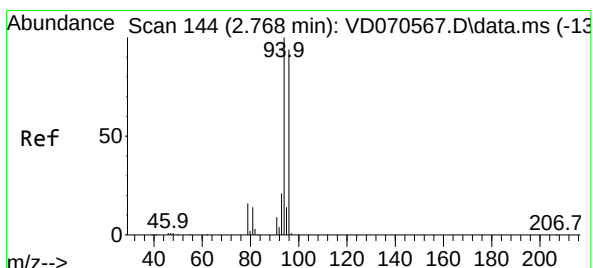
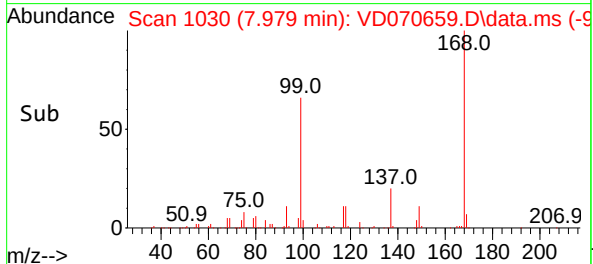
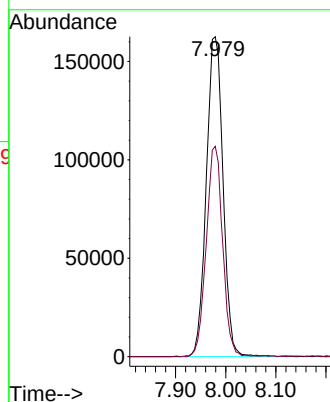
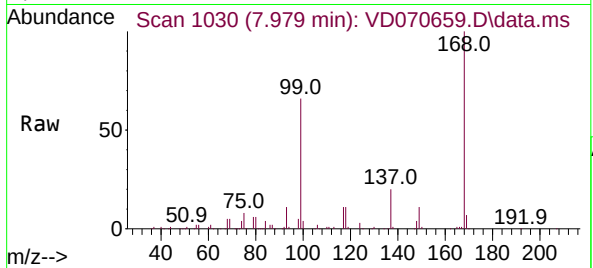




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

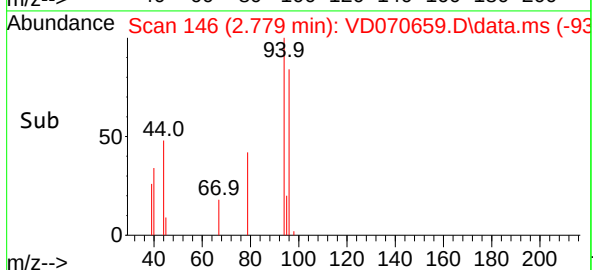
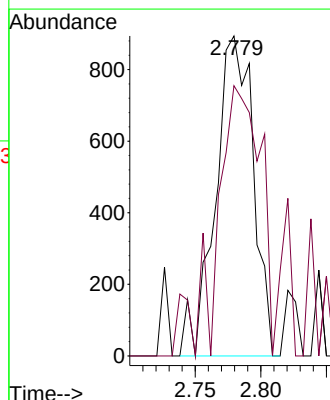
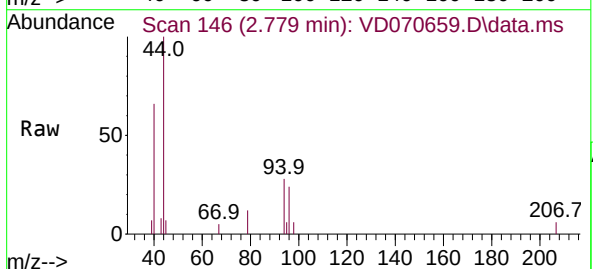
Instrument :
MSVOA_D
ClientSampleId :
TS-2

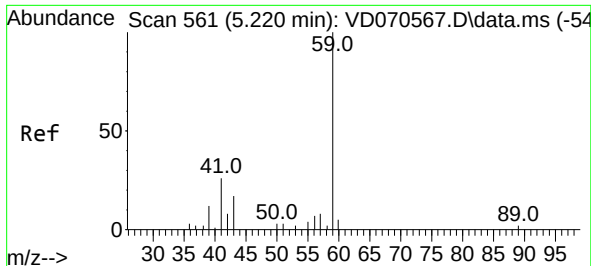
Tgt Ion:168 Resp: 376819
Ion Ratio Lower Upper
168 100
99 65.8 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

Tgt Ion: 94 Resp: 1796
Ion Ratio Lower Upper
94 100
96 65.1 75.5 113.3#

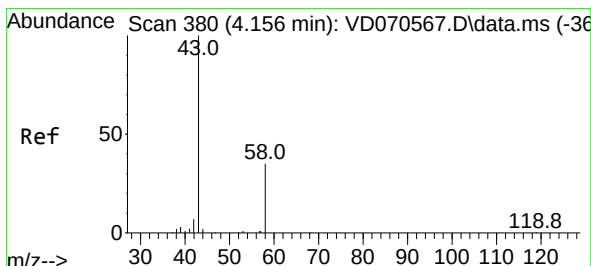
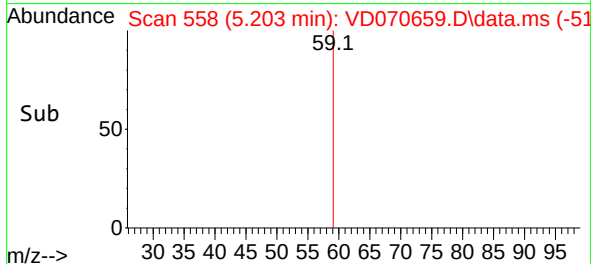
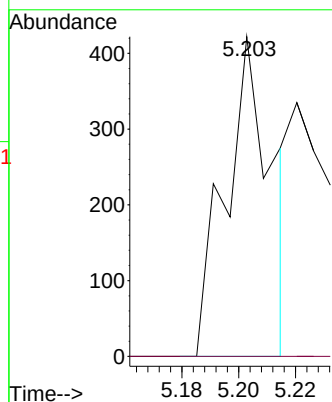
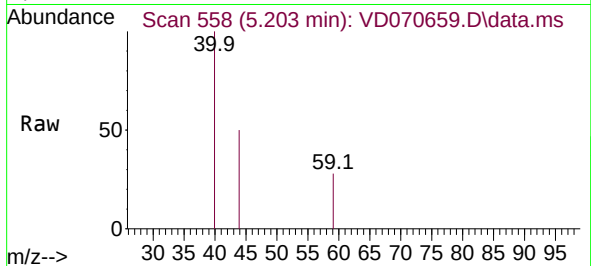




#11
Tert butyl alcohol
Concen: 2.158 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

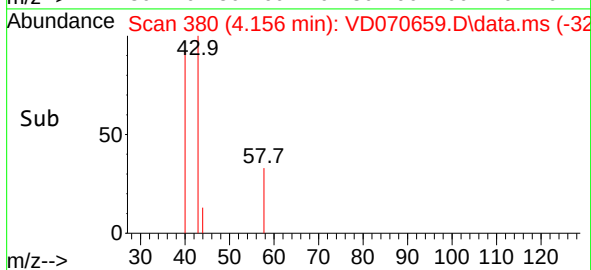
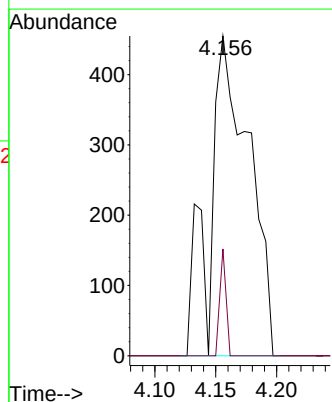
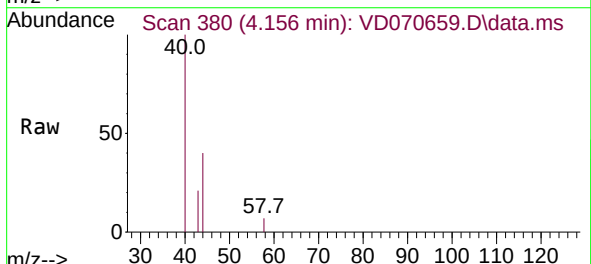
Instrument :
MSVOA_D
ClientSampleId :
TS-2

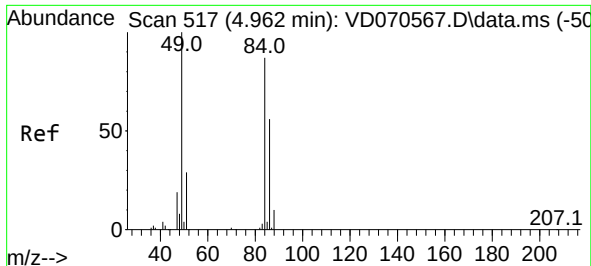
Tgt Ion: 59 Resp: 474
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#16
Acetone
Concen: 1.365 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

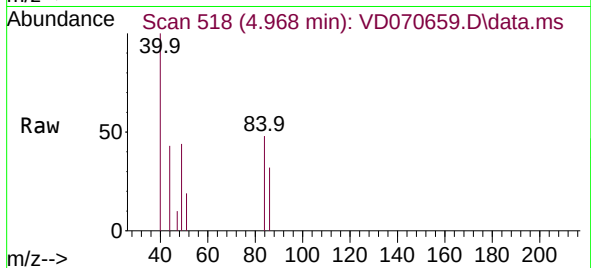
Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
58 33.4 28.2 42.2





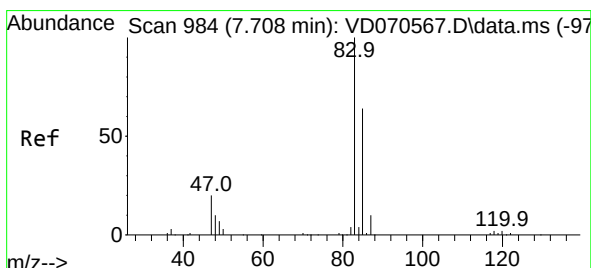
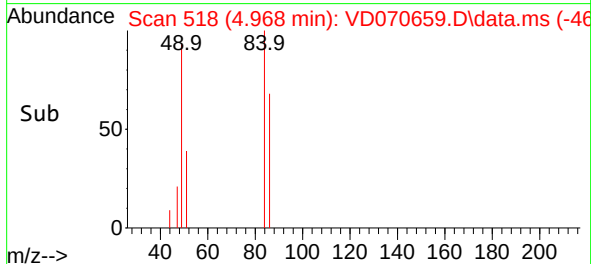
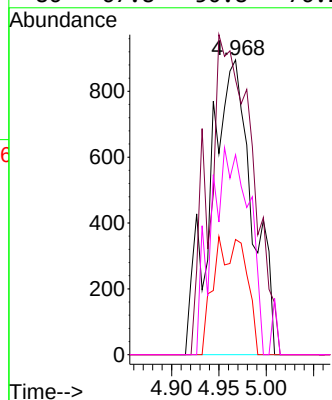
#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

Instrument :
MSVOA_D
ClientSampleId :
TS-2



Tgt Ion: 84 Resp: 2747

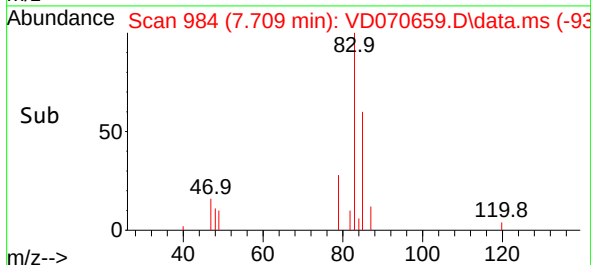
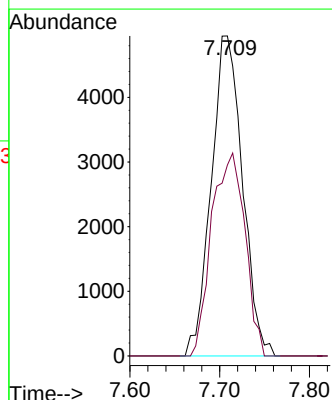
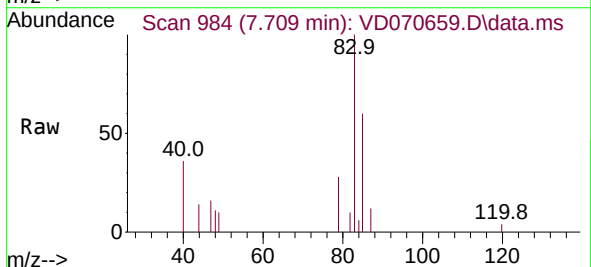
Ion	Ratio	Lower	Upper
84	100		
49	93.3	91.4	137.2
51	39.1	26.7	40.1
86	67.8	50.8	76.2

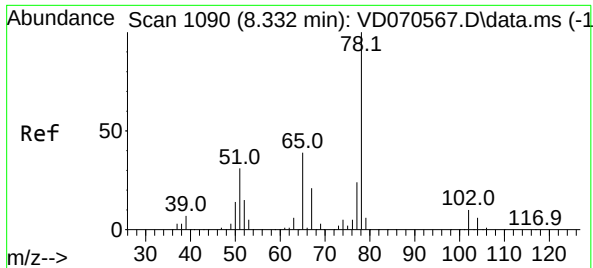


#30
Chloroform
Concen: 1.236 ug/l
RT: 7.709 min Scan# 984
Delta R.T. 0.000 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

Tgt Ion: 83 Resp: 11977

Ion	Ratio	Lower	Upper
83	100		
85	59.7	51.2	76.8

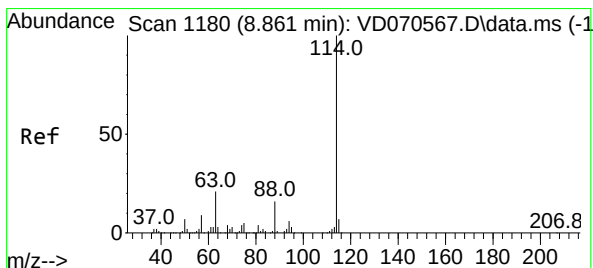
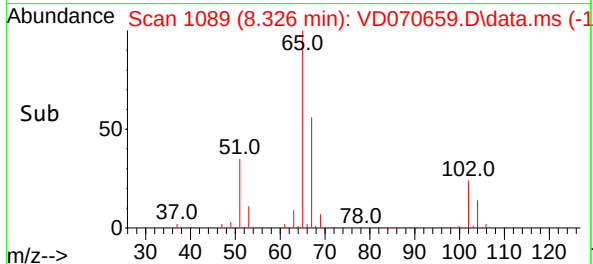
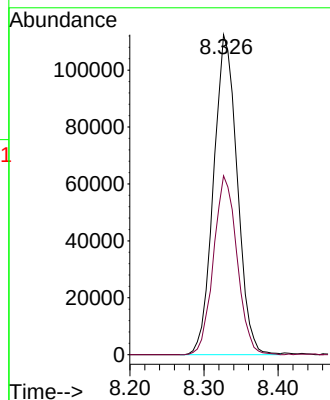
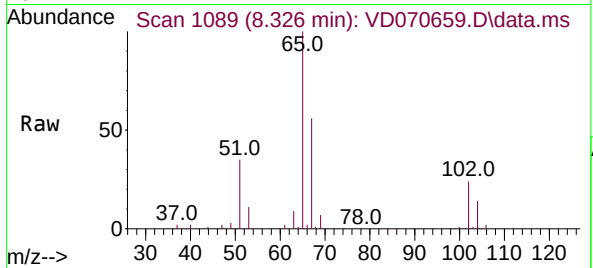




#33
1,2-Dichloroethane-d4
Concen: 56.212 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

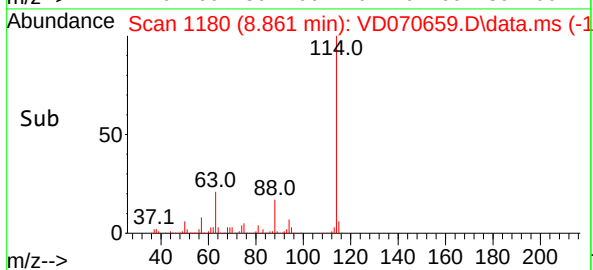
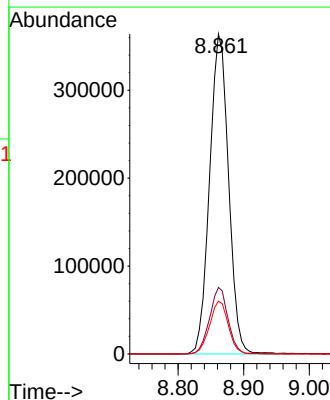
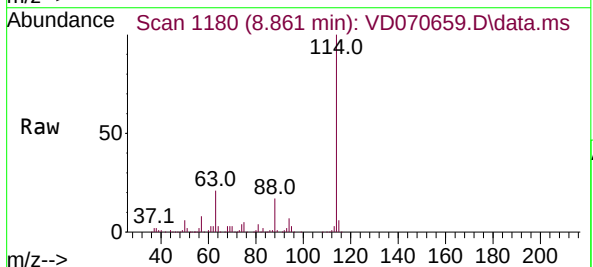
Instrument :
MSVOA_D
ClientSampled :
TS-2

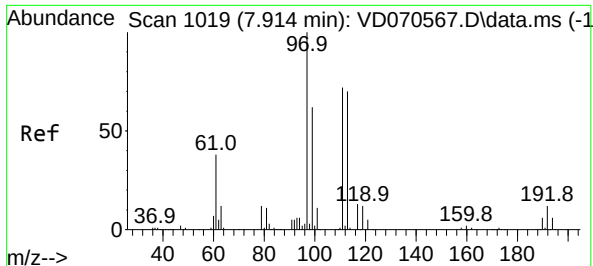
Tgt Ion: 65 Resp: 249280
Ion Ratio Lower Upper
65 100
67 55.5 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

Tgt Ion: 114 Resp: 731201
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.8
88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.118 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070659.D

Acq: 11 Oct 2021 14:44

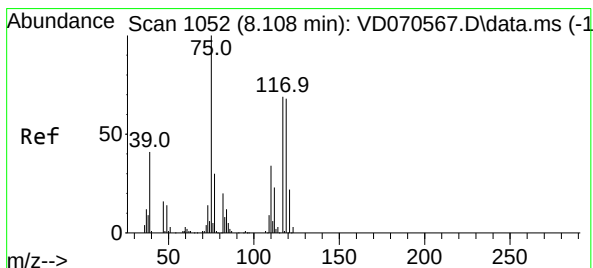
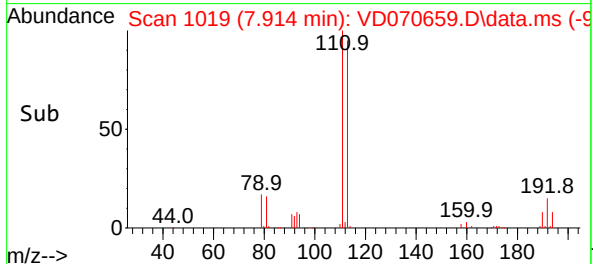
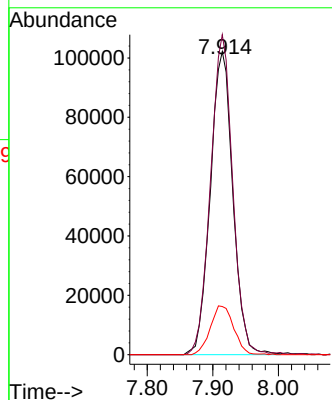
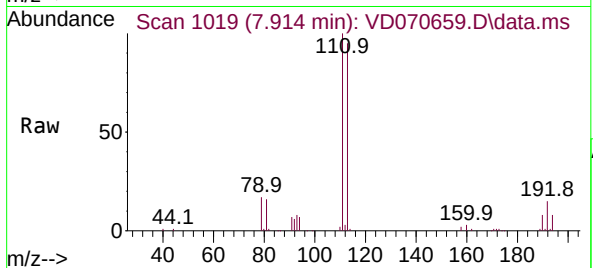
Tgt Ion:113 Resp: 243645

Ion Ratio Lower Upper

113 100

111 103.9 83.1 124.7

192 16.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.117 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070659.D

Acq: 11 Oct 2021 14:44

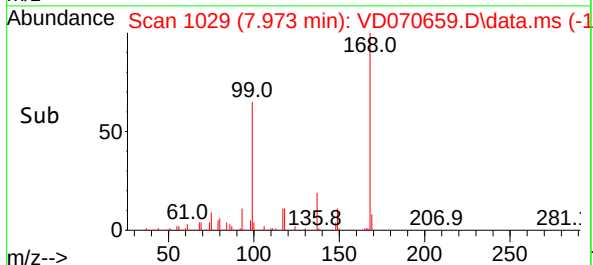
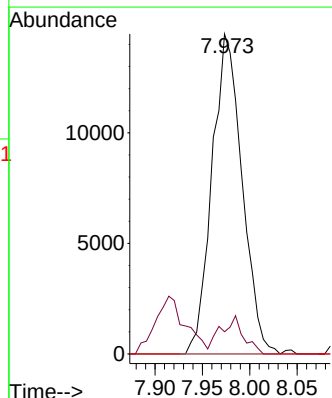
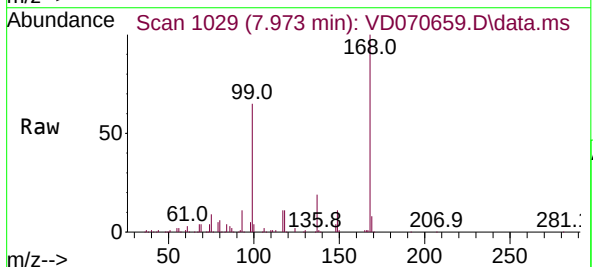
Tgt Ion: 75 Resp: 31969

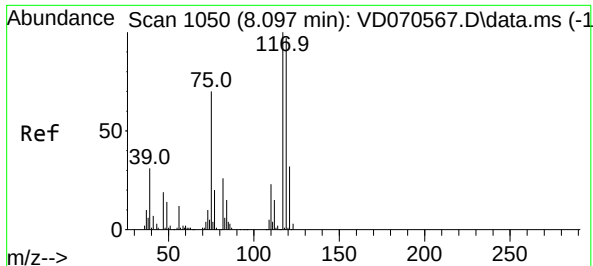
Ion Ratio Lower Upper

75 100

110 9.0 17.2 51.6#

77 0.0 24.2 36.4#

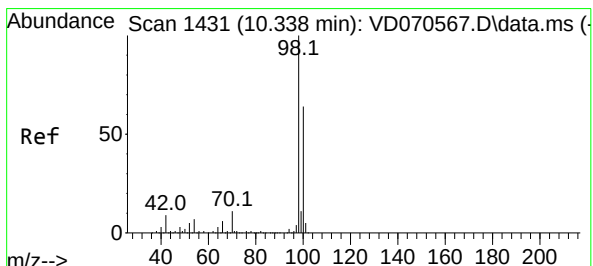
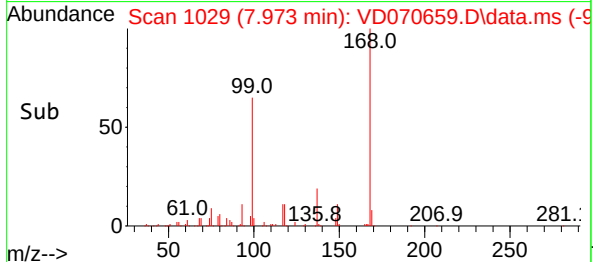
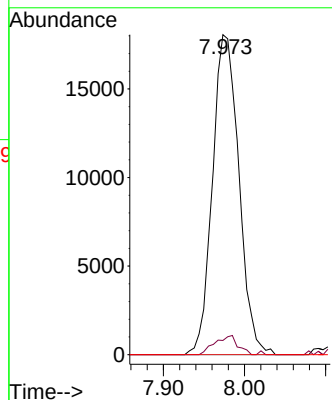
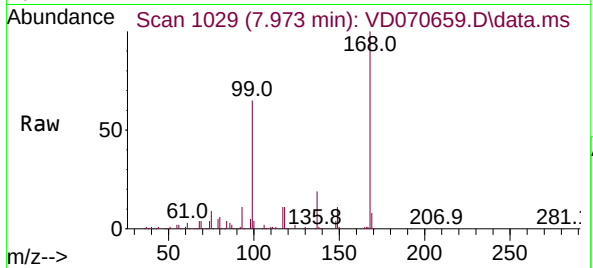




#38
Carbon Tetrachloride
Concen: 5.028 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

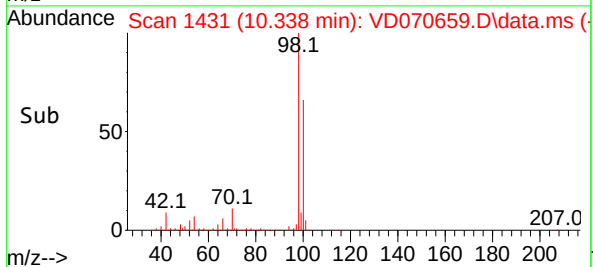
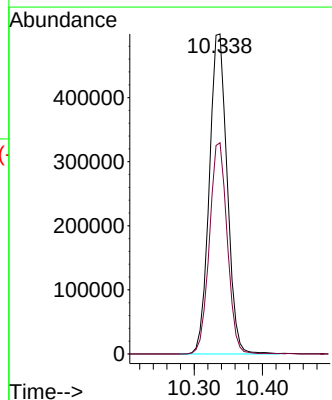
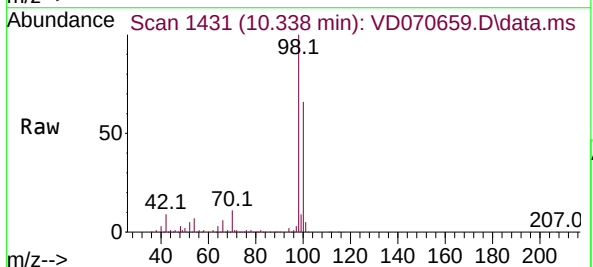
Instrument :
MSVOA_D
ClientSampleId :
TS-2

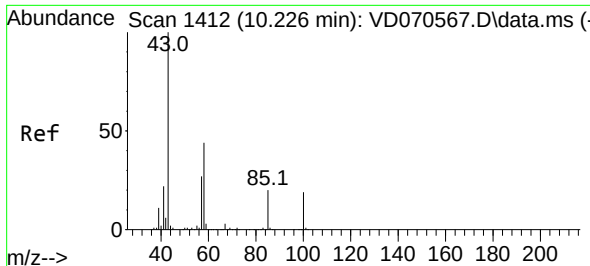
Tgt Ion:117 Resp: 40864
Ion Ratio Lower Upper
117 100
119 4.4 77.4 116.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 48.936 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

Tgt Ion: 98 Resp: 909460
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.4

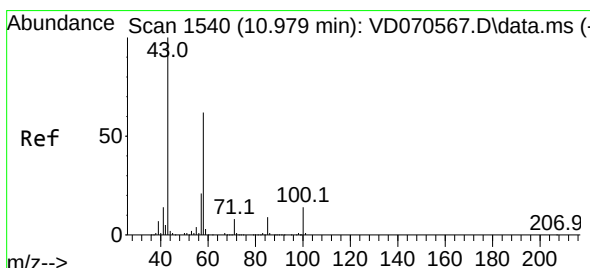
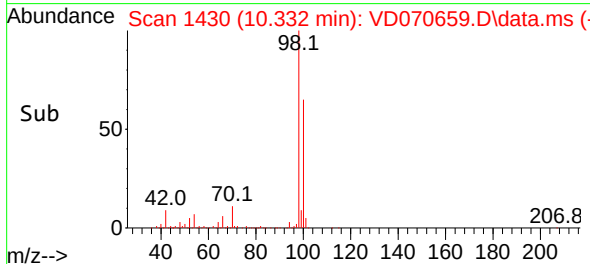
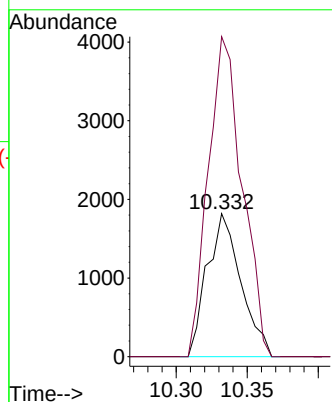
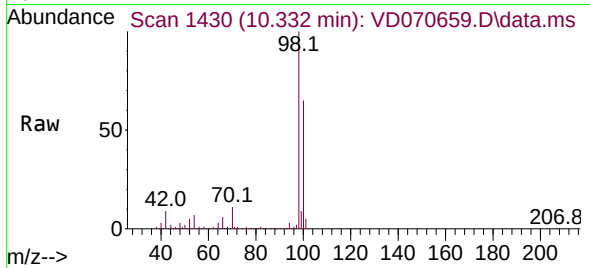




#51
4-Methyl-2-Pentanone
Concen: 1.233 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

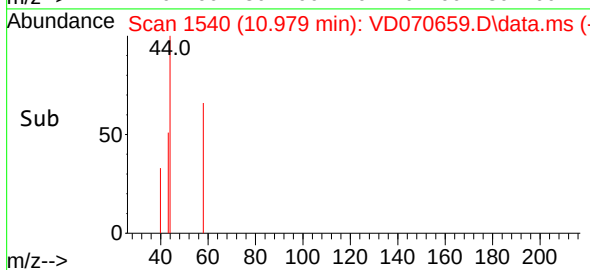
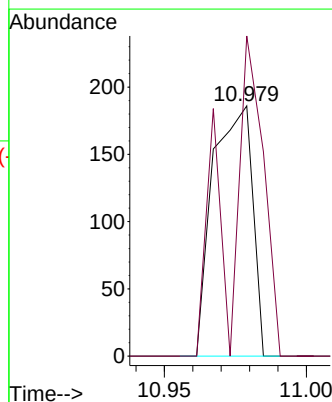
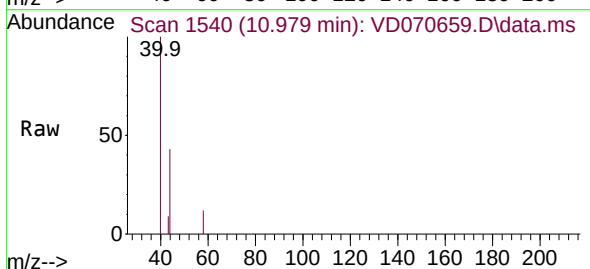
Instrument :
MSVOA_D
ClientSampleId :
TS-2

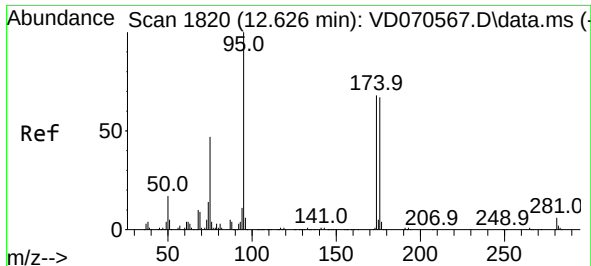
Tgt Ion: 43 Resp: 3008
Ion Ratio Lower Upper
43 100
58 225.3 35.0 52.6#



#59
2-Hexanone
Concen: Below Cal
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
58 113.4 30.4 91.3#

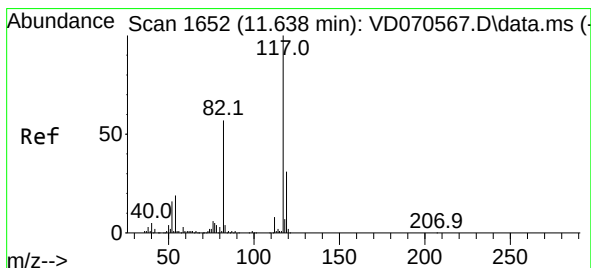
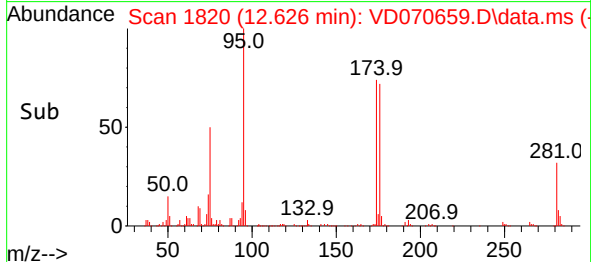
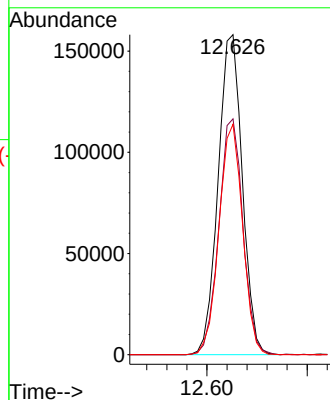
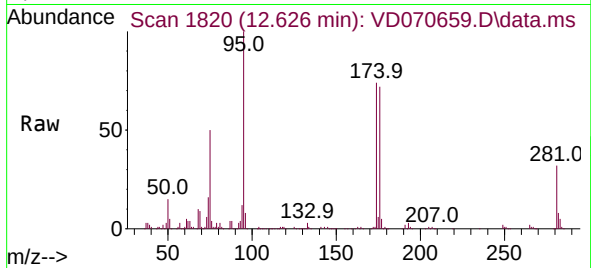




#62
4-Bromofluorobenzene
Concen: 42.610 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

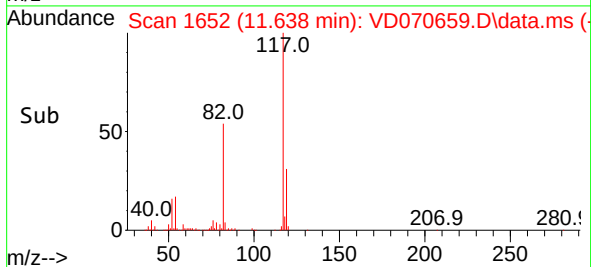
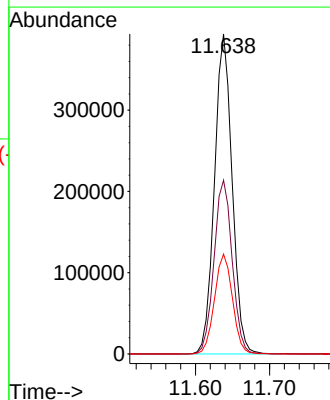
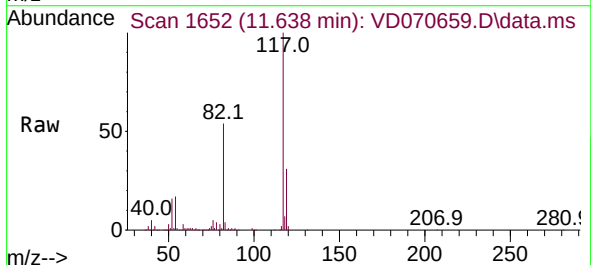
Instrument :
MSVOA_D
ClientSampleId :
TS-2

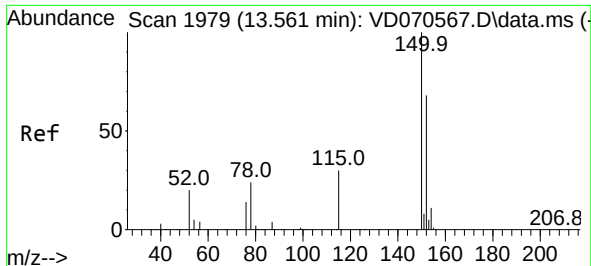
Tgt Ion: 95 Resp: 264667
Ion Ratio Lower Upper
95 100
174 73.2 0.0 138.0
176 70.2 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

Tgt Ion: 117 Resp: 650829
Ion Ratio Lower Upper
117 100
82 54.3 45.4 68.2
119 31.2 24.7 37.1

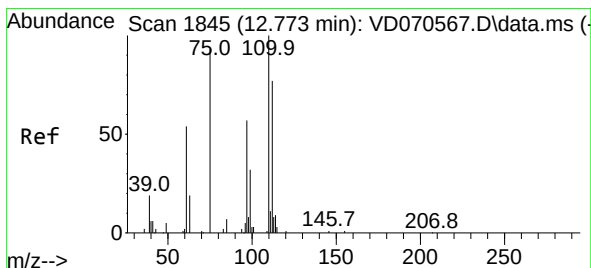
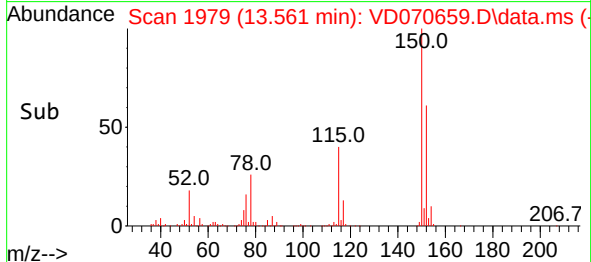
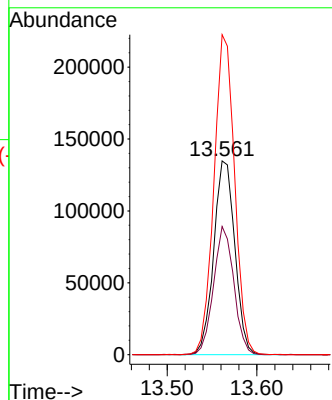
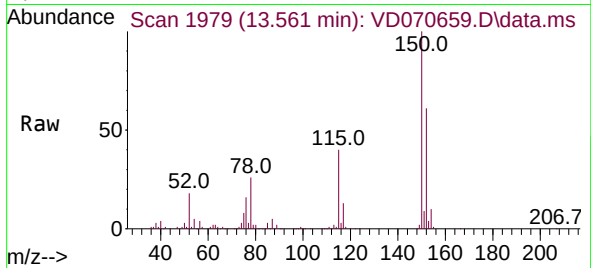




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070659.D
 Acq: 11 Oct 2021 14:44

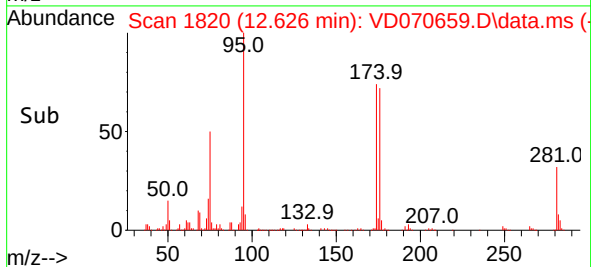
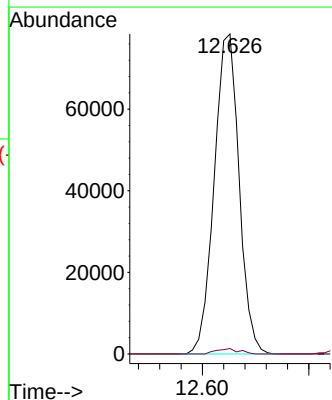
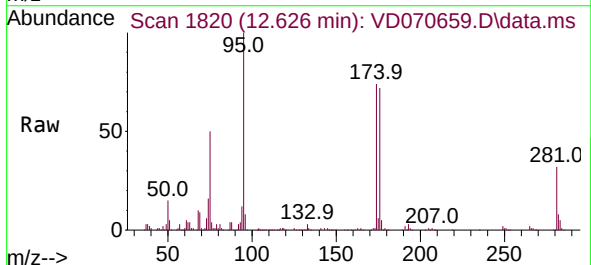
Instrument :
 MSVOA_D
 ClientSampled :
 TS-2

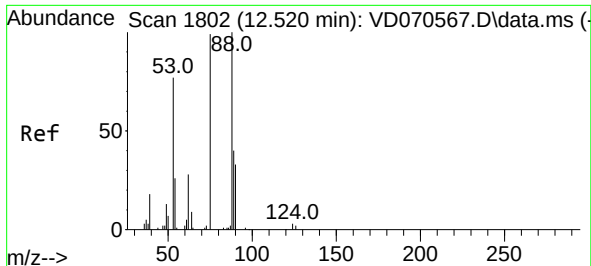
Tgt Ion:152 Resp: 220575
 Ion Ratio Lower Upper
 152 100
 115 63.5 31.9 95.7
 150 161.7 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 63.593 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070659.D
 Acq: 11 Oct 2021 14:44

Tgt Ion: 75 Resp: 126960
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

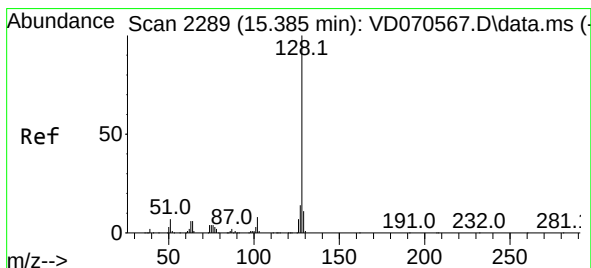
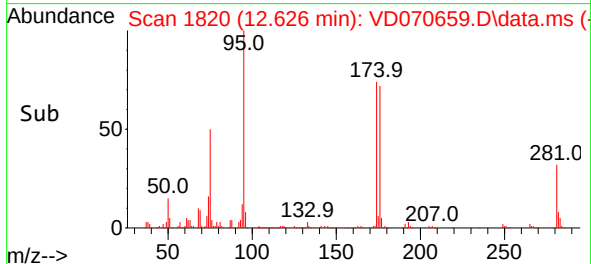
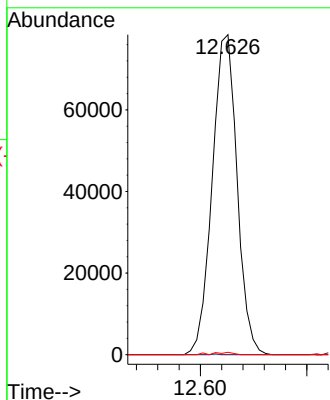
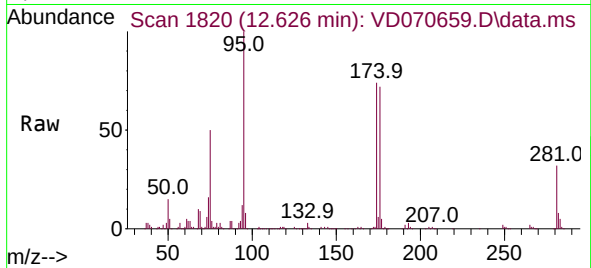




#81
trans-1,4-Dichloro-2-butene
Concen: 141.188 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

Instrument :
MSVOA_D
ClientSampleId :
TS-2

Tgt Ion: 75 Resp: 126960
Ion Ratio Lower Upper
75 100
53 0.1 64.5 96.7#
89 0.6 35.3 52.9#



#95
Naphthalene
Concen: 2.730 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070659.D
Acq: 11 Oct 2021 14:44

Tgt Ion: 128 Resp: 1766
Ion Ratio Lower Upper
128 100
127 3.6 10.9 16.3#
129 3.4 8.6 12.8#

