

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070647.D
 Acq On : 08 Oct 2021 19:09
 Operator : VA/SY
 Sample : M4020-03
 Misc : 5.63G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

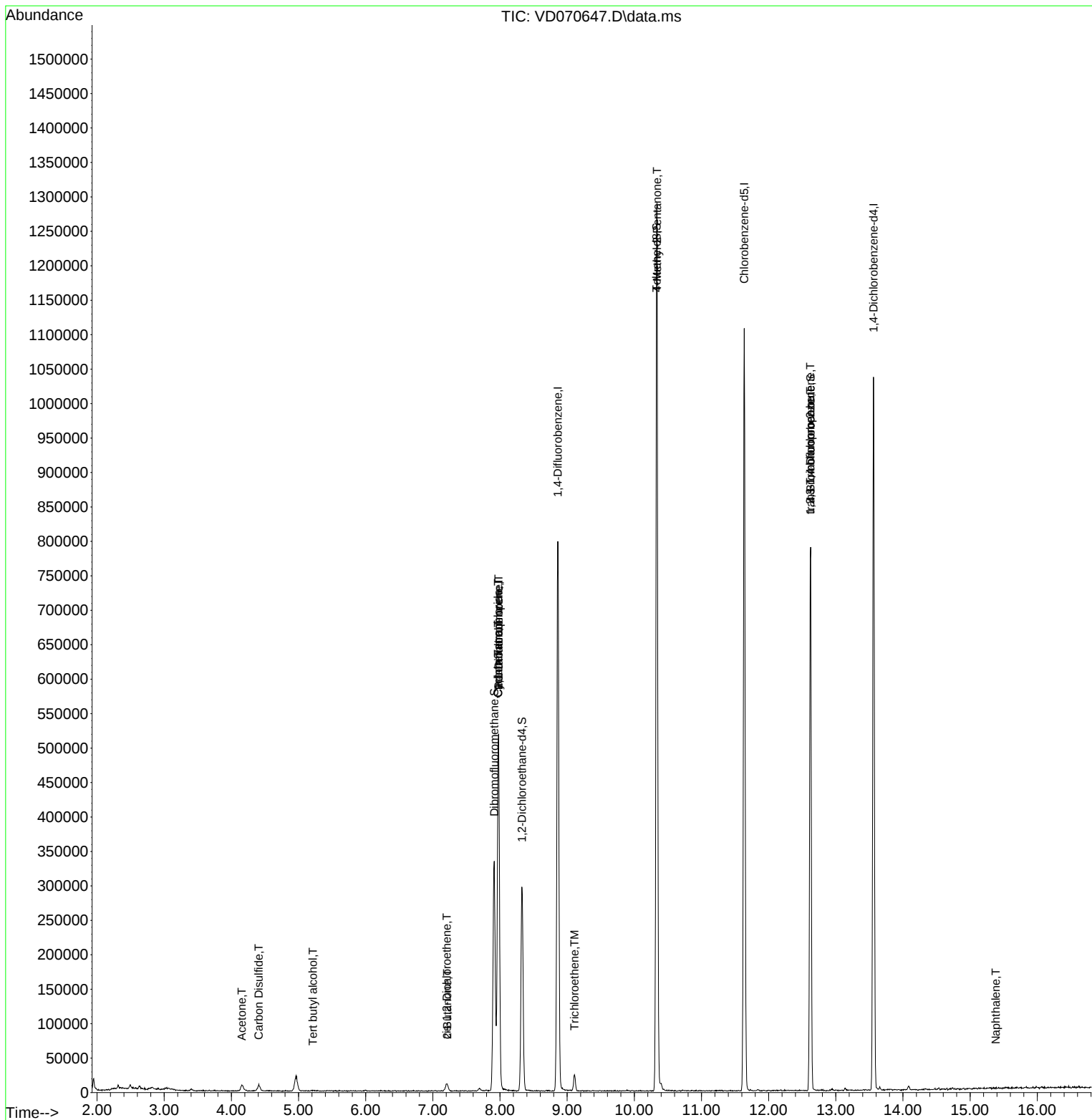
Quant Time: Oct 11 02:25:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

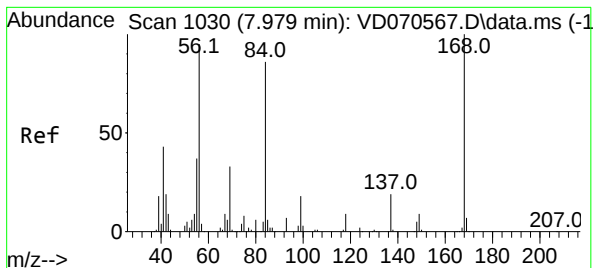
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	373244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	715642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	671330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	278675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	237167	53.993	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.980%			
35) Dibromofluoromethane	7.914	113	247277	51.971	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.940%			
50) Toluene-d8	10.332	98	915727	50.345	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.626	95	281882	46.368	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.740%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	819	Below Cal	#	77
11) Tert butyl alcohol	5.214	59	516	2.371	ug/l #	83
16) Acetone	4.156	43	15719	21.073	ug/l #	84
17) Carbon Disulfide	4.409	76	18008	1.126	ug/l #	90
20) Methylene Chloride	4.961	84	17581	Below Cal	#	87
25) 2-Butanone	7.214	43	1443	1.478	ug/l	89
27) cis-1,2-Dichloroethene	7.208	96	6730	1.243	ug/l	78
31) Cyclohexane	7.973	56	8237	1.013	ug/l #	25
36) 1,1-Dichloropropene	7.979	75	32087	4.222	ug/l #	50
38) Carbon Tetrachloride	7.973	117	41419	5.207	ug/l #	15
44) Trichloroethene	9.108	130	8631	1.562	ug/l	83
51) 4-Methyl-2-Pentanone	10.338	43	2980	1.248	ug/l #	1
59) 2-Hexanone	10.861	43	121	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.620	75	132036	52.347	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	132036	116.220	ug/l #	17
95) Naphthalene	15.384	128	55	2.496	ug/l #	69

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

Quant Time: Oct 11 02:25:03 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

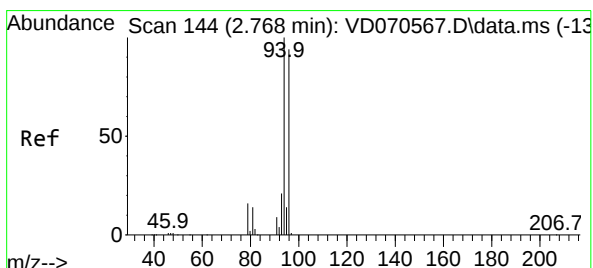
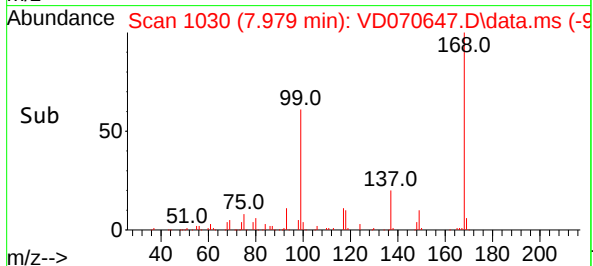
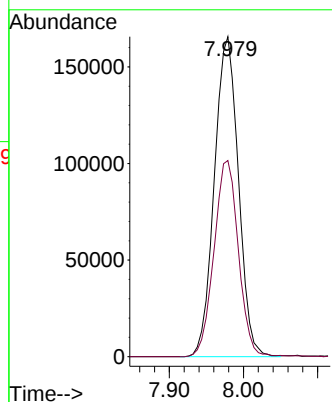
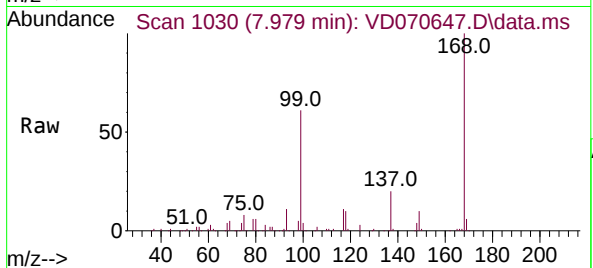




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

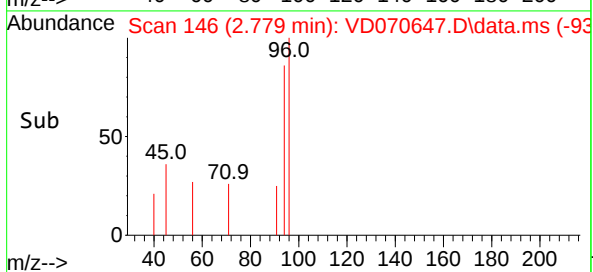
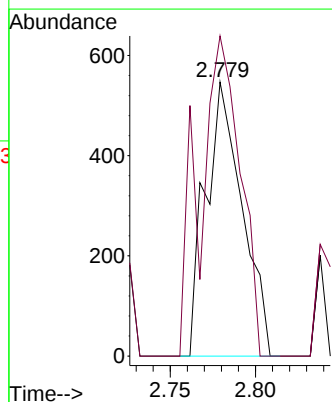
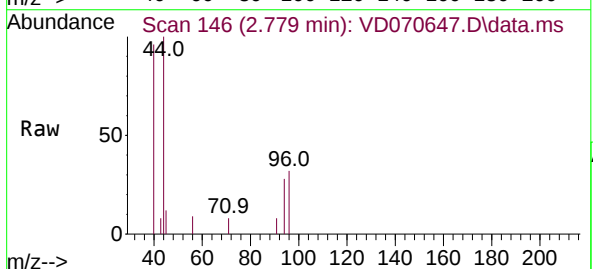
Instrument :
MSVOA_D
ClientSampled :

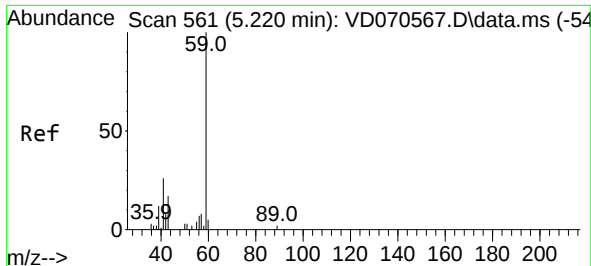
Tgt Ion:168 Resp: 373244
Ion Ratio Lower Upper
168 100
99 61.3 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

Tgt Ion: 94 Resp: 819
Ion Ratio Lower Upper
94 100
96 116.8 75.5 113.3#

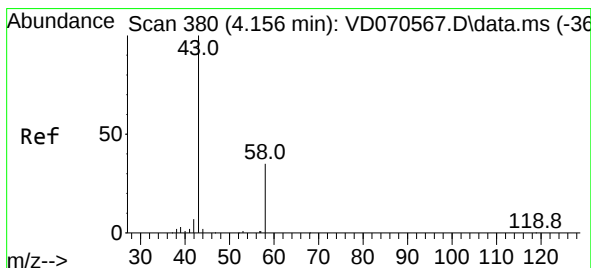
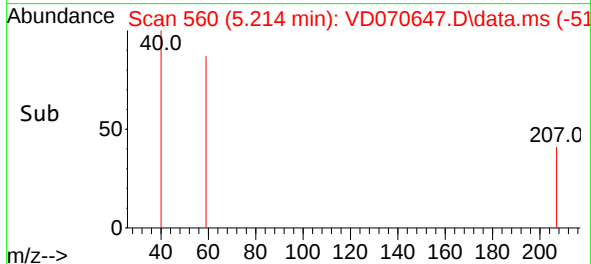
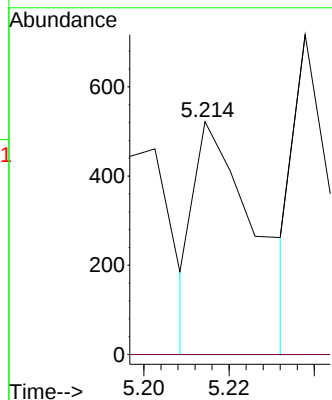
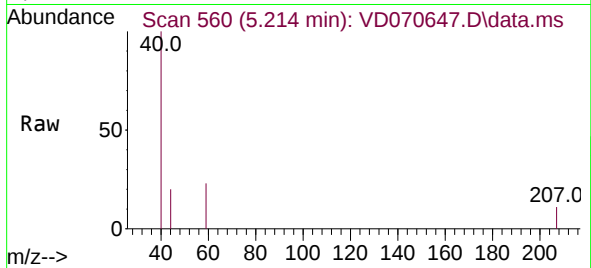




#11
Tert butyl alcohol
Concen: 2.371 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

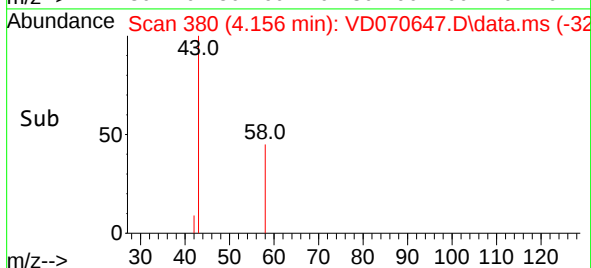
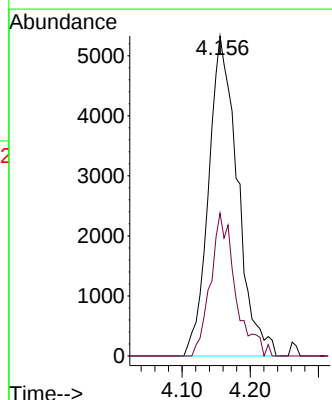
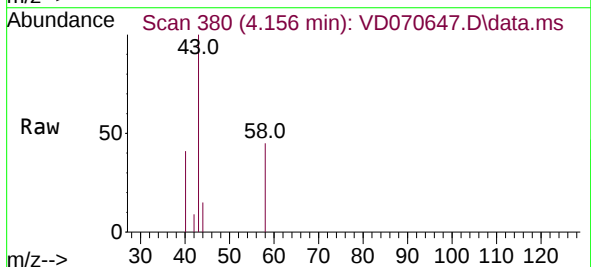
Instrument :
MSVOA_D
ClientSampleId :

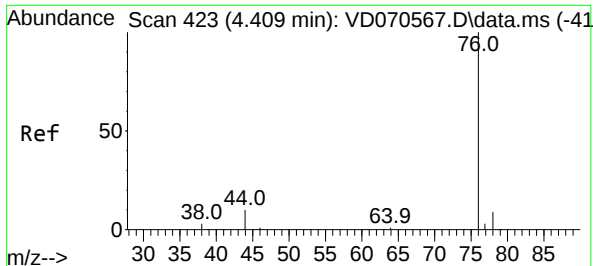
Tgt Ion: 59 Resp: 516
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#16
Acetone
Concen: 21.073 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

Tgt Ion: 43 Resp: 15719
Ion Ratio Lower Upper
43 100
58 44.6 28.2 42.2#

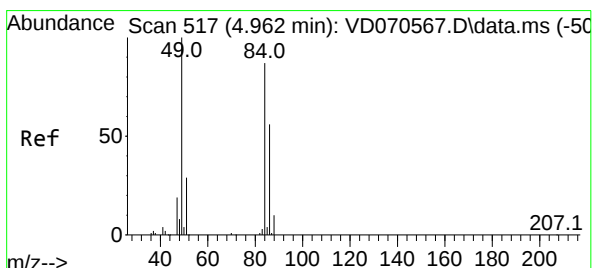
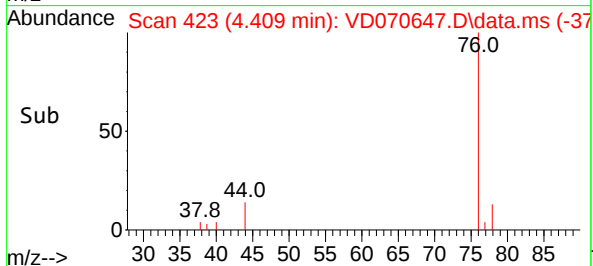
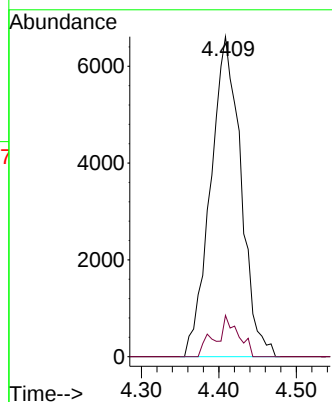
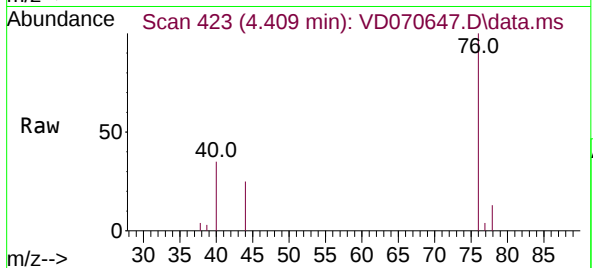




#17
Carbon Disulfide
Concen: 1.126 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

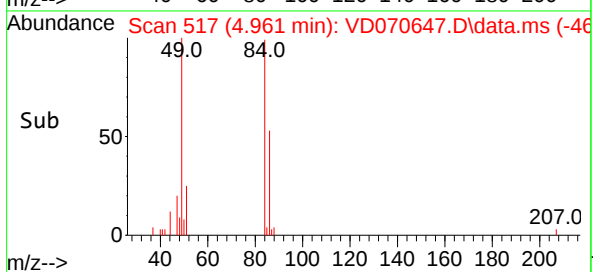
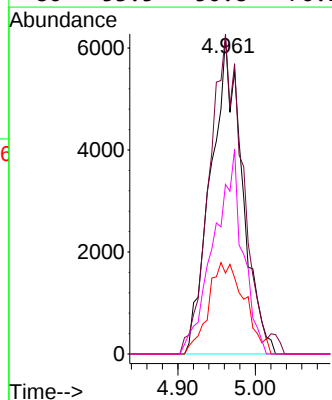
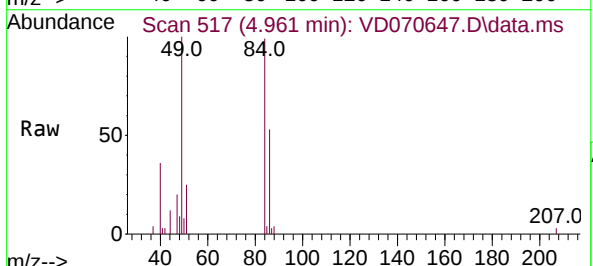
Instrument :
MSVOA_D
ClientSampleId :

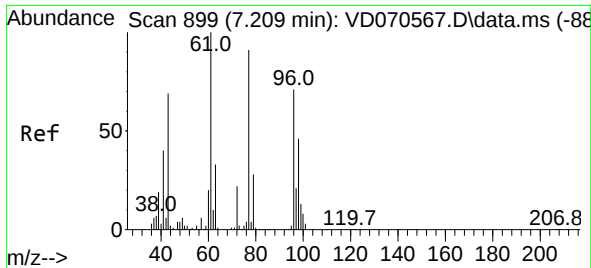
Tgt Ion: 76 Resp: 18008
Ion Ratio Lower Upper
76 100
78 12.9 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

Tgt Ion: 84 Resp: 17581
Ion Ratio Lower Upper
84 100
49 101.0 91.4 137.2
51 25.5 26.7 40.1#
86 53.5 50.8 76.2

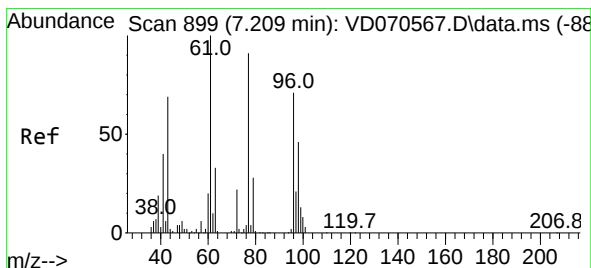
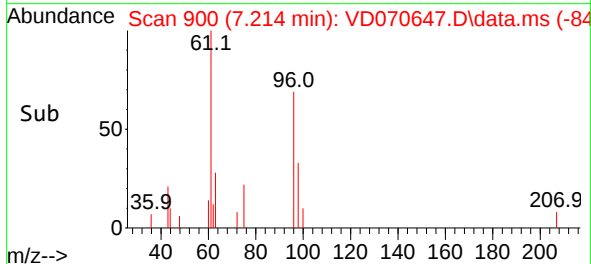
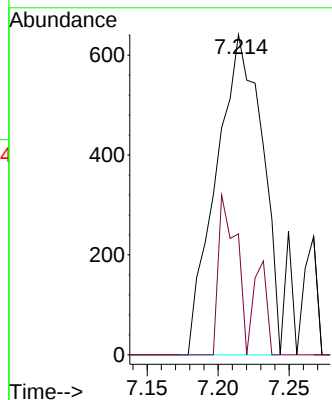
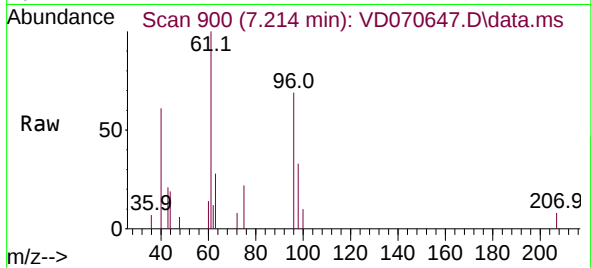




#25
2-Butanone
Concen: 1.478 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

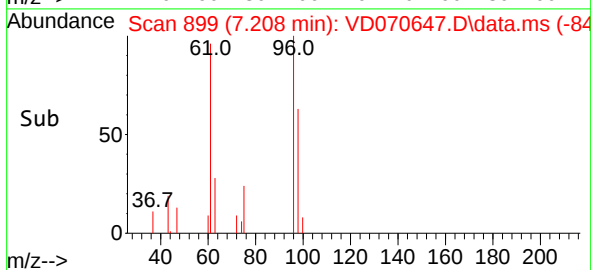
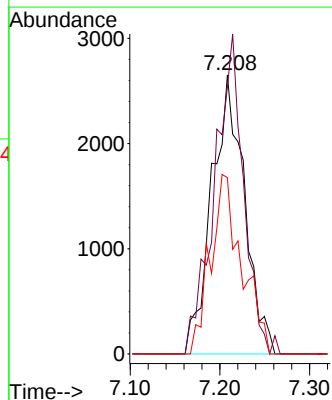
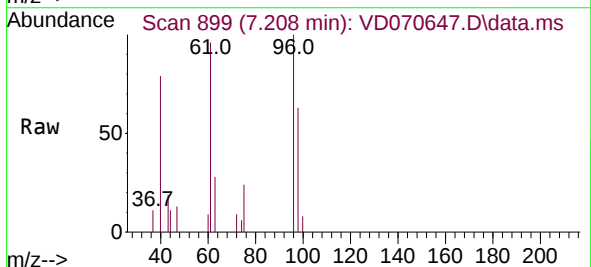
Instrument :
MSVOA_D
ClientSampled :

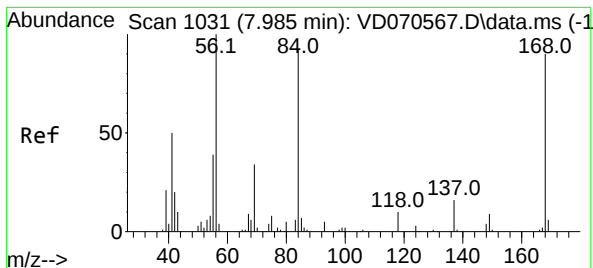
Tgt Ion: 43 Resp: 1443
Ion Ratio Lower Upper
43 100
72 37.8 25.2 37.8



#27
cis-1,2-Dichloroethene
Concen: 1.243 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

Tgt Ion: 96 Resp: 6730
Ion Ratio Lower Upper
96 100
61 102.2 0.0 278.2
98 61.1 0.0 128.6





#31

Cyclohexane

Concen: 1.013 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070647.D

Acq: 08 Oct 2021 19:09

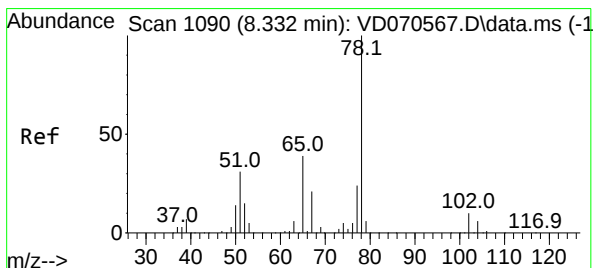
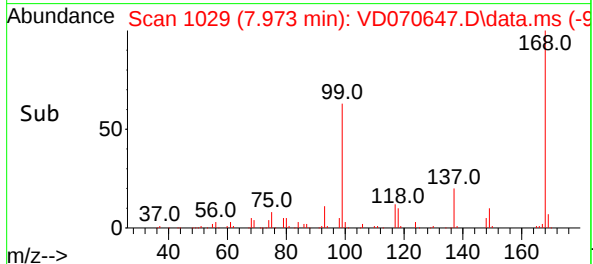
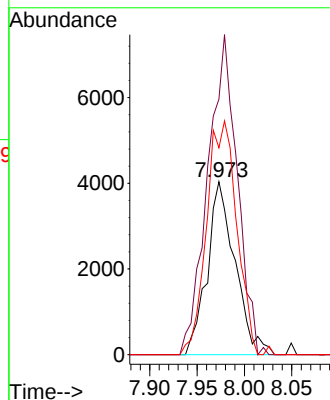
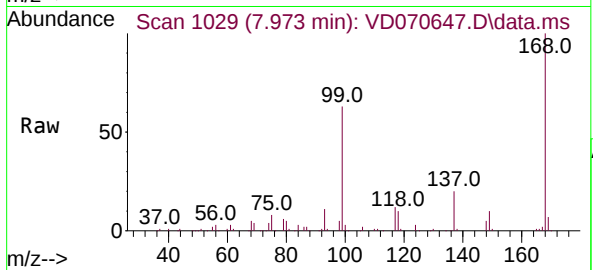
Tgt Ion: 56 Resp: 8237

Ion Ratio Lower Upper

56 100

69 147.8 27.4 41.2#

84 119.7 73.6 110.4#



#33

1,2-Dichloroethane-d4

Concen: 53.993 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD070647.D

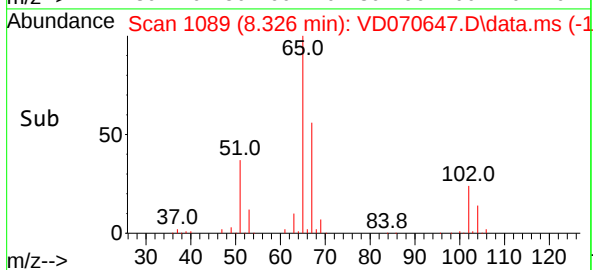
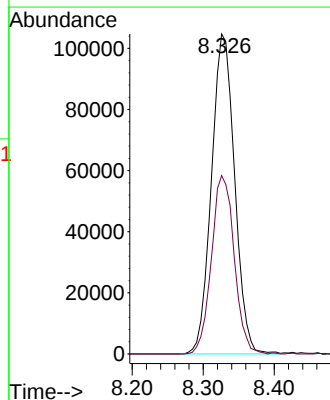
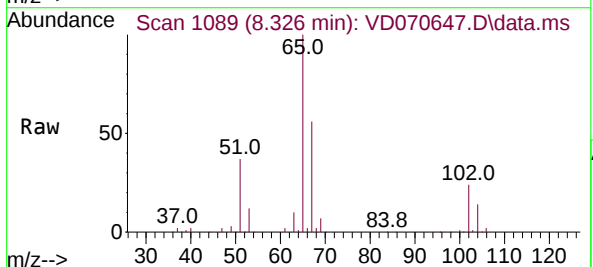
Acq: 08 Oct 2021 19:09

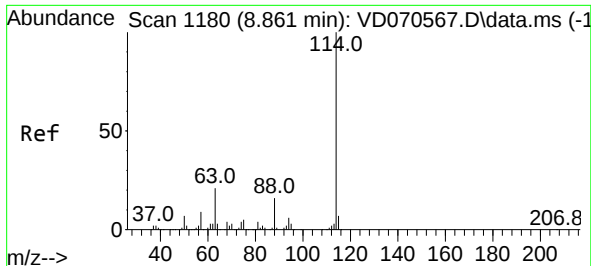
Tgt Ion: 65 Resp: 237167

Ion Ratio Lower Upper

65 100

67 54.7 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: VD070647.D

Acq: 08 Oct 2021 19:09

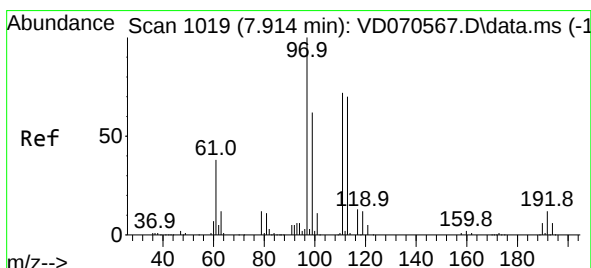
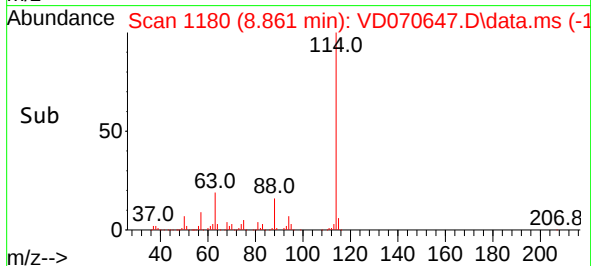
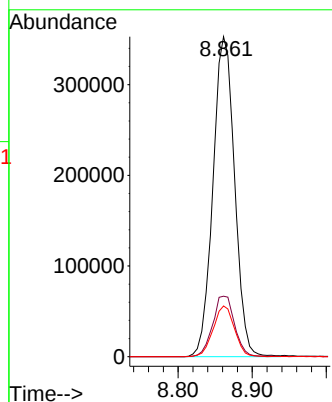
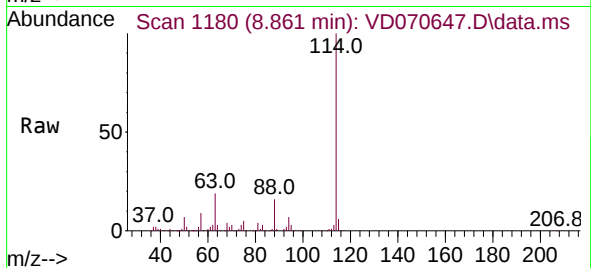
Tgt Ion:114 Resp: 715642

Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.8

88 15.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.971 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070647.D

Acq: 08 Oct 2021 19:09

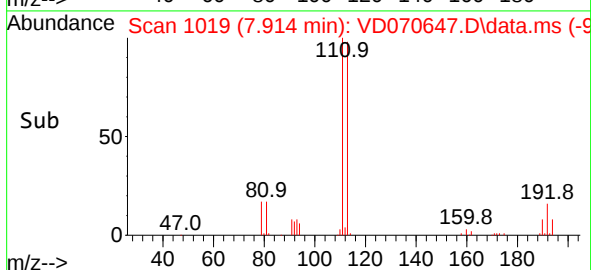
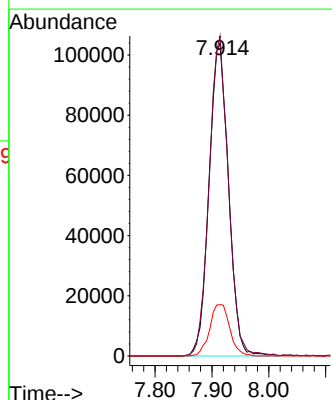
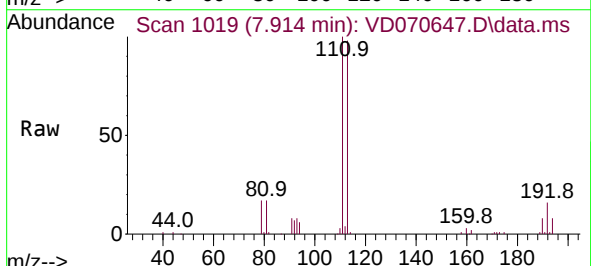
Tgt Ion:113 Resp: 247277

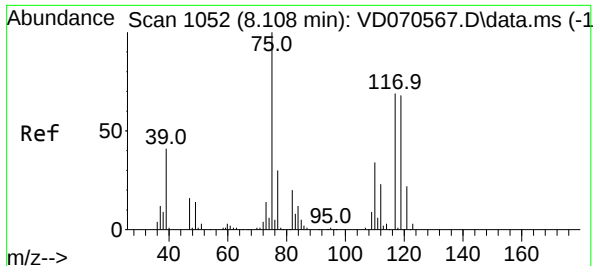
Ion Ratio Lower Upper

113 100

111 101.1 83.1 124.7

192 16.9 12.7 19.1

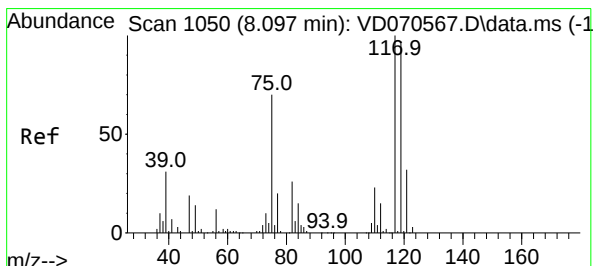
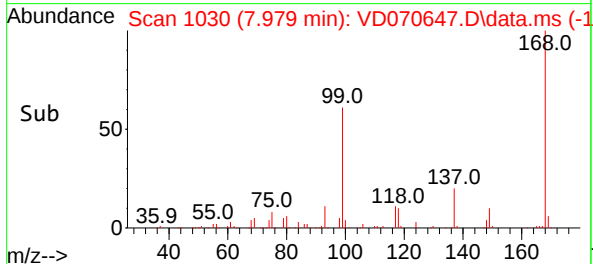
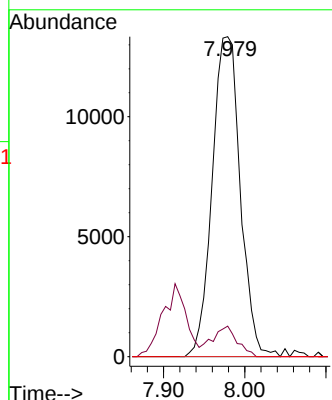
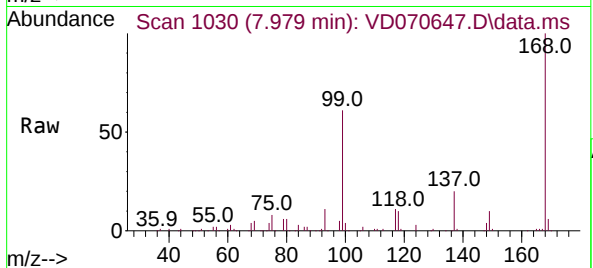




#36
1,1-Dichloropropene
Concen: 4.222 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

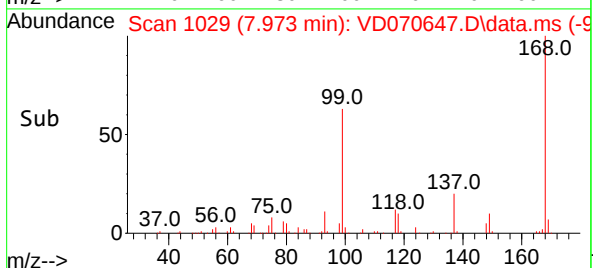
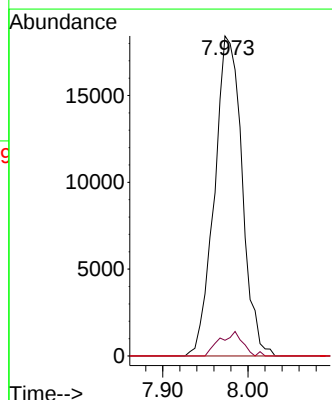
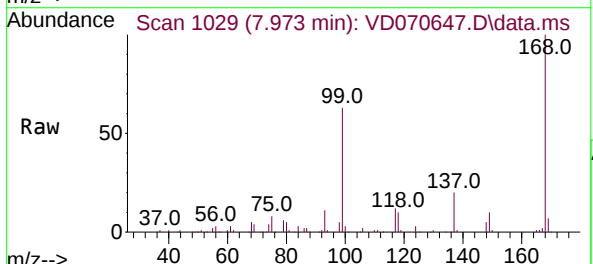
Instrument :
MSVOA_D
ClientSampled :

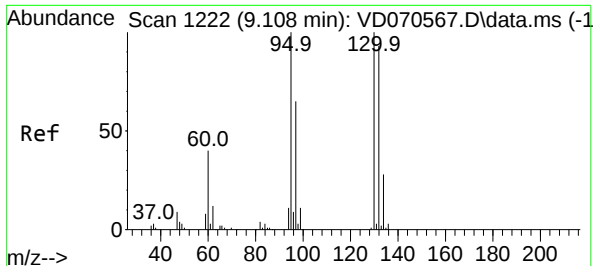
Tgt Ion: 75 Resp: 32087
Ion Ratio Lower Upper
75 100
110 8.6 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.207 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

Tgt Ion: 117 Resp: 41419
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.0#
121 0.0 25.4 38.0#

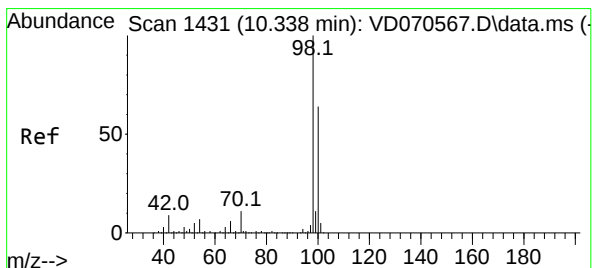
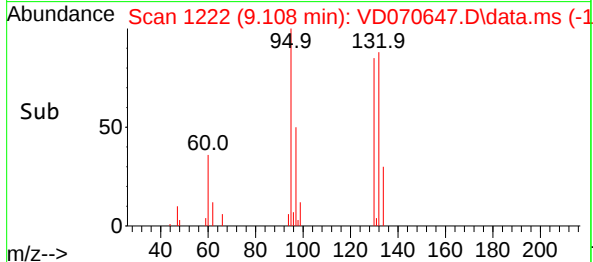
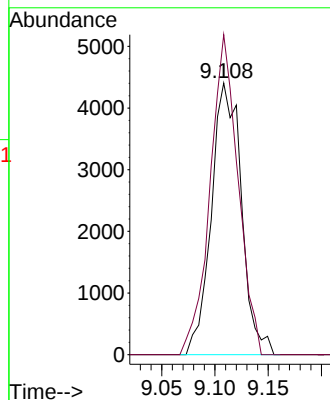
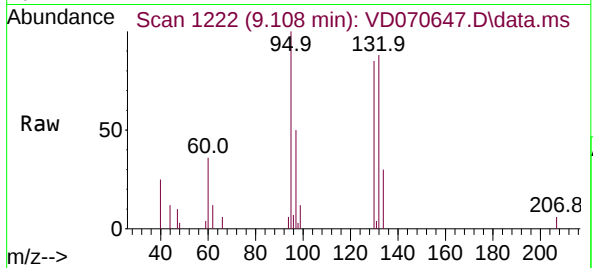




#44
Trichloroethene
Concen: 1.562 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

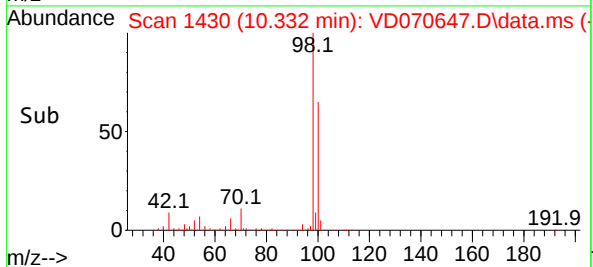
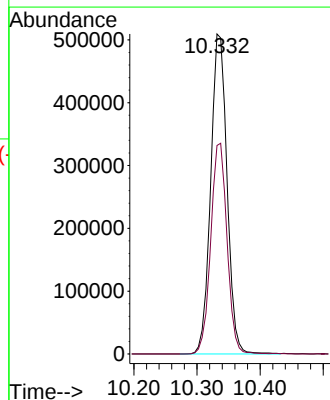
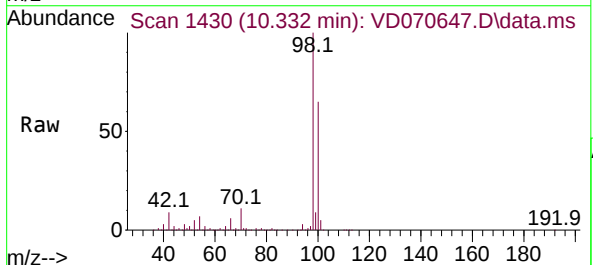
Instrument :
MSVOA_D
ClientSampled :

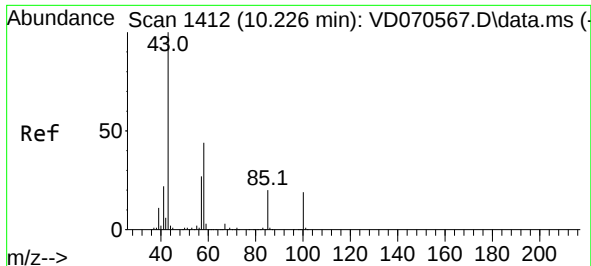
Tgt Ion:130 Resp: 8631
Ion Ratio Lower Upper
130 100
95 117.8 0.0 200.8



#50
Toluene-d8
Concen: 50.345 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

Tgt Ion: 98 Resp: 915727
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4

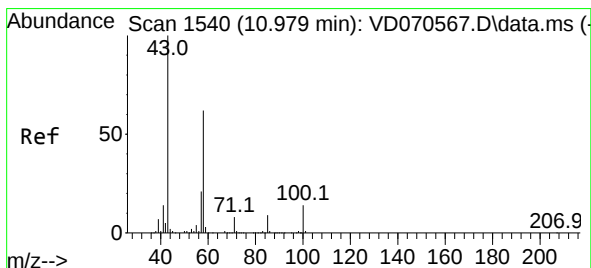
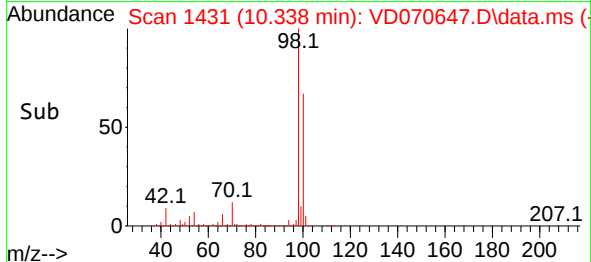
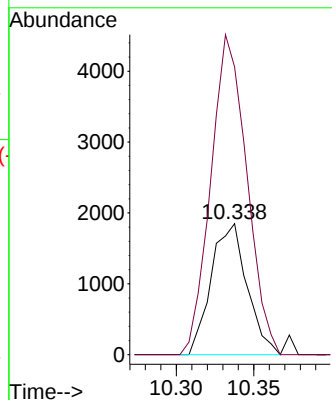
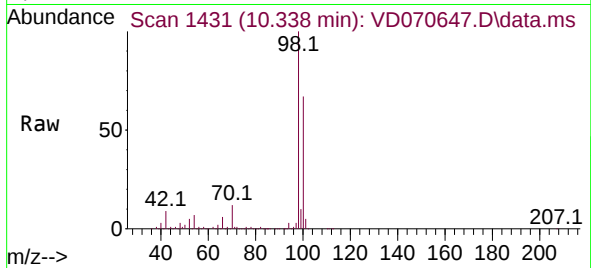




#51
4-Methyl-2-Pentanone
Concen: 1.248 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

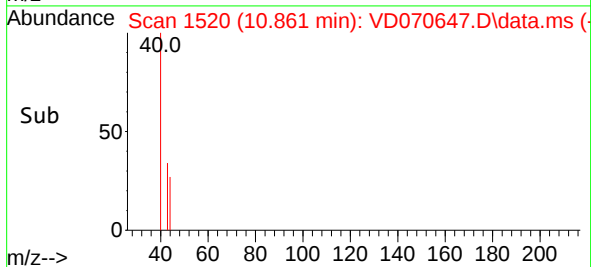
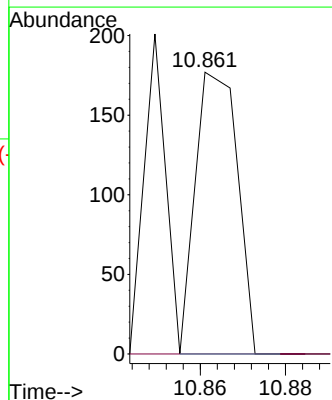
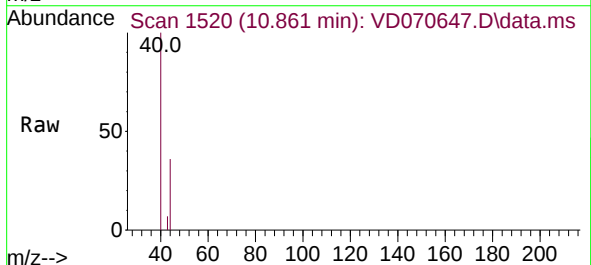
Instrument :
MSVOA_D
ClientSampled :

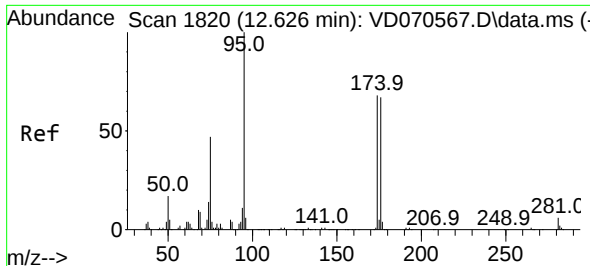
Tgt Ion: 43 Resp: 2980
Ion Ratio Lower Upper
43 100
58 245.0 35.0 52.6#



#59
2-Hexanone
Concen: Below Cal
RT: 10.861 min Scan# 1520
Delta R.T. -0.118 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

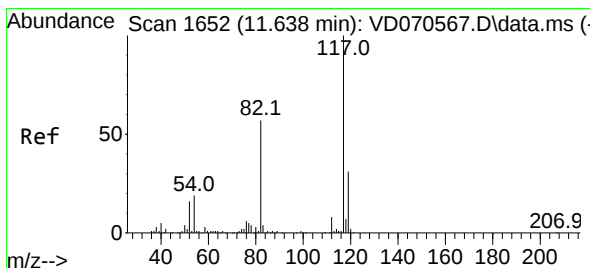
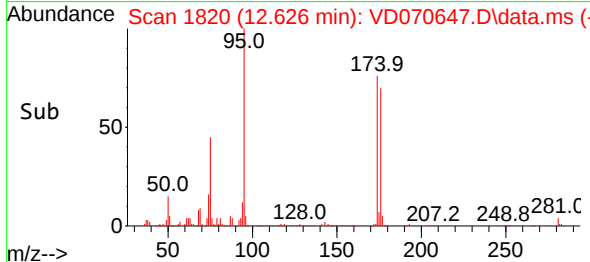
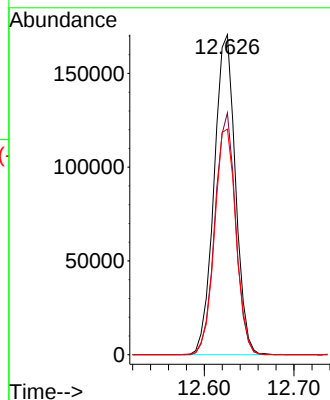
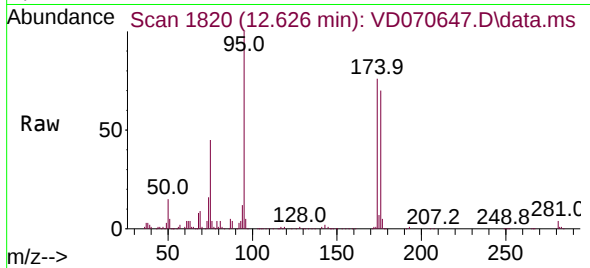




#62
4-Bromofluorobenzene
Concen: 46.368 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

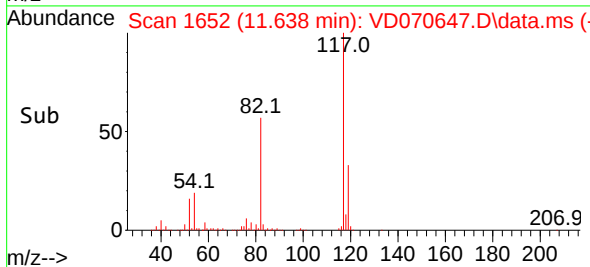
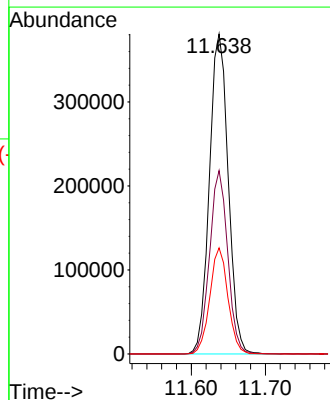
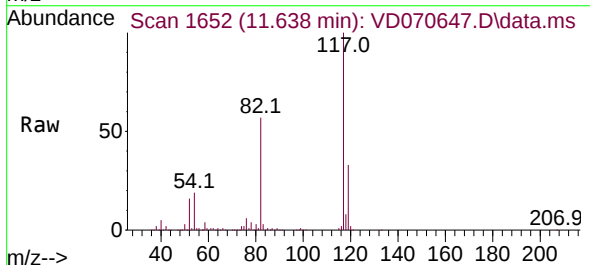
Instrument :
MSVOA_D
ClientSampleId :

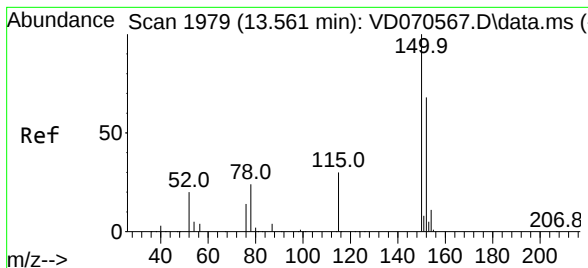
Tgt Ion: 95 Resp: 281882
Ion Ratio Lower Upper
95 100
174 73.0 0.0 138.0
176 70.9 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

Tgt Ion: 117 Resp: 671330
Ion Ratio Lower Upper
117 100
82 57.3 45.4 68.2
119 33.1 24.7 37.1

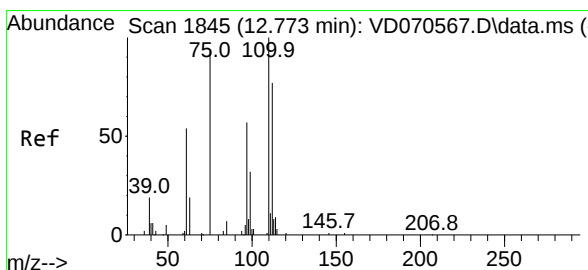
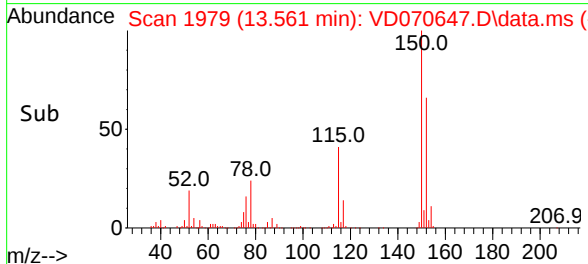
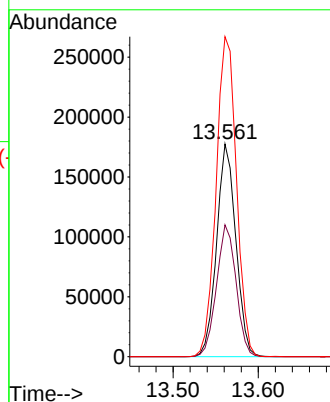
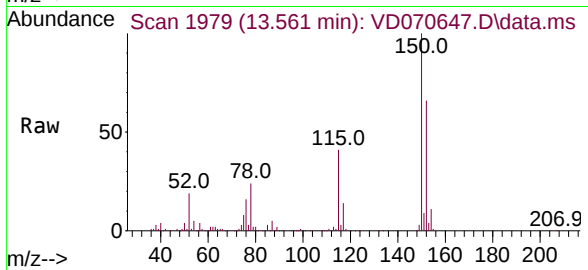




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

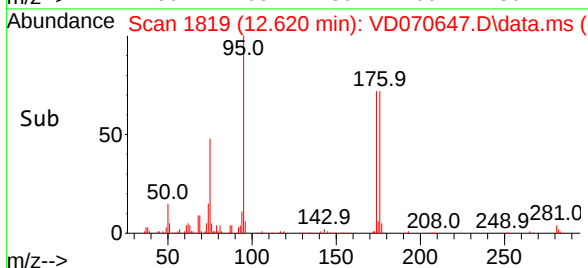
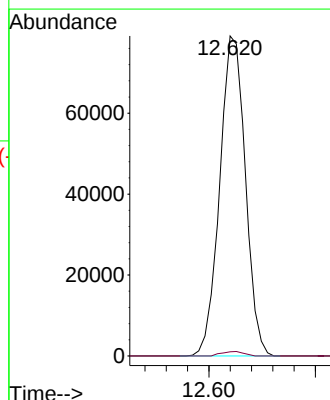
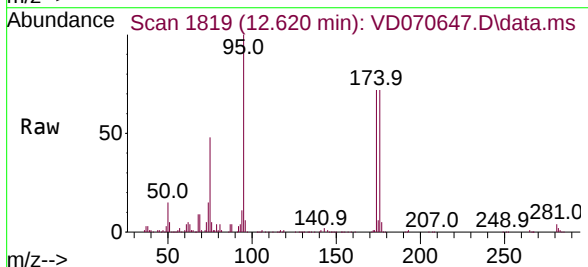
Instrument :
MSVOA_D
ClientSampleId :

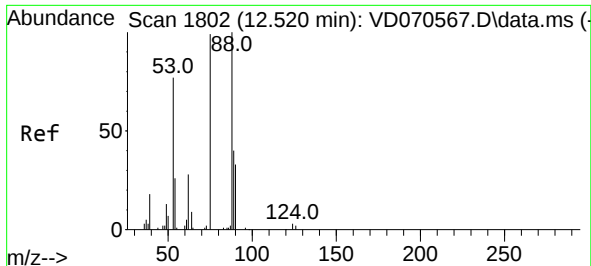
Tgt Ion:152 Resp: 278675
Ion Ratio Lower Upper
152 100
115 62.9 31.9 95.7
150 158.7 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 52.347 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

Tgt Ion: 75 Resp: 132036
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

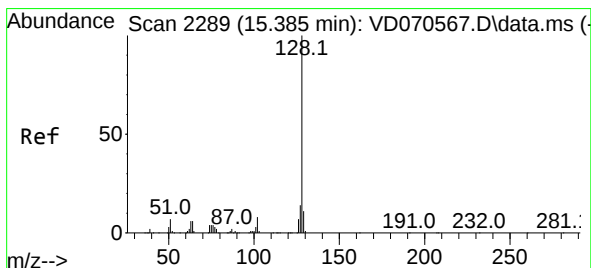
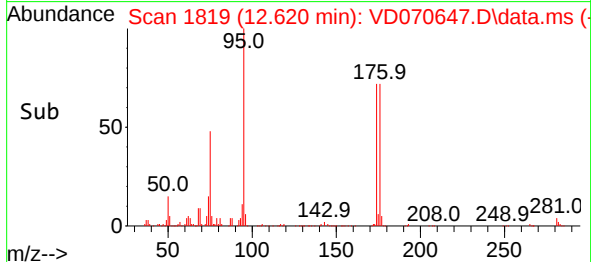
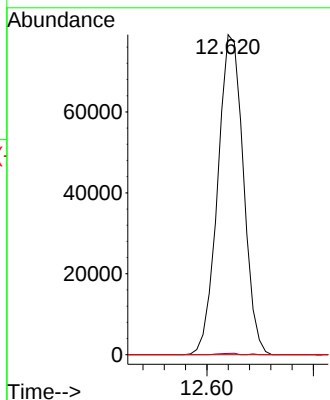
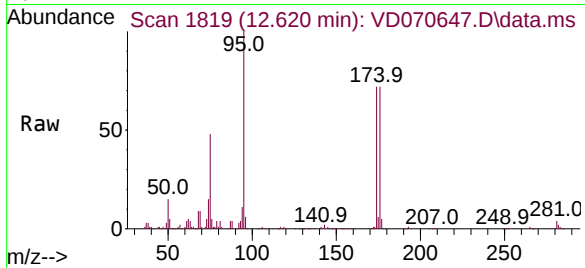




#81
trans-1,4-Dichloro-2-butene
Concen: 116.220 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 132036
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 2.496 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070647.D
Acq: 08 Oct 2021 19:09

Tgt Ion:128 Resp: 55
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

