

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070168.D
 Acq On : 19 Aug 2021 15:20
 Operator : VA/SY
 Sample : M3476-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

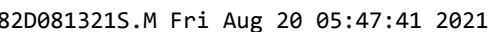
Quant Time: Aug 20 05:47:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

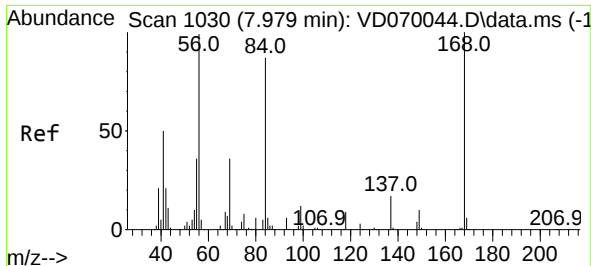
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	532992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1040718	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1007708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	429429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	335414	53.505	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.020%	
35) Dibromofluoromethane	7.914	113	348342	51.808	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.620%	
50) Toluene-d8	10.338	98	1345637	51.455	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.920%	
62) 4-Bromofluorobenzene	12.626	95	429394	49.850	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.700%	
Target Compounds						
2) Dichlorodifluoromethane	1.985	85	479	Below Cal	#	42
3) Chloromethane	2.215	50	1431	Below Cal	#	70
5) Bromomethane	2.785	94	1680	Below Cal	#	65
16) Acetone	4.168	43	3337	2.890	ug/l #	66
20) Methylene Chloride	4.962	84	39046	Below Cal		95
36) 1,1-Dichloropropene	7.979	75	48313	4.315	ug/l #	49
38) Carbon Tetrachloride	7.973	117	58301	5.736	ug/l #	15
51) 4-Methyl-2-Pentanone	10.338	43	5601	1.419	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	209177	48.031	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	209177	124.672	ug/l #	18

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

Quant Time: Aug 20 05:47:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration

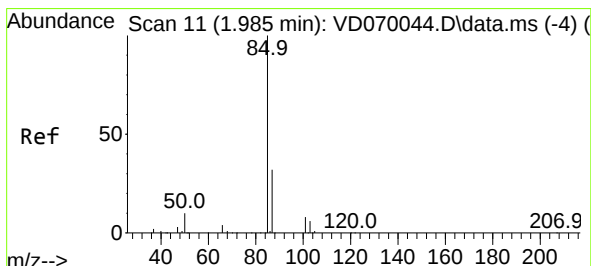
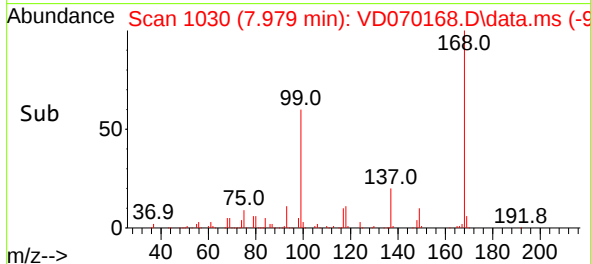
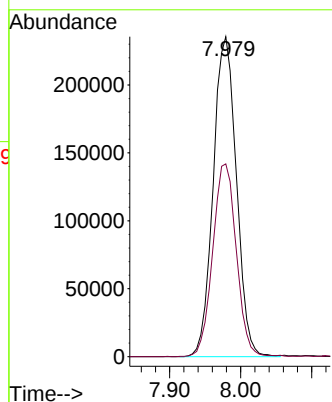
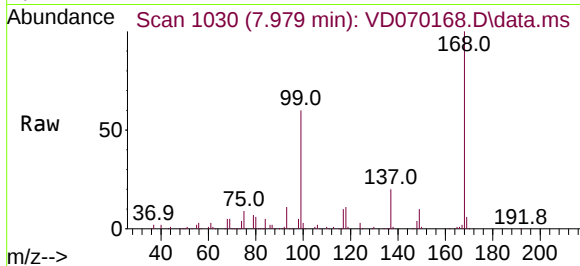




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

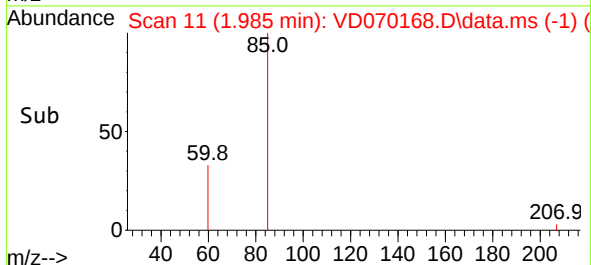
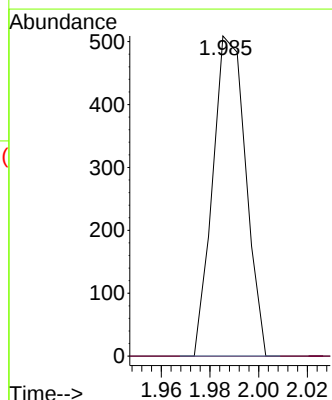
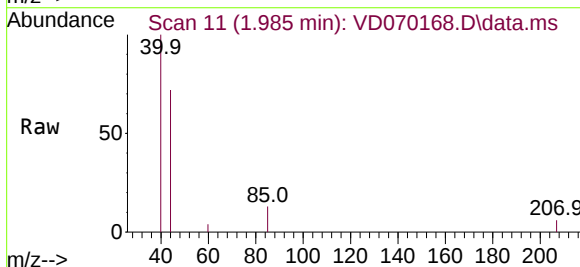
Instrument :
MSVOA_D
ClientSampled :

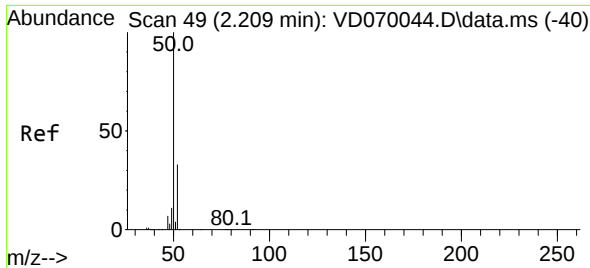
Tgt Ion:168 Resp: 532992
Ion Ratio Lower Upper
168 100
99 60.2 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

Tgt Ion: 85 Resp: 479
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

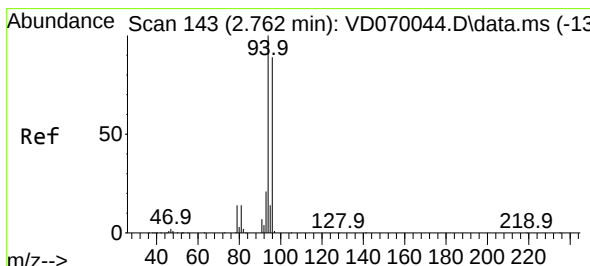
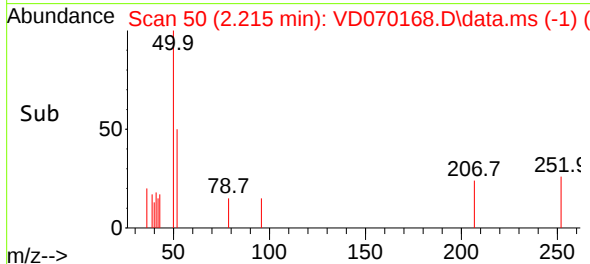
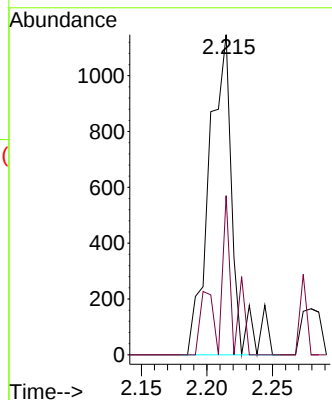
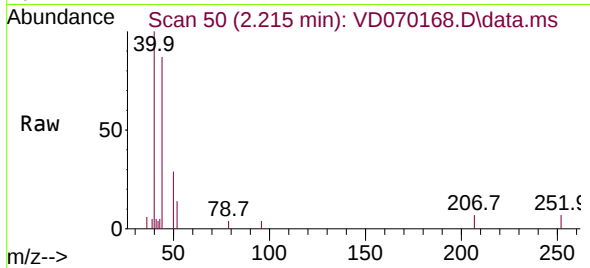




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

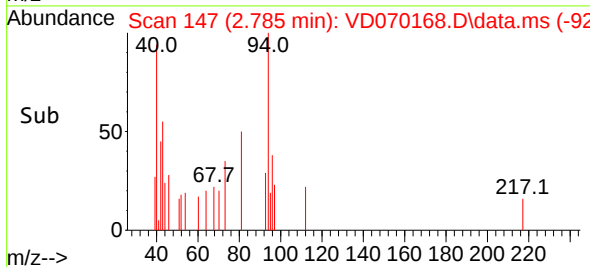
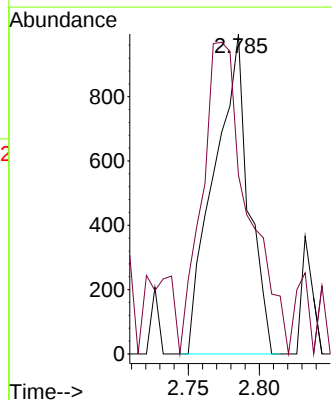
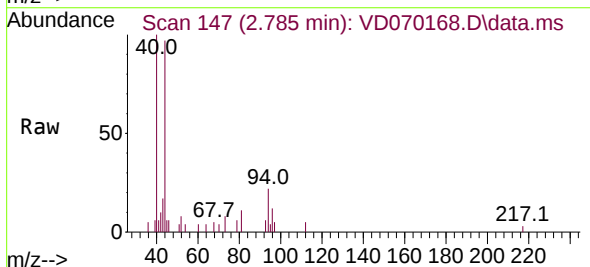
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 50 Resp: 1431
Ion Ratio Lower Upper
50 100
52 49.7 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

Tgt Ion: 94 Resp: 1680
Ion Ratio Lower Upper
94 100
96 55.9 70.9 106.3#

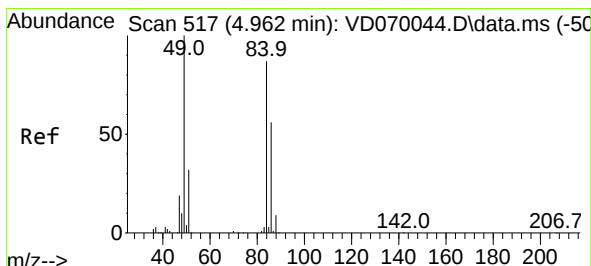
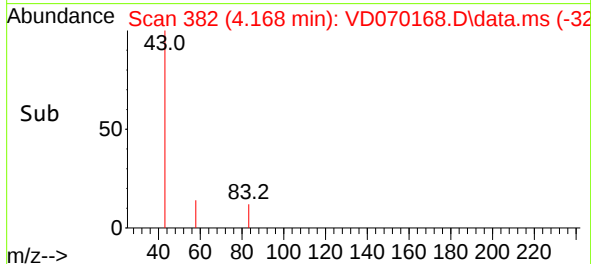
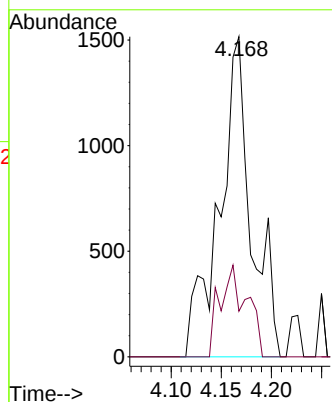
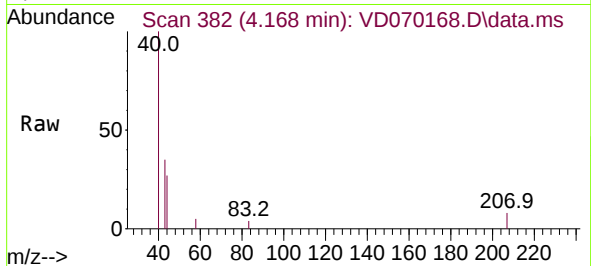




#16
Acetone
Concen: 2.890 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

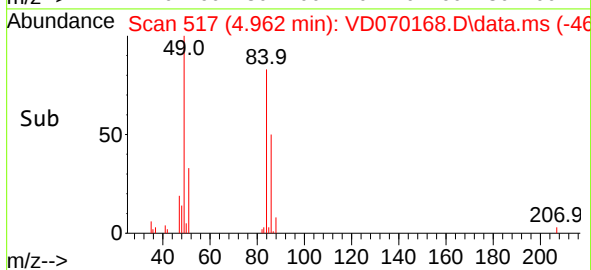
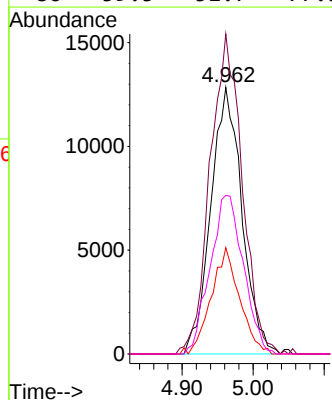
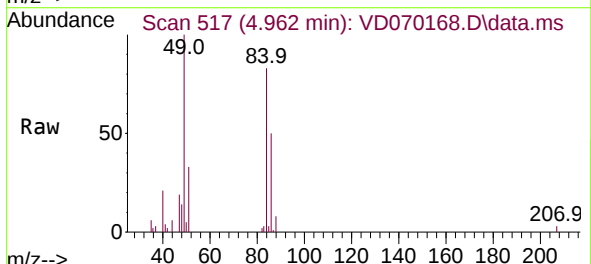
Instrument :
MSVOA_D
ClientSampled :

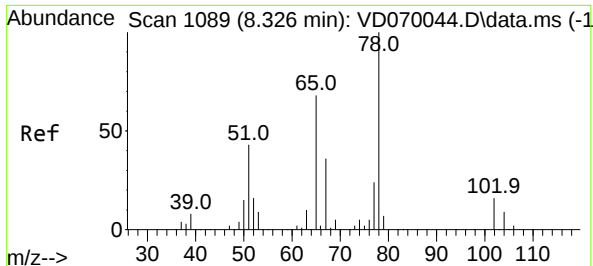
Tgt Ion: 43 Resp: 3337
Ion Ratio Lower Upper
43 100
58 14.2 26.8 40.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

Tgt Ion: 84 Resp: 39046
Ion Ratio Lower Upper
84 100
49 120.0 92.5 138.7
51 39.9 29.7 44.5
86 59.5 51.7 77.5





#33

1,2-Dichloroethane-d4

Concen: 53.505 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070168.D

Acq: 19 Aug 2021 15:20

Tgt Ion: 65 Resp: 335414

Ion Ratio Lower Upper

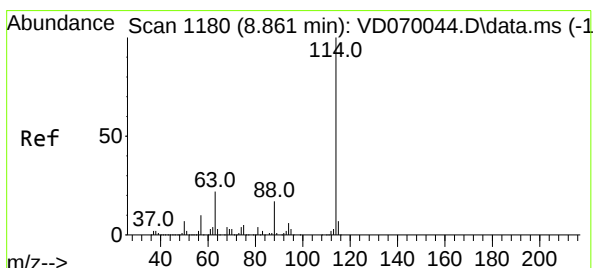
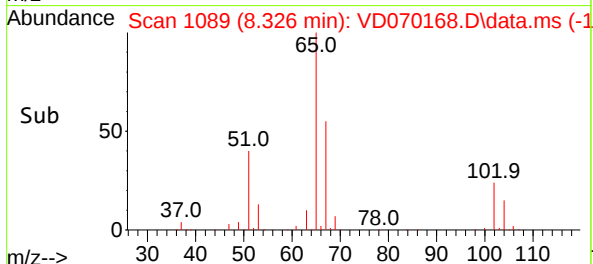
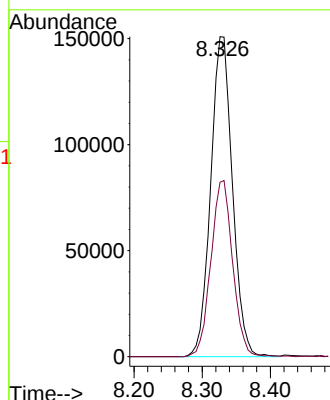
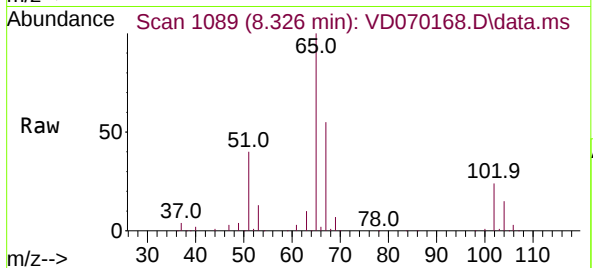
65 100

67 55.1 0.0 107.8

Instrument :

MSVOA_D

ClientSampleId :



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070168.D

Acq: 19 Aug 2021 15:20

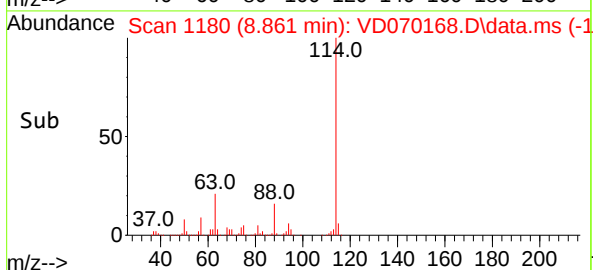
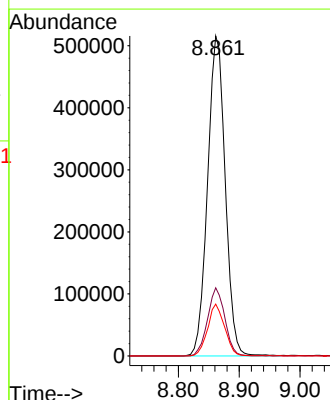
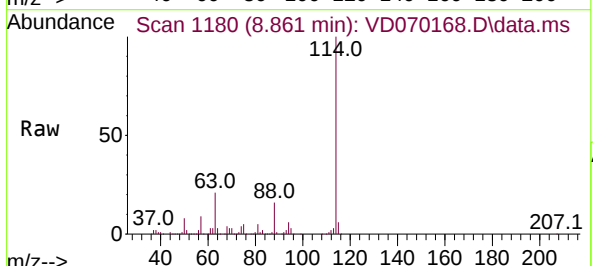
Tgt Ion:114 Resp: 1040718

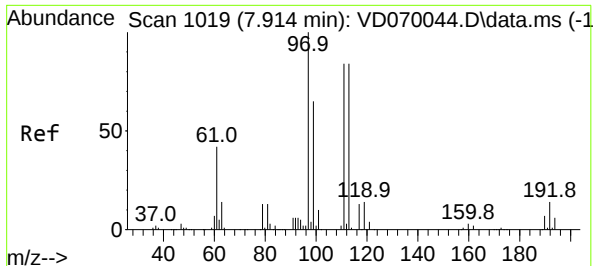
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.6

88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.808 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070168.D

Acq: 19 Aug 2021 15:20

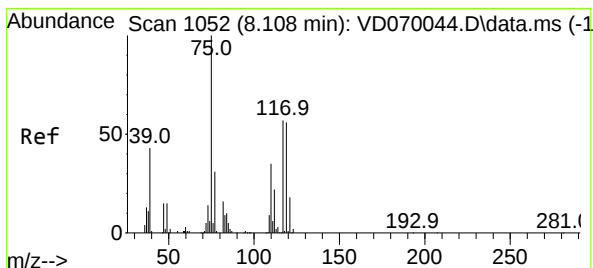
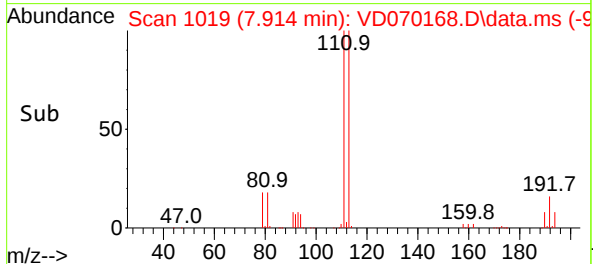
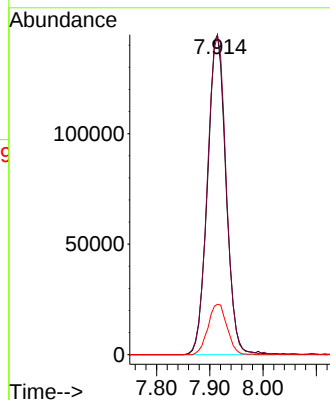
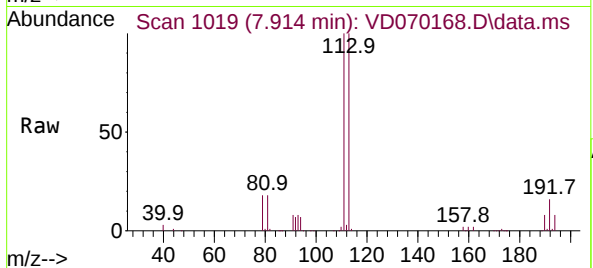
Tgt Ion:113 Resp: 348342

Ion Ratio Lower Upper

113 100

111 101.0 81.8 122.6

192 16.2 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.315 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070168.D

Acq: 19 Aug 2021 15:20

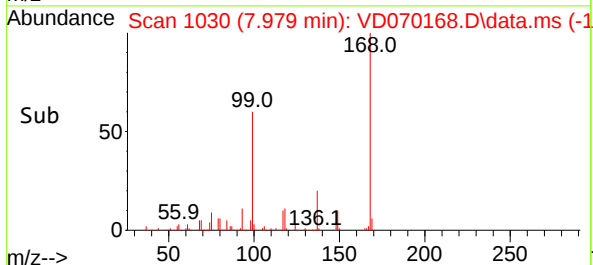
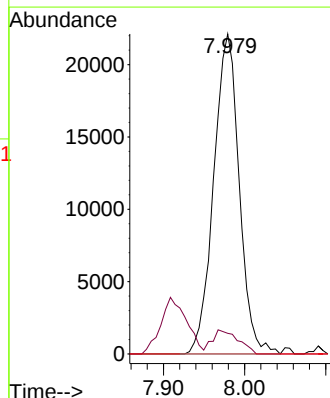
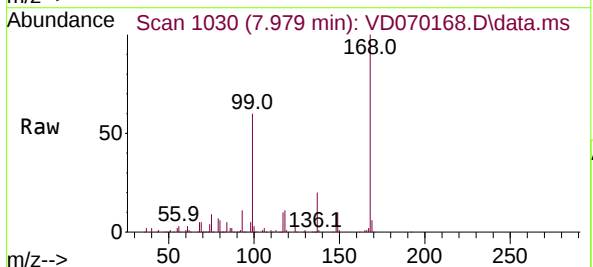
Tgt Ion: 75 Resp: 48313

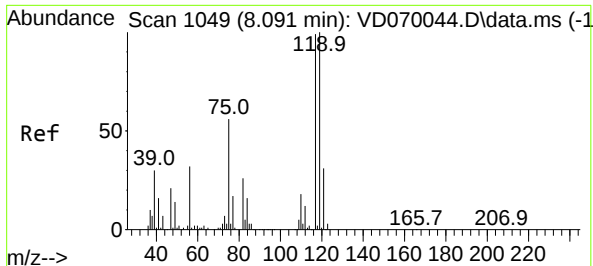
Ion Ratio Lower Upper

75 100

110 7.6 16.9 50.7#

77 0.0 25.2 37.8#

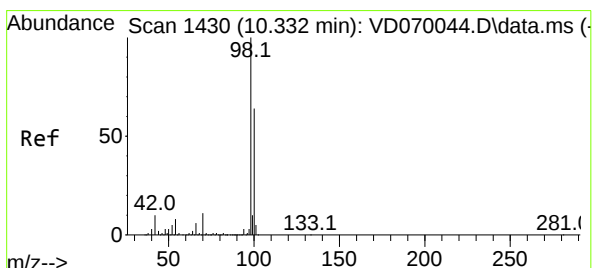
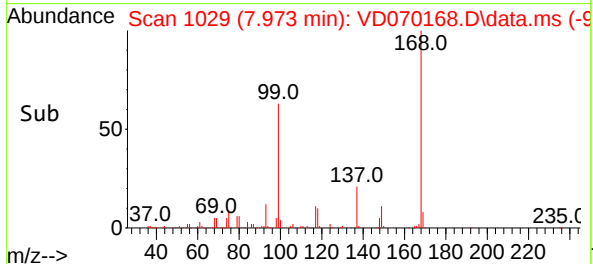
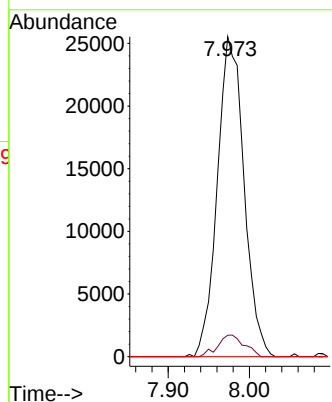
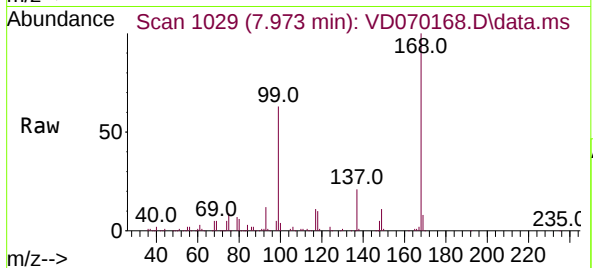




#38
Carbon Tetrachloride
Concen: 5.736 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

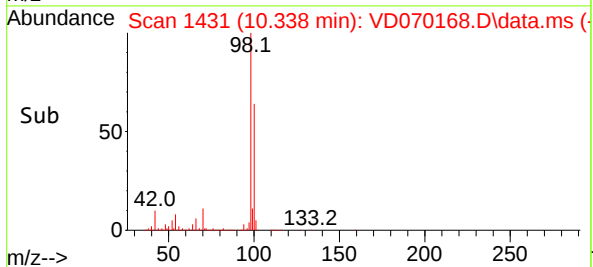
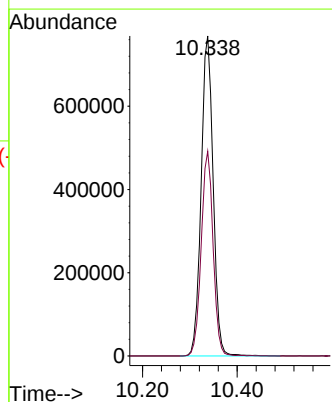
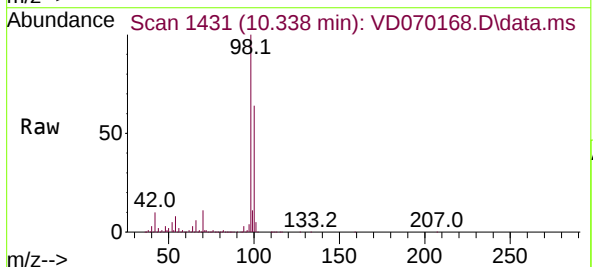
Instrument :
MSVOA_D
ClientSampleId :

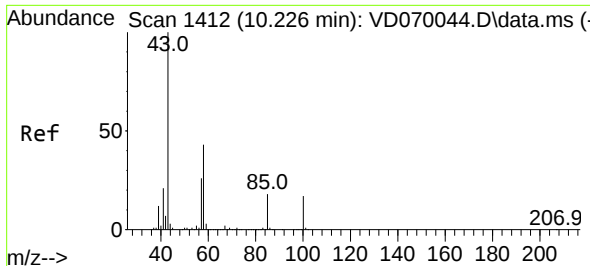
Tgt Ion:117 Resp: 58301
Ion Ratio Lower Upper
117 100
119 6.7 81.0 121.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.455 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

Tgt Ion: 98 Resp: 1345637
Ion Ratio Lower Upper
98 100
100 63.5 52.6 78.8

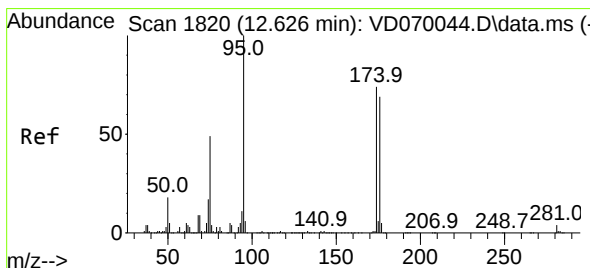
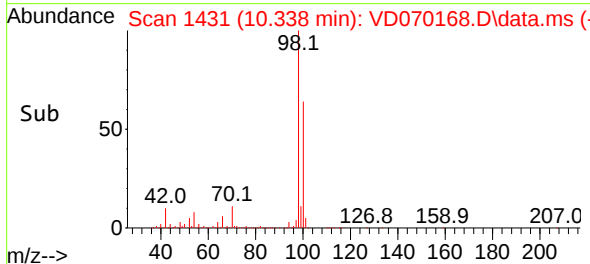
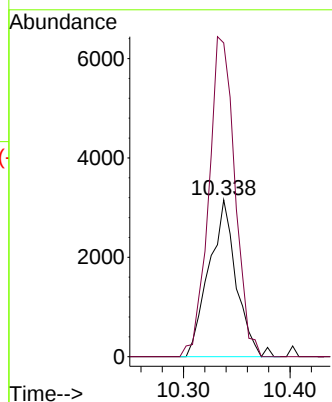
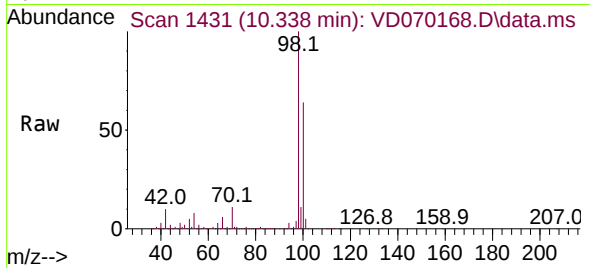




#51
4-Methyl-2-Pentanone
Concen: 1.419 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

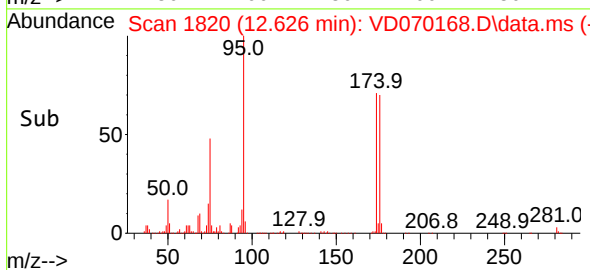
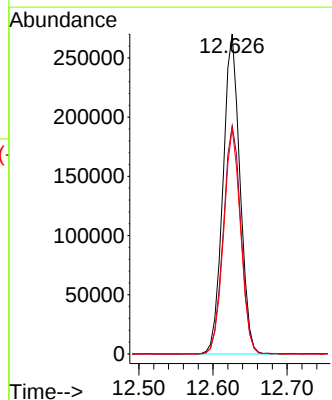
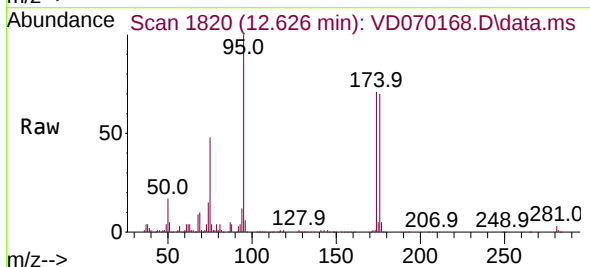
Instrument :
MSVOA_D
ClientSampled :

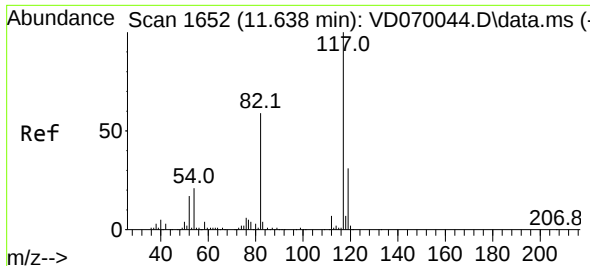
Tgt Ion: 43 Resp: 5601
Ion Ratio Lower Upper
43 100
58 196.1 33.9 50.9#



#62
4-Bromofluorobenzene
Concen: 49.850 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

Tgt Ion: 95 Resp: 429394
Ion Ratio Lower Upper
95 100
174 73.7 0.0 141.6
176 70.4 0.0 138.2

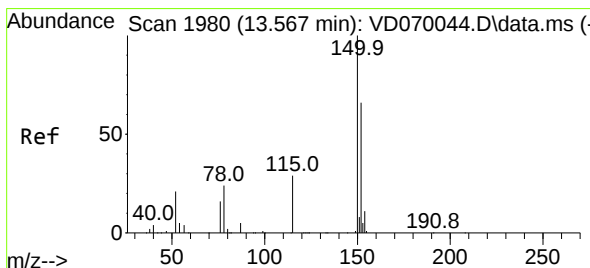
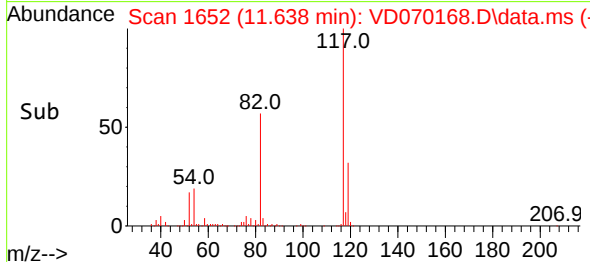
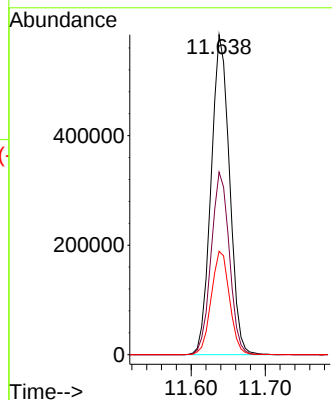
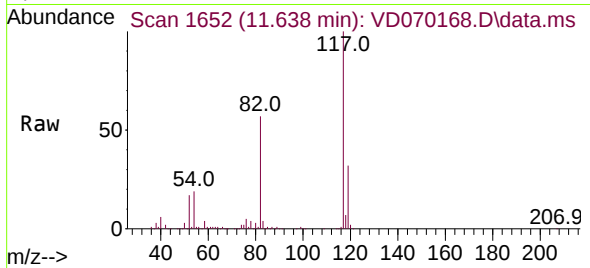




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

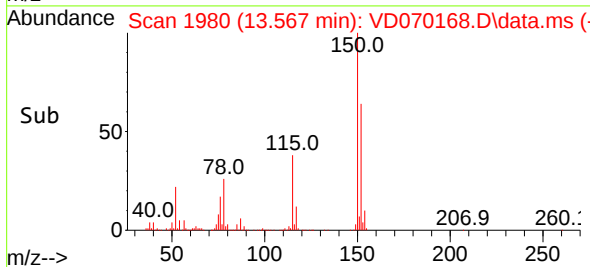
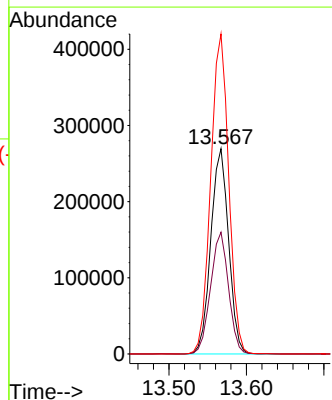
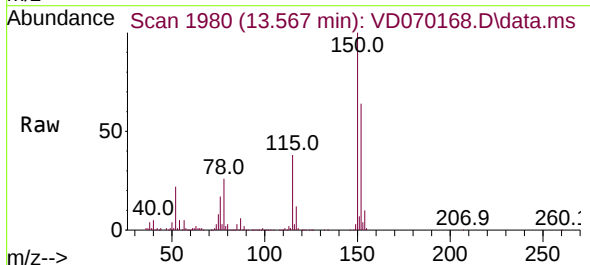
Instrument :
MSVOA_D
ClientSampleId :

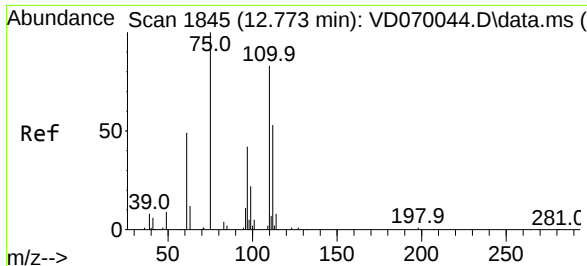
Tgt Ion:117 Resp: 1007708
Ion Ratio Lower Upper
117 100
82 57.1 47.5 71.3
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

Tgt Ion:152 Resp: 429429
Ion Ratio Lower Upper
152 100
115 59.8 31.2 93.6
150 157.6 0.0 352.0

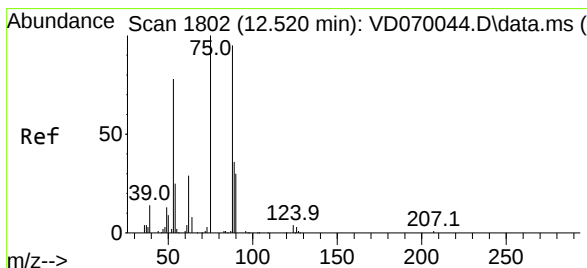
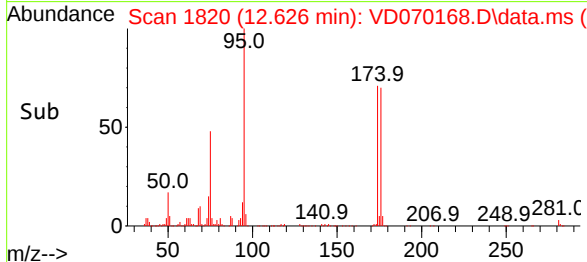
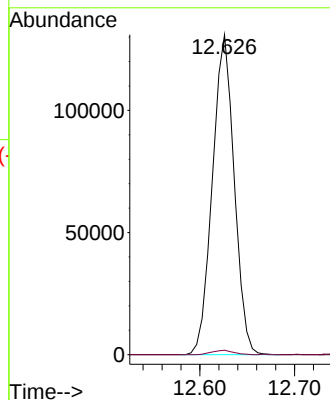
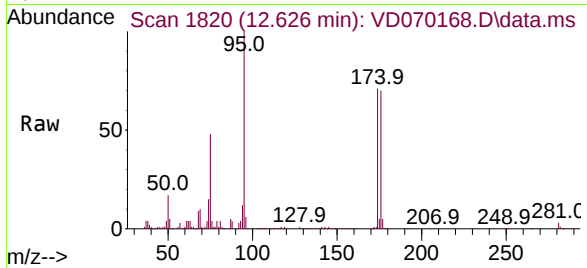




#76
1,2,3-Trichloropropane
Concen: 48.031 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 209177
Ion Ratio Lower Upper
75 100
77 1.4 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.672 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070168.D
Acq: 19 Aug 2021 15:20

Tgt Ion: 75 Resp: 209177
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.0 33.7 50.5#

