

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD113021\
 Data File : VD071090.D
 Acq On : 30 Nov 2021 18:32
 Operator : VA/SY
 Sample : M4867-03
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW9-GW-898-900

Quant Time: Dec 01 03:34:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

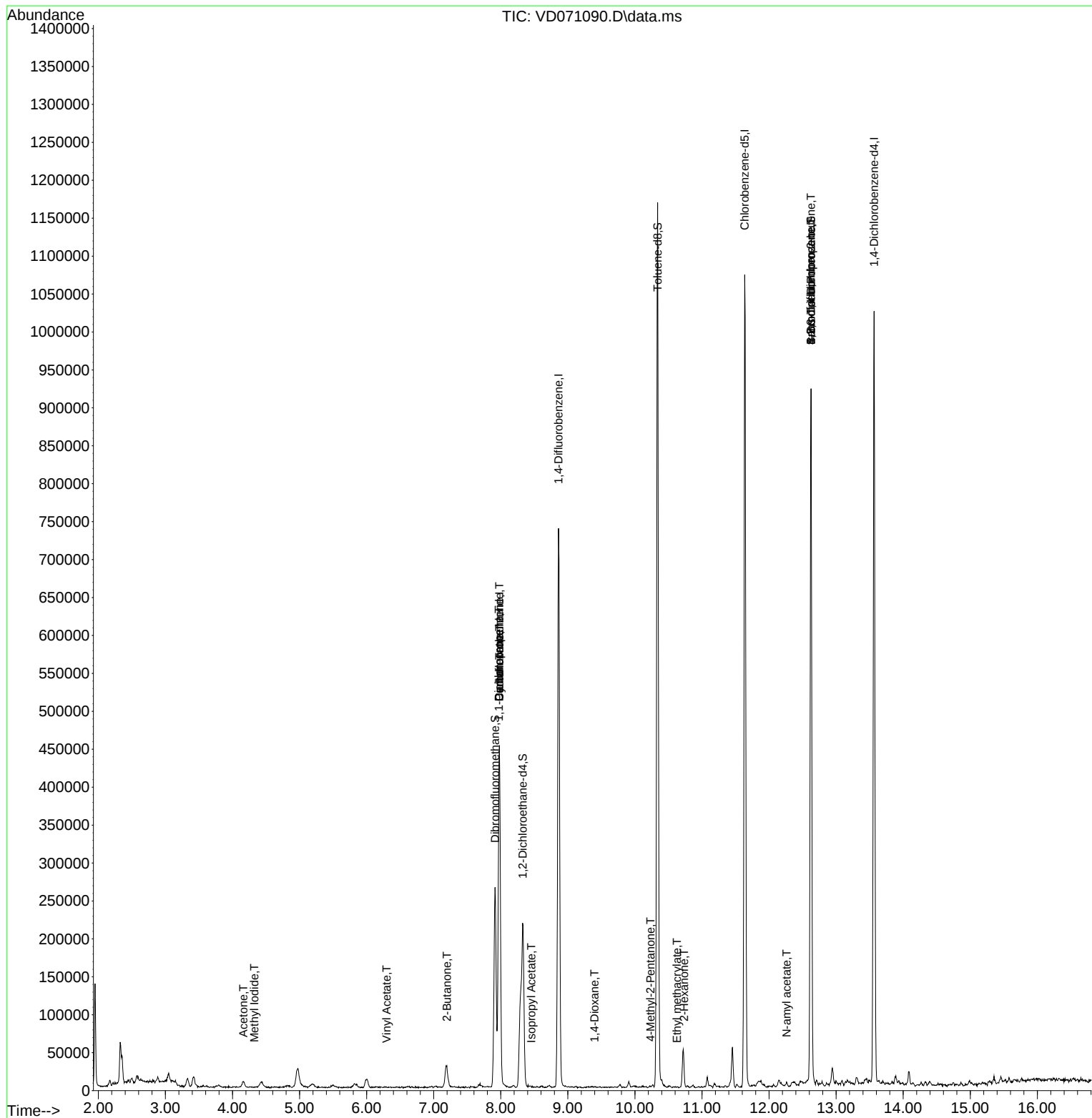
Internal Standards						
1) Pentafluorobenzene	7.979	168	319341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	594760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	572668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	250217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	160643	42.871	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.740%		
35) Dibromofluoromethane	7.914	113	178761	47.199	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.400%		
50) Toluene-d8	10.338	98	754353	52.339	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.680%		
62) 4-Bromofluorobenzene	12.626	95	264825	53.007	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.020%		
Target Compounds						Qvalue
10) Methyl Iodide	4.326	142	69	4.577	ug/l #	40
11) Tert butyl alcohol	5.191	59	4936	Below Cal	#	71
16) Acetone	4.161	43	12949	42.207	ug/l	97
23) Vinyl Acetate	6.297	43	94	27.232	ug/l #	72
25) 2-Butanone	7.197	43	2191	30.049	ug/l #	71
31) Cyclohexane	7.979	56	9930	1.558	ug/l #	42
36) 1,1-Dichloropropene	7.973	75	29228	5.258	ug/l #	50
38) Carbon Tetrachloride	7.979	117	35000	6.387	ug/l #	17
41) Methacrylonitrile	7.561	41	232	Below Cal	#	34
43) Isopropyl Acetate	8.455	43	258	5.267	ug/l #	47
49) 1,4-Dioxane	9.396	88	56	2.816	ug/l #	1
51) 4-Methyl-2-Pentanone	10.232	43	1227	31.049	ug/l #	86
56) Ethyl methacrylate	10.626	69	54	5.983	ug/l #	1
59) 2-Hexanone	10.732	43	138	34.632	ug/l	99
71) Bromoform	12.626	173	2339	1.164	ug/l #	1
74) N-amyl acetate	12.261	43	1947	6.049	ug/l #	56
76) 1,2,3-Trichloropropane	12.626	75	144810	60.743	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	144810	131.443	ug/l #	18

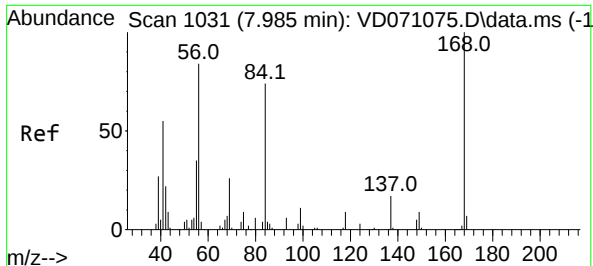
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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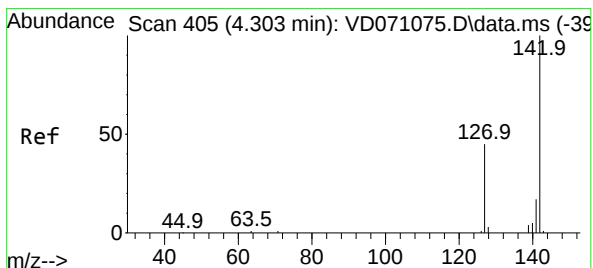
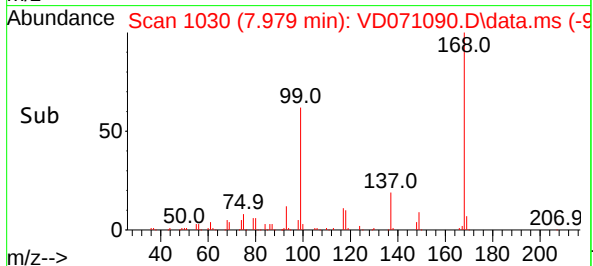
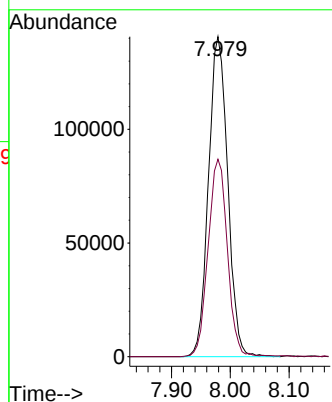
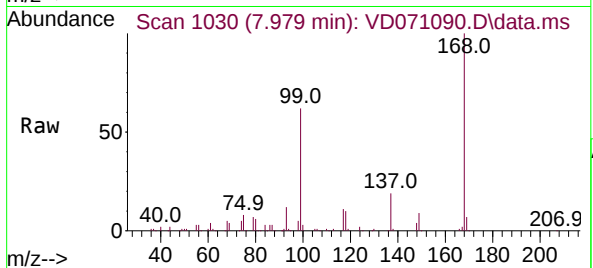




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

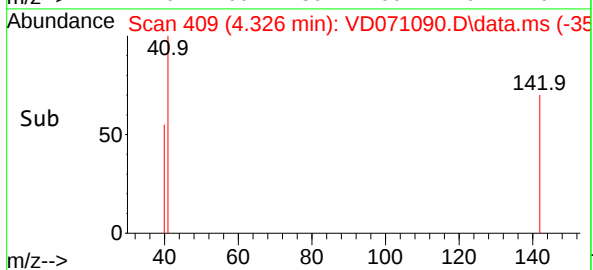
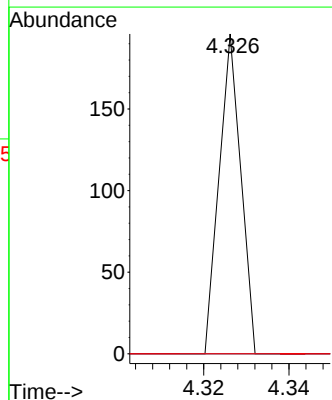
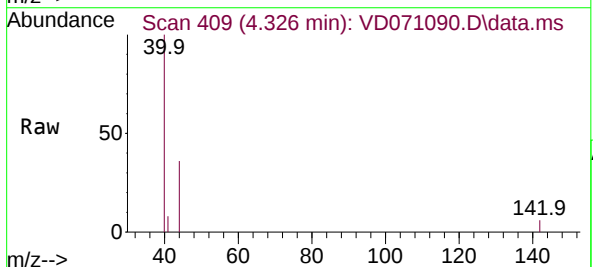
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-898-900

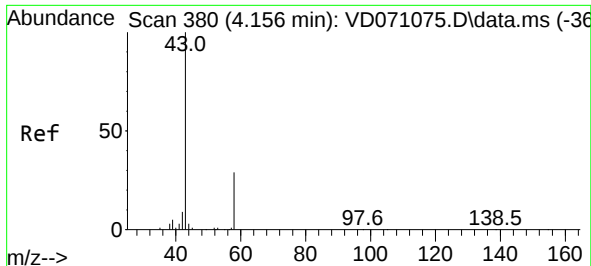
Tgt Ion:168 Resp: 319341
Ion Ratio Lower Upper
168 100
99 61.7 46.6 69.8



#10
Methyl Iodide
Concen: 4.577 ug/l
RT: 4.326 min Scan# 409
Delta R.T. 0.023 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

Tgt Ion:142 Resp: 69
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

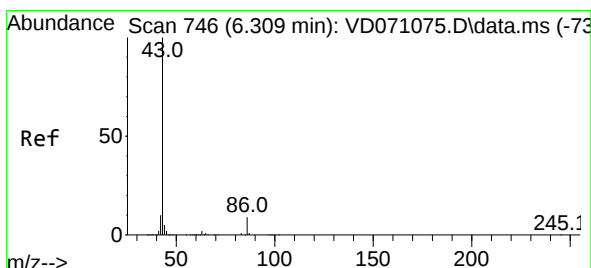
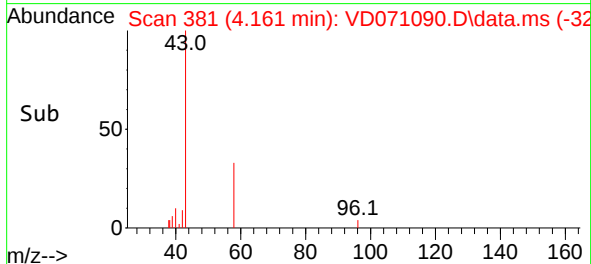
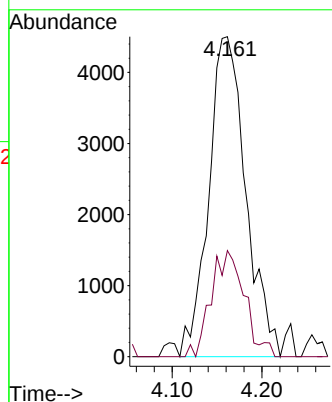
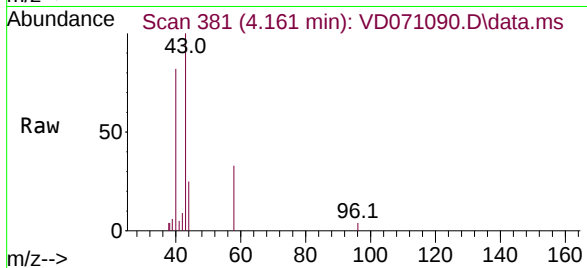




#16
Acetone
Concen: 42.207 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

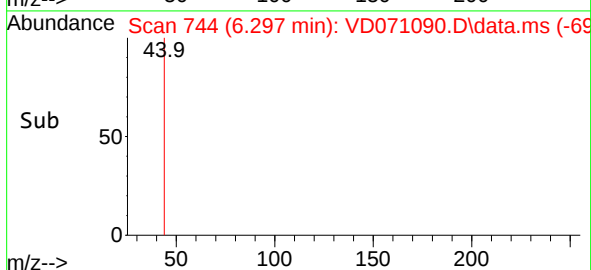
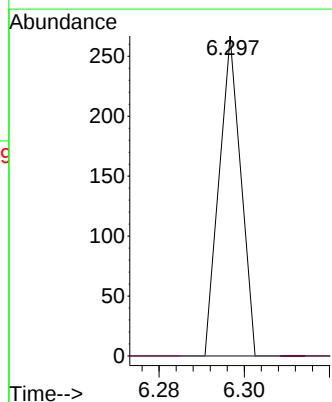
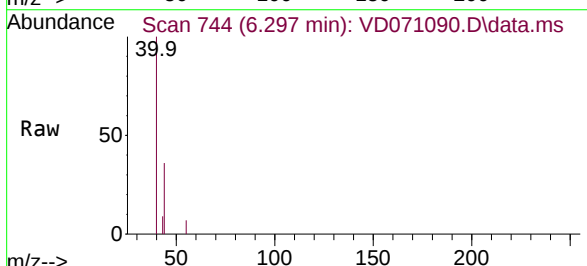
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-898-900

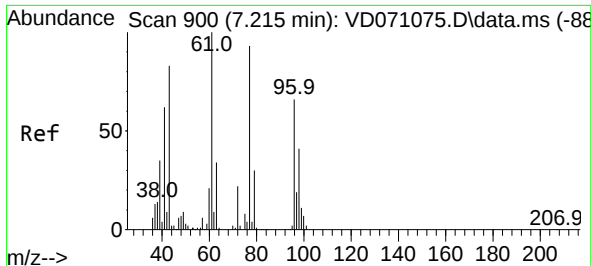
Tgt Ion: 43 Resp: 12949
Ion Ratio Lower Upper
43 100
58 33.2 27.8 41.8



#23
Vinyl Acetate
Concen: 27.232 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

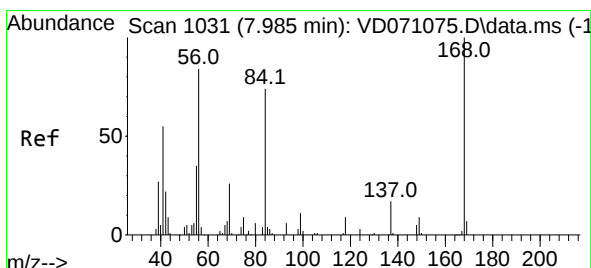
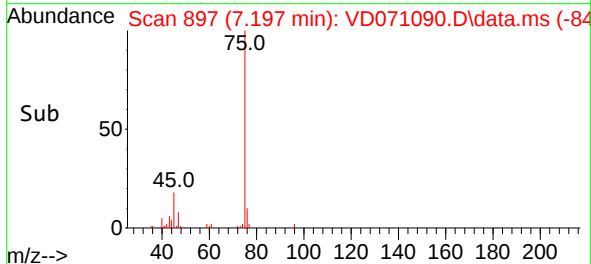
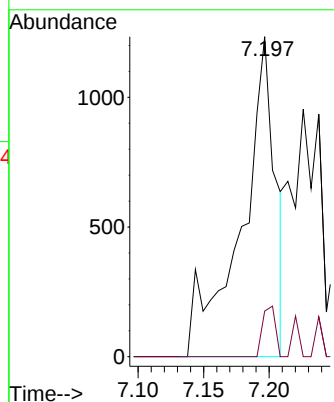
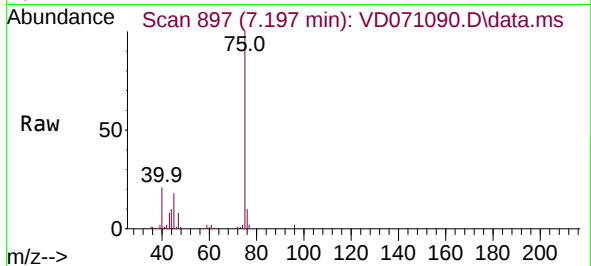




#25
2-Butanone
Concen: 30.049 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

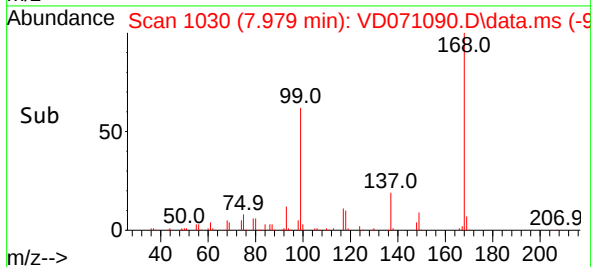
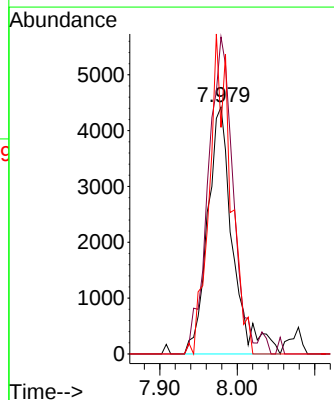
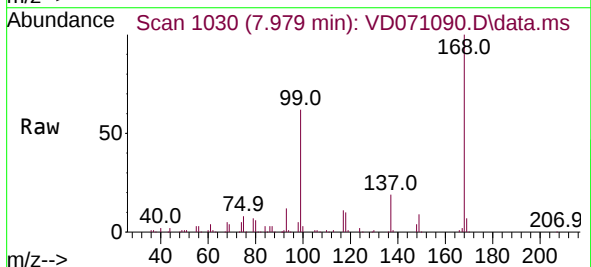
Instrument : MSVOA_D
ClientSampleId : BP-VPB-RW9-GW-898-900

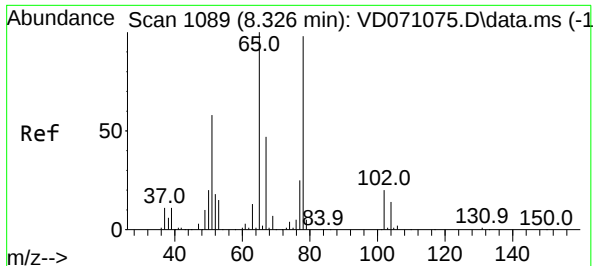
Tgt Ion: 43 Resp: 2191
Ion Ratio Lower Upper
43 100
72 14.3 23.8 35.6#



#31
Cyclohexane
Concen: 1.558 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

Tgt Ion: 56 Resp: 9930
Ion Ratio Lower Upper
56 100
69 128.4 25.9 38.9#
84 91.7 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 42.871 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD071090.D

Acq: 30 Nov 2021 18:32

Instrument :

MSVOA_D

ClientSampleId :

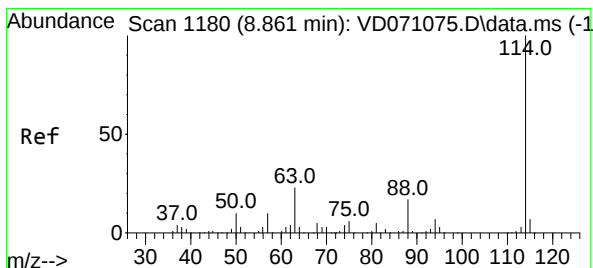
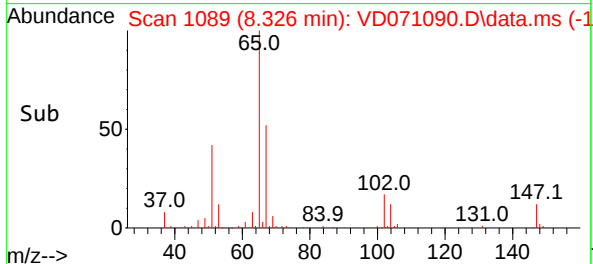
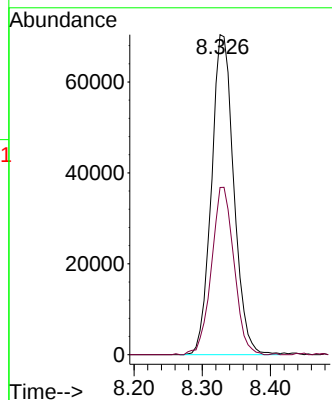
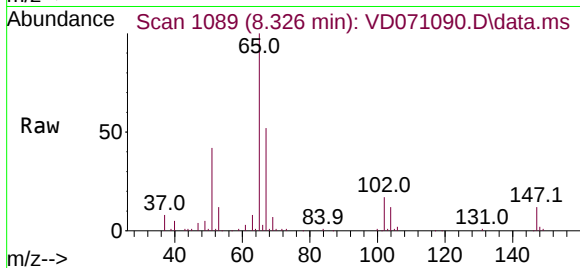
BP-VPB-RW9-GW-898-900

Tgt Ion: 65 Resp: 160643

Ion Ratio Lower Upper

65 100

67 52.7 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071090.D

Acq: 30 Nov 2021 18:32

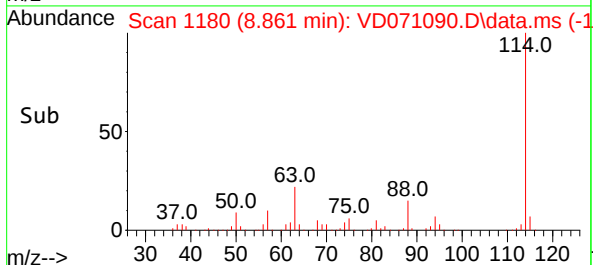
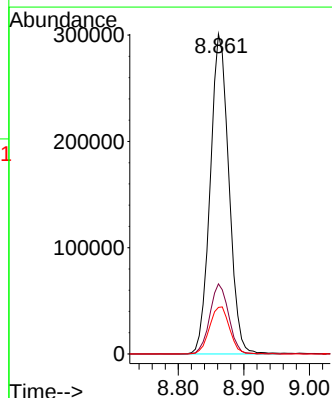
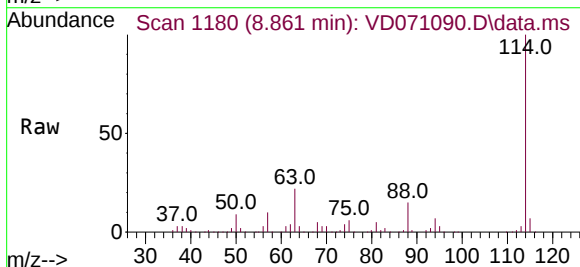
Tgt Ion: 114 Resp: 594760

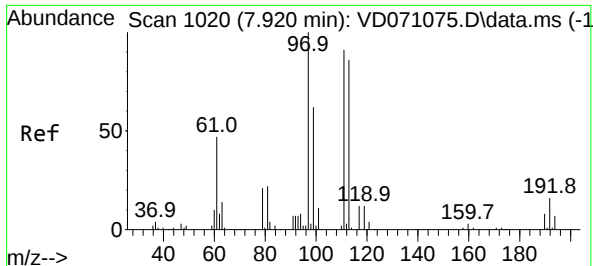
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 14.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.199 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071090.D

Acq: 30 Nov 2021 18:32

Instrument :

MSVOA_D

ClientSampleId :

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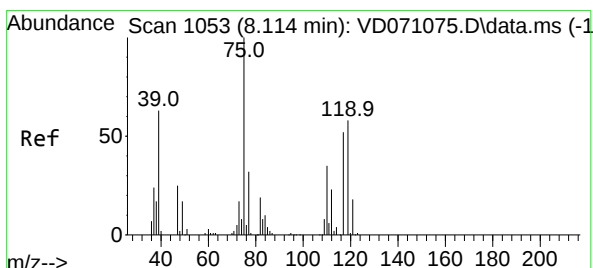
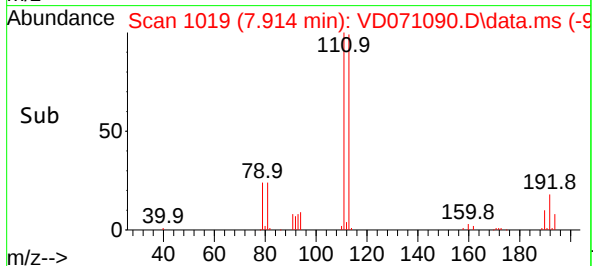
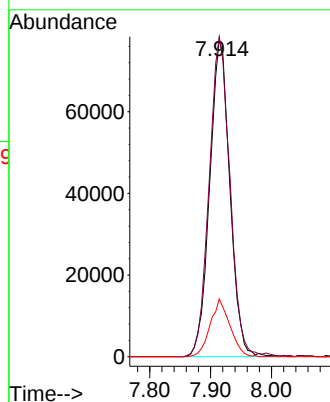
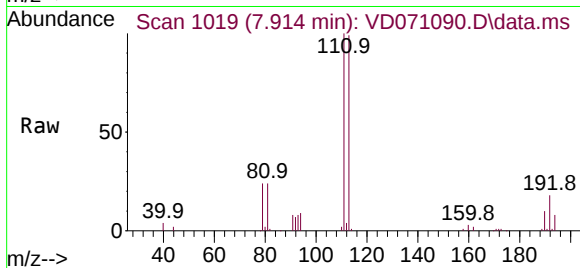
Tgt Ion:113 Resp: 178761

Ion Ratio Lower Upper

113 100

111 103.7 82.0 123.0

192 17.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.258 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071090.D

Acq: 30 Nov 2021 18:32

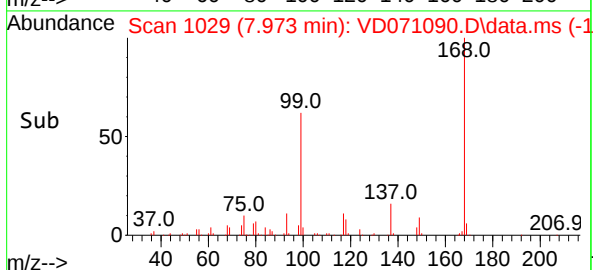
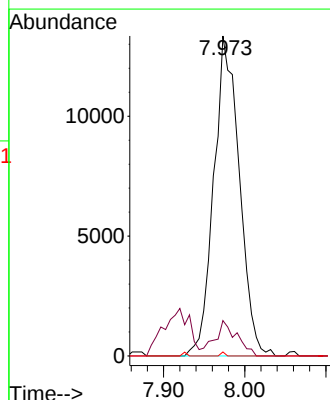
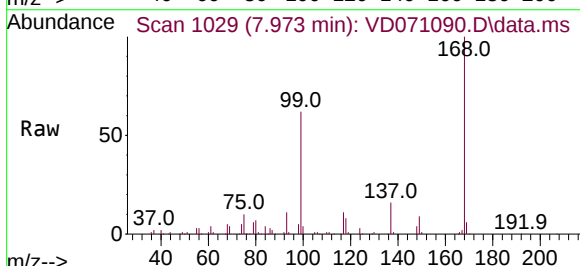
Tgt Ion: 75 Resp: 29228

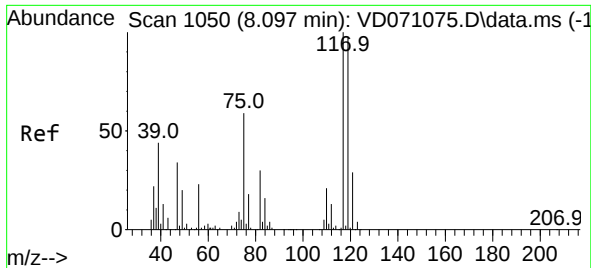
Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.4#

77 0.2 24.8 37.2#

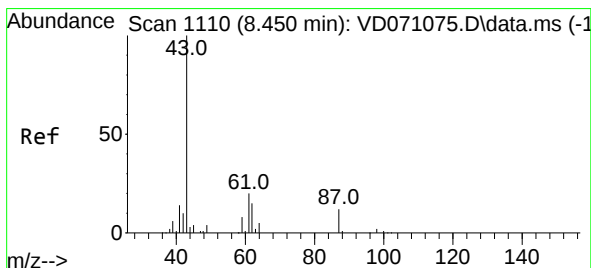
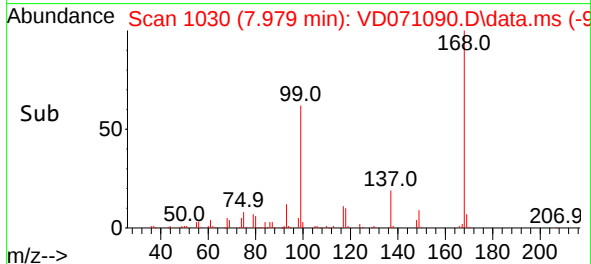
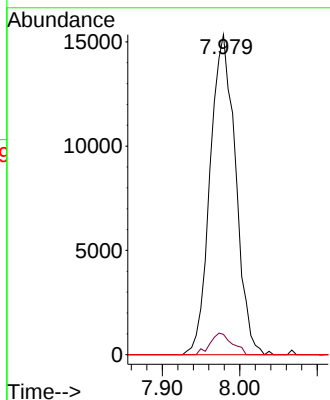
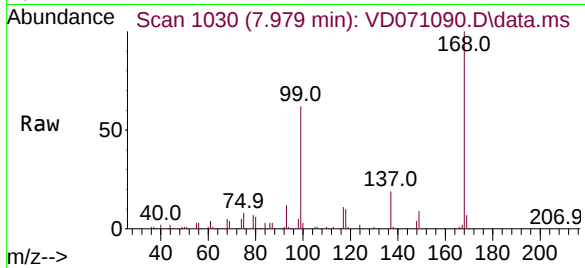




#38
Carbon Tetrachloride
Concen: 6.387 ug/l
RT: 7.979 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

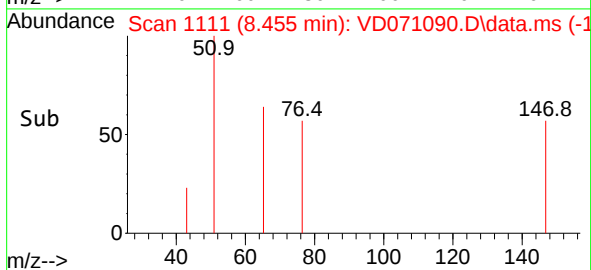
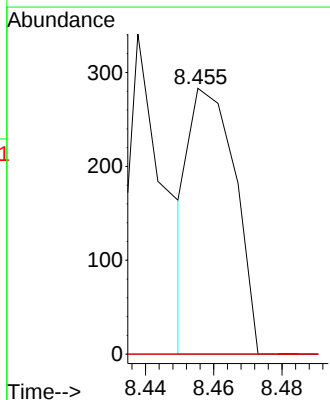
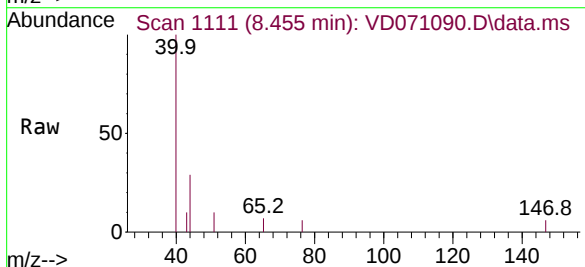
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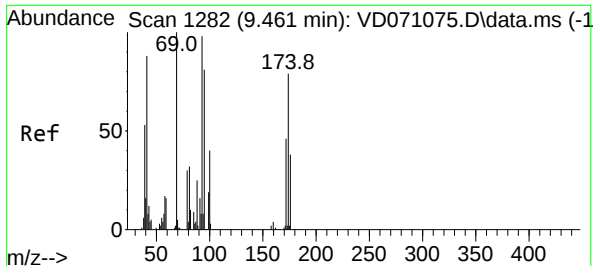
Tgt Ion:117 Resp: 35000
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.267 ug/l
RT: 8.455 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

Tgt Ion: 43 Resp: 258
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#





#49

1,4-Dioxane

Concen: 2.816 ug/l

RT: 9.396 min Scan# 1271

Delta R.T. -0.065 min

Lab File: VD071090.D

Acq: 30 Nov 2021 18:32

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW9-GW-898-900

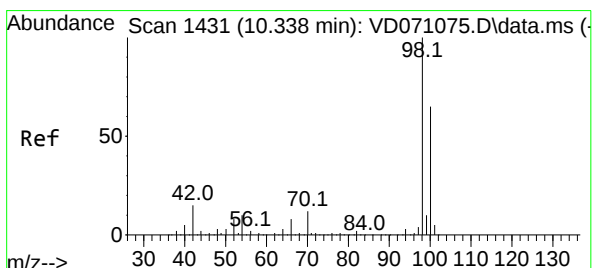
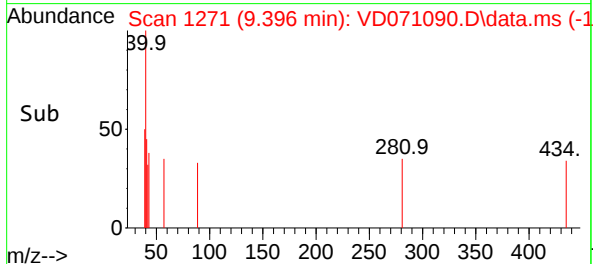
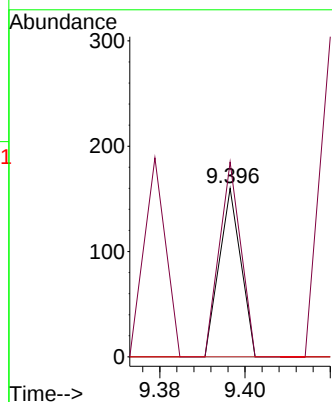
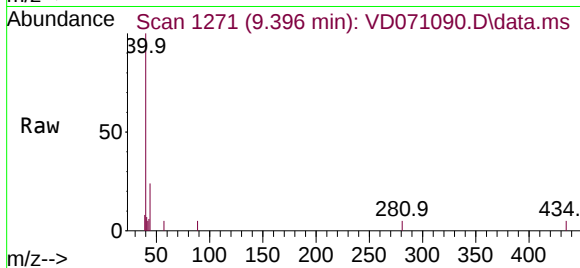
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 116.1 28.9 43.3#

58 0.0 56.3 84.5#



#50

Toluene-d8

Concen: 52.339 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071090.D

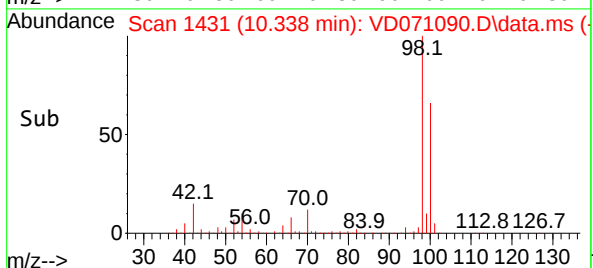
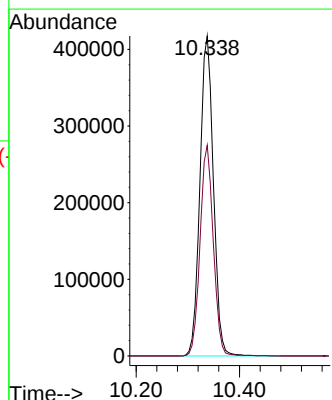
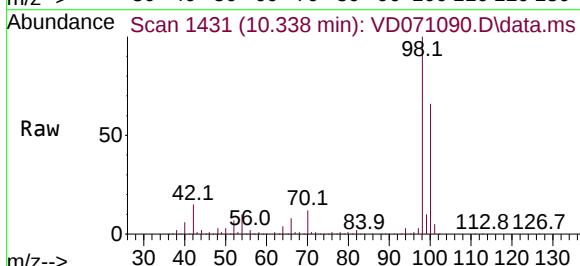
Acq: 30 Nov 2021 18:32

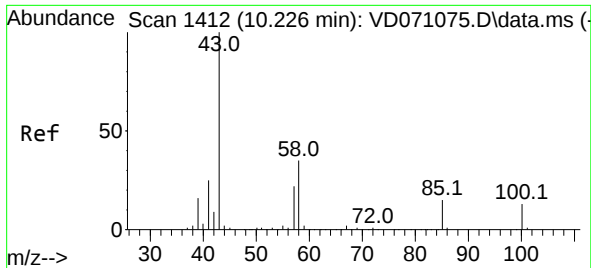
Tgt Ion: 98 Resp: 754353

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.6

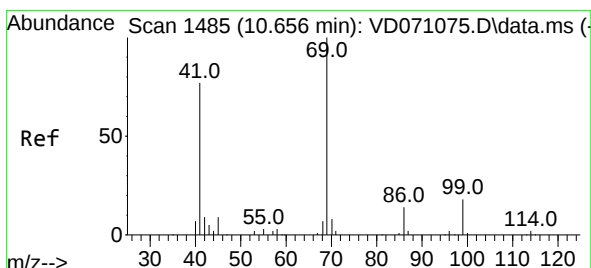
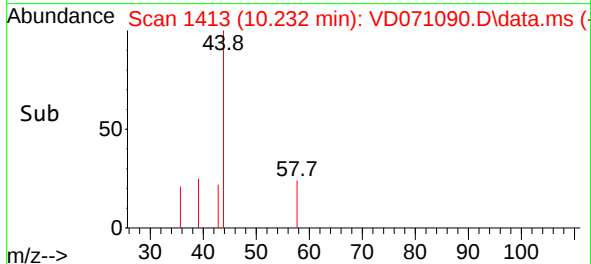
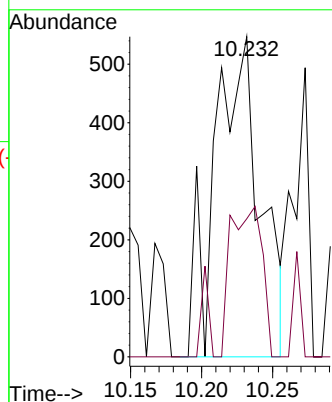
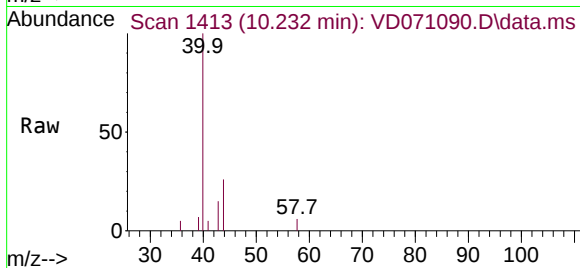




#51
4-Methyl-2-Pentanone
Concen: 31.049 ug/l
RT: 10.232 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

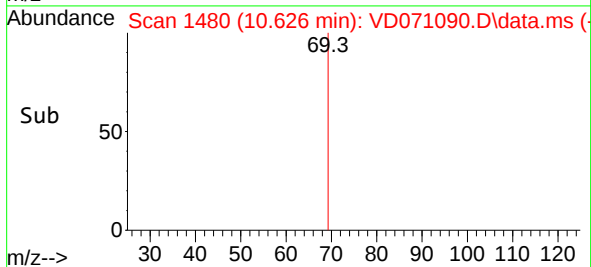
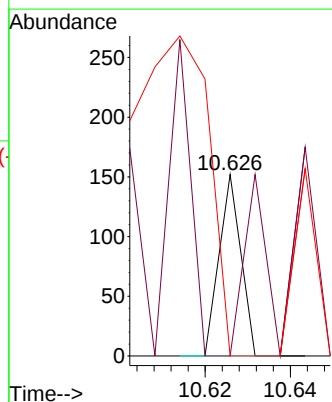
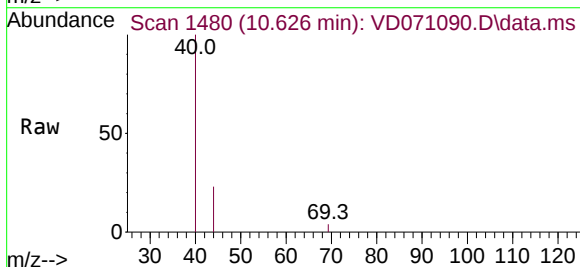
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-898-900

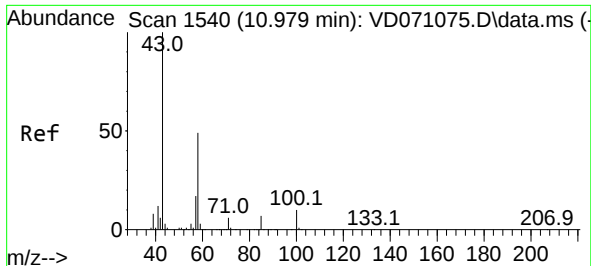
Tgt Ion: 43 Resp: 1227
Ion Ratio Lower Upper
43 100
58 32.4 33.1 49.7#



#56
Ethyl methacrylate
Concen: 5.983 ug/l
RT: 10.626 min Scan# 1480
Delta R.T. -0.030 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 100.0 50.2 75.2#
39 613.0 19.8 29.8#

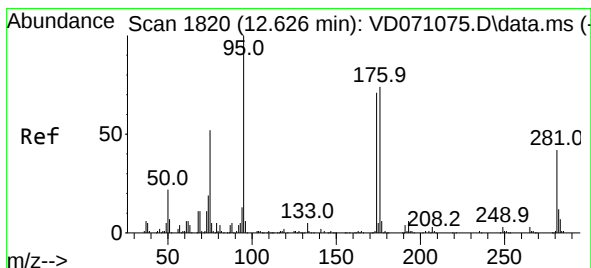
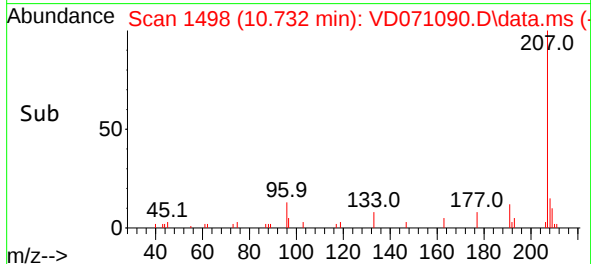
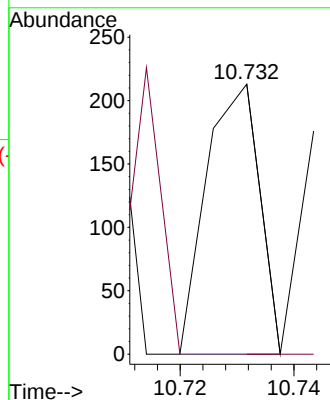
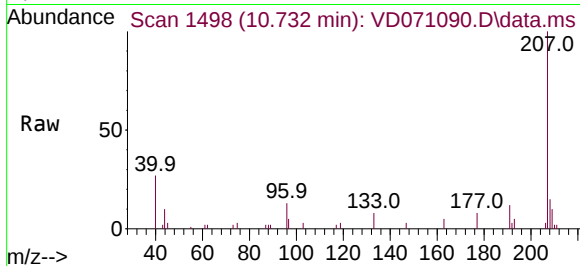




#59
2-Hexanone
Concen: 34.632 ug/l
RT: 10.732 min Scan# 1498
Delta R.T. -0.247 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

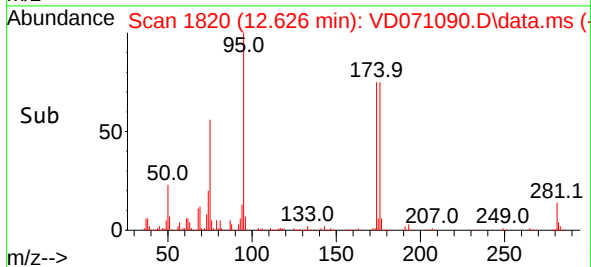
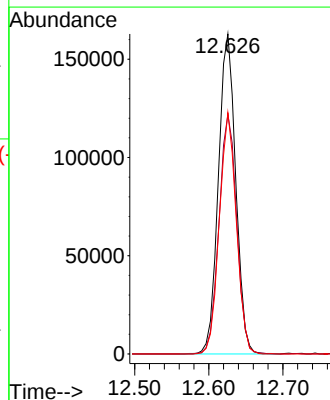
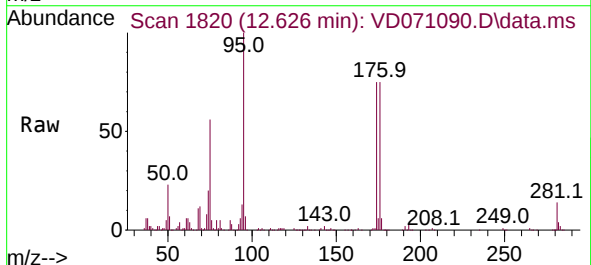
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-898-900

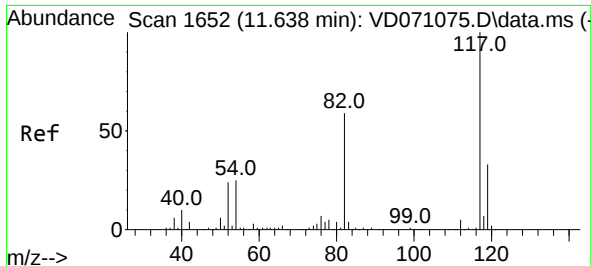
Tgt Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
58 58.0 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 53.007 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

Tgt Ion: 95 Resp: 264825
Ion Ratio Lower Upper
95 100
174 76.4 0.0 159.4
176 73.7 0.0 154.0

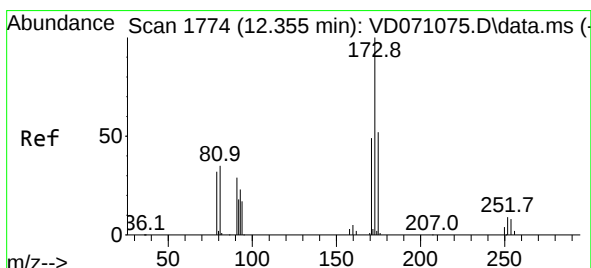
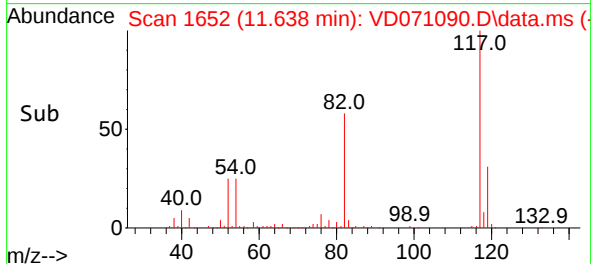
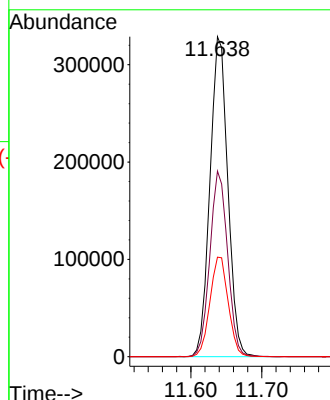
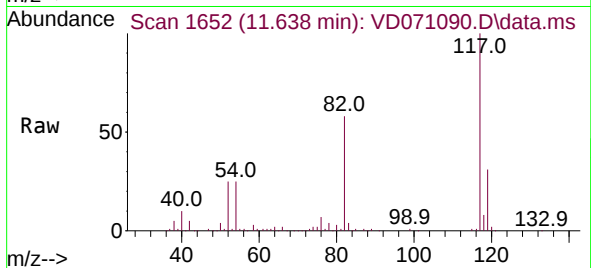




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

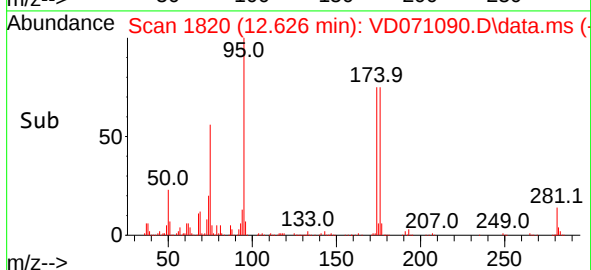
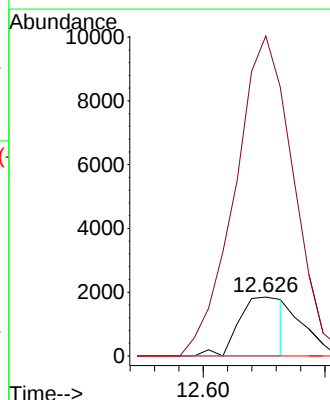
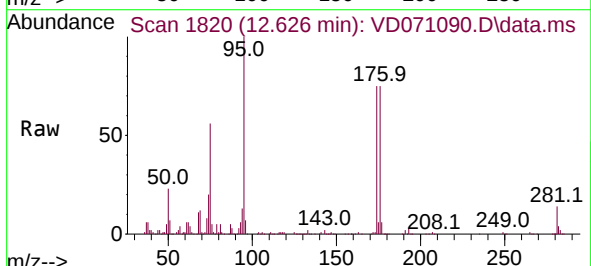
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-898-900

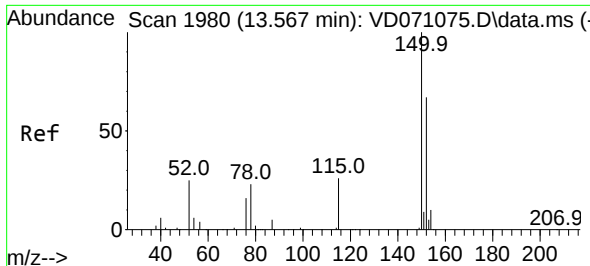
Tgt Ion:117 Resp: 572668
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 31.1 26.2 39.4



#71
Bromoform
Concen: 1.164 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

Tgt Ion:173 Resp: 2339
Ion Ratio Lower Upper
173 100
175 576.7 24.1 72.2#
254 0.0 0.1 0.1#

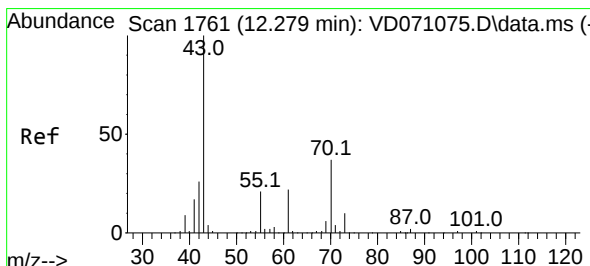
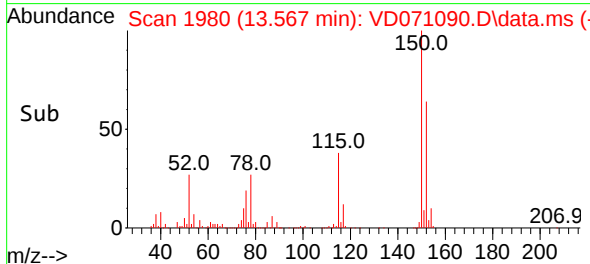
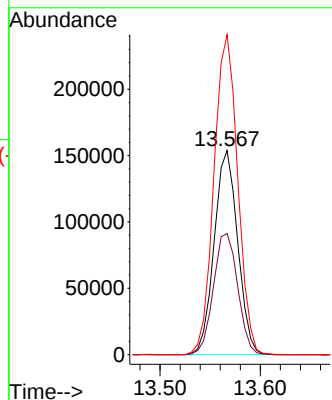
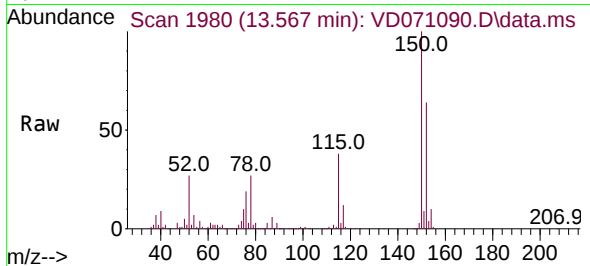




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

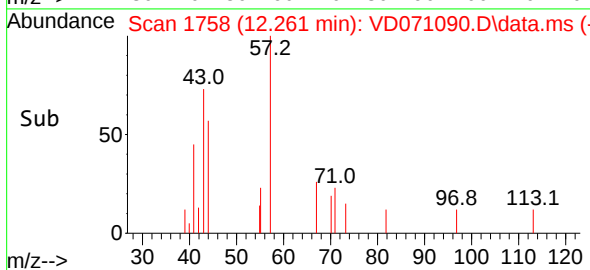
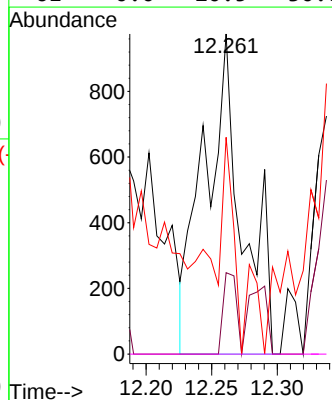
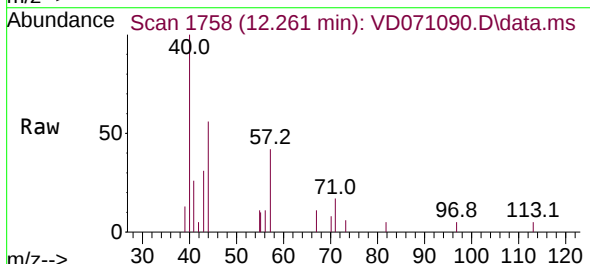
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-898-900

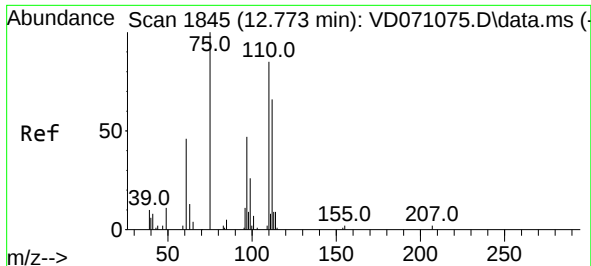
Tgt Ion:152 Resp: 250217
Ion Ratio Lower Upper
152 100
115 61.3 29.8 89.3
150 158.4 0.0 349.2



#74
N-ethyl acetate
Concen: 6.049 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

Tgt Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
70 8.8 36.6 55.0#
55 18.8 22.5 33.7#
61 0.0 20.5 30.7#

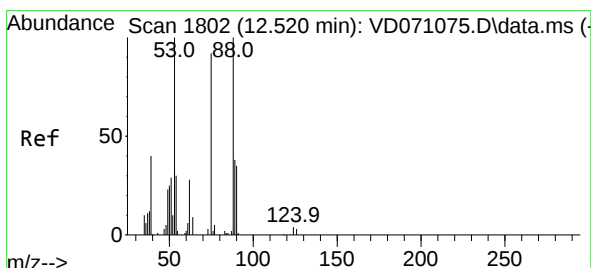
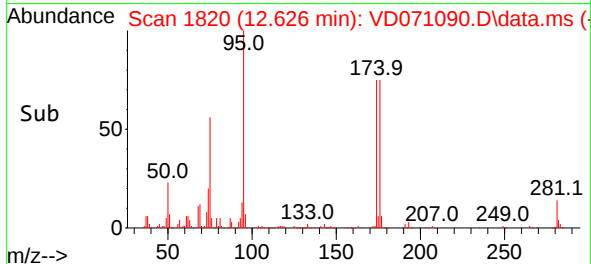
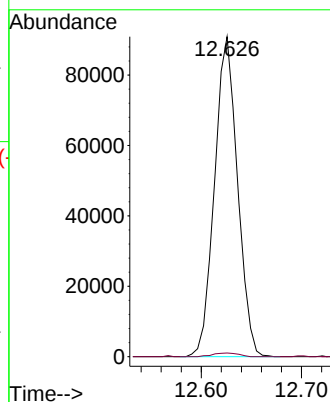
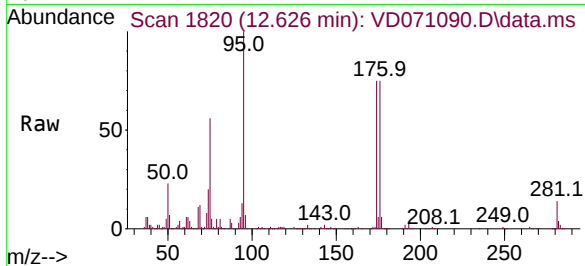




#76
1,2,3-Trichloropropane
Concen: 60.743 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW9-GW-898-900

Tgt Ion: 75 Resp: 144810
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.443 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071090.D
Acq: 30 Nov 2021 18:32

Tgt Ion: 75 Resp: 144810
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 34.5 51.7#

