

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012022\
 Data File : VD071763.D
 Acq On : 20 Jan 2022 15:42
 Operator : VA/SY
 Sample : N1204-01RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PS-MH-SOIL

Quant Time: Jan 21 03:16:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

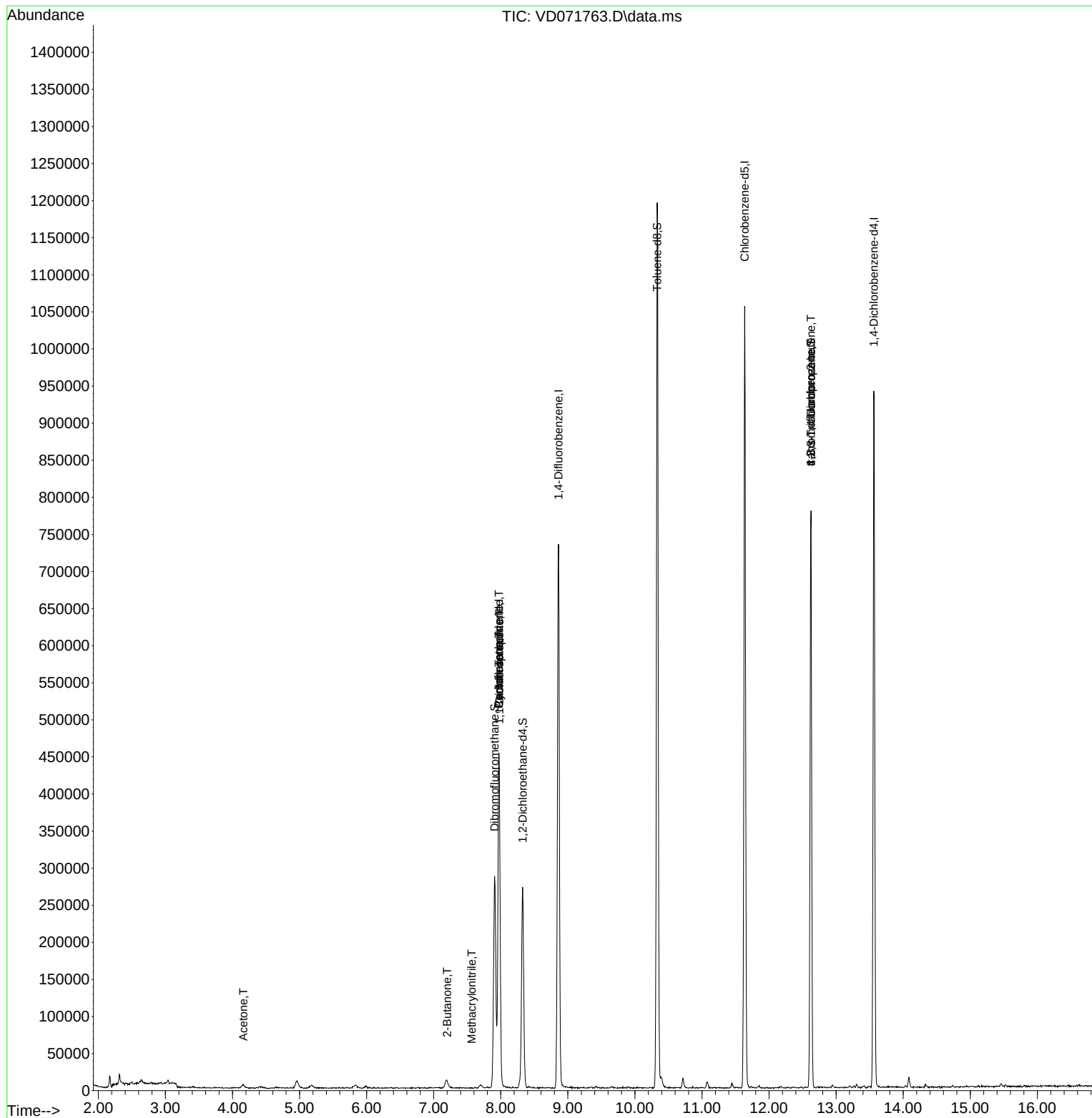
Internal Standards						
1) Pentafluorobenzene	7.973	168	304482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	583674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	537022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	226685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	214646	54.787	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.580%	
35) Dibromofluoromethane	7.908	113	197683	51.248	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.500%	
50) Toluene-d8	10.331	98	766590	53.090	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.180%	
62) 4-Bromofluorobenzene	12.625	95	230075	45.219	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.440%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	368	Below Cal	#	43
3) Chloromethane	2.214	50	434	Below Cal	#	43
5) Bromomethane	2.779	94	478	Below Cal		87
11) Tert butyl alcohol	5.173	59	3549	Below Cal	#	80
16) Acetone	4.161	43	8333	9.213	ug/l	98
18) Methyl Acetate	4.720	43	63	Below Cal	#	56
20) Methylene Chloride	4.961	84	6258	Below Cal		90
25) 2-Butanone	7.202	43	3525	3.298	ug/l	95
31) Cyclohexane	7.973	56	9664	2.091	ug/l #	27
36) 1,1-Dichloropropene	7.979	75	29626	5.384	ug/l #	52
38) Carbon Tetrachloride	7.973	117	34684	6.224	ug/l #	19
41) Methacrylonitrile	7.567	41	66	1.171	ug/l #	26
76) 1,2,3-Trichloropropane	12.625	75	133318	60.865	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.625	75	133318	169.683	ug/l #	3

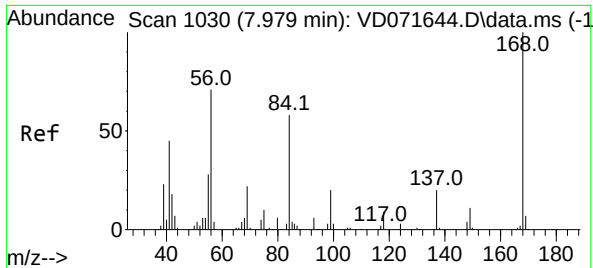
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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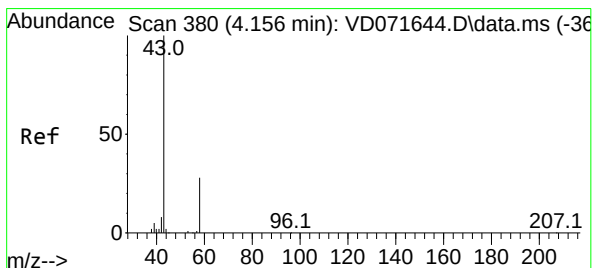
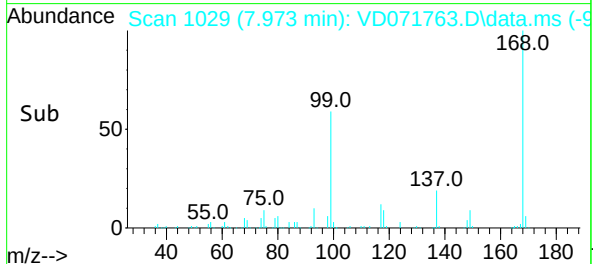
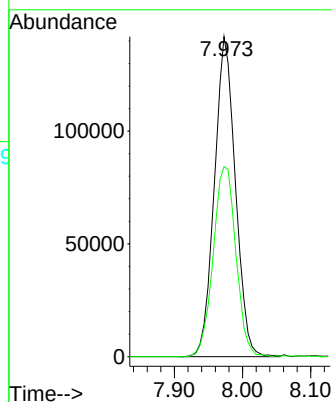
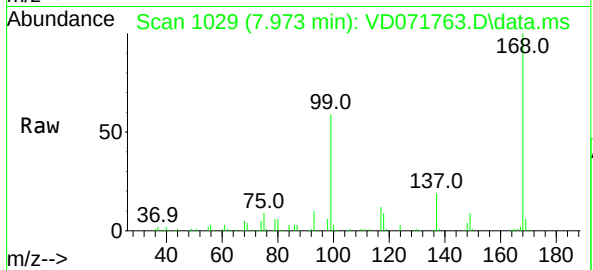




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071763.D
Acq: 20 Jan 2022 15:42

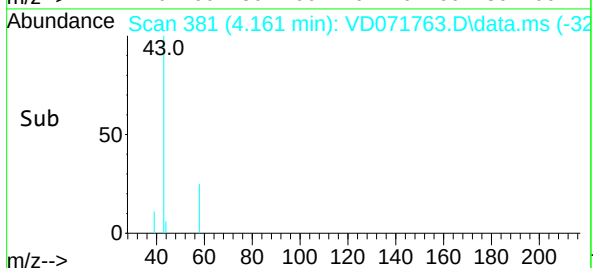
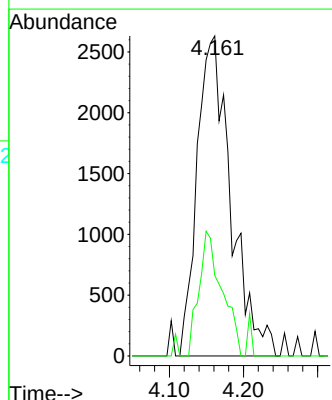
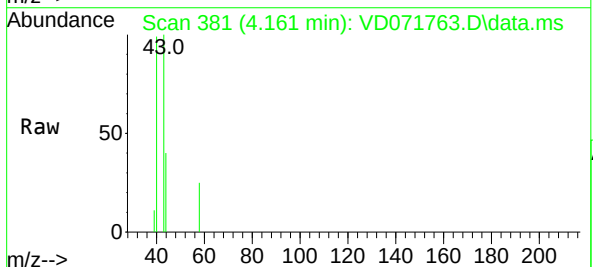
Instrument :
MSVOA_D
ClientSampleId :
PS-MH-SOIL

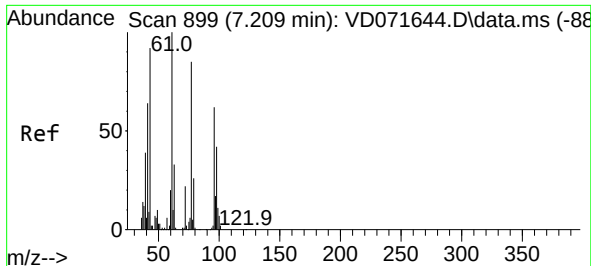
Tgt Ion:168 Resp: 304482
Ion Ratio Lower Upper
168 100
99 59.4 51.8 77.6



#16
Acetone
Concen: 9.213 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071763.D
Acq: 20 Jan 2022 15:42

Tgt Ion: 43 Resp: 8333
Ion Ratio Lower Upper
43 100
58 25.2 21.0 31.6





#25

2-Butanone

Concen: 3.298 ug/l

RT: 7.202 min Scan# 89

Delta R.T. -0.006 min

Lab File: VD071763.D

Acq: 20 Jan 2022 15:42

Instrument :

MSVOA_D

ClientSampleId :

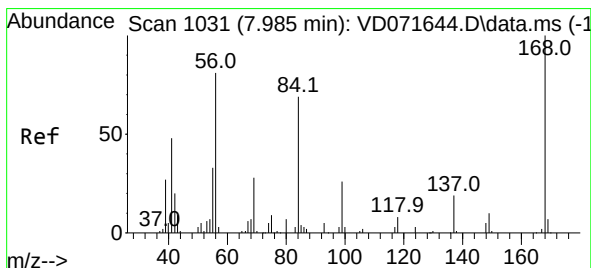
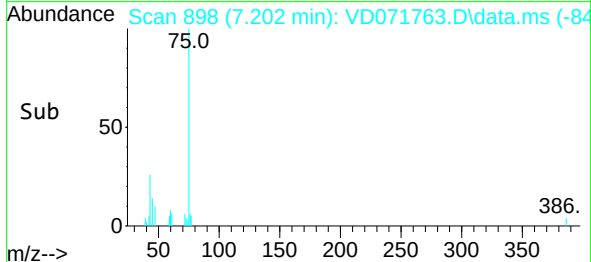
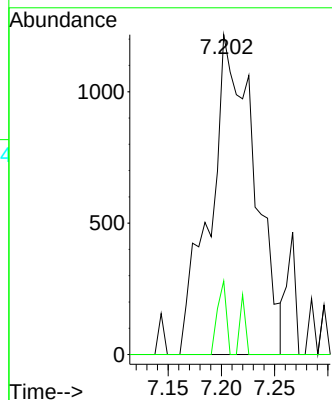
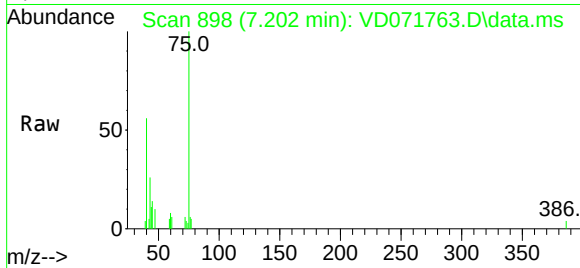
PS-MH-SOIL

Tgt Ion: 43 Resp: 3525

Ion Ratio Lower Upper

43 100

72 23.0 16.4 24.6



#31

Cyclohexane

Concen: 2.091 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.017 min

Lab File: VD071763.D

Acq: 20 Jan 2022 15:42

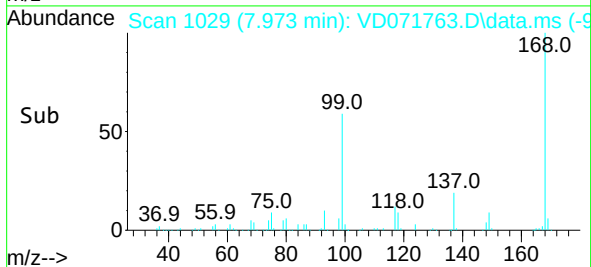
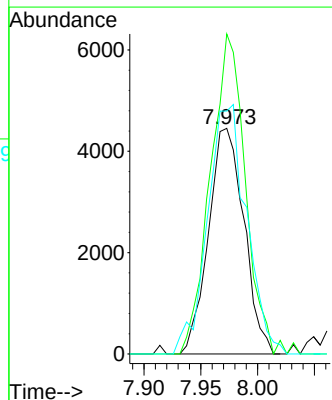
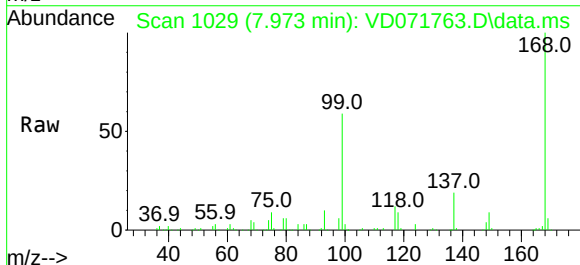
Tgt Ion: 56 Resp: 9664

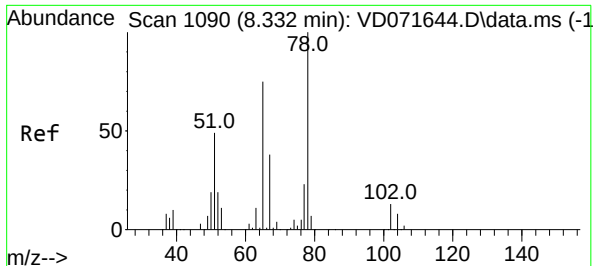
Ion Ratio Lower Upper

56 100

69 141.9 21.7 32.5#

84 103.7 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 54.787 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071763.D

Acq: 20 Jan 2022 15:42

Instrument :

MSVOA_D

ClientSampleId :

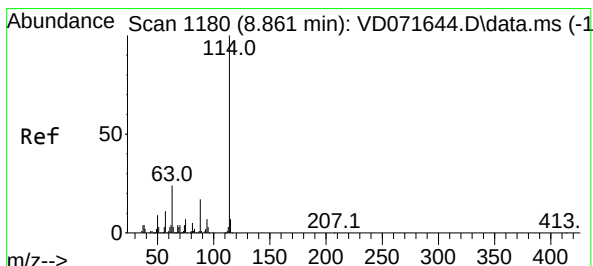
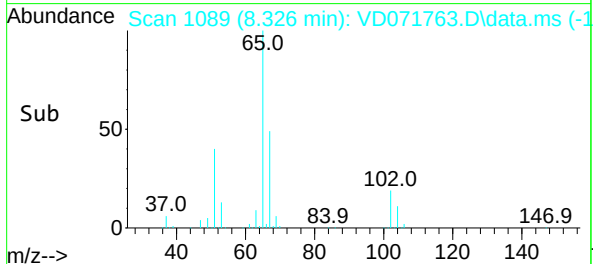
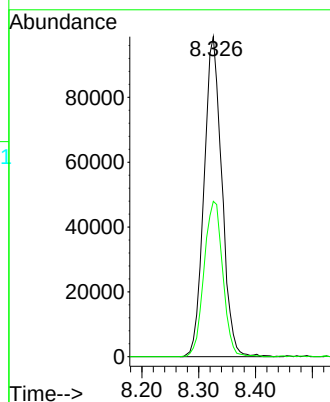
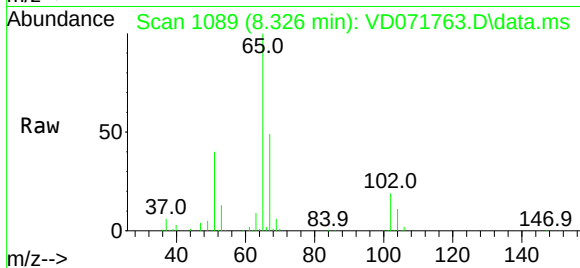
PS-MH-SOIL

Tgt Ion: 65 Resp: 214646

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071763.D

Acq: 20 Jan 2022 15:42

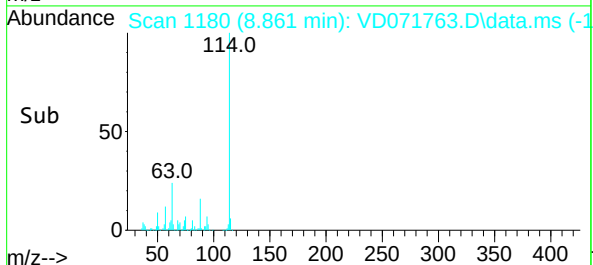
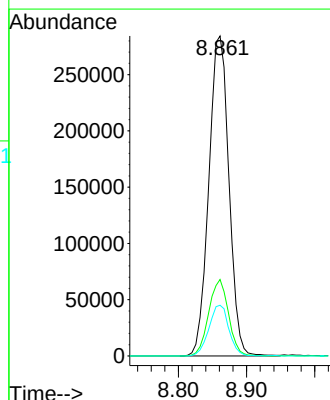
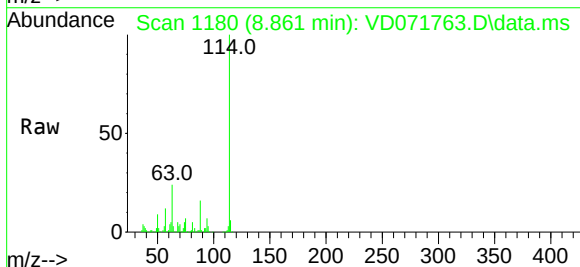
Tgt Ion: 114 Resp: 583674

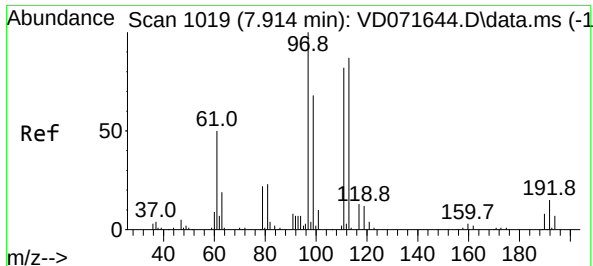
Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.2

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.248 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071763.D

Acq: 20 Jan 2022 15:42

Instrument :

MSVOA_D

ClientSampleId :

PS-MH-SOIL

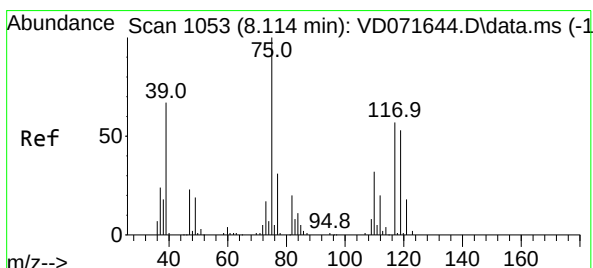
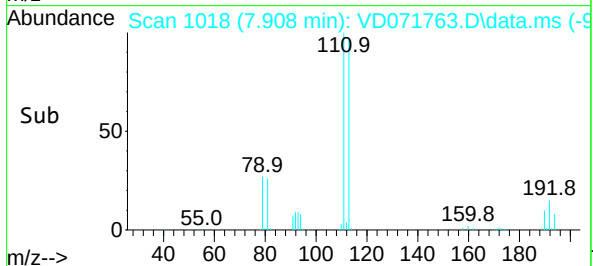
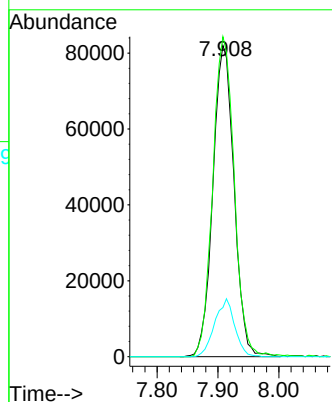
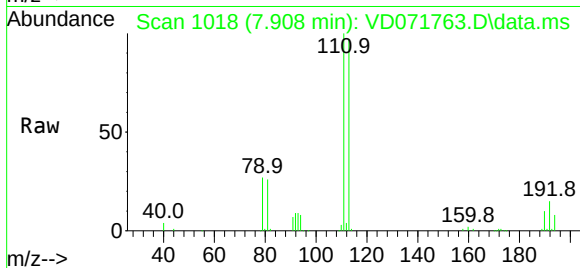
Tgt Ion:113 Resp: 197683

Ion Ratio Lower Upper

113 100

111 104.8 82.2 123.4

192 17.7 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.384 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071763.D

Acq: 20 Jan 2022 15:42

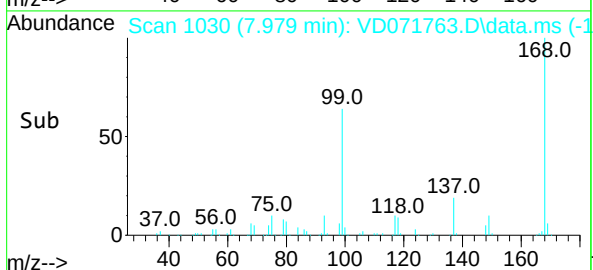
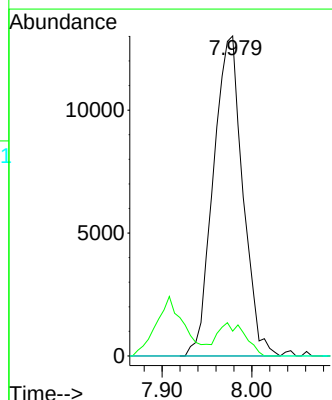
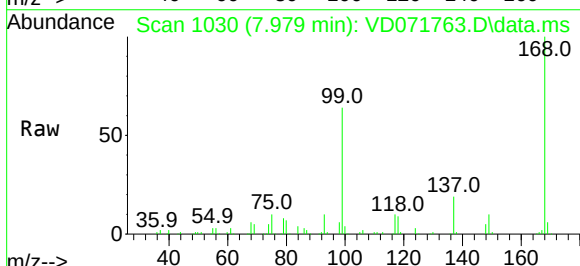
Tgt Ion: 75 Resp: 29626

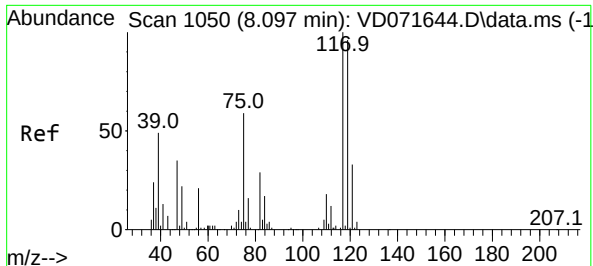
Ion Ratio Lower Upper

75 100

110 9.4 16.0 48.0#

77 0.0 24.5 36.7#

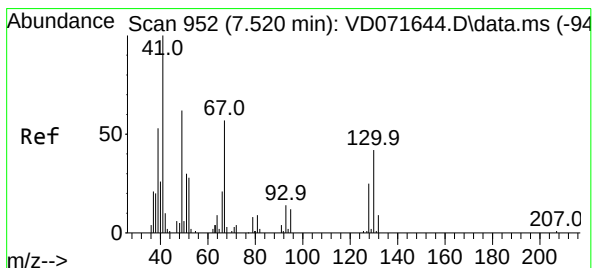
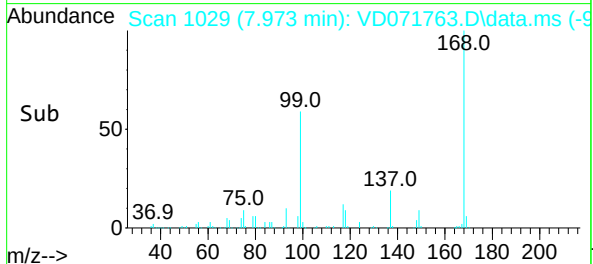
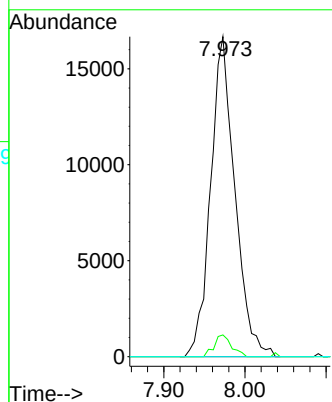
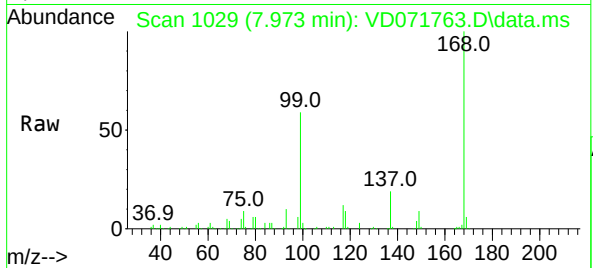




#38
Carbon Tetrachloride
Concen: 6.224 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.123 min
Lab File: VD071763.D
Acq: 20 Jan 2022 15:42

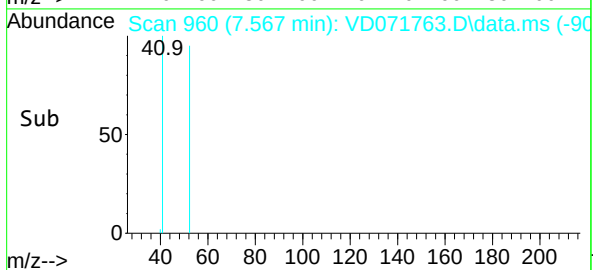
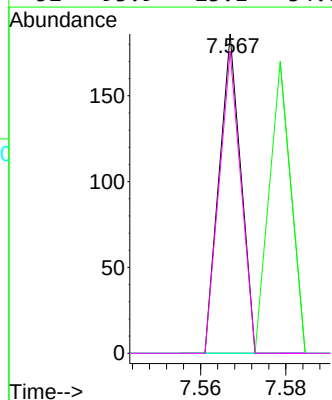
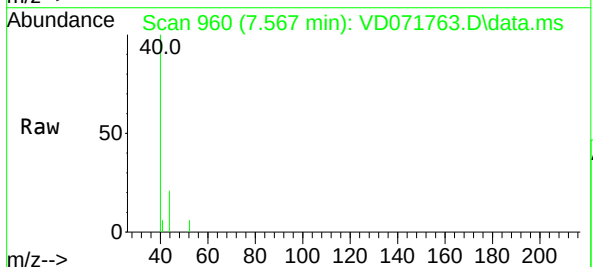
Instrument :
MSVOA_D
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PS-MH-SOIL

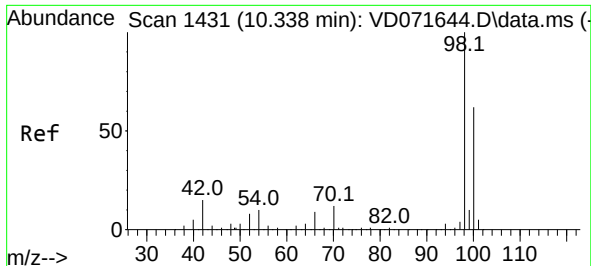
Tgt Ion:117 Resp: 34684
Ion Ratio Lower Upper
117 100
119 6.8 73.4 110.2#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.171 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.047 min
Lab File: VD071763.D
Acq: 20 Jan 2022 15:42

Tgt Ion: 41 Resp: 66
Ion Ratio Lower Upper
41 100
39 90.9 46.9 70.3#
67 0.0 49.3 73.9#
52 93.9 23.1 34.7#

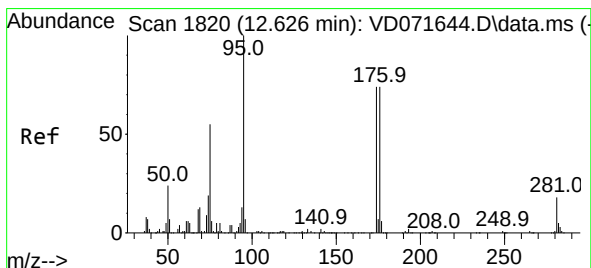
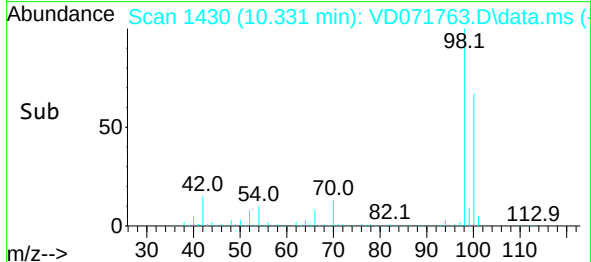
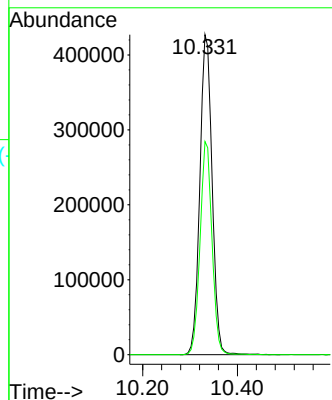
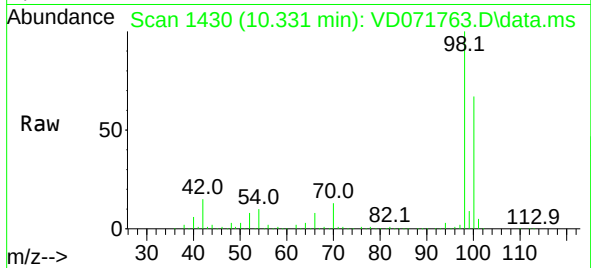




#50
Toluene-d8
Concen: 53.090 ug/l
RT: 10.331 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071763.D
Acq: 20 Jan 2022 15:42

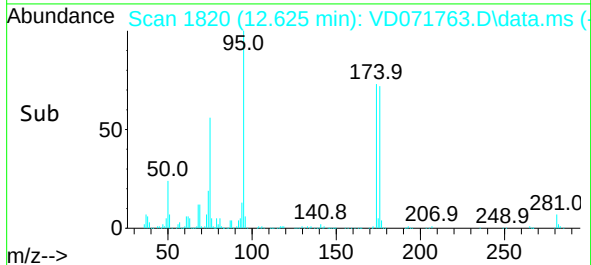
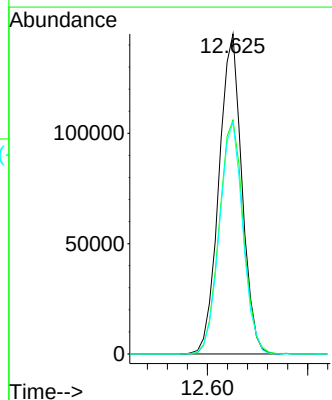
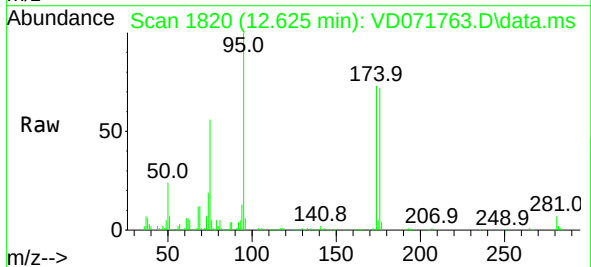
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MSVOA_D
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PS-MH-SOIL

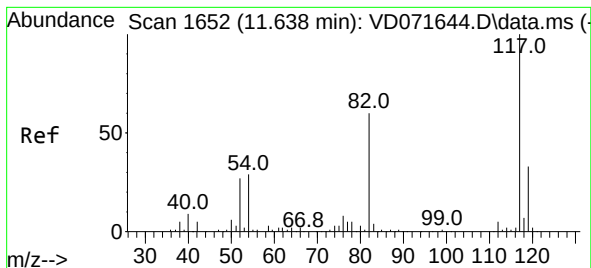
Tgt Ion: 98 Resp: 766590
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.219 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.001 min
Lab File: VD071763.D
Acq: 20 Jan 2022 15:42

Tgt Ion: 95 Resp: 230075
Ion Ratio Lower Upper
95 100
174 76.8 0.0 150.0
176 73.7 0.0 146.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.637 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD071763.D

Acq: 20 Jan 2022 15:42

Instrument :

MSVOA_D

ClientSampleId :

PS-MH-SOIL

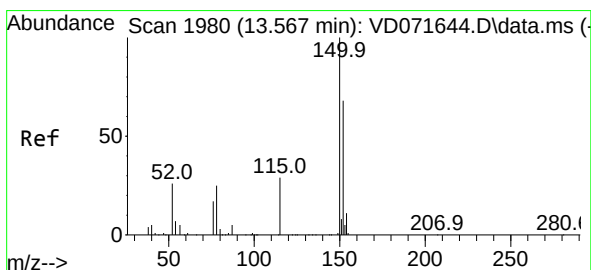
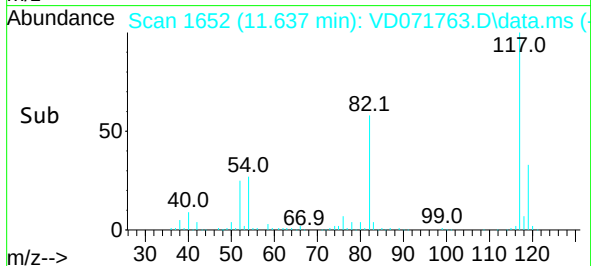
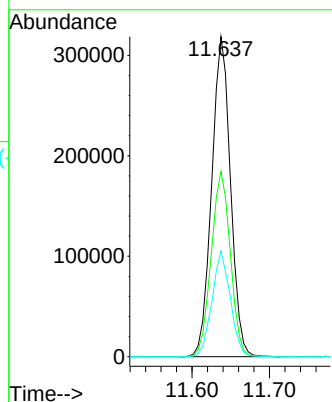
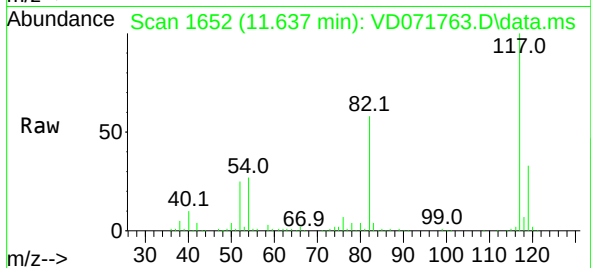
Tgt Ion:117 Resp: 537022

Ion Ratio Lower Upper

117 100

82 57.9 46.9 70.3

119 33.0 26.6 39.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.006 min

Lab File: VD071763.D

Acq: 20 Jan 2022 15:42

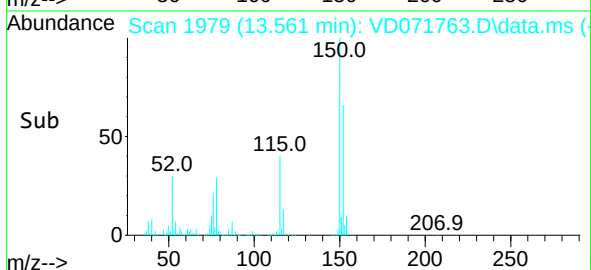
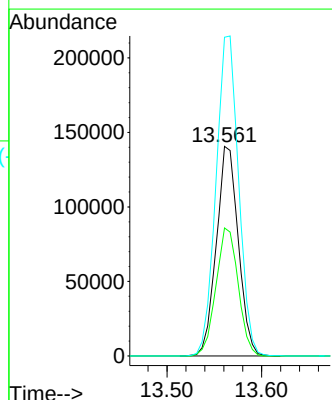
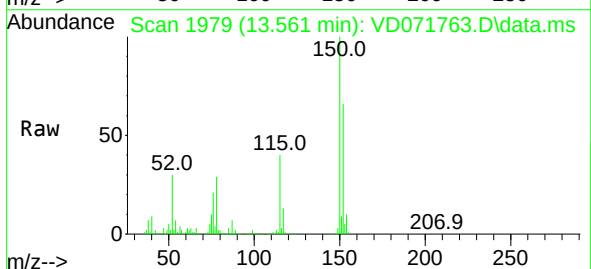
Tgt Ion:152 Resp: 226685

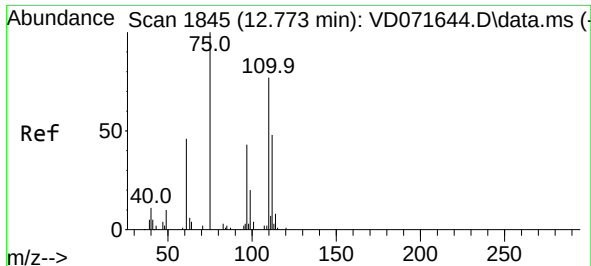
Ion Ratio Lower Upper

152 100

115 61.8 31.5 94.5

150 157.0 0.0 348.0

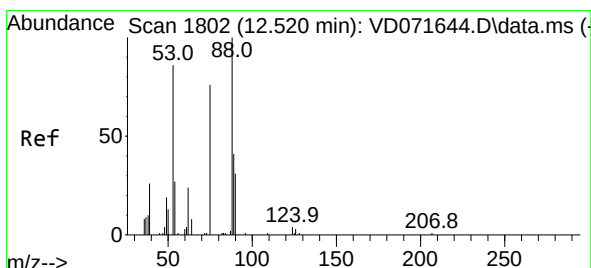
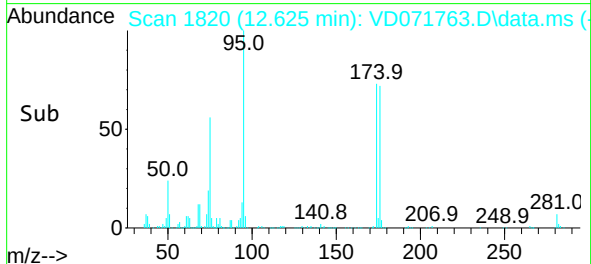
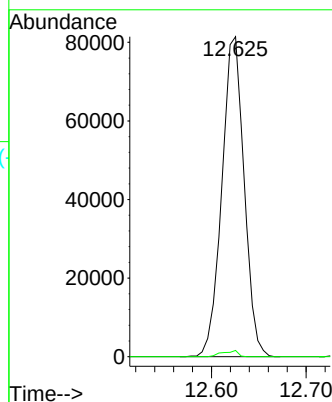
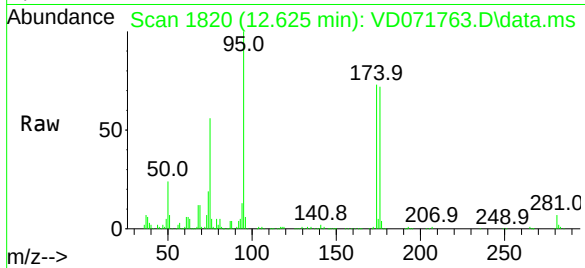




#76
1,2,3-Trichloropropane
Concen: 60.865 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD071763.D
Acq: 20 Jan 2022 15:42

Instrument :
MSVOA_D
ClientSampleId :
PS-MH-SOIL

Tgt Ion: 75 Resp: 133318
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 169.683 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD071763.D
Acq: 20 Jan 2022 15:42

Tgt Ion: 75 Resp: 133318
Ion Ratio Lower Upper
75 100
53 0.0 95.4 143.0#
89 0.3 37.2 55.8#

