

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013122\
 Data File : VD071853.D
 Acq On : 31 Jan 2022 18:54
 Operator : VA/SY
 Sample : N1335-07
 Misc : 9.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-4S

Quant Time: Feb 01 04:05:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

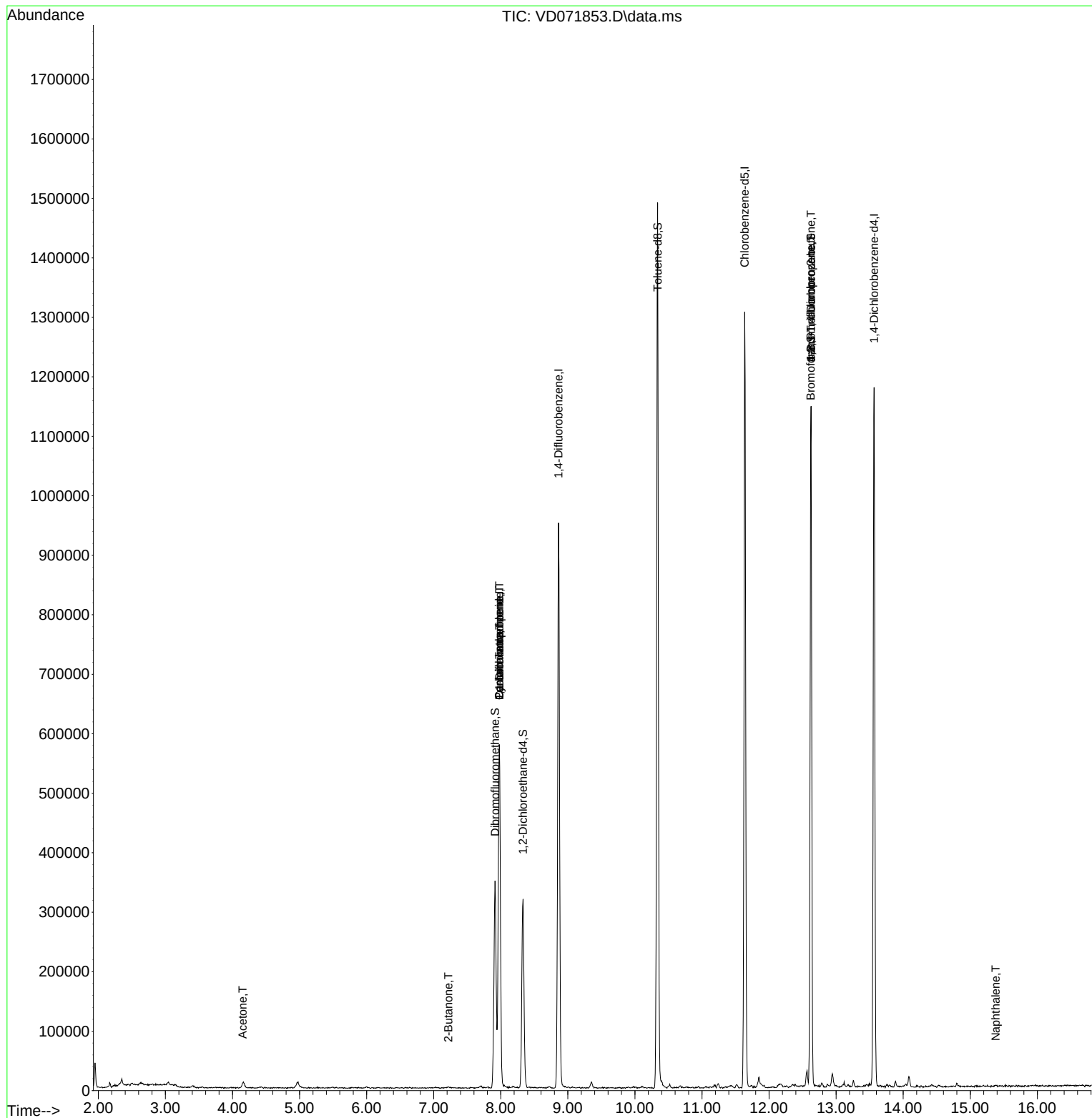
Internal Standards						
1) Pentafluorobenzene	7.979	168	397220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	740596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	690582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	290417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	251226	50.038	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.080%	
35) Dibromofluoromethane	7.914	113	236604	48.602	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.200%	
50) Toluene-d8	10.338	98	950592	52.285	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.580%	
62) 4-Bromofluorobenzene	12.626	95	305253	48.079	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.203	59	196	Below Cal	#	74
16) Acetone	4.150	43	17164	12.489	ug/l #	77
20) Methylene Chloride	4.973	84	6099	Below Cal	#	87
25) 2-Butanone	7.220	43	2977	1.858	ug/l	99
31) Cyclohexane	7.979	56	12487	1.303	ug/l #	33
36) 1,1-Dichloropropene	7.979	75	37713	4.514	ug/l #	52
38) Carbon Tetrachloride	7.979	117	44803	5.422	ug/l #	15
71) Bromoform	12.620	173	2883	1.016	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	173482	56.682	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	173482	139.367	ug/l #	7
95) Naphthalene	15.379	128	1543	1.602	ug/l #	88

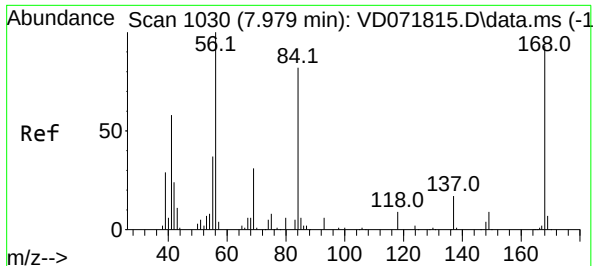
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 01 04:05:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
Response via : Initial Calibration

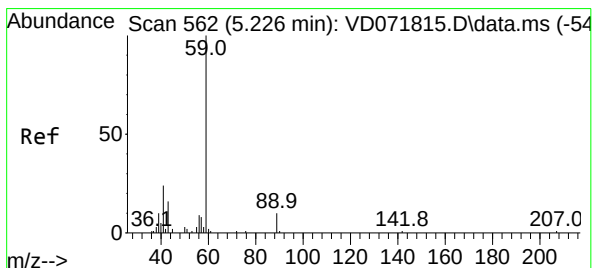
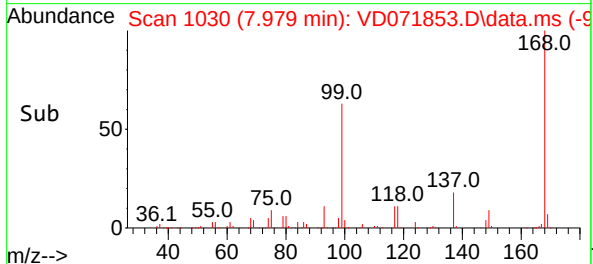
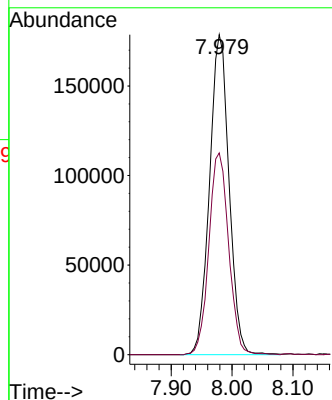
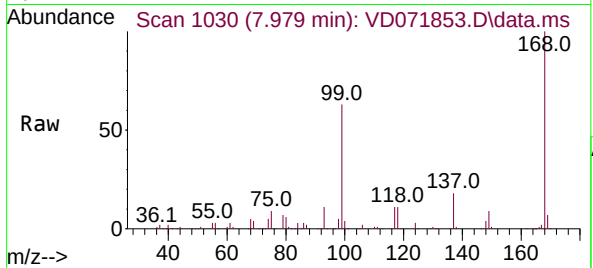




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071853.D
Acq: 31 Jan 2022 18:54

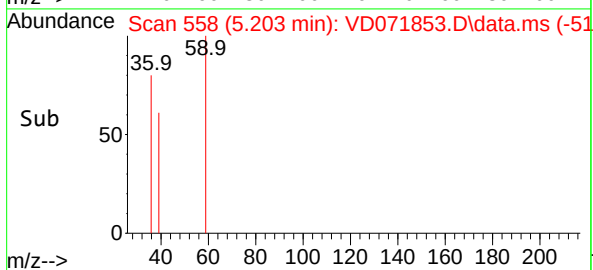
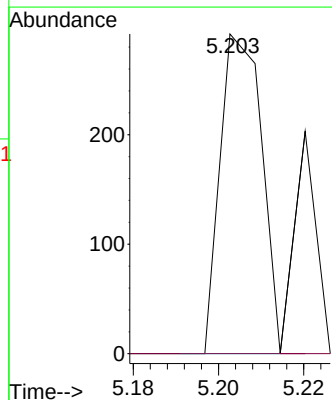
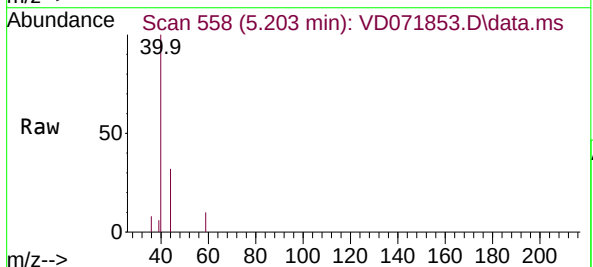
Instrument :
MSVOA_D
ClientSampleId :
MH-4S

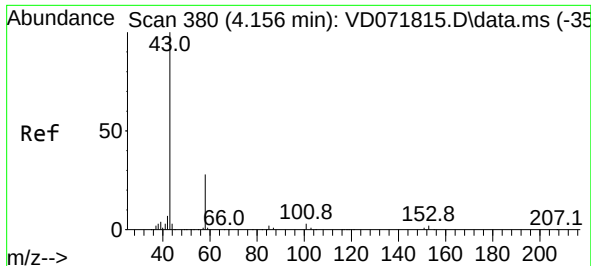
Tgt Ion:168 Resp: 397220
Ion Ratio Lower Upper
168 100
99 63.1 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.018 min
Lab File: VD071853.D
Acq: 31 Jan 2022 18:54

Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

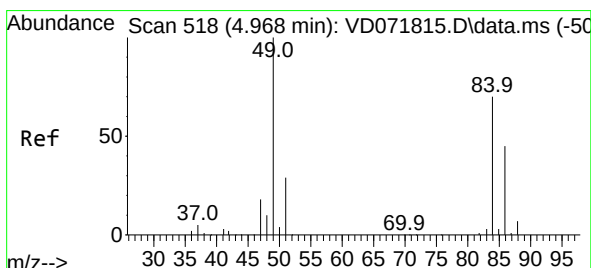
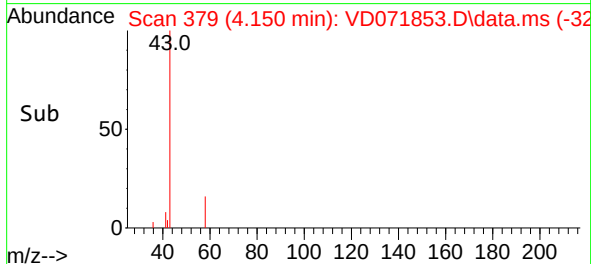
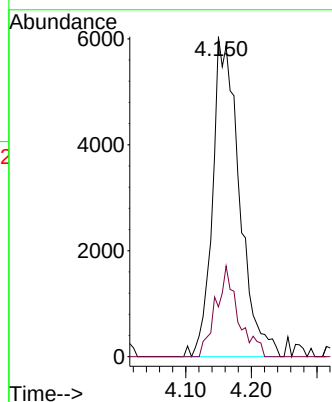
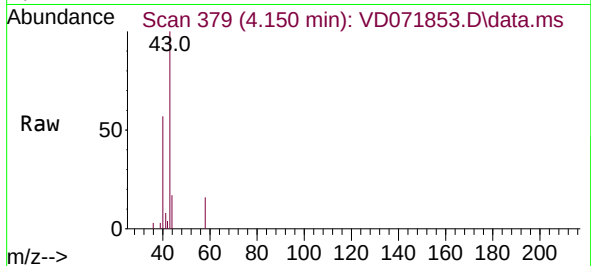




#16
Acetone
Concen: 12.489 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071853.D
Acq: 31 Jan 2022 18:54

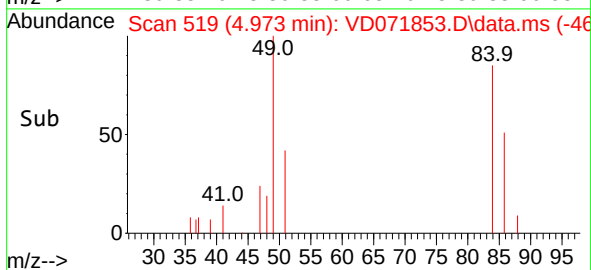
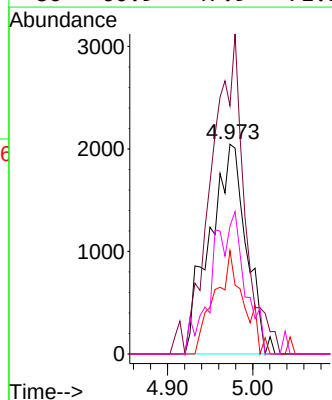
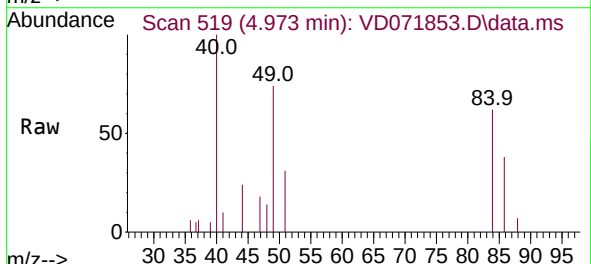
Instrument :
MSVOA_D
ClientSampleId :
MH-4S

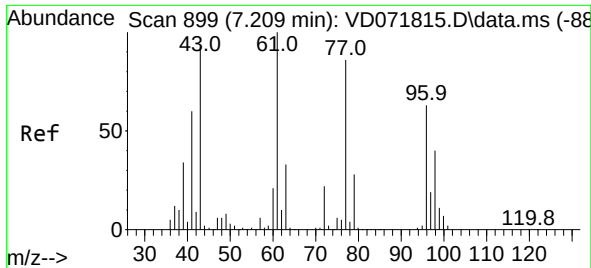
Tgt Ion: 43 Resp: 17164
Ion Ratio Lower Upper
43 100
58 15.6 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD071853.D
Acq: 31 Jan 2022 18:54

Tgt Ion: 84 Resp: 6099
Ion Ratio Lower Upper
84 100
49 118.3 112.8 169.2
51 49.2 32.6 48.8#
86 60.9 47.9 71.9

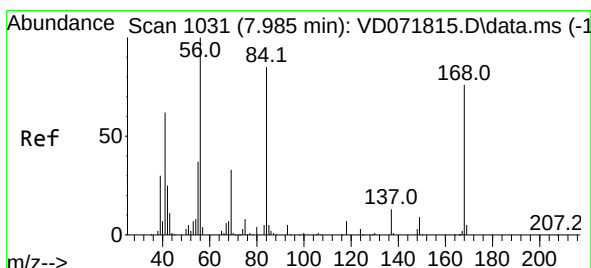
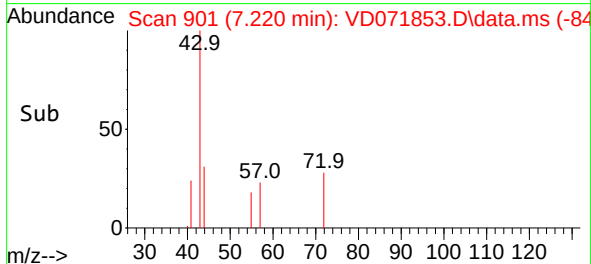
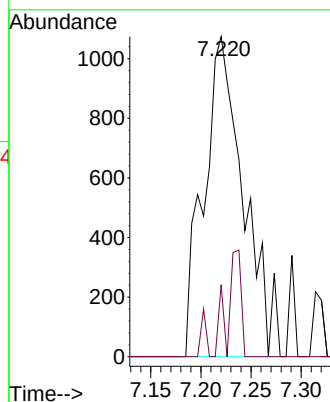
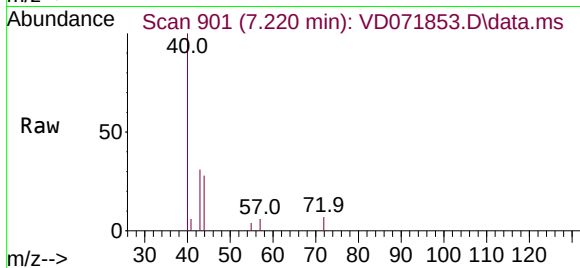




#25
2-Butanone
Concen: 1.858 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD071853.D
Acq: 31 Jan 2022 18:54

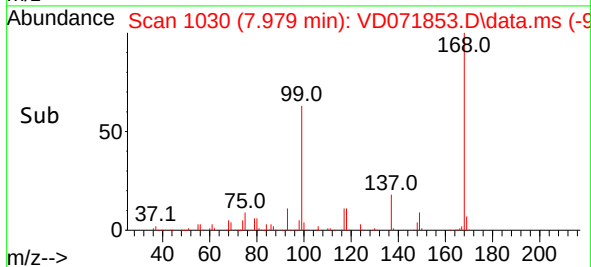
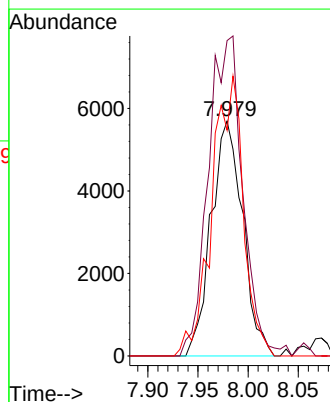
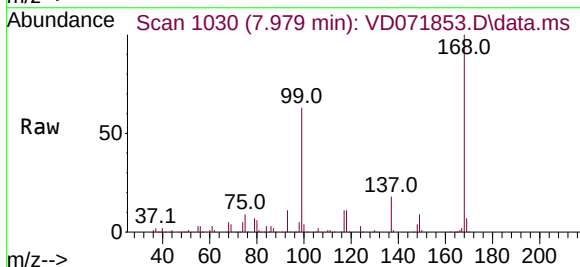
Instrument :
MSVOA_D
ClientSampleId :
MH-4S

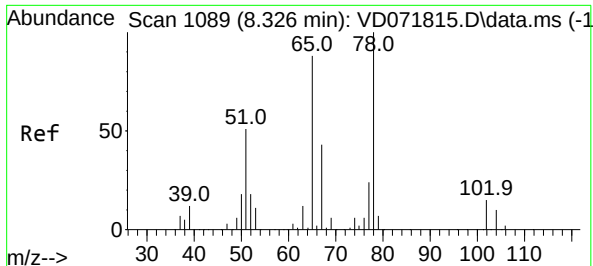
Tgt Ion: 43 Resp: 2977
Ion Ratio Lower Upper
43 100
72 22.5 18.6 27.8



#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071853.D
Acq: 31 Jan 2022 18:54

Tgt Ion: 56 Resp: 12487
Ion Ratio Lower Upper
56 100
69 134.3 25.4 38.2#
84 96.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.038 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071853.D

Acq: 31 Jan 2022 18:54

Instrument :

MSVOA_D

ClientSampleId :

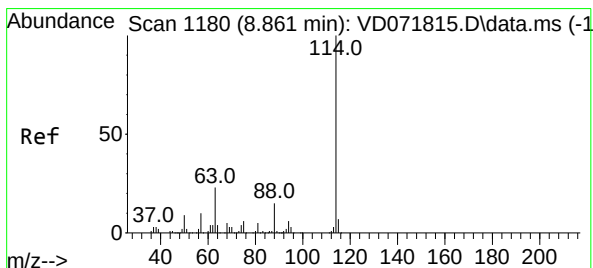
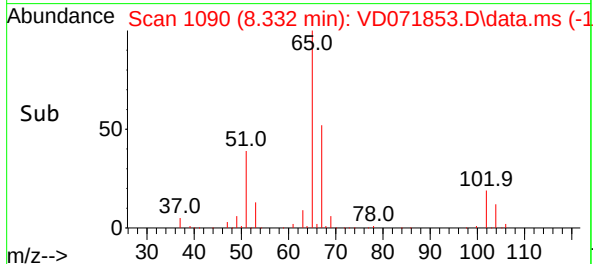
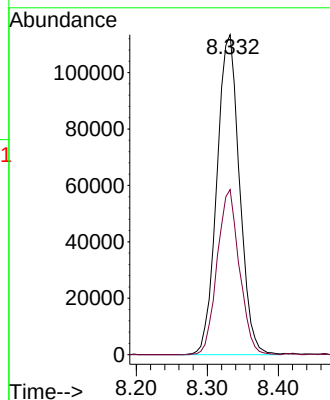
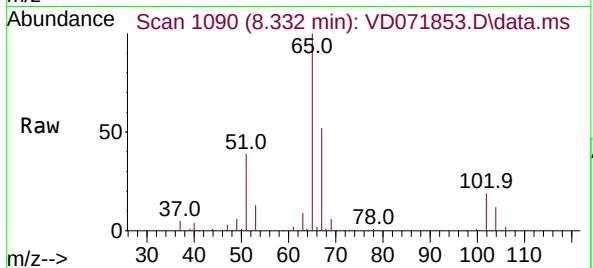
MH-4S

Tgt Ion: 65 Resp: 251226

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD071853.D

Acq: 31 Jan 2022 18:54

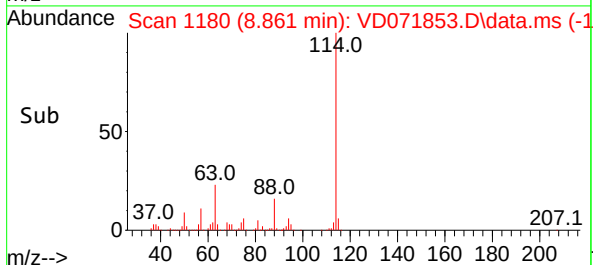
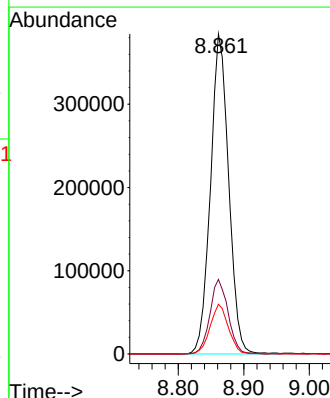
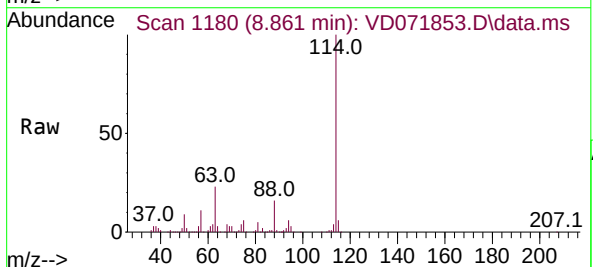
Tgt Ion: 114 Resp: 740596

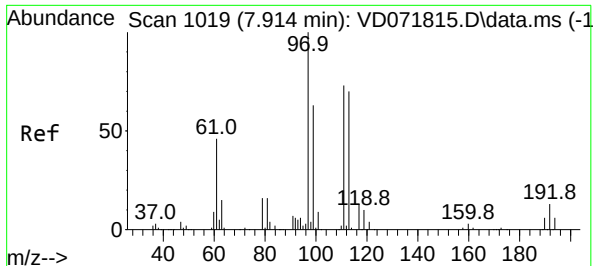
Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.6

88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.602 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD071853.D

Acq: 31 Jan 2022 18:54

Instrument :

MSVOA_D

ClientSampleId :

MH-4S

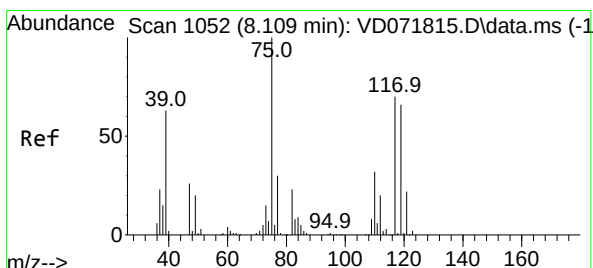
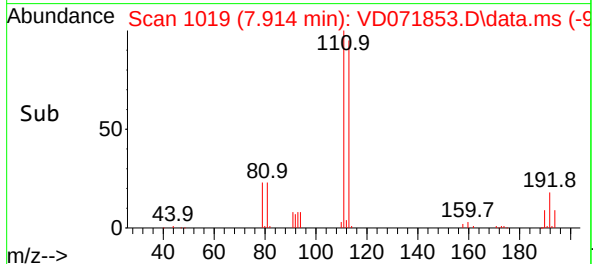
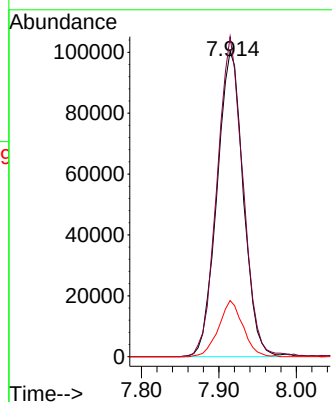
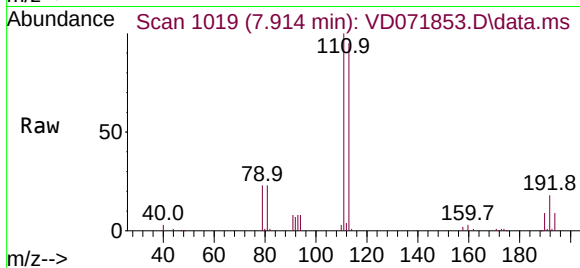
Tgt Ion:113 Resp: 236604

Ion Ratio Lower Upper

113 100

111 103.7 83.8 125.6

192 17.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.514 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071853.D

Acq: 31 Jan 2022 18:54

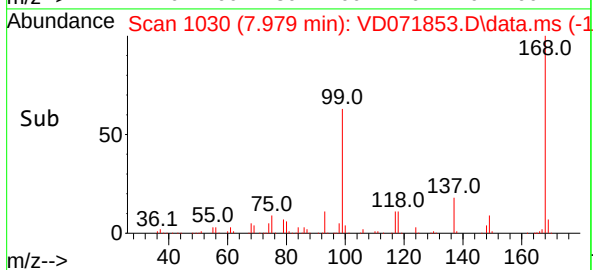
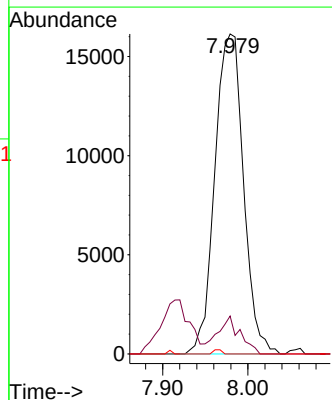
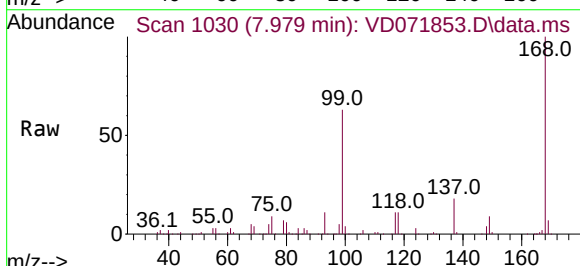
Tgt Ion: 75 Resp: 37713

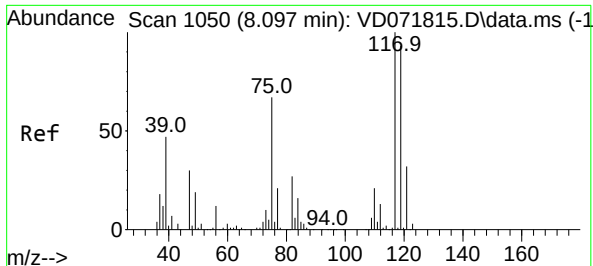
Ion Ratio Lower Upper

75 100

110 9.2 16.4 49.1#

77 0.4 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.422 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071853.D

Acq: 31 Jan 2022 18:54

Instrument :

MSVOA_D

ClientSampleId :

MH-4S

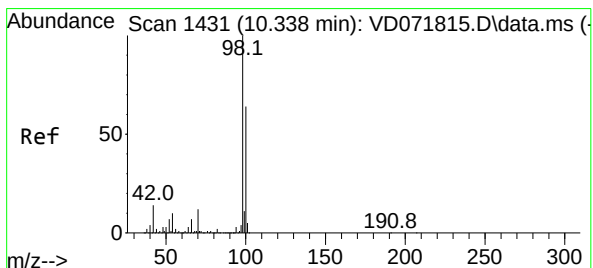
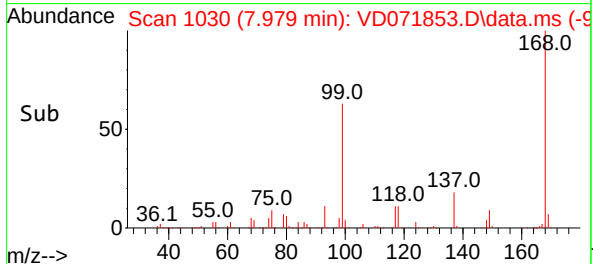
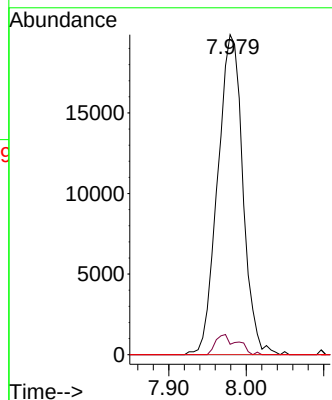
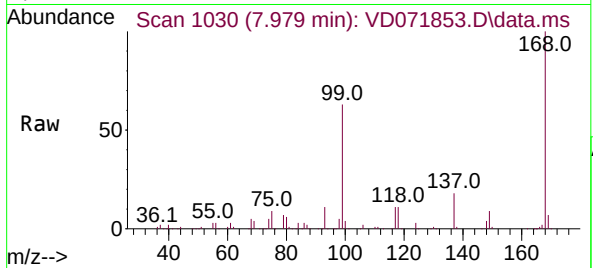
Tgt Ion:117 Resp: 44803

Ion Ratio Lower Upper

117 100

119 3.2 75.8 113.6#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 52.285 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071853.D

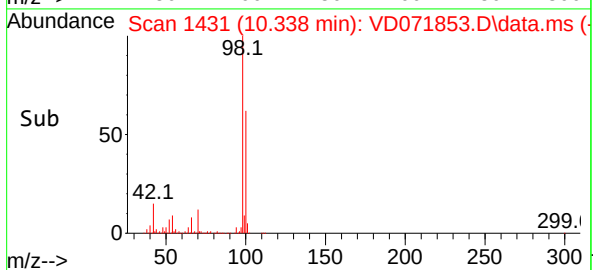
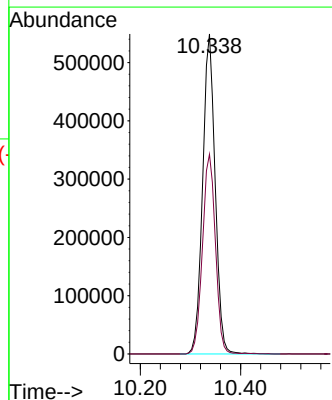
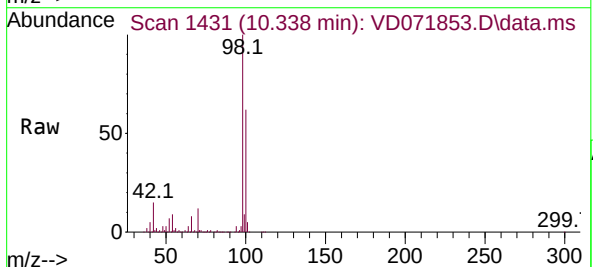
Acq: 31 Jan 2022 18:54

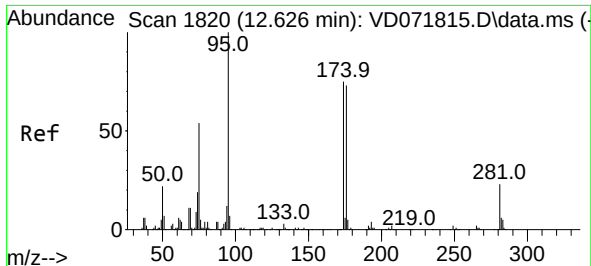
Tgt Ion: 98 Resp: 950592

Ion Ratio Lower Upper

98 100

100 64.5 52.4 78.6

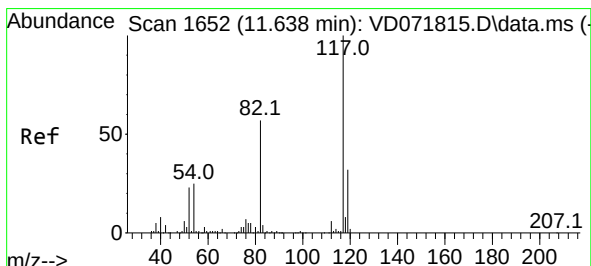
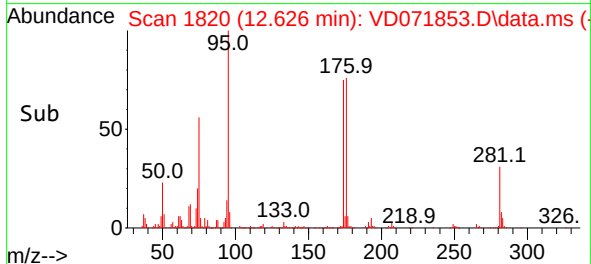
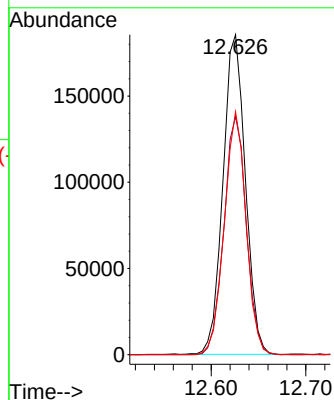
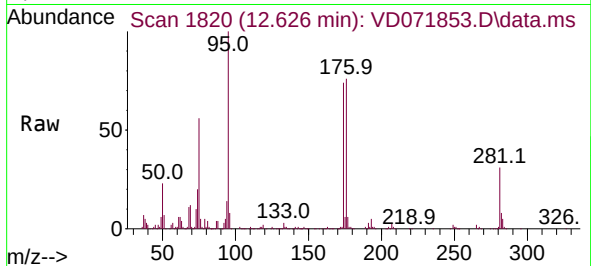




#62
4-Bromofluorobenzene
Concen: 48.079 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071853.D
Acq: 31 Jan 2022 18:54

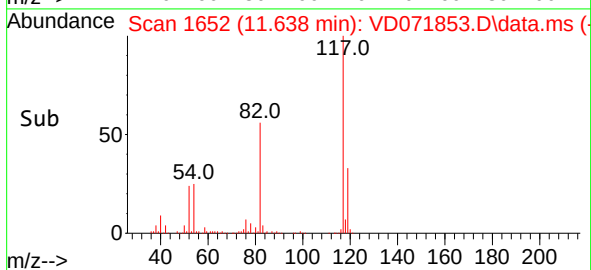
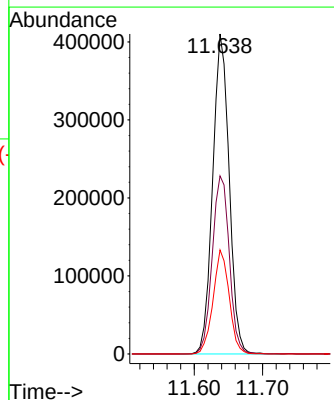
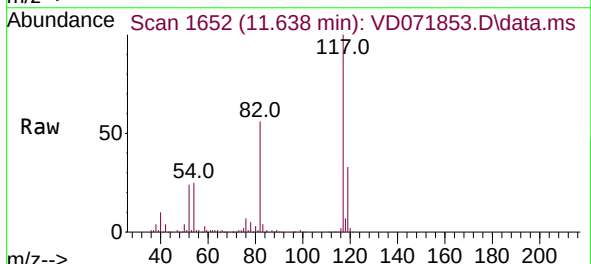
Instrument :
MSVOA_D
ClientSampleId :
MH-4S

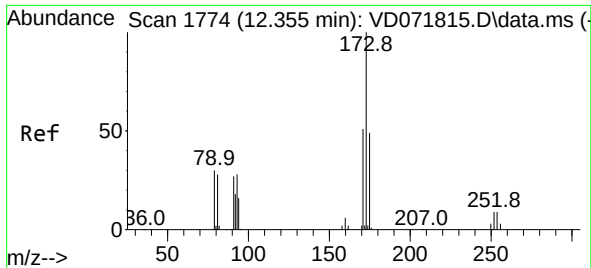
Tgt Ion: 95 Resp: 305253
Ion Ratio Lower Upper
95 100
174 74.3 0.0 152.8
176 73.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071853.D
Acq: 31 Jan 2022 18:54

Tgt Ion: 117 Resp: 690582
Ion Ratio Lower Upper
117 100
82 55.7 45.3 67.9
119 32.5 26.6 40.0

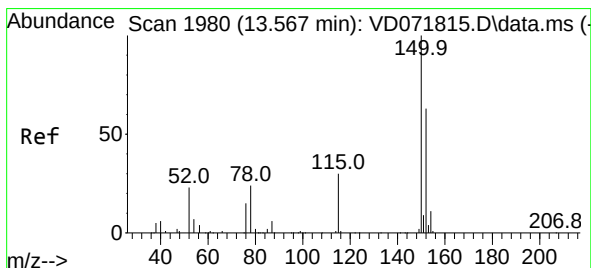
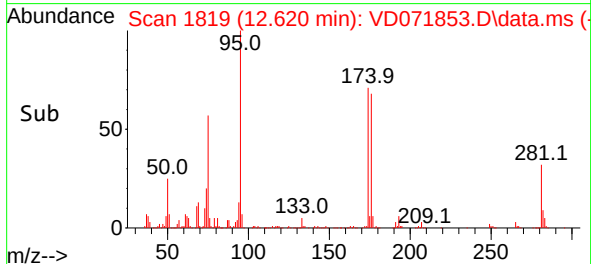
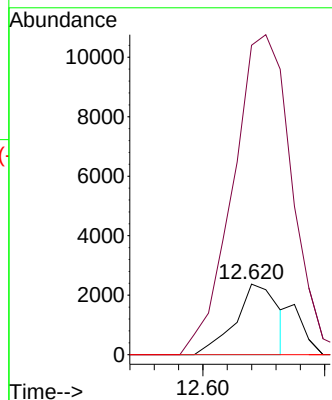
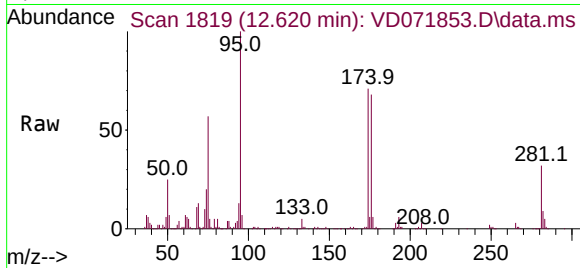




#71
Bromoform
Concen: 1.016 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071853.D
Acq: 31 Jan 2022 18:54

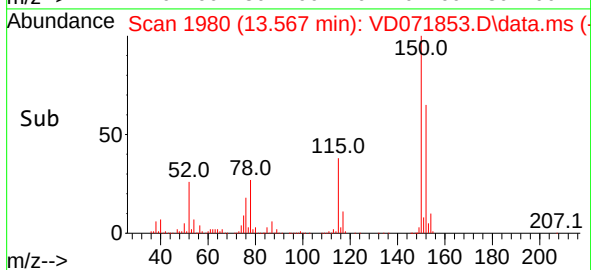
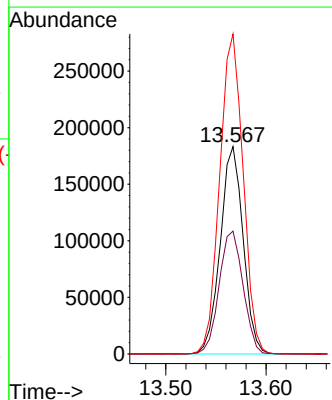
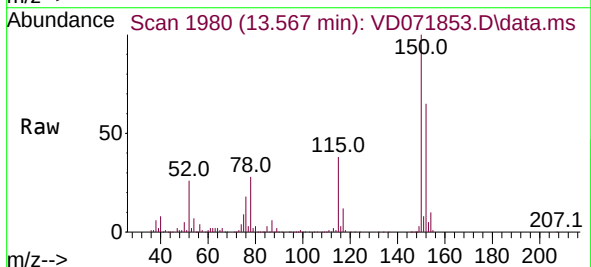
Instrument :
MSVOA_D
ClientSampleId :
MH-4S

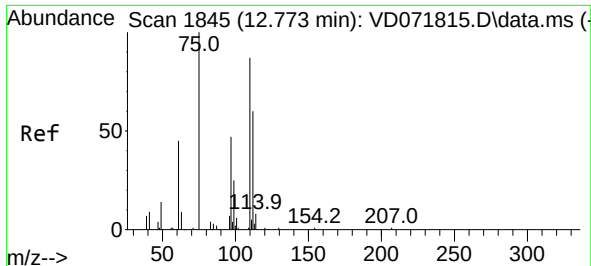
Tgt Ion:173 Resp: 2883
Ion Ratio Lower Upper
173 100
175 528.6 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071853.D
Acq: 31 Jan 2022 18:54

Tgt Ion:152 Resp: 290417
Ion Ratio Lower Upper
152 100
115 61.9 31.3 93.8
150 157.7 0.0 348.6

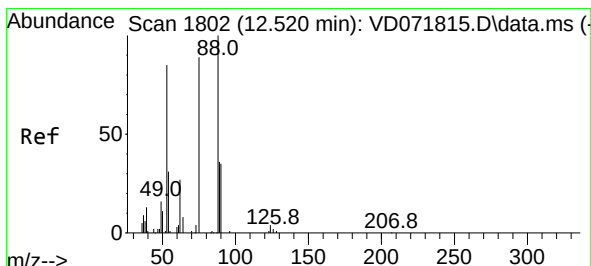
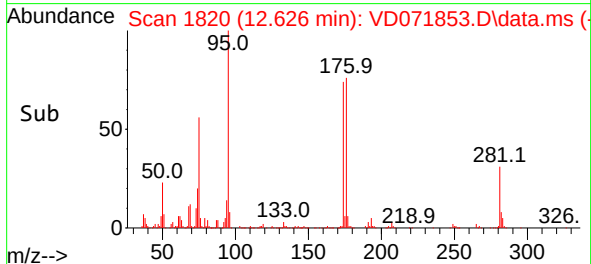
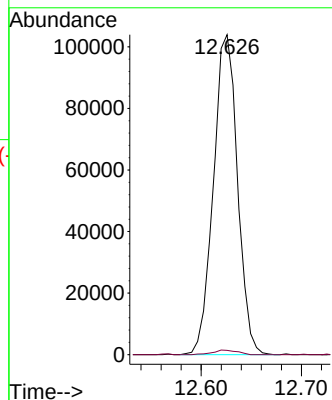
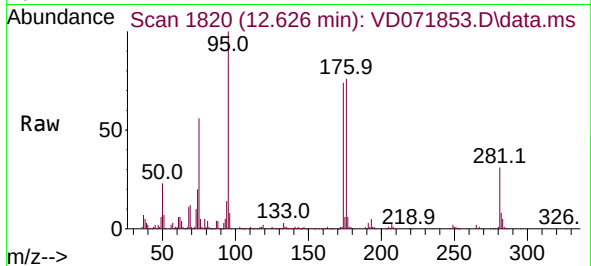




#76
1,2,3-Trichloropropane
Concen: 56.682 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071853.D
Acq: 31 Jan 2022 18:54

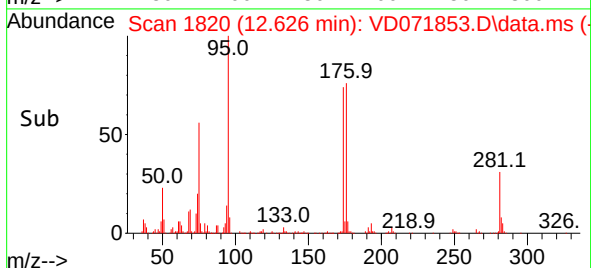
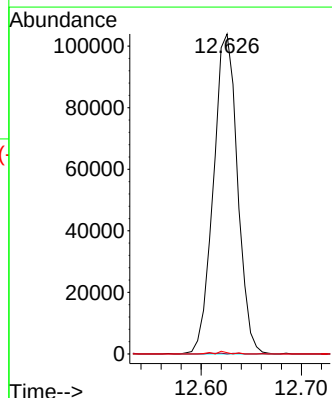
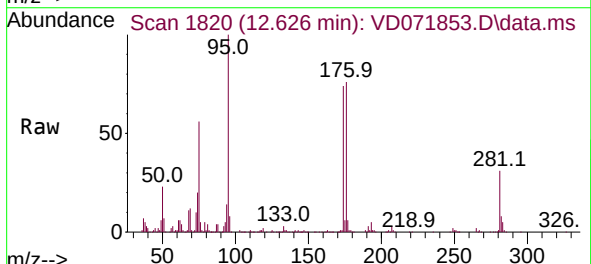
Instrument :
MSVOA_D
ClientSampleId :
MH-4S

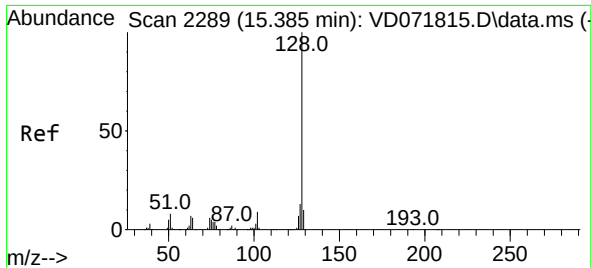
Tgt Ion: 75 Resp: 173482
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.367 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071853.D
Acq: 31 Jan 2022 18:54

Tgt Ion: 75 Resp: 173482
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.5 33.9 50.9#





#95

Naphthalene

Concen: 1.602 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD071853.D

Acq: 31 Jan 2022 18:54

Instrument :

MSVOA_D

ClientSampleId :

MH-4S

Tgt Ion:128 Resp: 1543

Ion Ratio Lower Upper

128 100

127 5.3 10.3 15.5#

129 9.3 8.4 12.6

