

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021422\
 Data File : VD071958.D
 Acq On : 14 Feb 2022 15:46
 Operator : VA/SY
 Sample : N1521-09
 Misc : 5.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2-B

Quant Time: Feb 15 00:36:33 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)

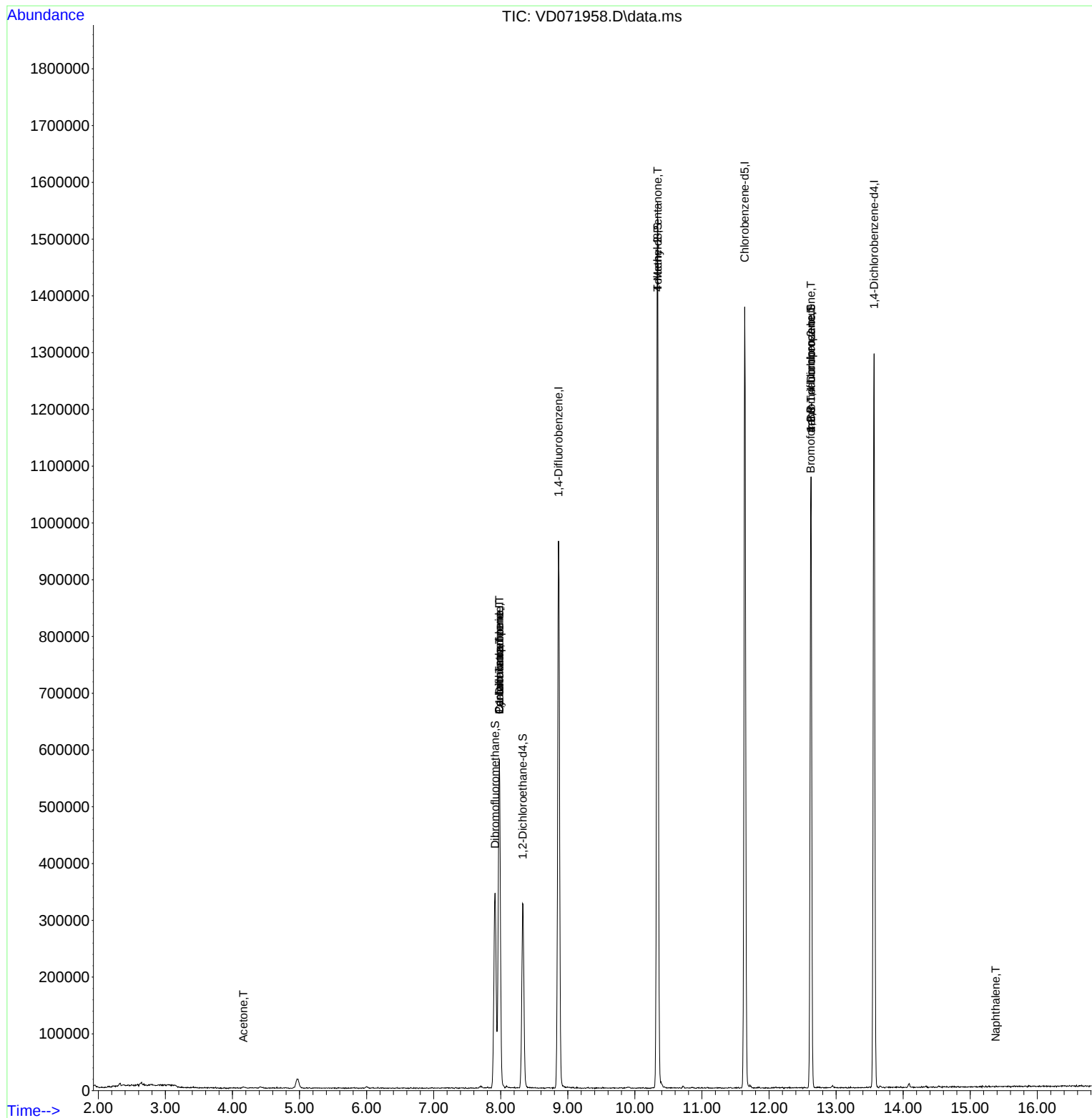
Internal Standards						
1) Pentafluorobenzene	7.979	168	394966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	767900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	732591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	318233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	256135	51.307	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.620%	
35) Dibromofluoromethane	7.914	113	247296	48.993	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.980%	
50) Toluene-d8	10.338	98	992749	52.662	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.320%	
62) 4-Bromofluorobenzene	12.626	95	319713	48.566	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.140%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.209	59	57	Below Cal	#	74
16) Acetone	4.162	43	3850	2.817	ug/l #	47
20) Methylene Chloride	4.962	84	11964	Below Cal	#	81
31) Cyclohexane	7.979	56	11568	1.214	ug/l #	13
36) 1,1-Dichloropropene	7.979	75	38987	4.500	ug/l #	51
38) Carbon Tetrachloride	7.979	117	44122	5.150	ug/l #	17
51) 4-Methyl-2-Pentanone	10.338	43	5611	1.481	ug/l #	1
71) Bromoform	12.620	173	3263	1.084	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	178593	53.251	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	178593	130.933	ug/l #	7
95) Naphthalene	15.379	128	277	1.478	ug/l #	70

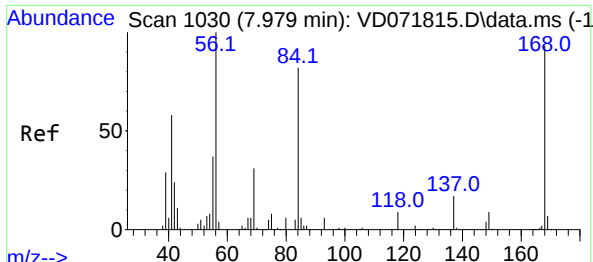
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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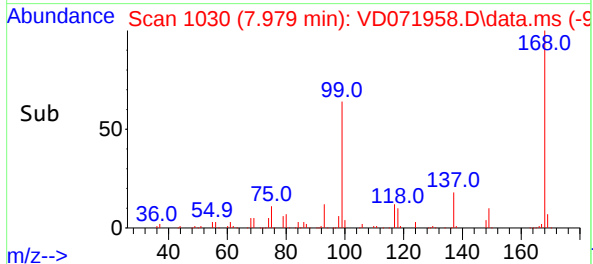
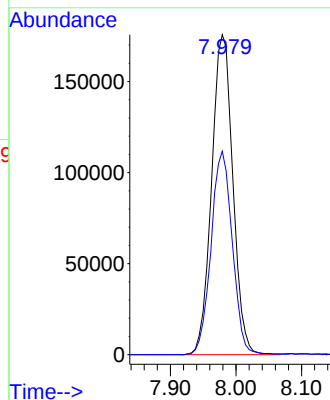
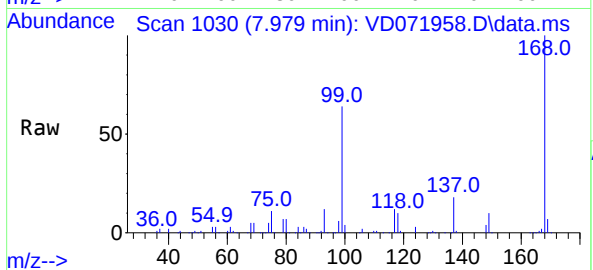




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

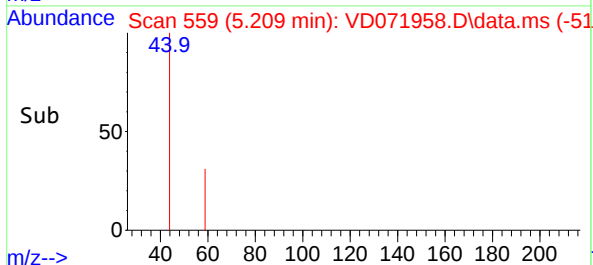
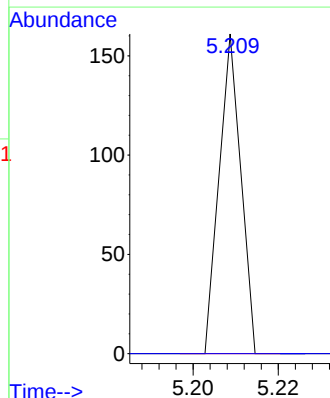
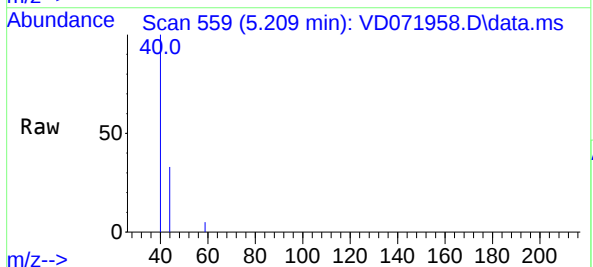
Instrument :
MSVOA_D
ClientSampleId :
TP2-B

Tgt Ion:168 Resp: 394966
Ion Ratio Lower Upper
168 100
99 63.6 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

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

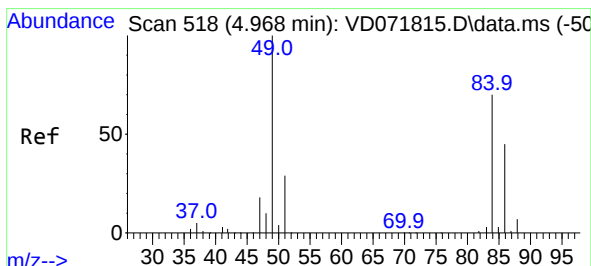
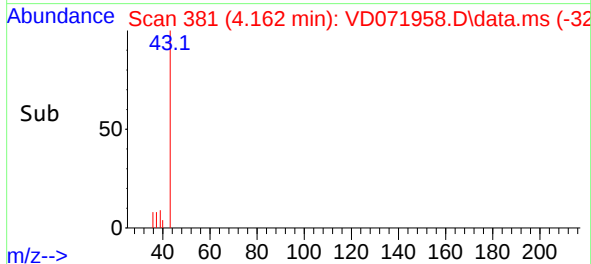
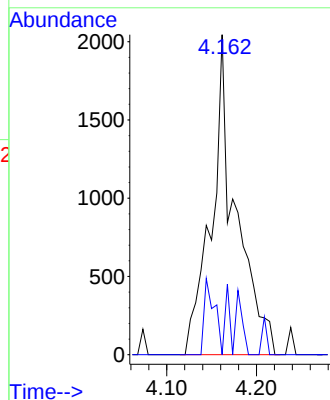
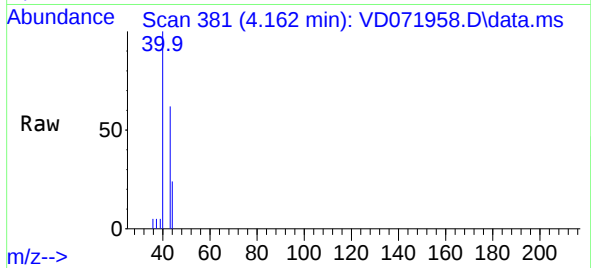




#16
Acetone
Concen: 2.817 ug/l
RT: 4.162 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

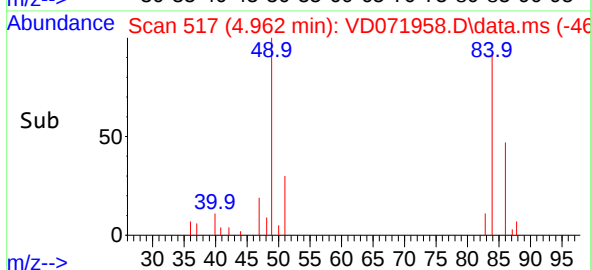
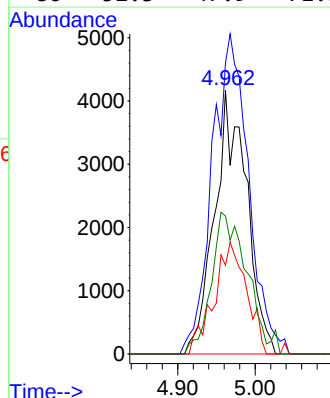
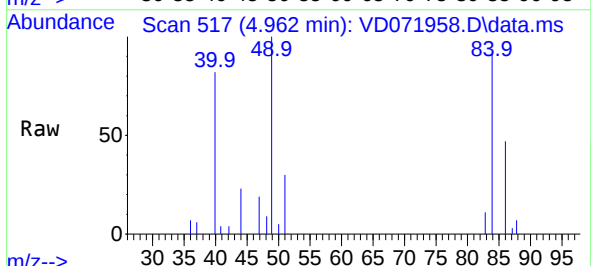
Instrument :
MSVOA_D
ClientSampleId :
TP2-B

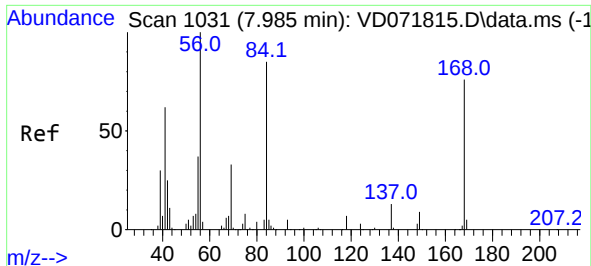
Tgt Ion: 43 Resp: 3850
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

Tgt Ion: 84 Resp: 11964
Ion Ratio Lower Upper
84 100
49 110.3 112.8 169.2#
51 33.6 32.6 48.8
86 52.3 47.9 71.9





#31

Cyclohexane

Concen: 1.214 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071958.D

Acq: 14 Feb 2022 15:46

Instrument :

MSVOA_D

ClientSampleId :

TP2-B

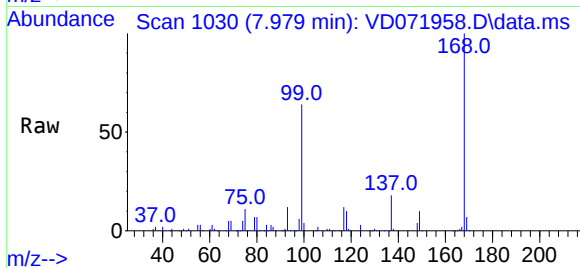
Tgt Ion: 56 Resp: 11568

Ion Ratio Lower Upper

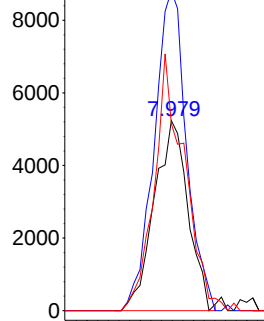
56 100

69 168.3 25.4 38.2#

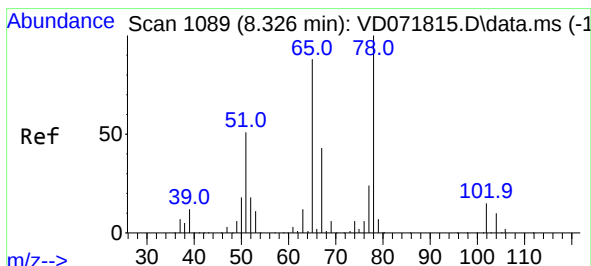
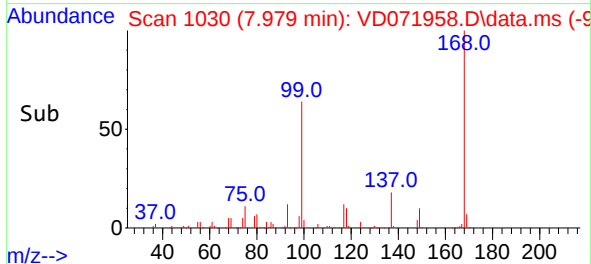
84 98.3 63.0 94.4#



Abundance



Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.307 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071958.D

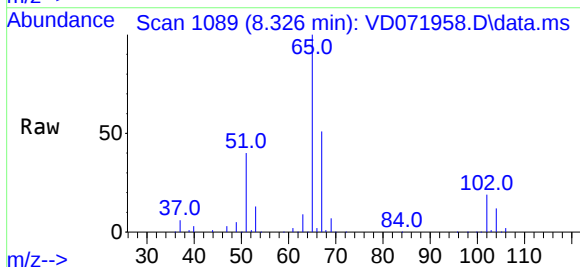
Acq: 14 Feb 2022 15:46

Tgt Ion: 65 Resp: 256135

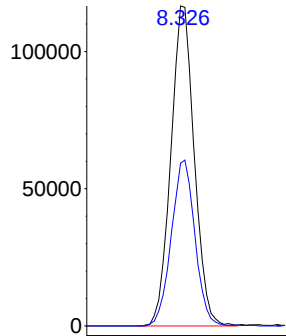
Ion Ratio Lower Upper

65 100

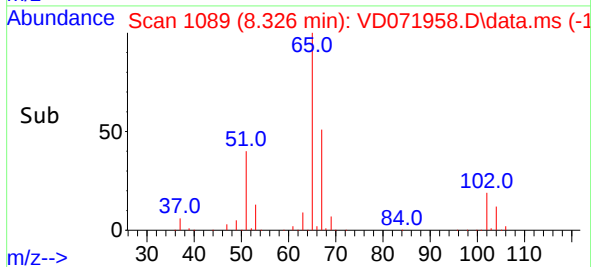
67 52.2 0.0 101.4

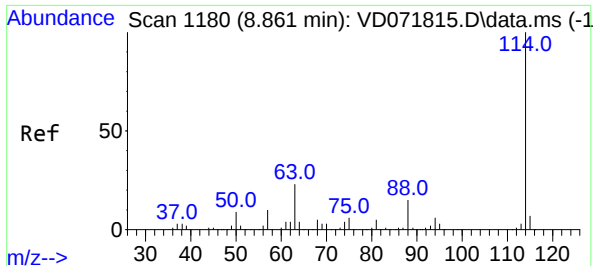


Abundance



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD071958.D

Acq: 14 Feb 2022 15:46

Instrument :

MSVOA_D

ClientSampleId :

TP2-B

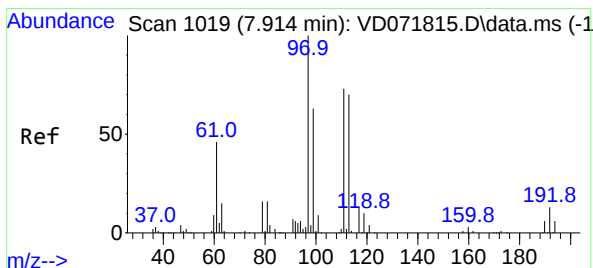
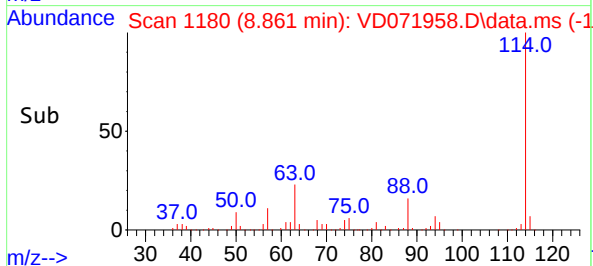
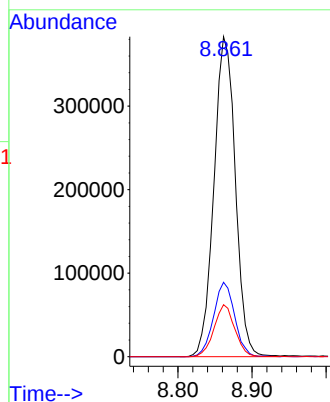
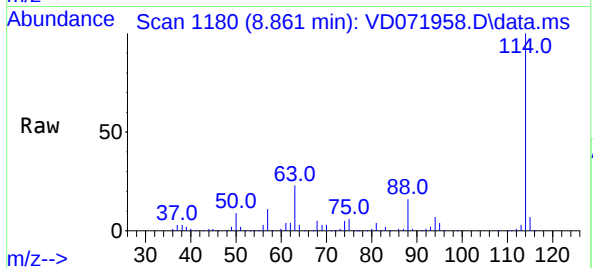
Tgt Ion:114 Resp: 767900

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.6

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.993 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071958.D

Acq: 14 Feb 2022 15:46

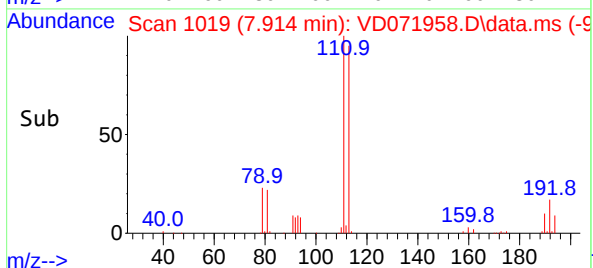
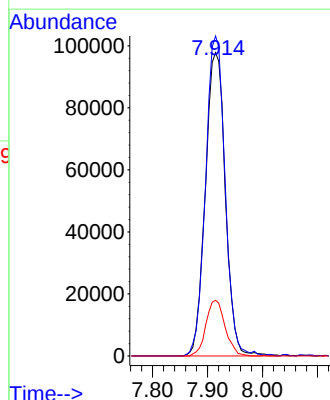
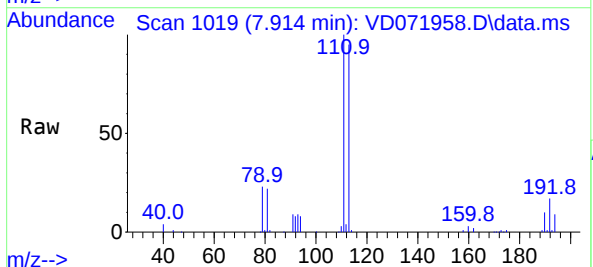
Tgt Ion:113 Resp: 247296

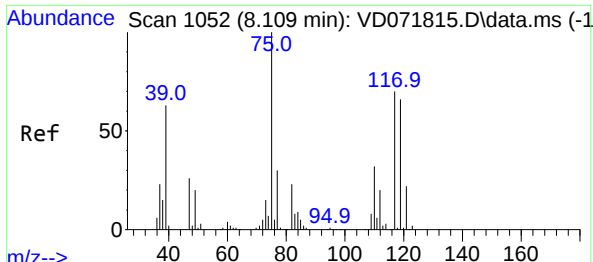
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 17.6 14.6 21.8

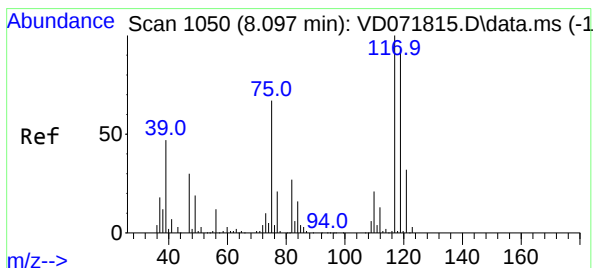
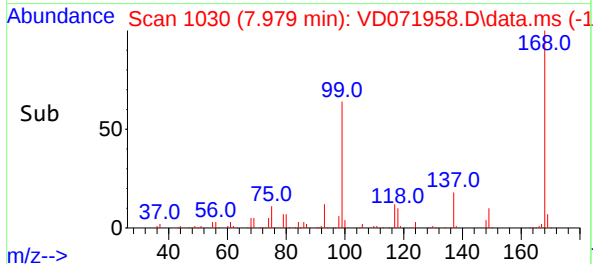
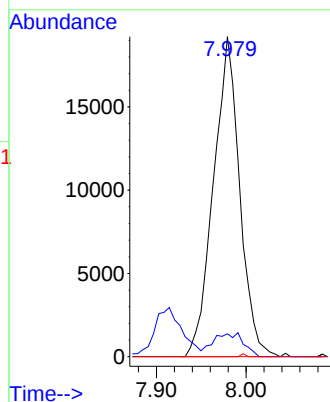
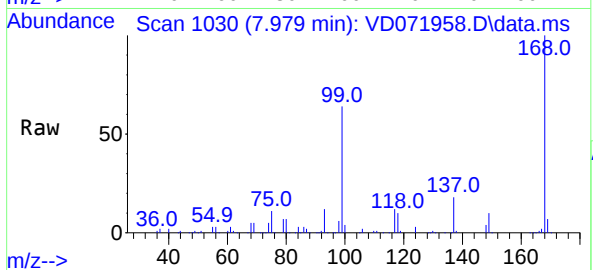




#36
1,1-Dichloropropene
Concen: 4.500 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

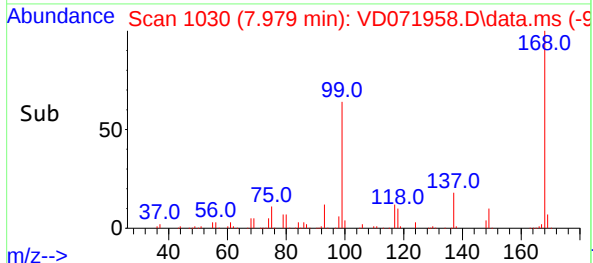
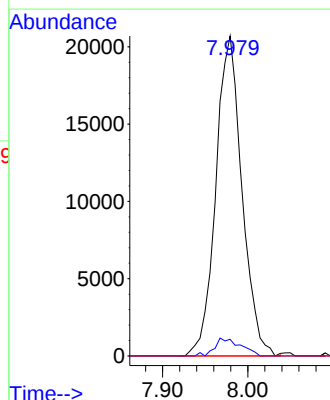
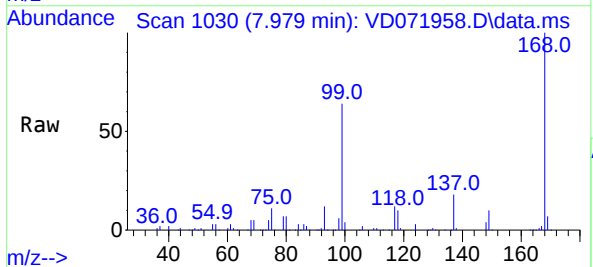
Instrument :
MSVOA_D
ClientSampleId :
TP2-B

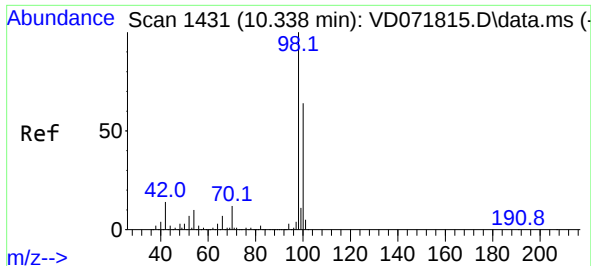
Tgt Ion: 75 Resp: 38987
Ion Ratio Lower Upper
75 100
110 8.5 16.4 49.1#
77 0.2 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.150 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

Tgt Ion: 117 Resp: 44122
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.5 36.7#

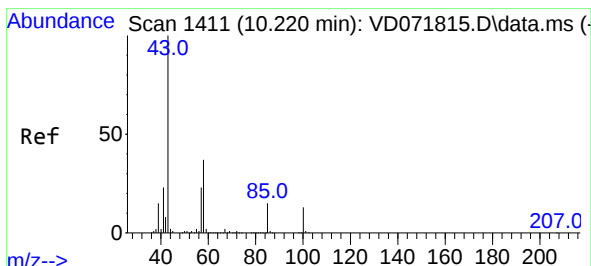
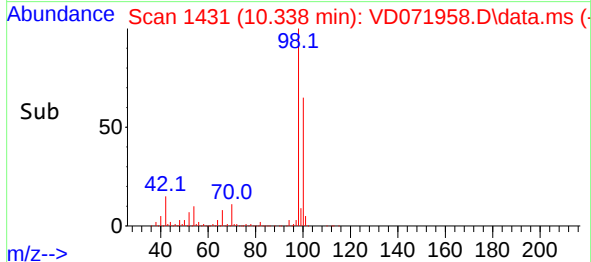
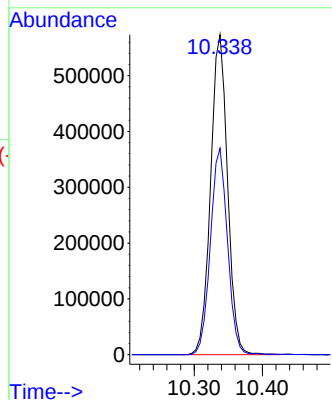
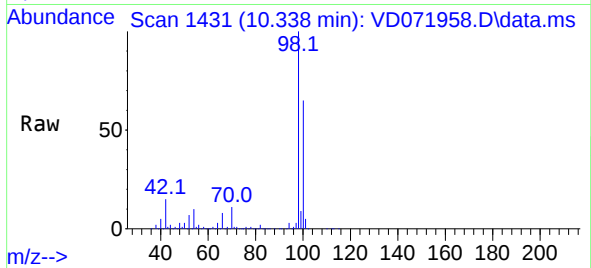




#50
Toluene-d8
Concen: 52.662 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

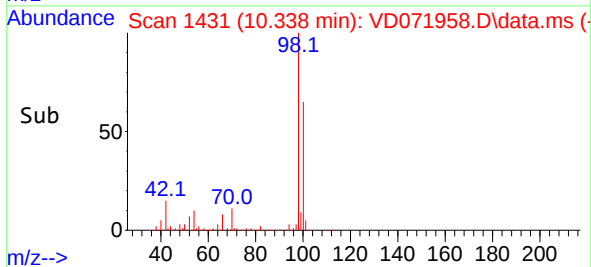
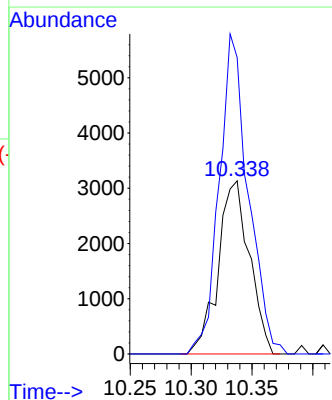
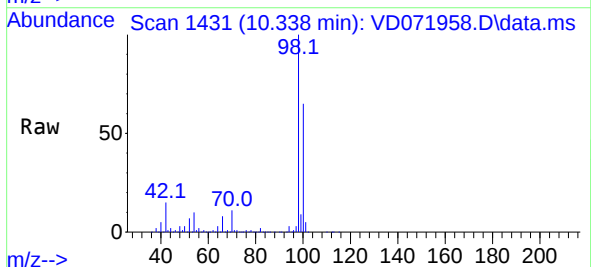
Instrument :
MSVOA_D
ClientSampleId :
TP2-B

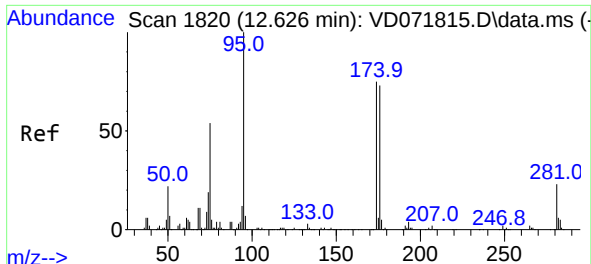
Tgt Ion: 98 Resp: 992749
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.481 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

Tgt Ion: 43 Resp: 5611
Ion Ratio Lower Upper
43 100
58 171.4 28.6 43.0#

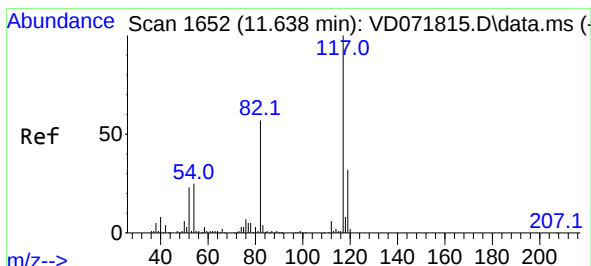
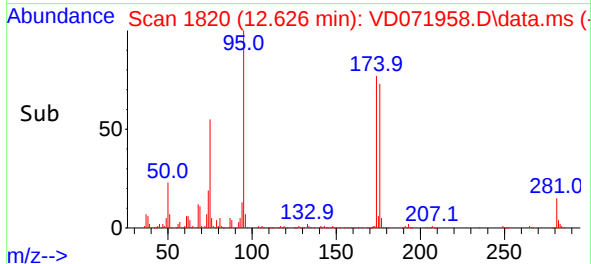
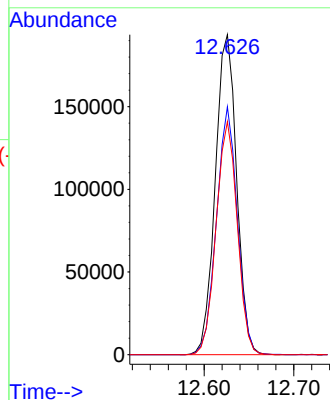
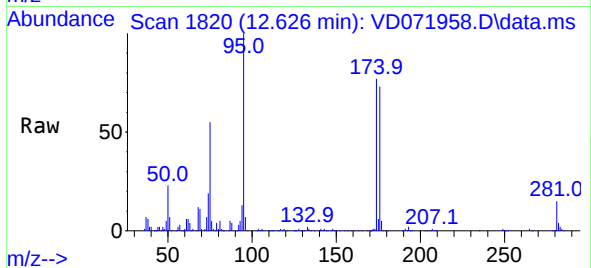




#62
4-Bromofluorobenzene
Concen: 48.566 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

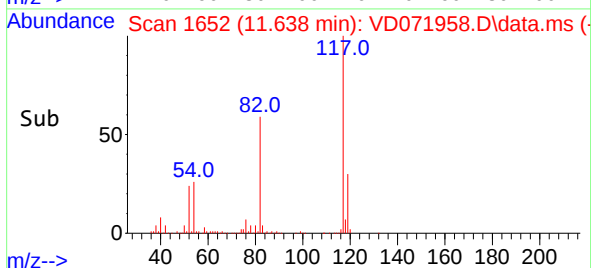
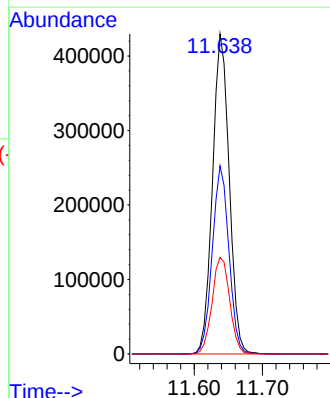
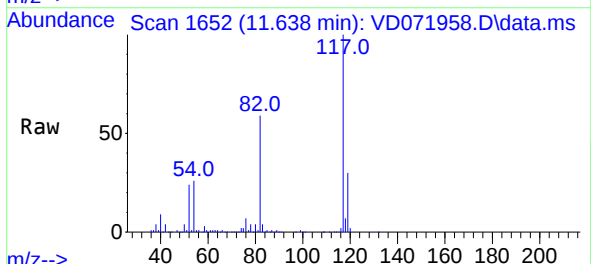
Instrument :
MSVOA_D
ClientSampleId :
TP2-B

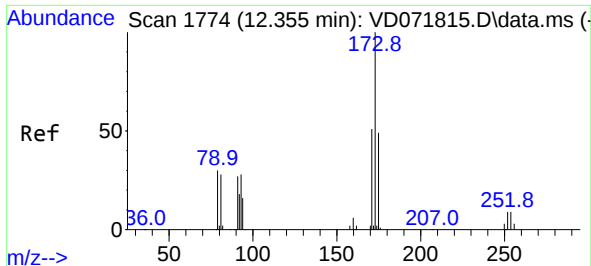
Tgt Ion: 95 Resp: 319713
Ion Ratio Lower Upper
95 100
174 75.8 0.0 152.8
176 72.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

Tgt Ion: 117 Resp: 732591
Ion Ratio Lower Upper
117 100
82 58.7 45.3 67.9
119 30.2 26.6 40.0

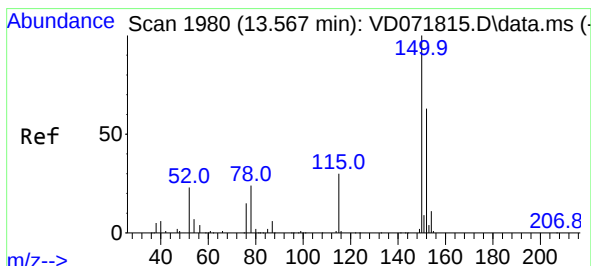
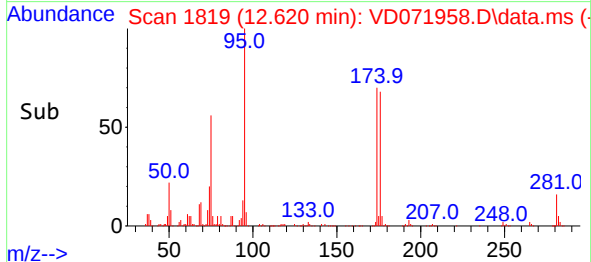
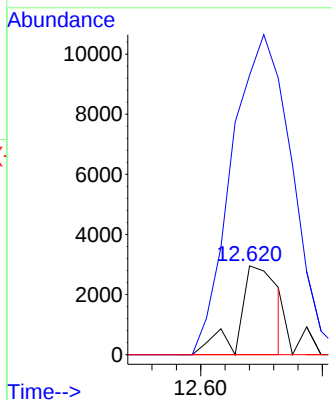
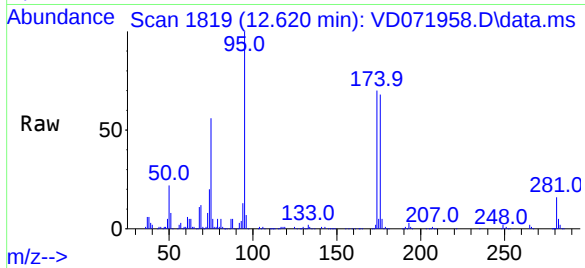




#71
Bromoform
Concen: 1.084 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

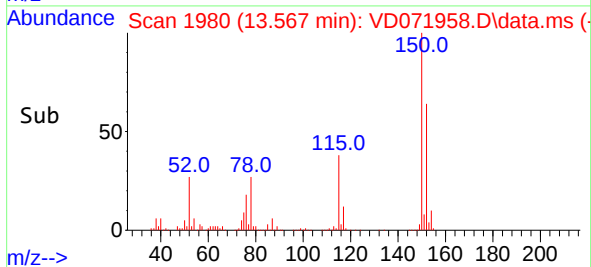
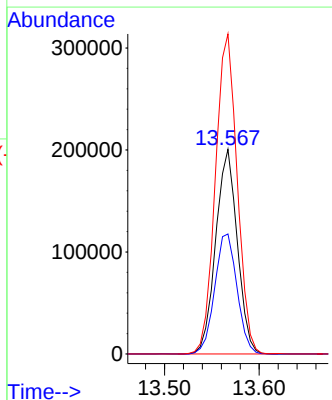
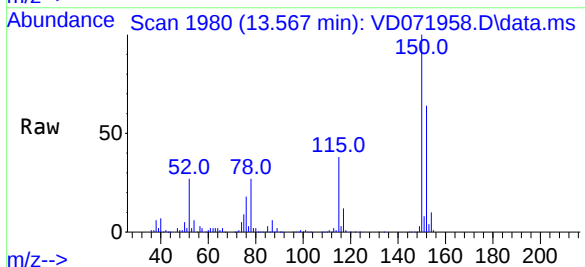
Instrument :
MSVOA_D
ClientSampleId :
TP2-B

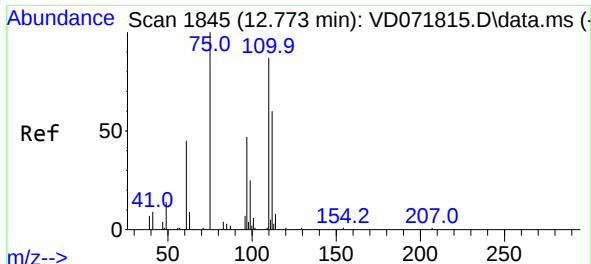
Tgt Ion:173 Resp: 3263
Ion Ratio Lower Upper
173 100
175 450.9 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

Tgt Ion:152 Resp: 318233
Ion Ratio Lower Upper
152 100
115 60.6 31.3 93.8
150 157.8 0.0 348.6

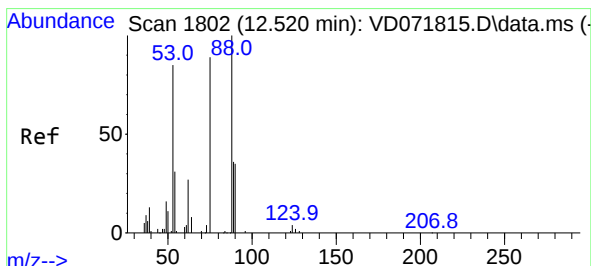
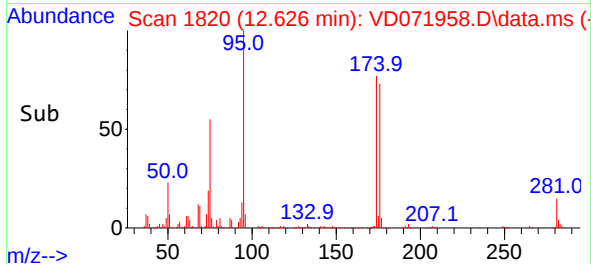
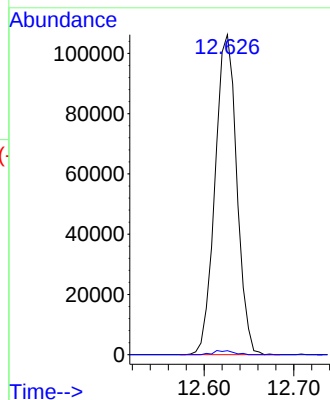
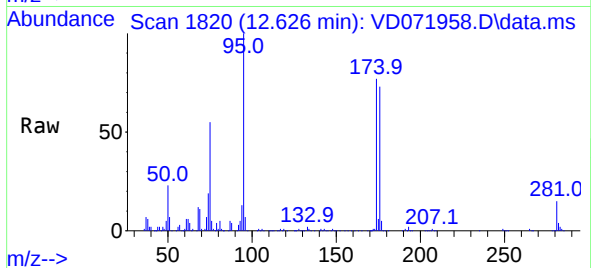




#76
1,2,3-Trichloropropane
Concen: 53.251 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

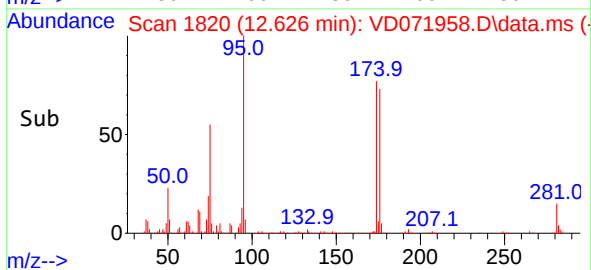
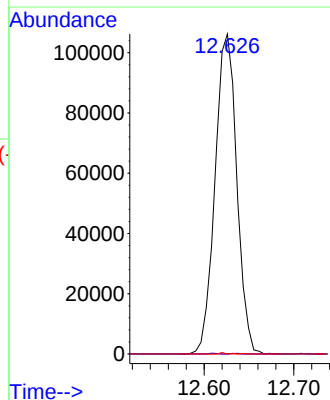
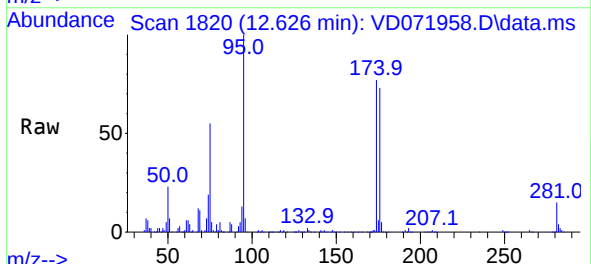
Instrument :
MSVOA_D
ClientSampleId :
TP2-B

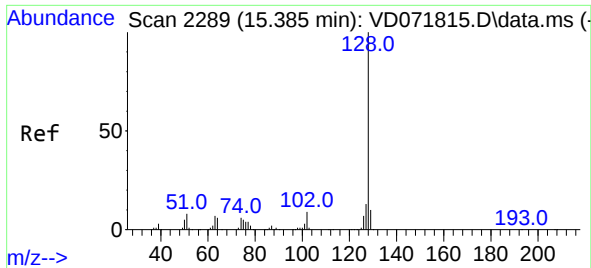
Tgt Ion: 75 Resp: 178593
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.933 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071958.D
Acq: 14 Feb 2022 15:46

Tgt Ion: 75 Resp: 178593
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.2 33.9 50.9#





#95

Naphthalene

Concen: 1.478 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD071958.D

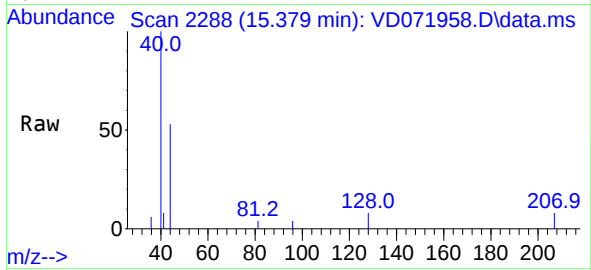
Acq: 14 Feb 2022 15:46

Instrument :

MSVOA_D

ClientSampleId :

TP2-B



Tgt Ion:128 Resp: 277

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.4 12.6#

