

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011322\
 Data File : VD071718.D
 Acq On : 13 Jan 2022 19:09
 Operator : VA/SY
 Sample : N1136-04
 Misc : 5.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6D

Quant Time: Jan 14 04:07:29 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)

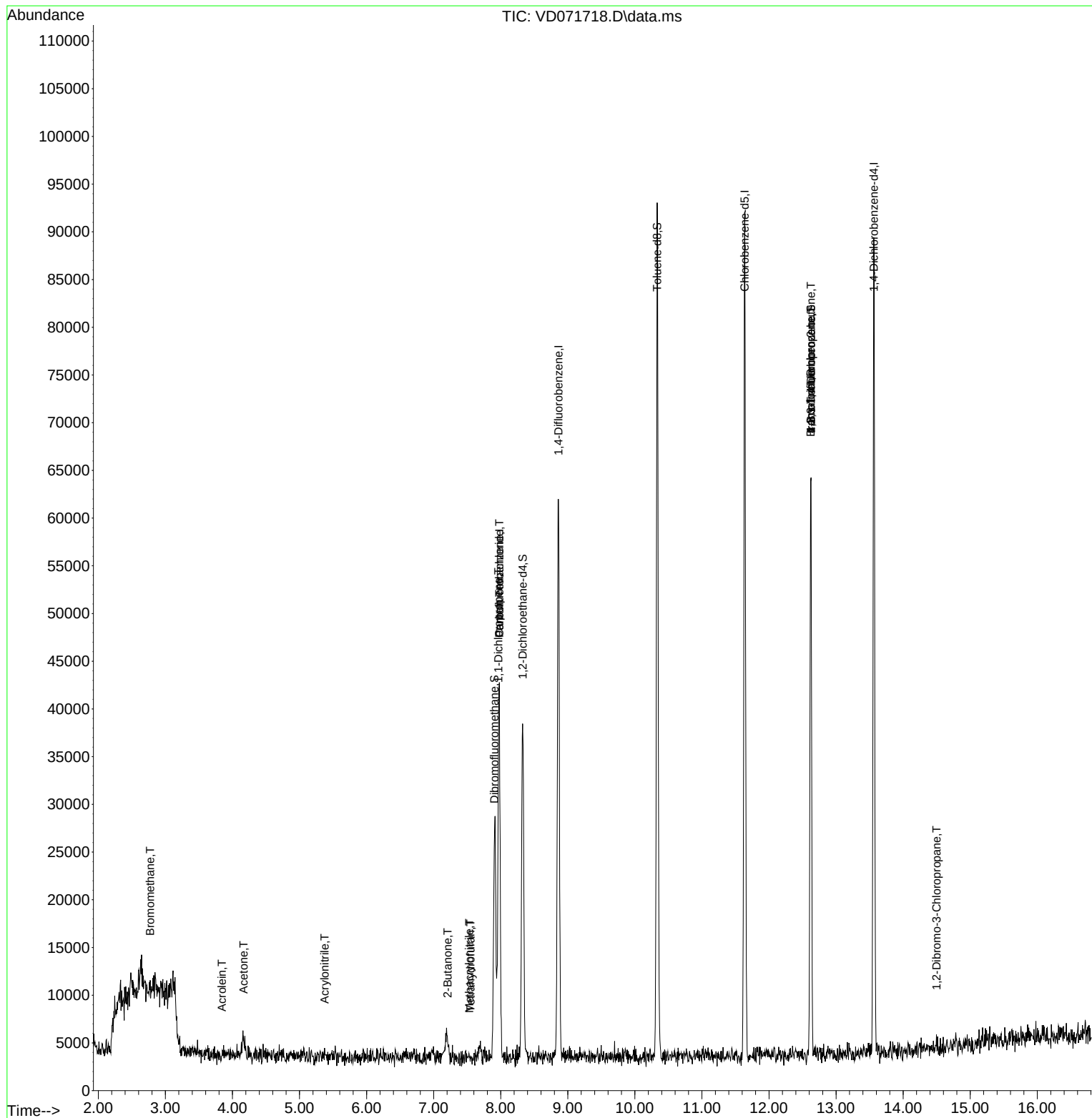
Internal Standards						
1) Pentafluorobenzene	7.979	168	26423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	46145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	45443	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	20336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	27661	81.359	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 162.720%	
35) Dibromofluoromethane	7.903	113	18169	59.578	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.160%	
50) Toluene-d8	10.332	98	56067	49.114	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.220%	
62) 4-Bromofluorobenzene	12.626	95	19359	48.126	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	193	Below Cal	#	43
5) Bromomethane	2.773	94	760	2.806	ug/l #	26
11) Tert butyl alcohol	5.215	59	72	Below Cal	#	75
13) Acrolein	3.844	56	138	4.159	ug/l #	61
15) Acrylonitrile	5.373	53	159	2.456	ug/l #	17
16) Acetone	4.168	43	3579	45.595	ug/l #	87
25) 2-Butanone	7.209	43	414	4.464	ug/l #	56
29) Tetrahydrofuran	7.550	42	98	1.837	ug/l #	39
36) 1,1-Dichloropropene	7.967	75	2841	6.531	ug/l #	48
38) Carbon Tetrachloride	7.979	117	2868	6.510	ug/l #	14
41) Methacrylonitrile	7.532	41	67	1.656	ug/l #	1
71) Bromoform	12.620	173	231	1.435	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	12041	61.277	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	12041	170.832	ug/l #	3
92) 1,2-Dibromo-3-Chloropr...	14.496	75	54	1.297	ug/l #	9

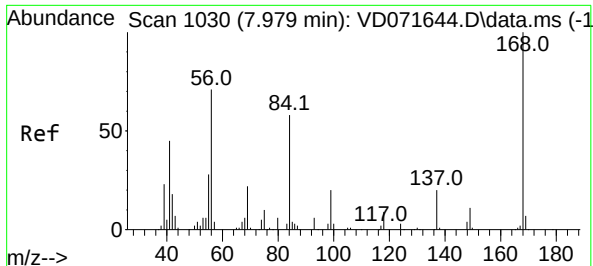
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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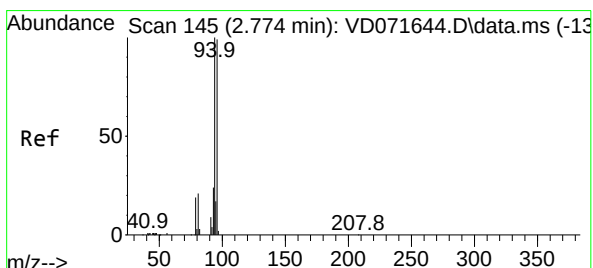
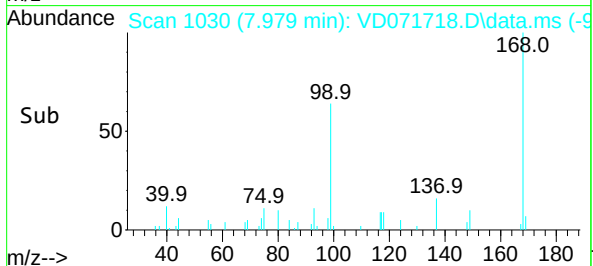
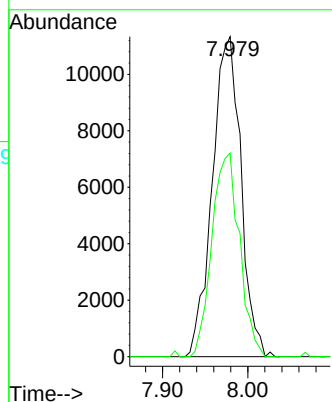
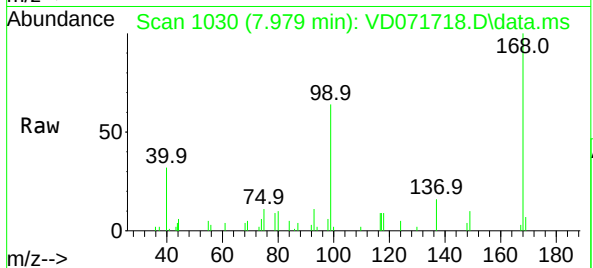




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

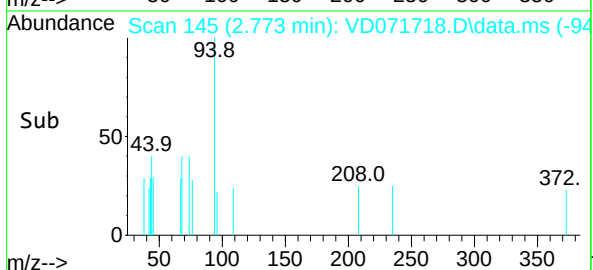
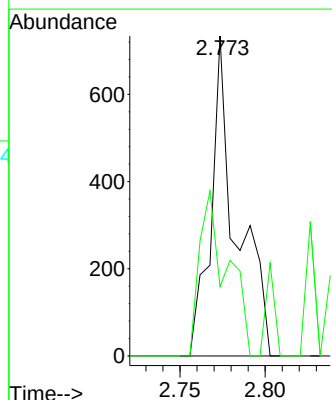
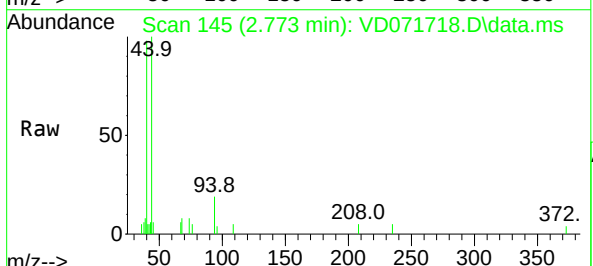
Instrument :
MSVOA_D
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TP-6D

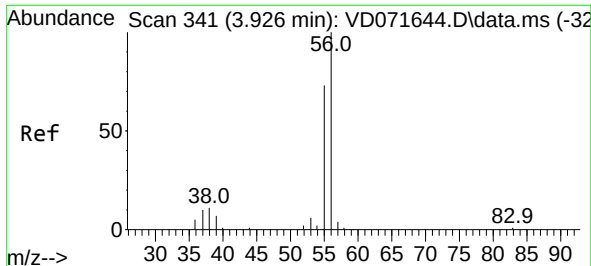
Tgt Ion:168 Resp: 26423
Ion Ratio Lower Upper
168 100
99 63.7 51.8 77.6



#5
Bromomethane
Concen: 2.806 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.000 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

Tgt Ion: 94 Resp: 760
Ion Ratio Lower Upper
94 100
96 21.7 73.7 110.5#

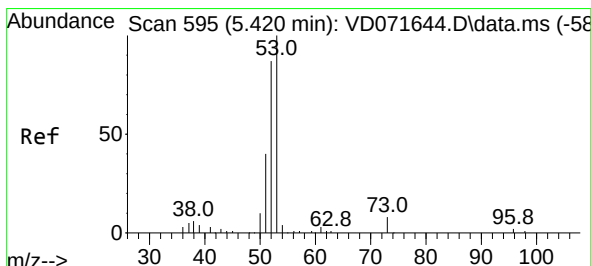
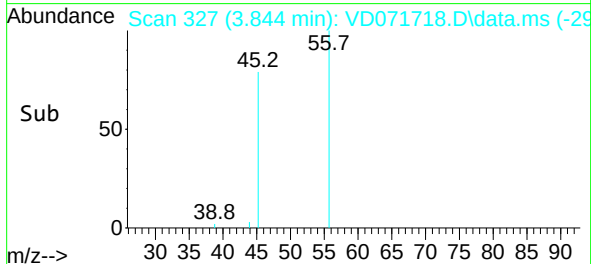
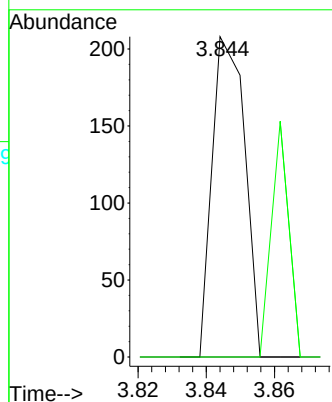
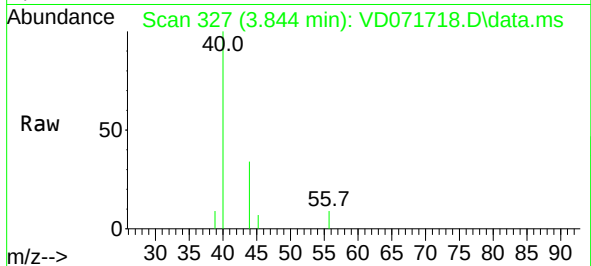




#13
Acrolein
Concen: 4.159 ug/l
RT: 3.844 min Scan# 31
Delta R.T. -0.082 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

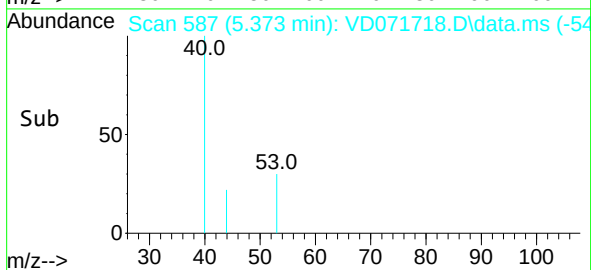
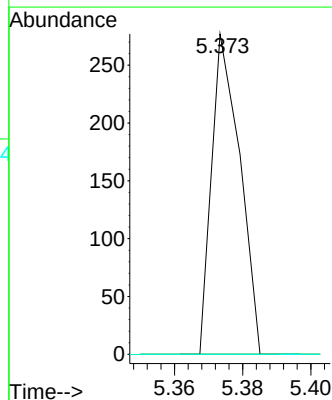
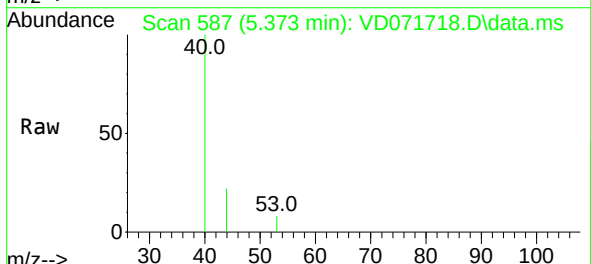
Instrument :
MSVOA_D
ClientSampleId :
TP-6D

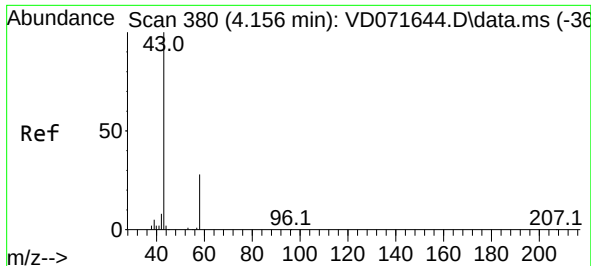
Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 39.1 56.9 85.3#



#15
Acrylonitrile
Concen: 2.456 ug/l
RT: 5.373 min Scan# 587
Delta R.T. -0.047 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

Tgt Ion: 53 Resp: 159
Ion Ratio Lower Upper
53 100
52 0.0 65.6 98.4#
51 0.0 31.2 46.8#

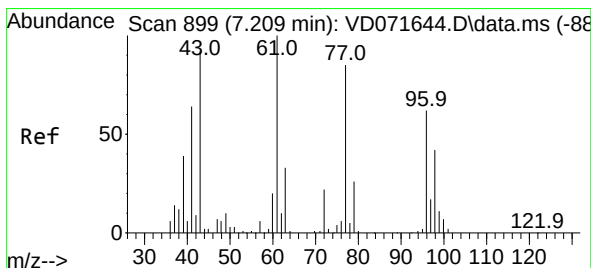
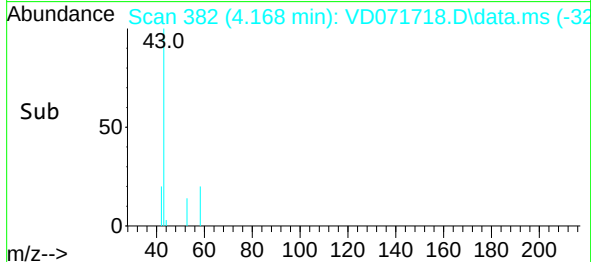
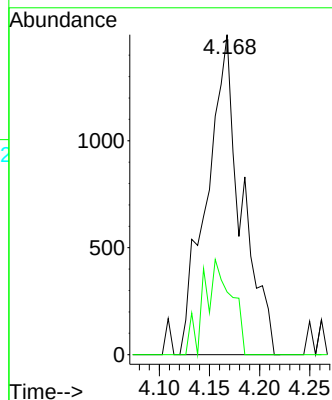
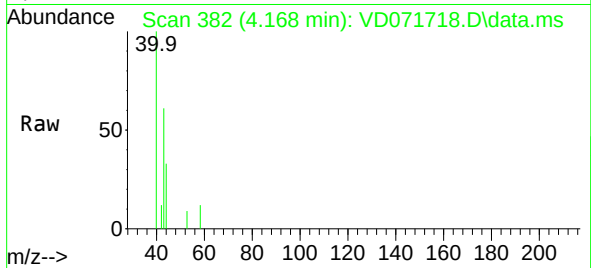




#16
Acetone
Concen: 45.595 ug/l
RT: 4.168 min Scan# 380
Delta R.T. 0.013 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

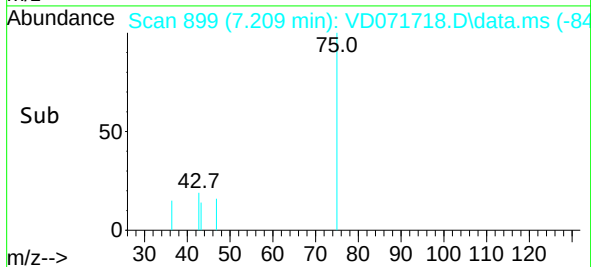
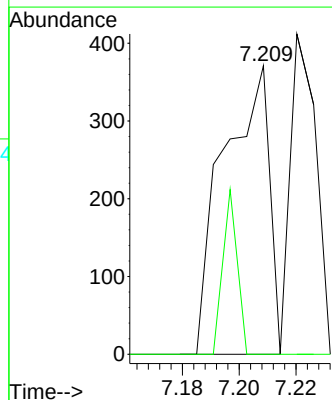
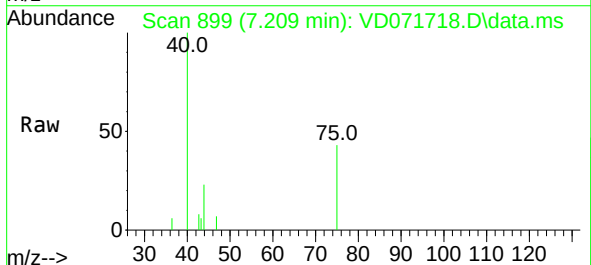
Instrument :
MSVOA_D
ClientSampleId :
TP-6D

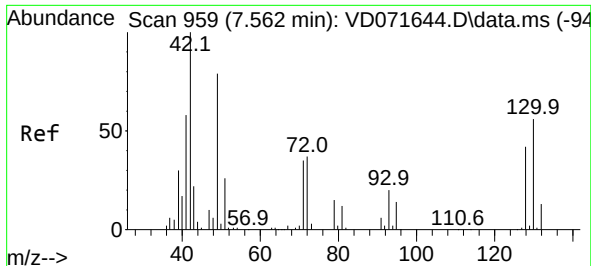
Tgt Ion: 43 Resp: 3579
Ion Ratio Lower Upper
43 100
58 19.6 21.0 31.6#



#25
2-Butanone
Concen: 4.464 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.001 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

Tgt Ion: 43 Resp: 414
Ion Ratio Lower Upper
43 100
72 0.0 16.4 24.6#





#29

Tetrahydrofuran

Concen: 1.837 ug/l

RT: 7.550 min Scan# 91

Delta R.T. -0.011 min

Lab File: VD071718.D

Acq: 13 Jan 2022 19:09

Instrument :

MSVOA_D

ClientSampleId :

TP-6D

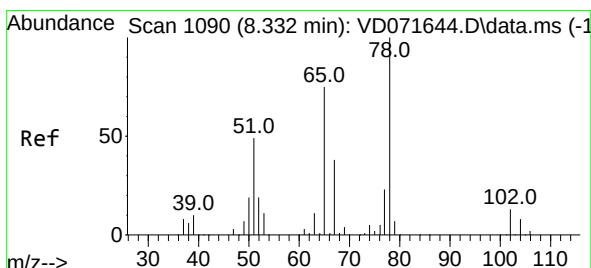
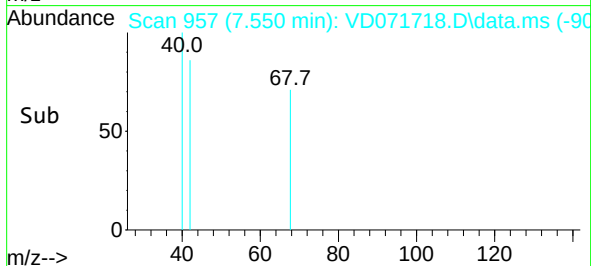
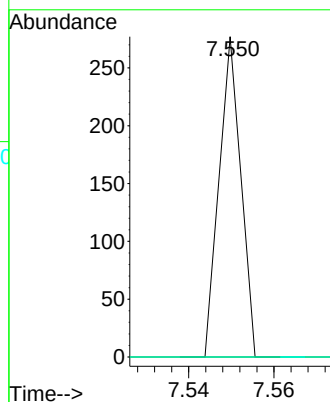
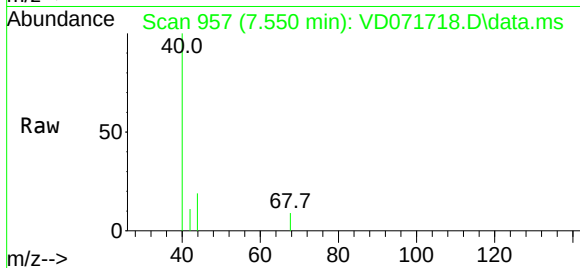
Tgt Ion: 42 Resp: 98

Ion Ratio Lower Upper

42 100

72 0.0 29.6 44.4#

71 0.0 27.3 40.9#



#33

1,2-Dichloroethane-d4

Concen: 81.359 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD071718.D

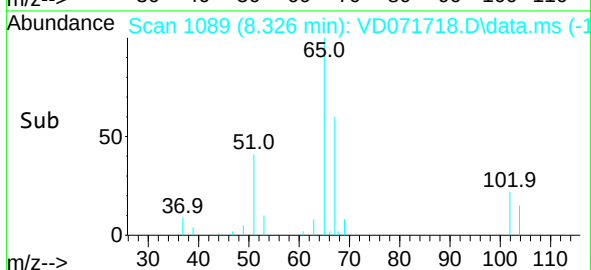
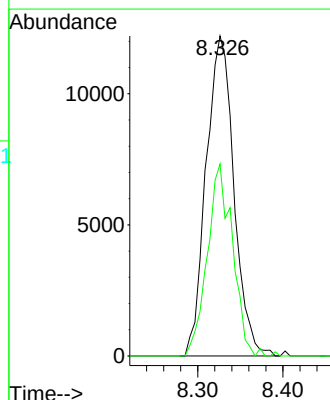
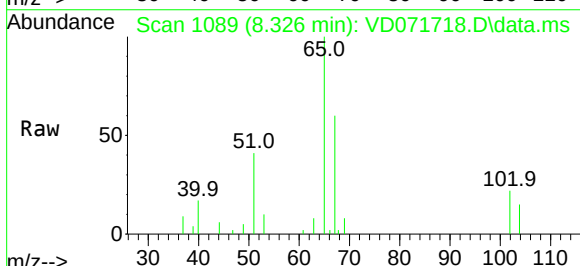
Acq: 13 Jan 2022 19:09

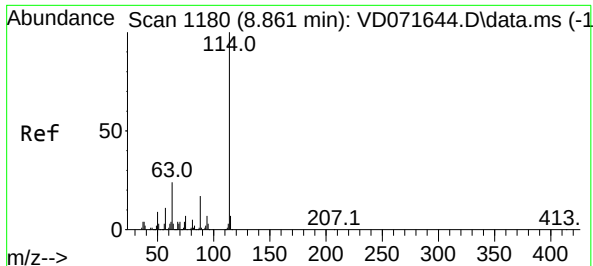
Tgt Ion: 65 Resp: 27661

Ion Ratio Lower Upper

65 100

67 54.2 0.0 101.2

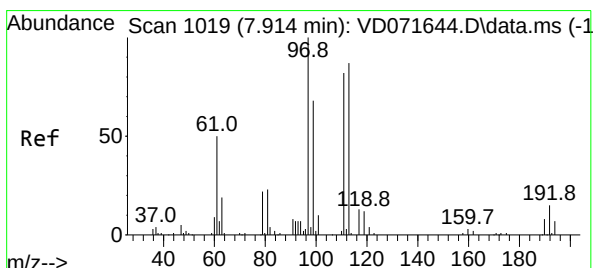
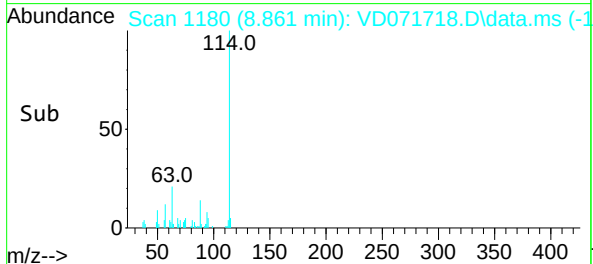
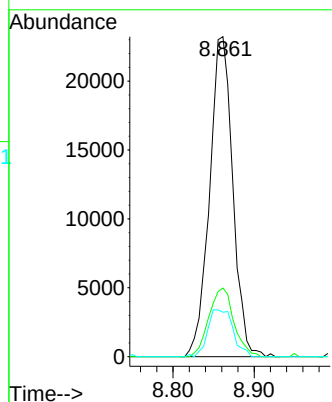
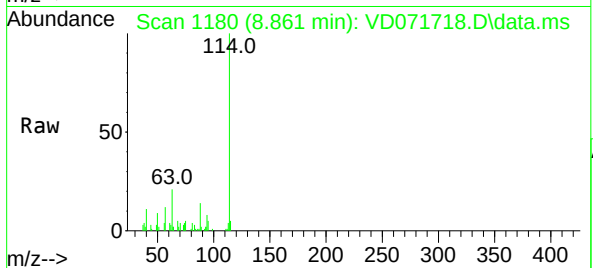




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

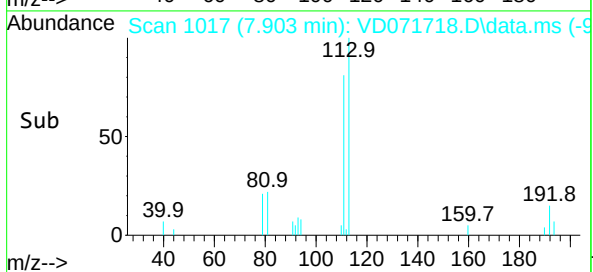
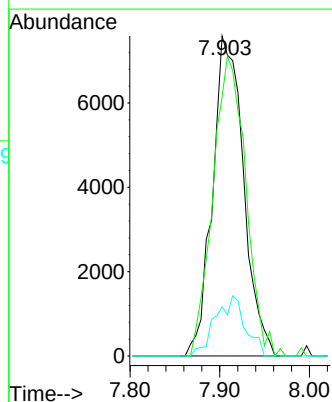
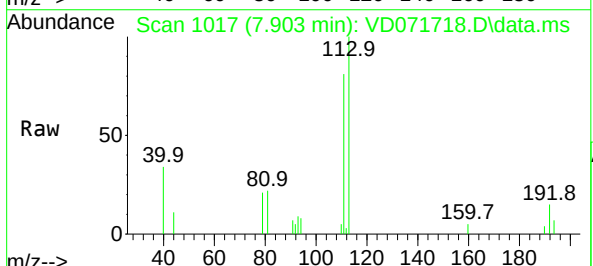
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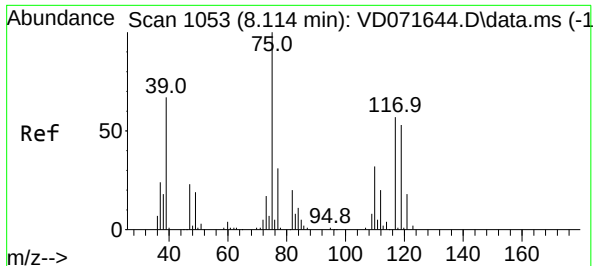
Tgt Ion:	114	Resp:	46145
Ion Ratio	Lower	Upper	
114	100		
63	21.5	0.0	46.2
88	13.9	0.0	32.0



#35
Dibromofluoromethane
Concen: 59.578 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.011 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

Tgt Ion:	113	Resp:	18169
Ion Ratio	Lower	Upper	
113	100		
111	99.3	82.2	123.4
192	18.2	14.2	21.2





#36

1,1-Dichloropropene

Concen: 6.531 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.147 min

Lab File: VD071718.D

Acq: 13 Jan 2022 19:09

Instrument :

MSVOA_D

ClientSampleId :

TP-6D

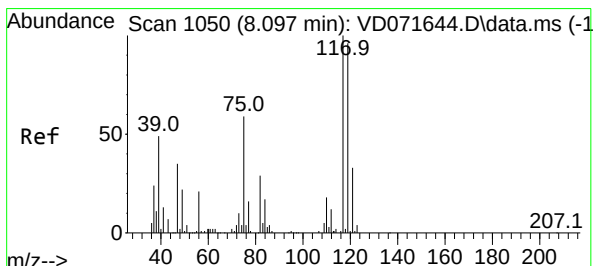
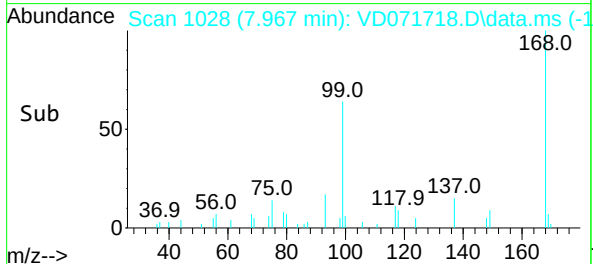
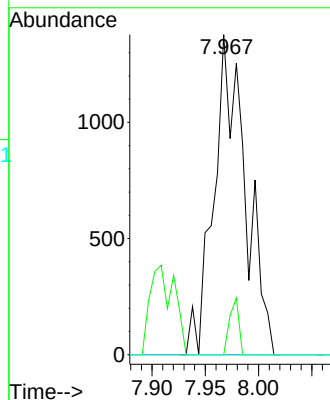
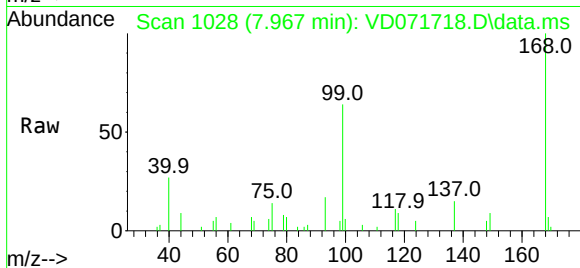
Tgt Ion: 75 Resp: 2841

Ion Ratio Lower Upper

75 100

110 5.1 16.0 48.0#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.510 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.117 min

Lab File: VD071718.D

Acq: 13 Jan 2022 19:09

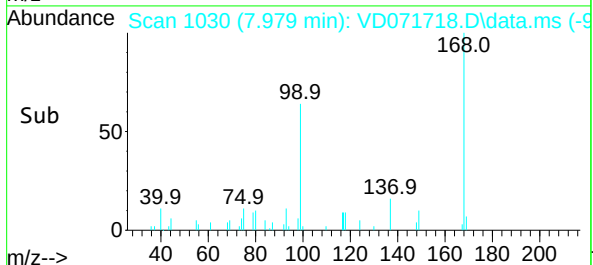
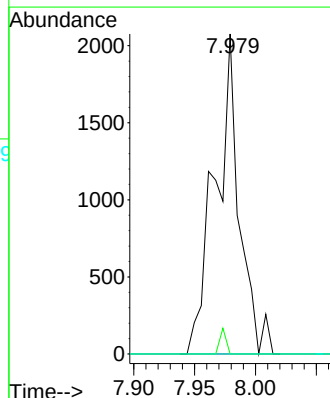
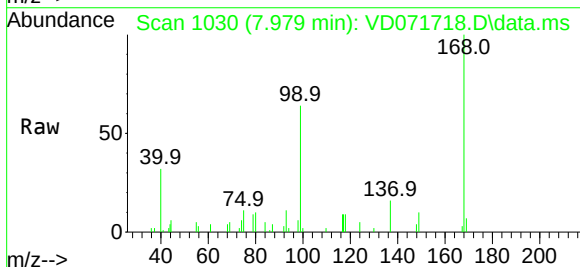
Tgt Ion: 117 Resp: 2868

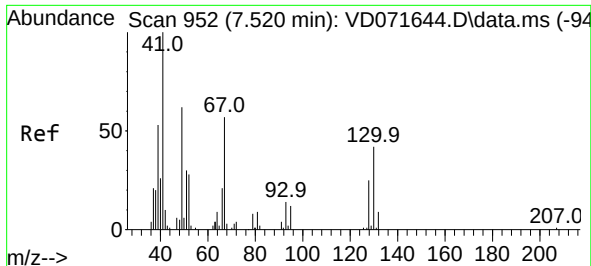
Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

121 0.0 23.9 35.9#

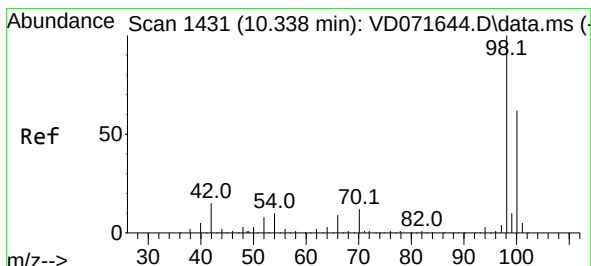
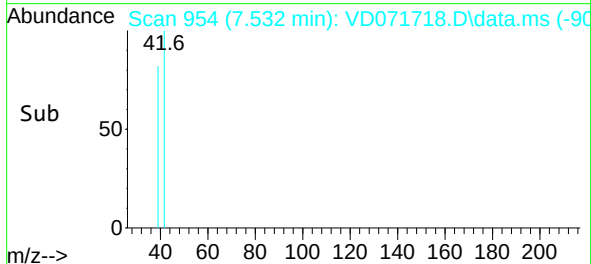
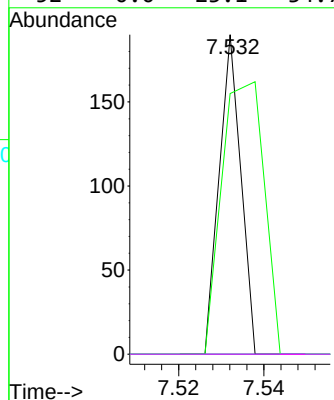
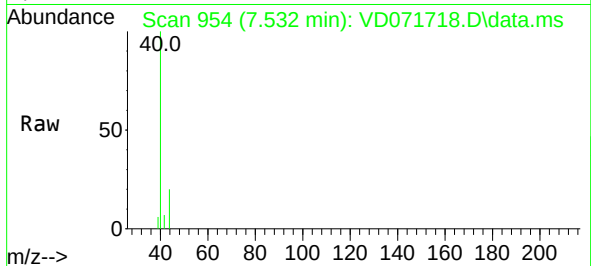




#41
Methacrylonitrile
Concen: 1.656 ug/l
RT: 7.532 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

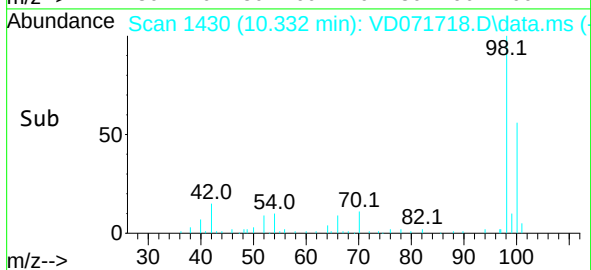
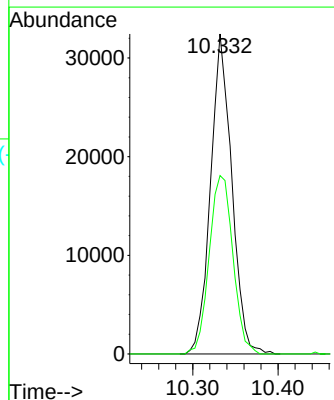
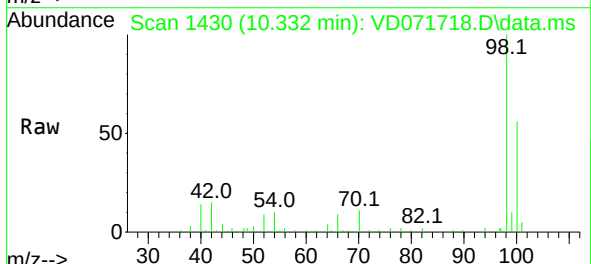
Instrument :
MSVOA_D
ClientSampleId :
TP-6D

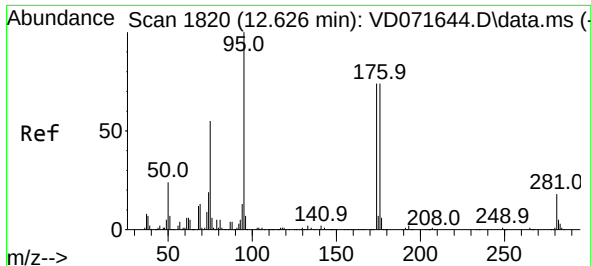
Tgt Ion: 41	Resp: 67
Ion Ratio	Lower Upper
41 100	
39 167.2	46.9 70.3#
67 0.0	49.3 73.9#
52 0.0	23.1 34.7#



#50
Toluene-d8
Concen: 49.114 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.005 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

Tgt Ion: 98	Resp: 56067
Ion Ratio	Lower Upper
98 100	
100 62.2	52.1 78.1

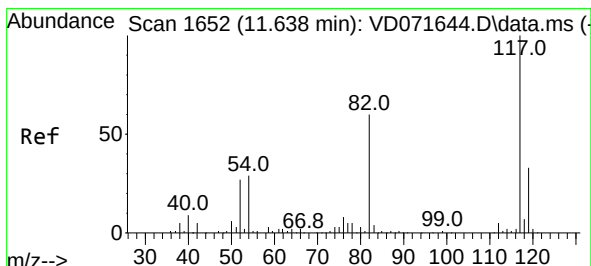
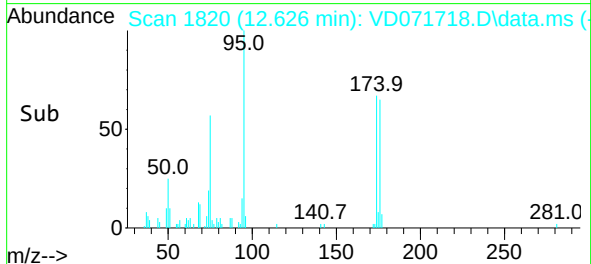
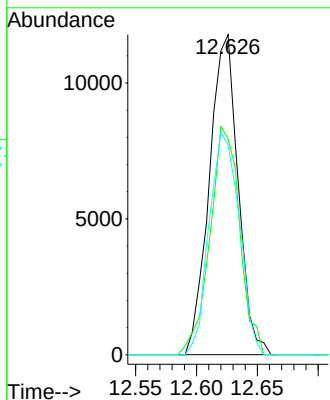
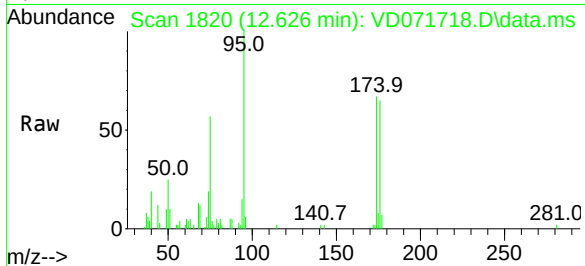




#62
4-Bromofluorobenzene
Concen: 48.126 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

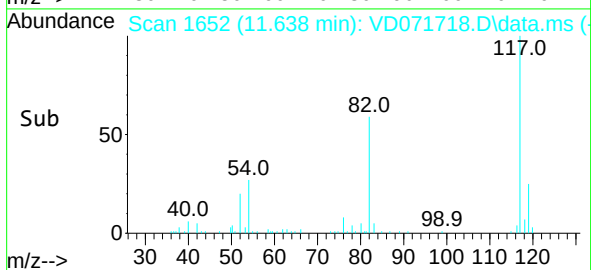
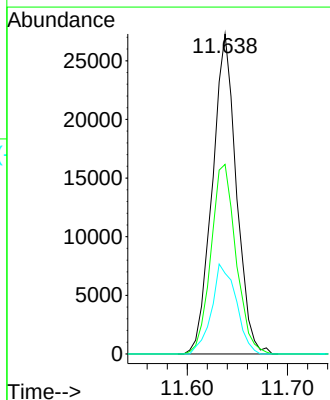
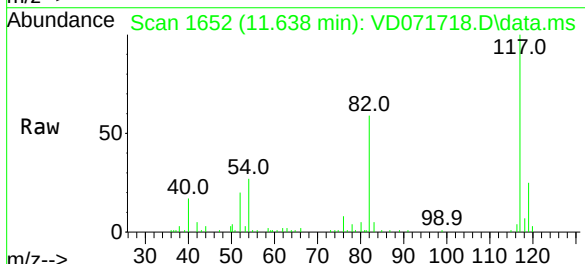
Instrument :
MSVOA_D
ClientSampleId :
TP-6D

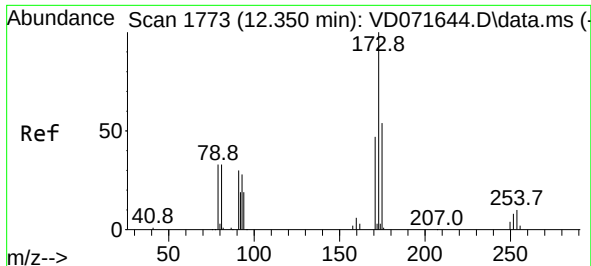
Tgt Ion:	95	Resp:	19359
Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	150.0
176	72.8	0.0	146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

Tgt Ion:	117	Resp:	45443
Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.9	70.3
119	25.2	26.6	39.8

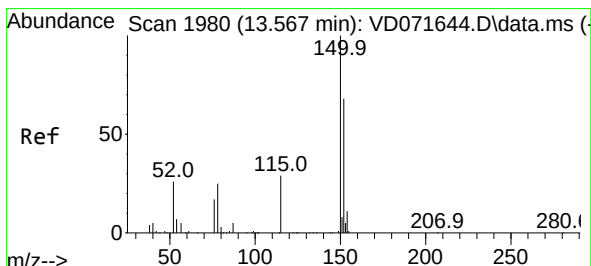
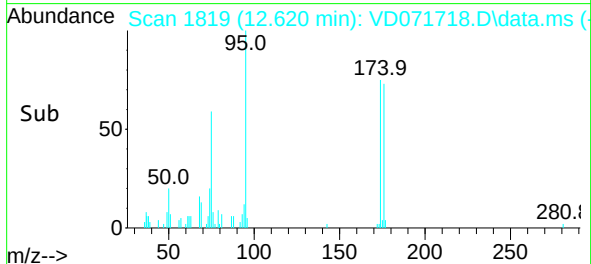
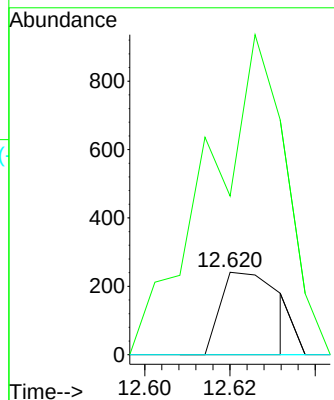
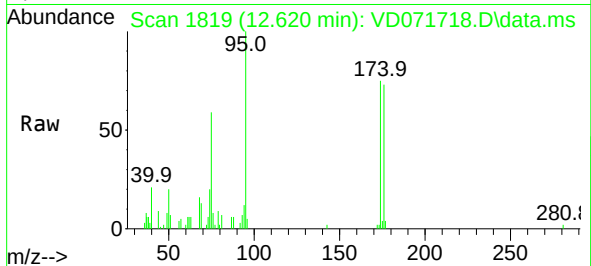




#71
Bromoform
Concen: 1.435 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.265 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

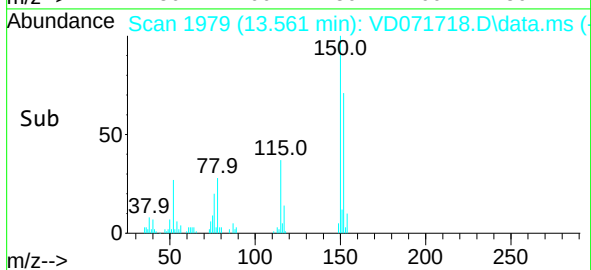
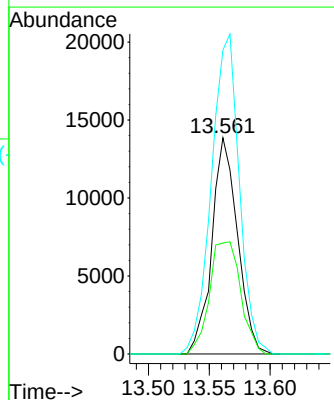
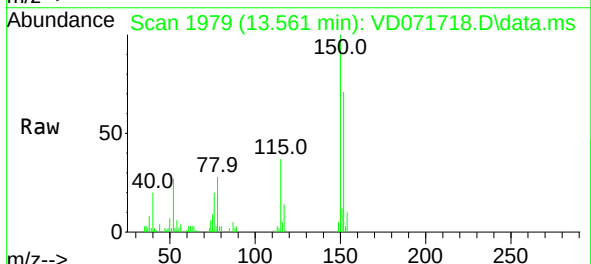
Instrument :
MSVOA_D
ClientSampleId :
TP-6D

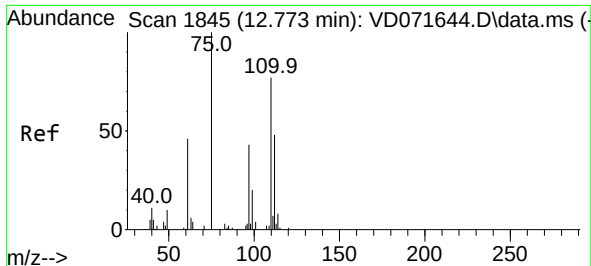
Tgt Ion:173 Resp: 231
Ion Ratio Lower Upper
173 100
175 484.0 24.4 73.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

Tgt Ion:152 Resp: 20336
Ion Ratio Lower Upper
152 100
115 63.1 31.5 94.5
150 160.6 0.0 348.0

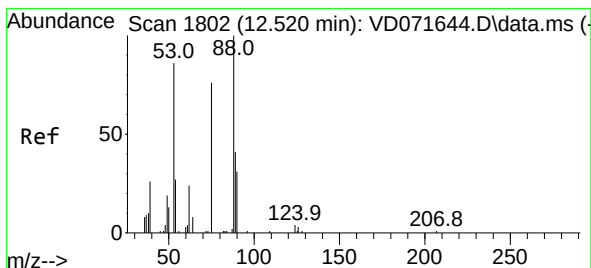
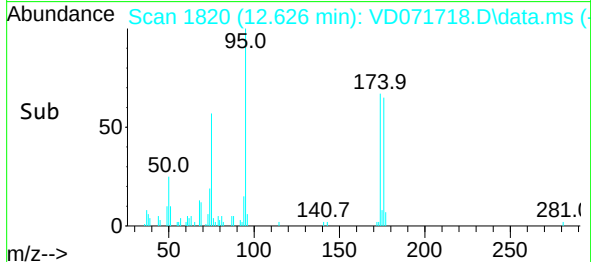
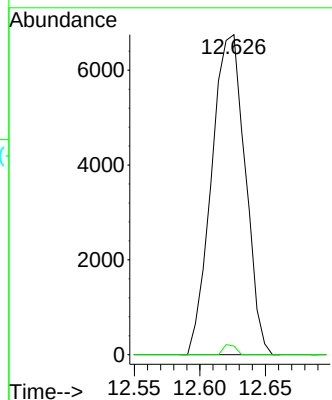
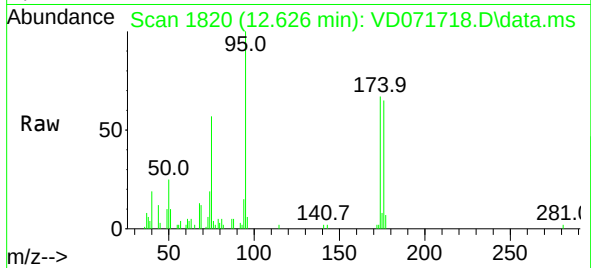




#76
1,2,3-Trichloropropane
Concen: 61.277 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

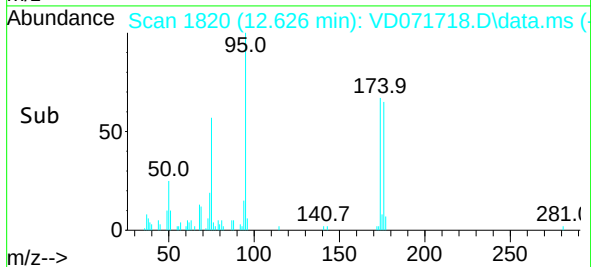
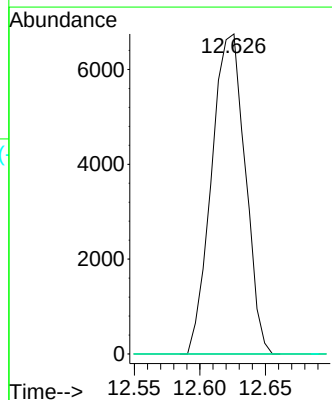
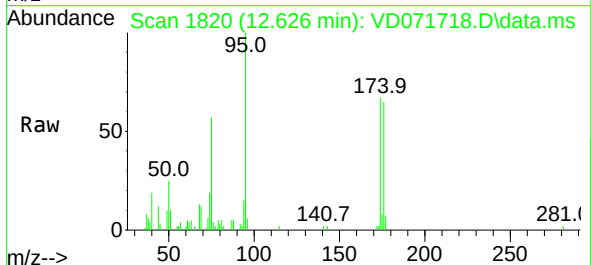
Instrument :
MSVOA_D
ClientSampleId :
TP-6D

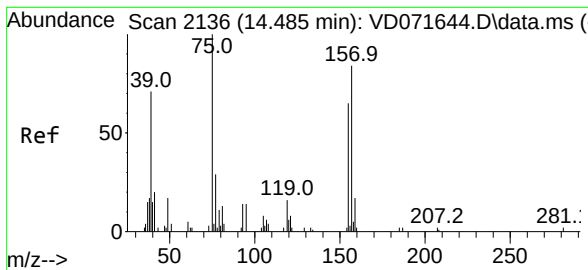
Tgt Ion: 75 Resp: 12041
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 170.832 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

Tgt Ion: 75 Resp: 12041
Ion Ratio Lower Upper
75 100
53 0.0 95.4 143.0#
89 0.0 37.2 55.8#





#92
1,2-Dibromo-3-Chloropropane
Concen: 1.297 ug/l
RT: 14.496 min Scan# 2138
Delta R.T. 0.006 min
Lab File: VD071718.D
Acq: 13 Jan 2022 19:09

Instrument :
MSVOA_D
ClientSampleId :
TP-6D

Tgt Ion:	75	Resp:	54
Ion	Ratio	Lower	Upper
75	100		
155	0.0	35.4	106.1#
157	0.0	44.9	134.5#

