

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011222\
 Data File : VD071694.D
 Acq On : 12 Jan 2022 18:54
 Operator : VA/SY
 Sample : N1106-14
 Misc : 6.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SO-A4-A41-03-6

Quant Time: Jan 13 05:30:23 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)

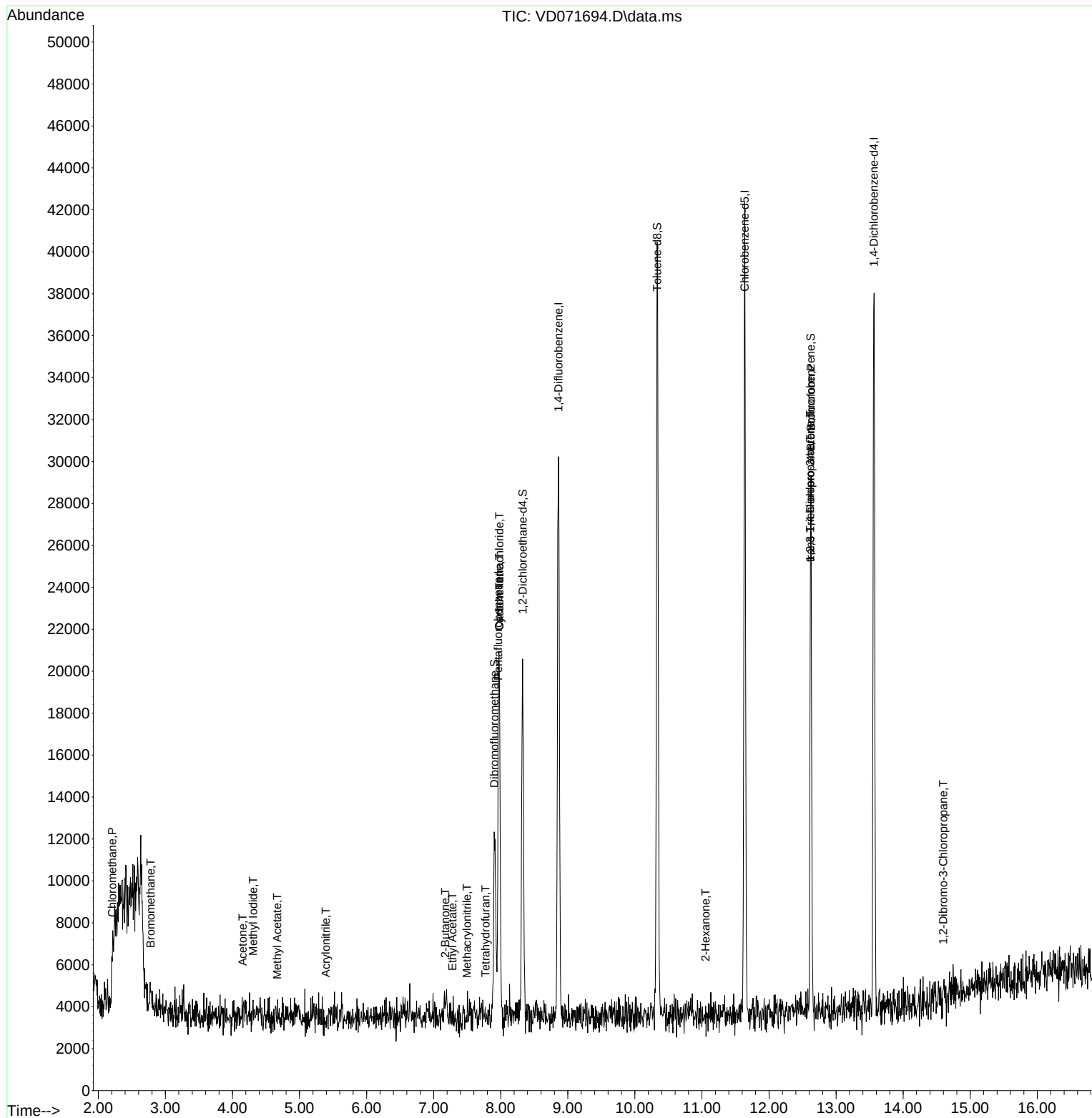
Internal Standards						
1) Pentafluorobenzene	7.962	168	10984	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.862	114	20994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	18880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	8758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	12232	86.548	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 173.100%#	
35) Dibromofluoromethane	7.903	113	6589	47.490	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.980%	
50) Toluene-d8	10.332	98	24218	46.630	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.260%	
62) 4-Bromofluorobenzene	12.620	95	8093	44.221	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.440%	
Target Compounds						Qvalue
3) Chloromethane	2.209	50	542	4.009	ug/l #	43
5) Bromomethane	2.780	94	179	1.284	ug/l #	31
10) Methyl Iodide	4.309	142	208	1.922	ug/l #	76
11) Tert butyl alcohol	5.144	59	54	Below Cal	#	75
15) Acrylonitrile	5.391	53	57	2.118	ug/l #	17
16) Acetone	4.150	43	490	15.017	ug/l #	49
18) Methyl Acetate	4.668	43	139	1.071	ug/l #	56
25) 2-Butanone	7.173	43	61	1.582	ug/l #	56
29) Tetrahydrofuran	7.773	42	61	2.750	ug/l #	39
31) Cyclohexane	7.979	56	312	1.905	ug/l #	81
37) Ethyl Acetate	7.279	43	124	1.350	ug/l #	69
38) Carbon Tetrachloride	7.979	117	1559	7.778	ug/l #	14
41) Methacrylonitrile	7.497	41	134	3.443	ug/l #	47
59) 2-Hexanone	11.056	43	115	1.803	ug/l #	29
71) Bromoform	12.626	173	71	1.061	ug/l #	1
76) 1,2,3-Trichloropropane	12.614	75	4869	57.535	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	4869	160.401	ug/l #	3
92) 1,2-Dibromo-3-Chloropr...	14.597	75	55	3.068	ug/l #	9

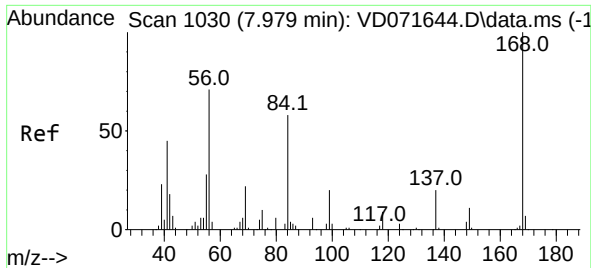
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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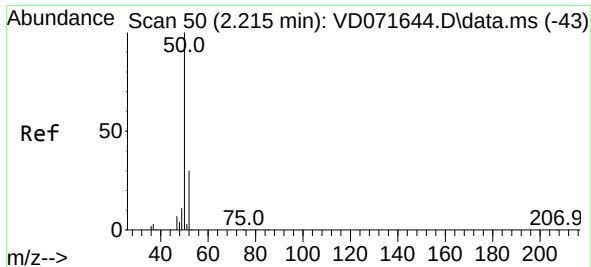
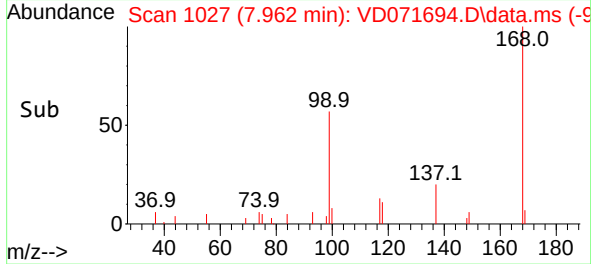
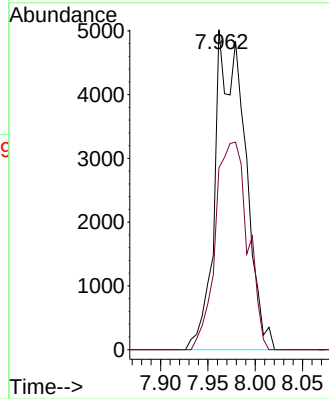
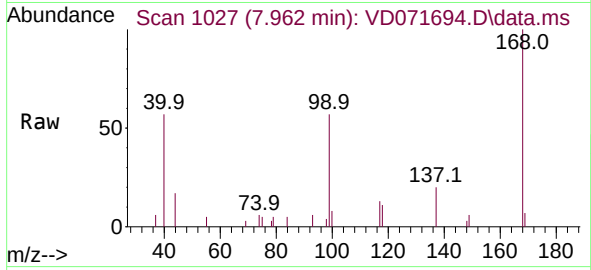




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.962 min Scan# 10
Delta R.T. -0.017 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

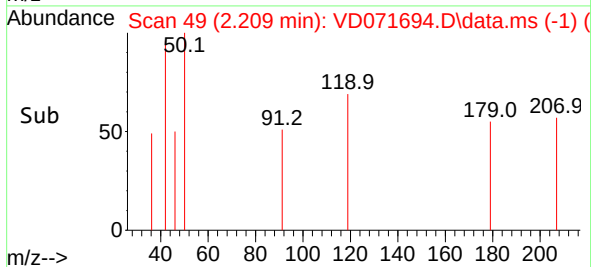
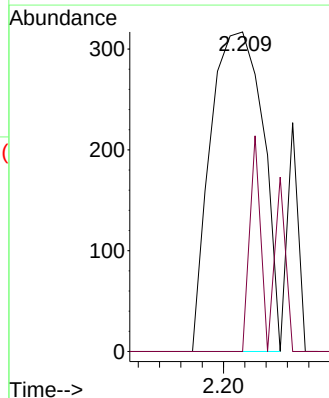
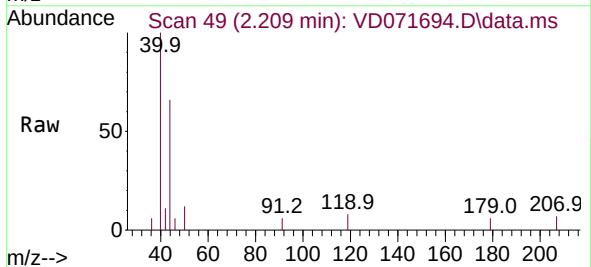
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

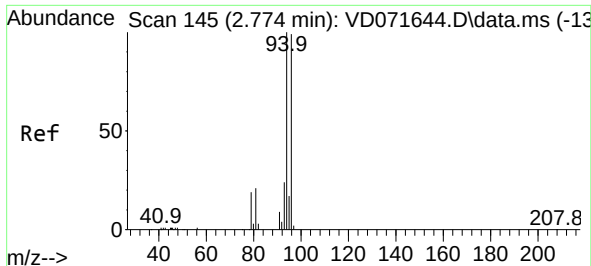
Tgt Ion:168 Resp: 10984
Ion Ratio Lower Upper
168 100
99 56.9 51.8 77.6



#3
Chloromethane
Concen: 4.009 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.005 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

Tgt Ion: 50 Resp: 542
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

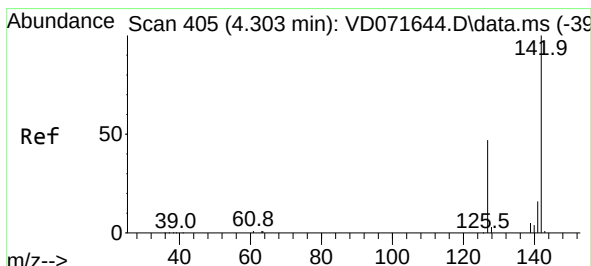
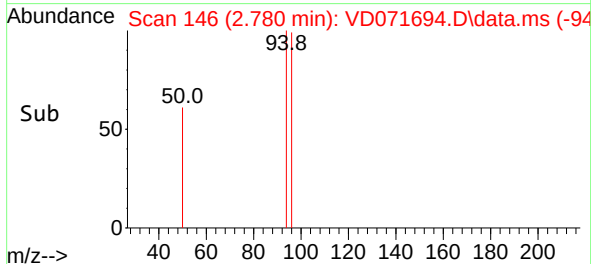
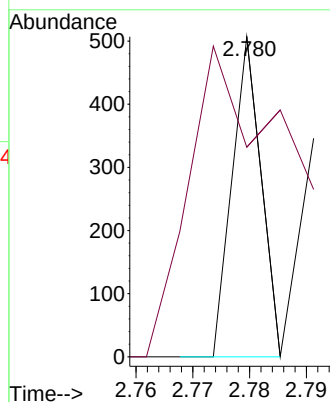
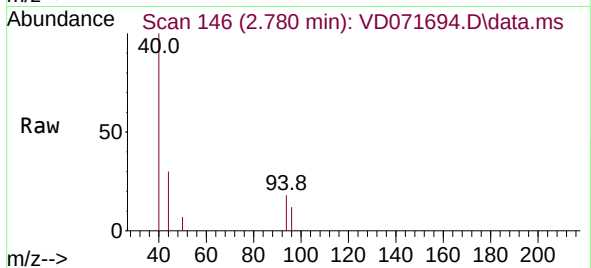




#5
Bromomethane
Concen: 1.284 ug/l
RT: 2.780 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

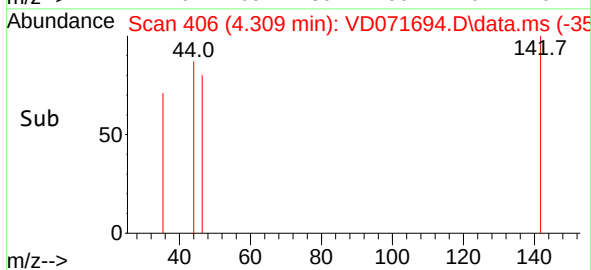
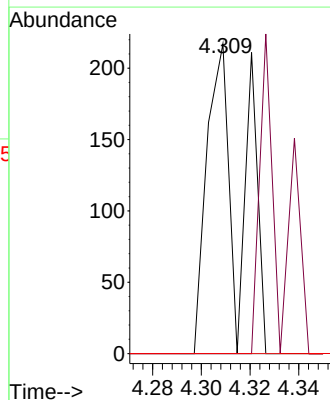
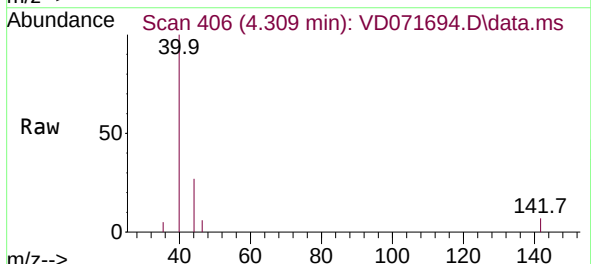
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

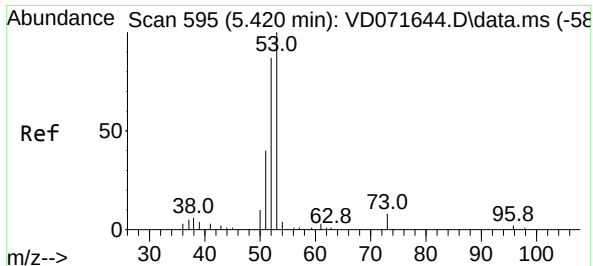
Tgt Ion: 94 Resp: 179
Ion Ratio Lower Upper
94 100
96 26.2 73.7 110.5#



#10
Methyl Iodide
Concen: 1.922 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.007 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

Tgt Ion: 142 Resp: 208
Ion Ratio Lower Upper
142 100
127 63.5 39.4 59.2#
141 0.0 11.9 17.9#

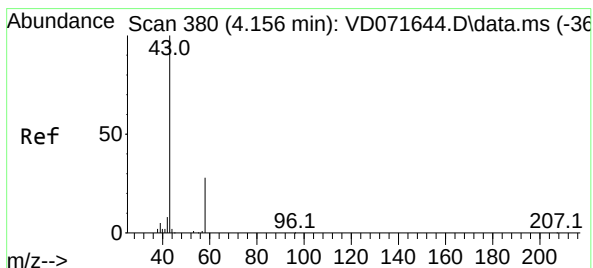
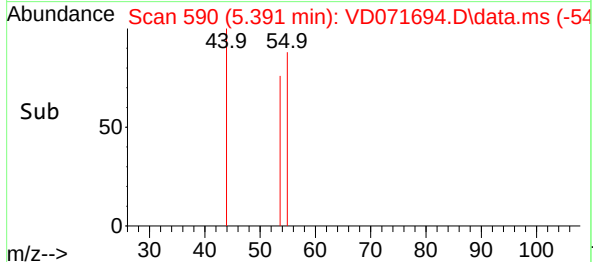
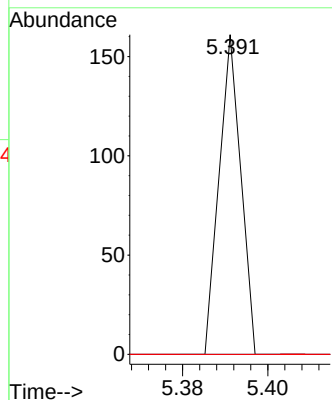
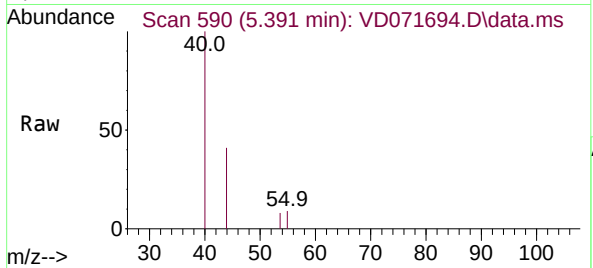




#15
Acrylonitrile
Concen: 2.118 ug/l
RT: 5.391 min Scan# 51
Delta R.T. -0.029 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

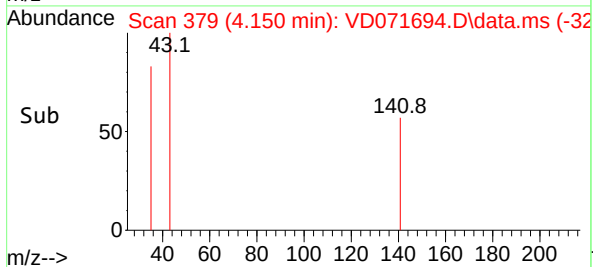
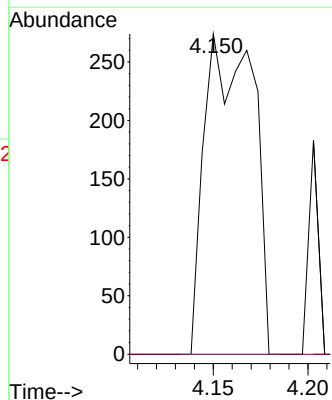
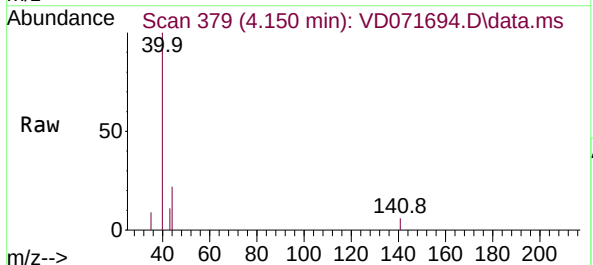
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

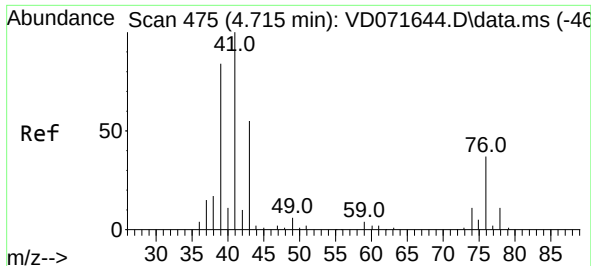
Tgt Ion: 53 Resp: 57
Ion Ratio Lower Upper
53 100
52 0.0 65.6 98.4#
51 0.0 31.2 46.8#



#16
Acetone
Concen: 15.017 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.005 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

Tgt Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.6#

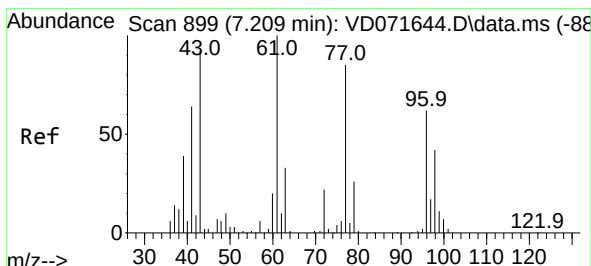
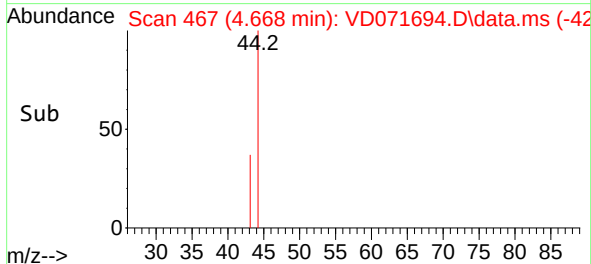
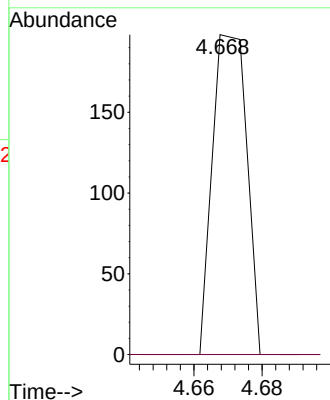
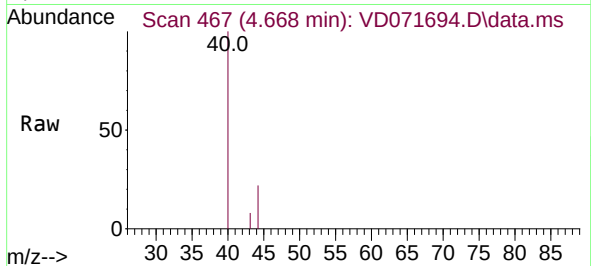




#18
Methyl Acetate
Concen: 1.071 ug/l
RT: 4.668 min Scan# 41
Delta R.T. -0.046 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

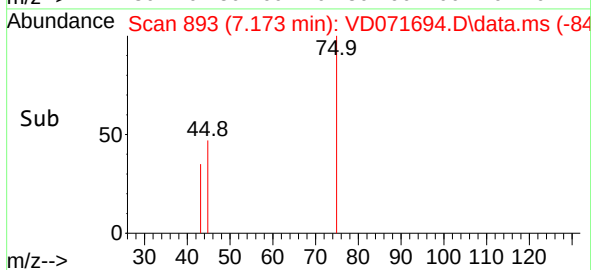
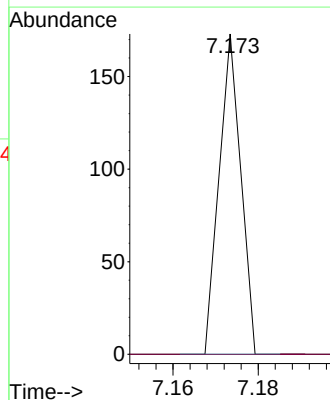
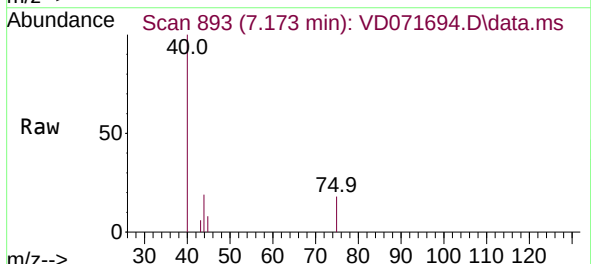
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

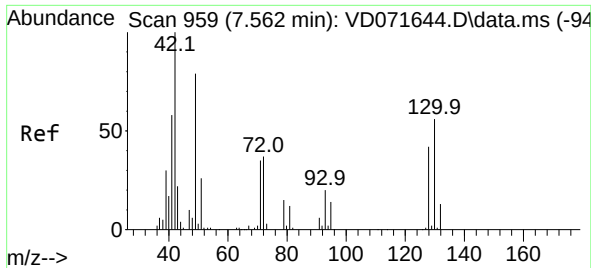
Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#25
2-Butanone
Concen: 1.582 ug/l
RT: 7.173 min Scan# 893
Delta R.T. -0.035 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
72 0.0 16.4 24.6#





#29

Tetrahydrofuran

Concen: 2.750 ug/l

RT: 7.773 min Scan# 995

Delta R.T. 0.212 min

Lab File: VD071694.D

Acq: 12 Jan 2022 18:54

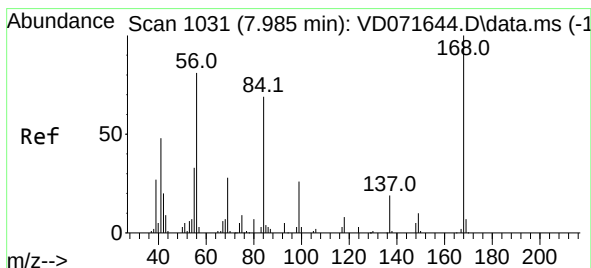
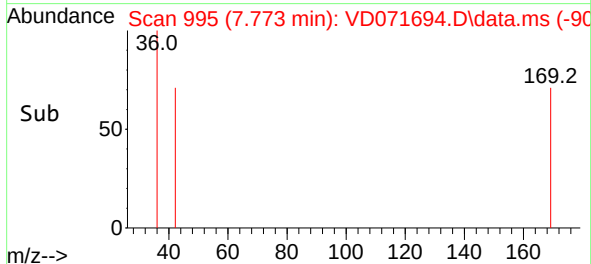
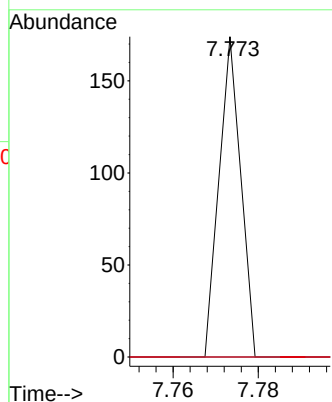
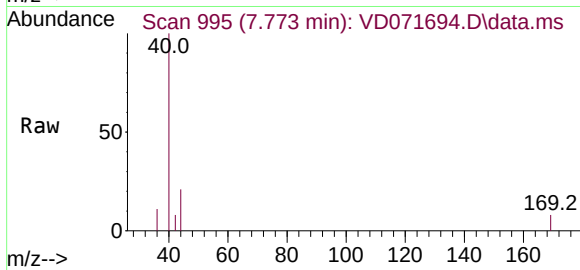
Instrument :

MSVOA_D

ClientSampleId :

SO-A4-A41-03-6

Tgt Ion:	42	Resp:	61
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.6	44.4#
71	0.0	27.3	40.9#



#31

Cyclohexane

Concen: 1.905 ug/l

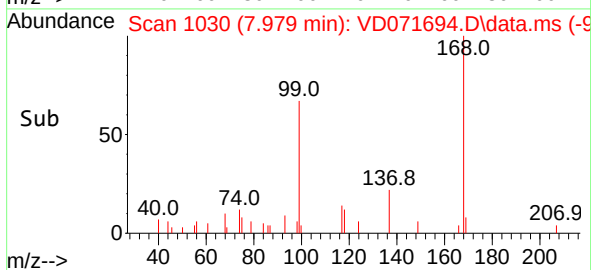
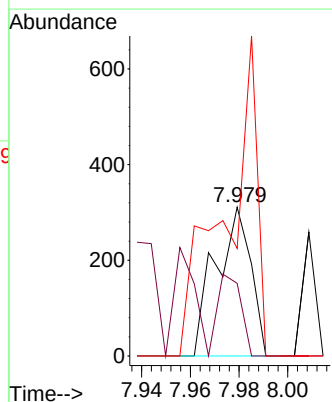
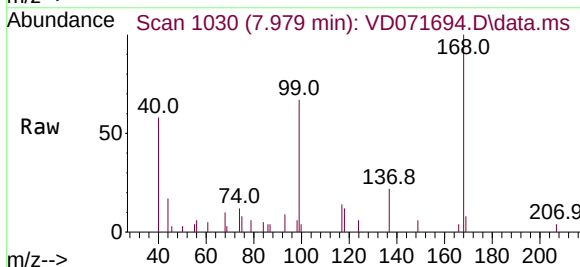
RT: 7.979 min Scan# 1030

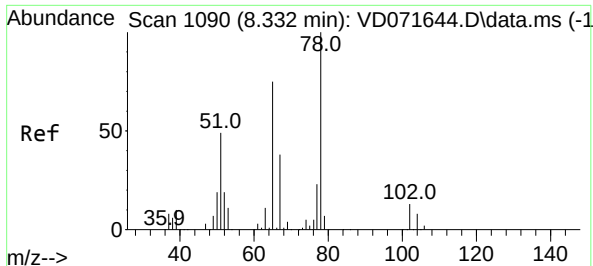
Delta R.T. -0.011 min

Lab File: VD071694.D

Acq: 12 Jan 2022 18:54

Tgt Ion:	56	Resp:	312
Ion	Ratio	Lower	Upper
56	100		
69	48.9	21.7	32.5#
84	72.3	65.7	98.5





#33

1,2-Dichloroethane-d4

Concen: 86.548 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071694.D

Acq: 12 Jan 2022 18:54

Instrument :

MSVOA_D

ClientSampleId :

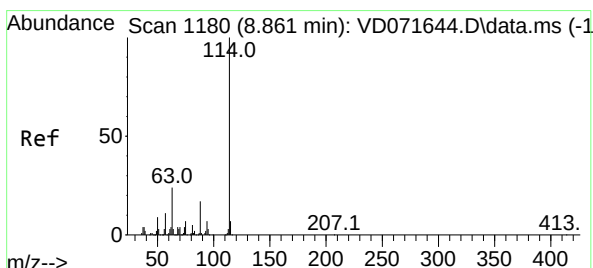
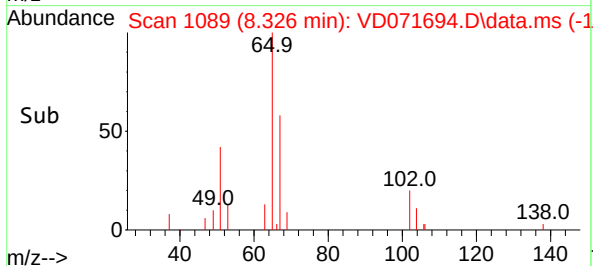
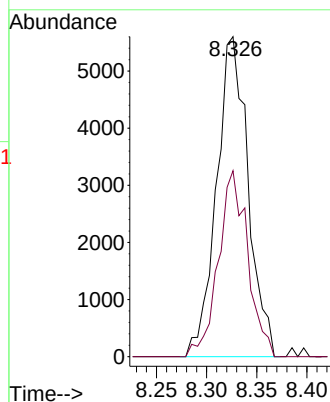
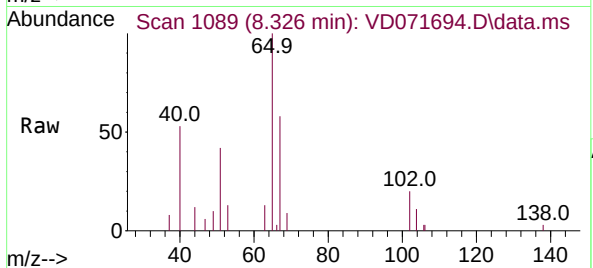
SO-A4-A41-03-6

Tgt Ion: 65 Resp: 12232

Ion Ratio Lower Upper

65 100

67 54.0 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.862 min Scan# 1180

Delta R.T. -0.005 min

Lab File: VD071694.D

Acq: 12 Jan 2022 18:54

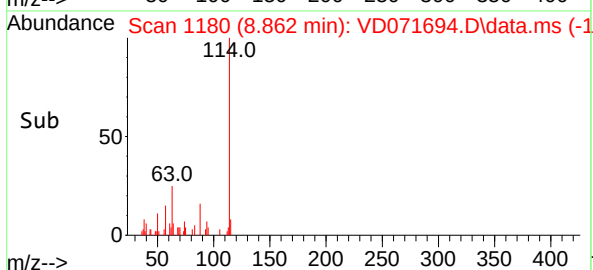
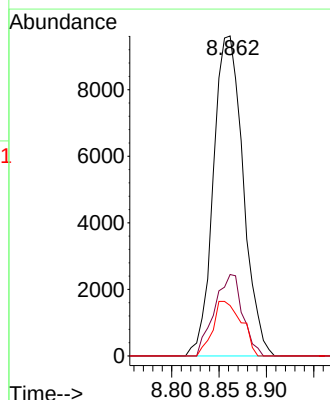
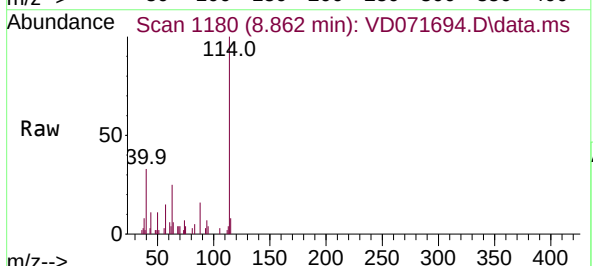
Tgt Ion: 114 Resp: 20994

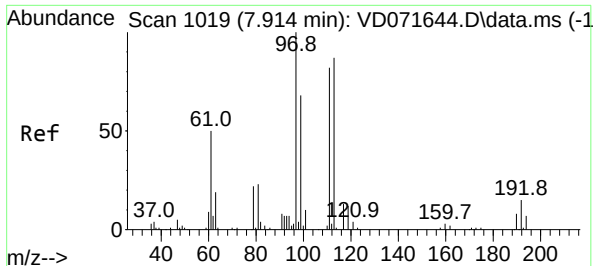
Ion Ratio Lower Upper

114 100

63 25.4 0.0 46.2

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.490 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.011 min

Lab File: VD071694.D

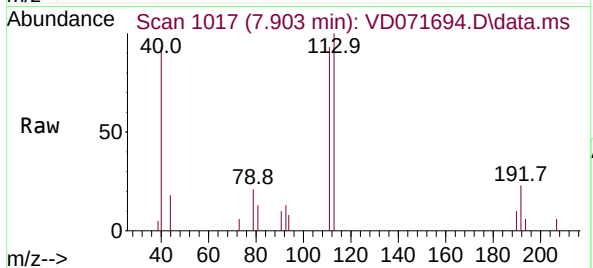
Acq: 12 Jan 2022 18:54

Instrument :

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ClientSampleId :

SO-A4-A41-03-6



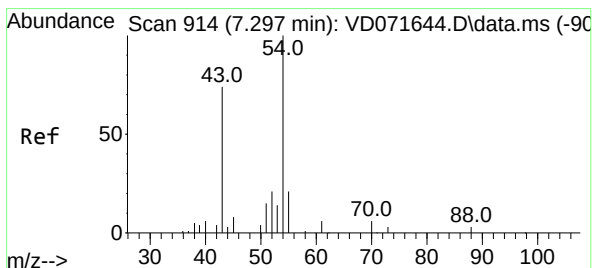
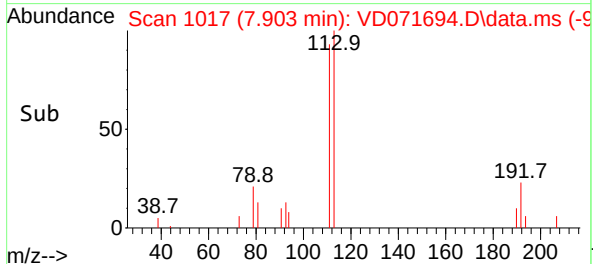
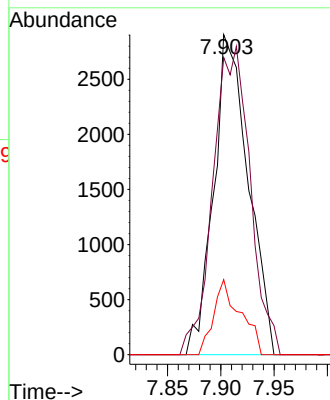
Tgt Ion:113 Resp: 6589

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

192 18.0 14.2 21.2



#37

Ethyl Acetate

Concen: 1.350 ug/l

RT: 7.279 min Scan# 911

Delta R.T. -0.012 min

Lab File: VD071694.D

Acq: 12 Jan 2022 18:54

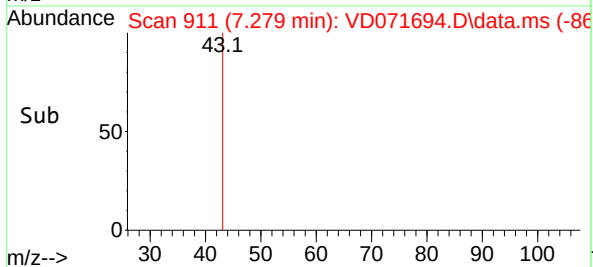
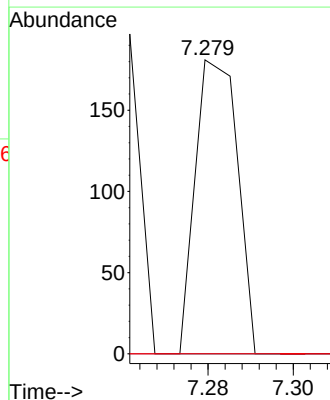
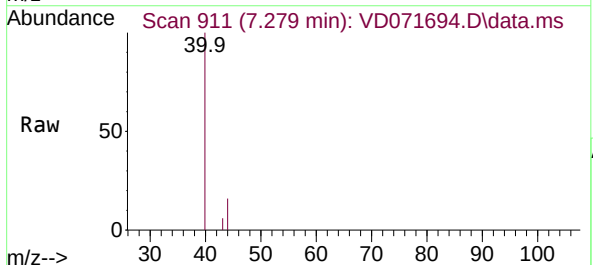
Tgt Ion: 43 Resp: 124

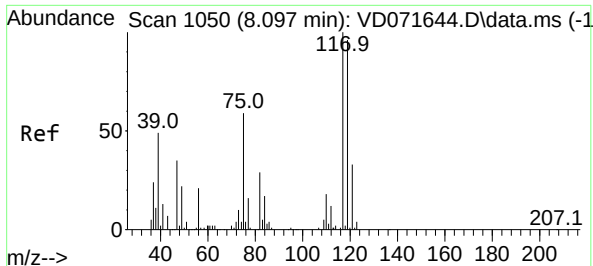
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 0.0 7.4 11.2#

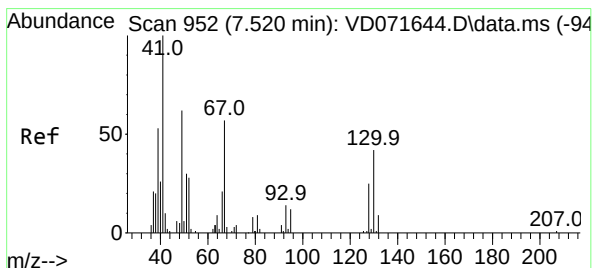
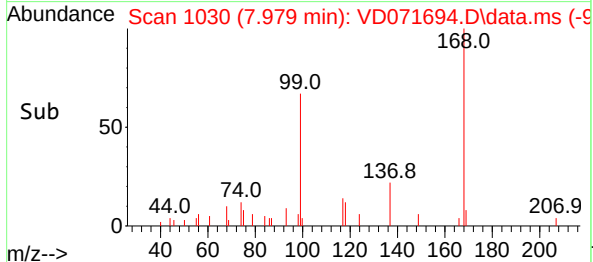
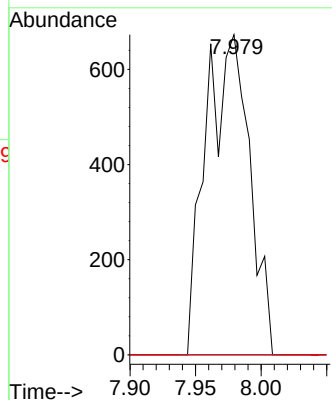
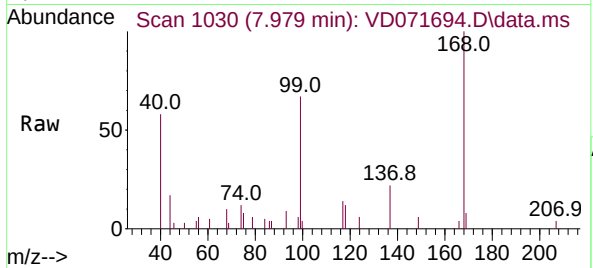




#38
Carbon Tetrachloride
Concen: 7.778 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.117 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

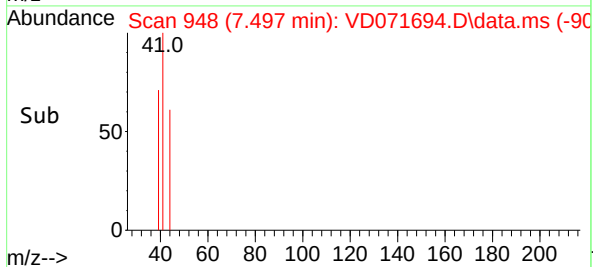
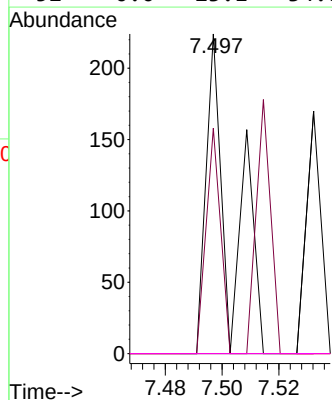
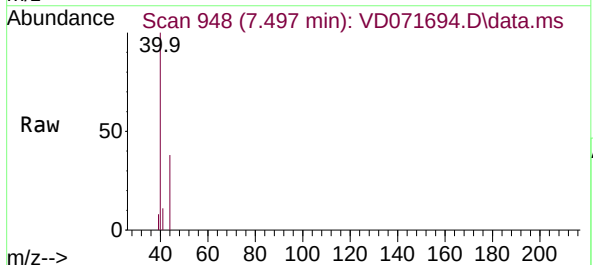
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

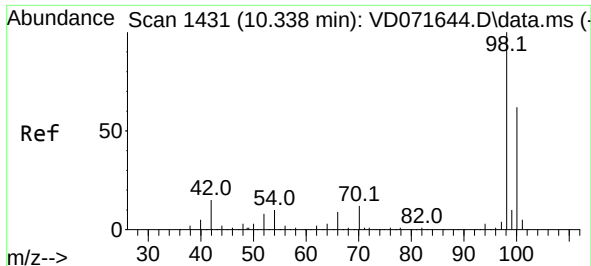
Tgt Ion:117 Resp: 1559
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 3.443 ug/l
RT: 7.497 min Scan# 948
Delta R.T. -0.023 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

Tgt Ion: 41 Resp: 134
Ion Ratio Lower Upper
41 100
39 41.8 46.9 70.3#
67 0.0 49.3 73.9#
52 0.0 23.1 34.7#

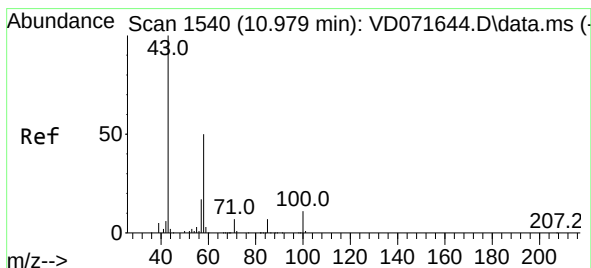
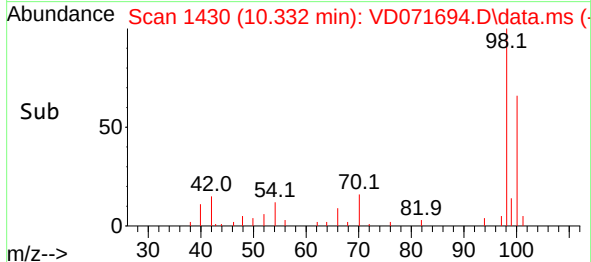
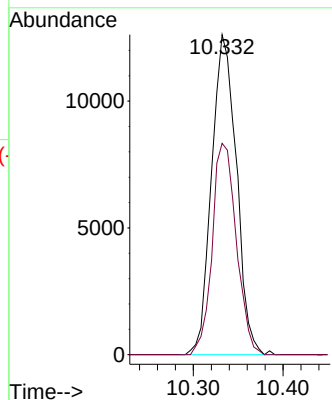
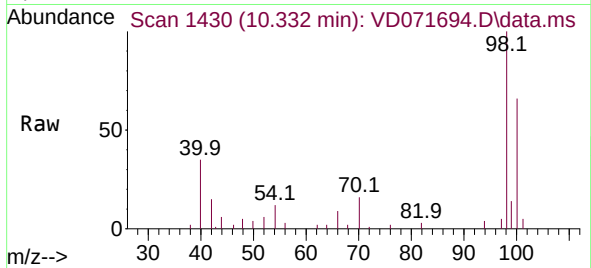




#50
Toluene-d8
Concen: 46.630 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.005 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

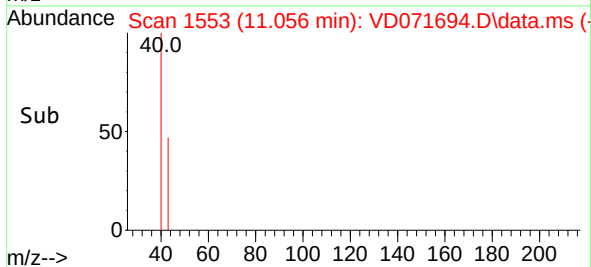
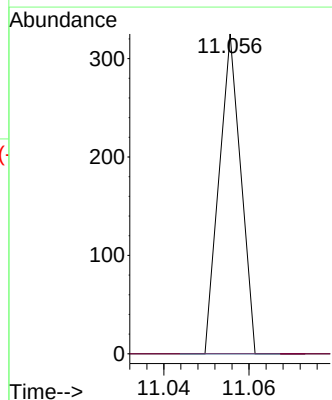
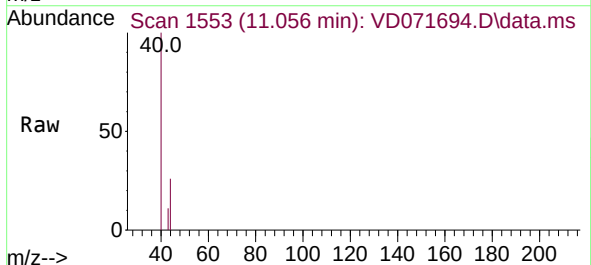
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

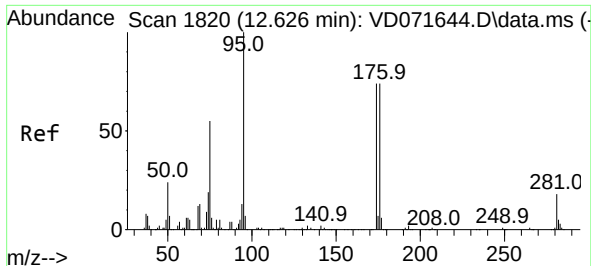
Tgt Ion: 98 Resp: 24218
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#59
2-Hexanone
Concen: 1.803 ug/l
RT: 11.056 min Scan# 1553
Delta R.T. 0.077 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
58 0.0 24.3 72.8#

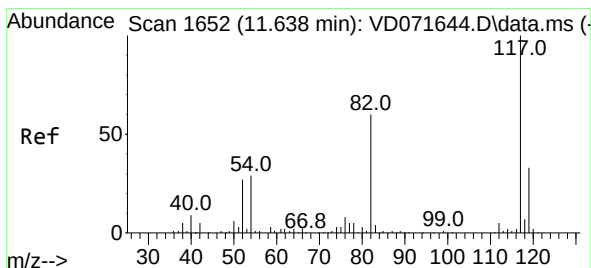
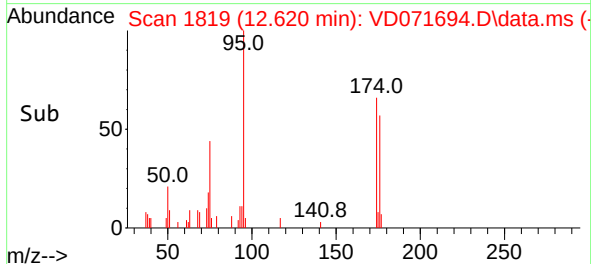
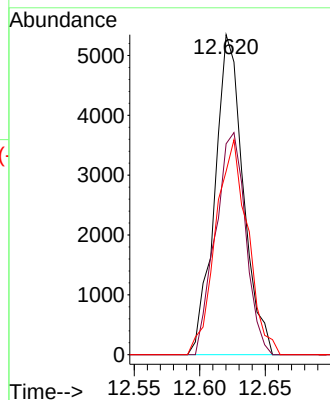
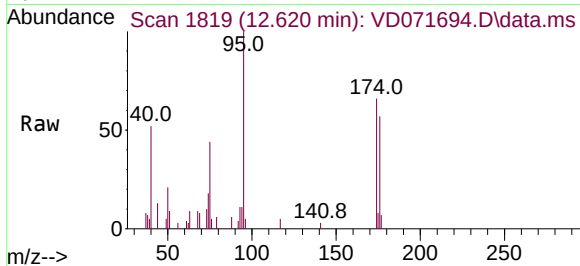




#62
4-Bromofluorobenzene
Concen: 44.221 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

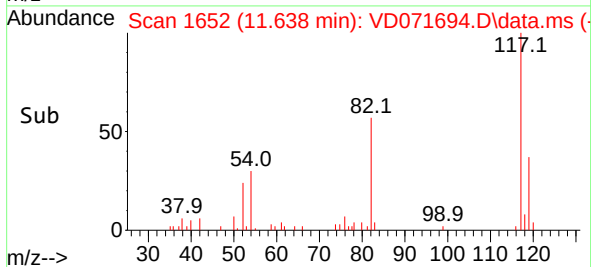
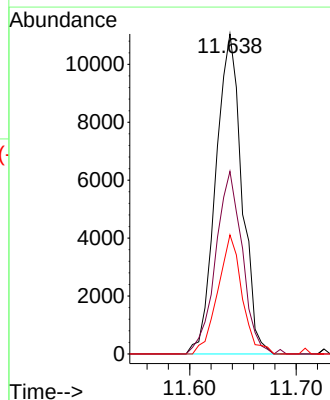
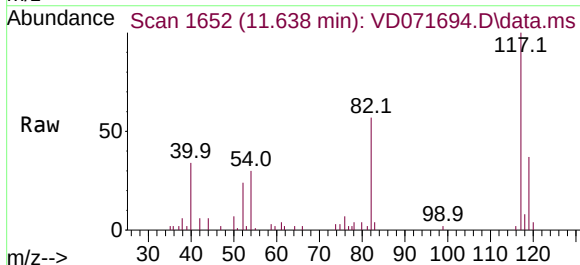
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

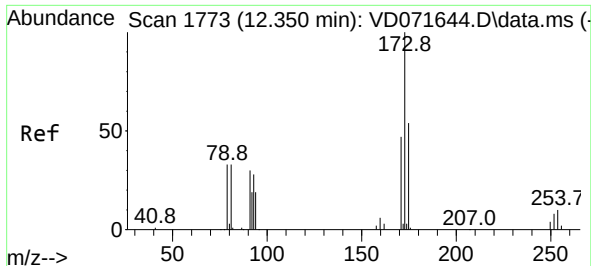
Tgt Ion: 95 Resp: 8093
Ion Ratio Lower Upper
95 100
174 73.3 0.0 150.0
176 75.4 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

Tgt Ion: 117 Resp: 18880
Ion Ratio Lower Upper
117 100
82 57.0 46.9 70.3
119 37.2 26.6 39.8

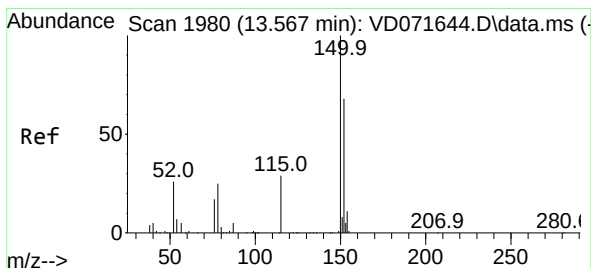
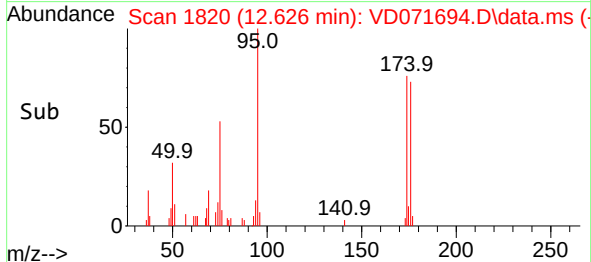
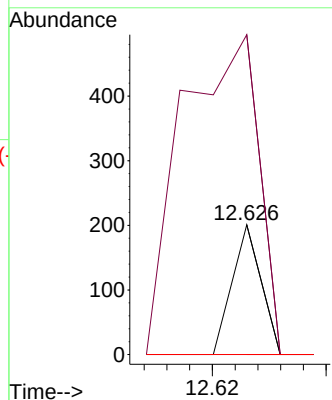
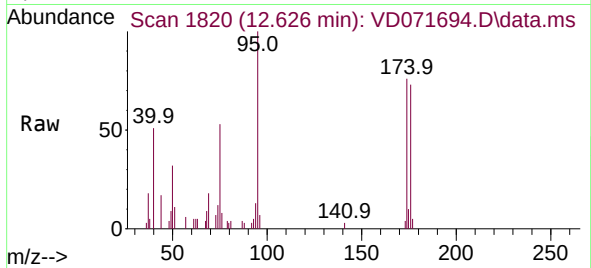




#71
Bromoform
Concen: 1.061 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

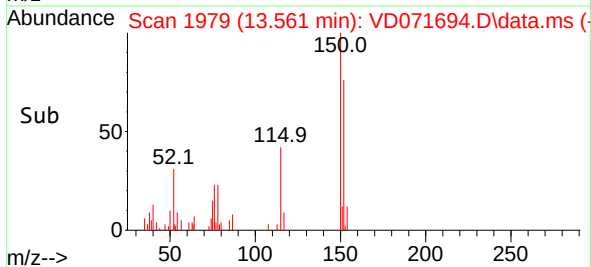
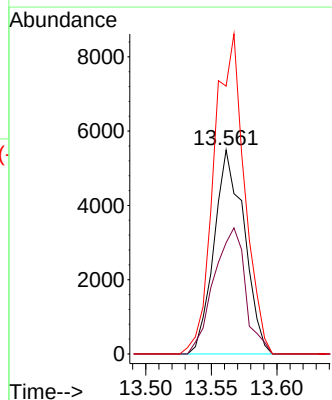
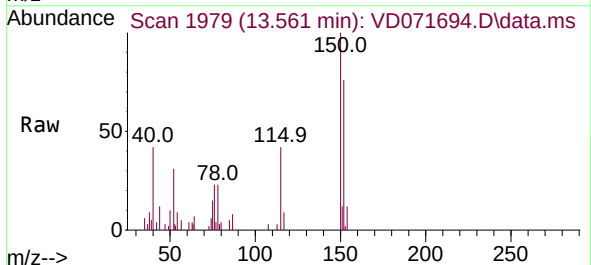
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

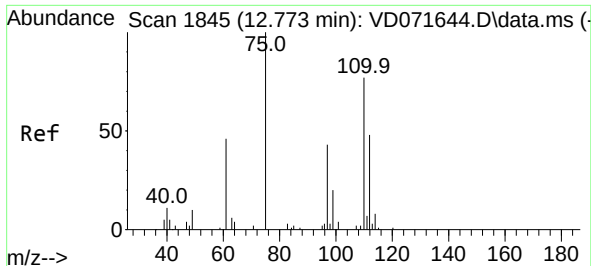
Tgt Ion:173 Resp: 71
Ion Ratio Lower Upper
173 100
175 649.3 24.4 73.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

Tgt Ion:152 Resp: 8758
Ion Ratio Lower Upper
152 100
115 64.8 31.5 94.5
150 158.9 0.0 348.0

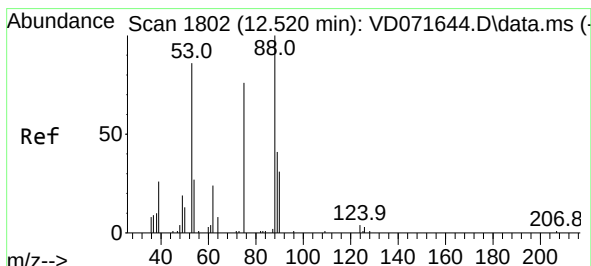
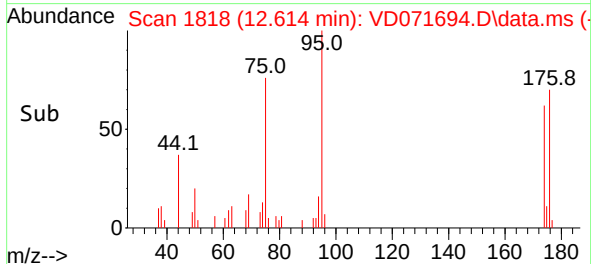
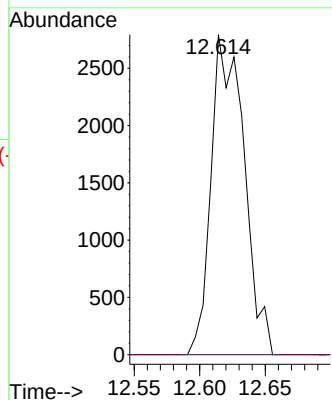
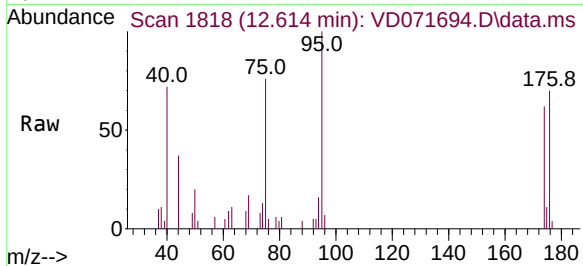




#76
1,2,3-Trichloropropane
Concen: 57.535 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.159 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

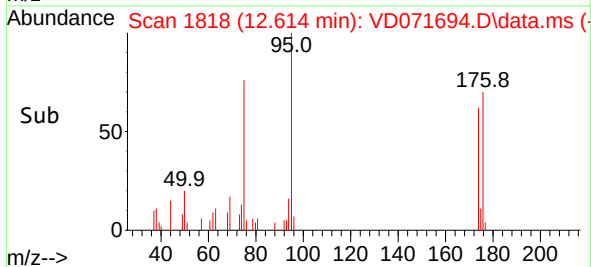
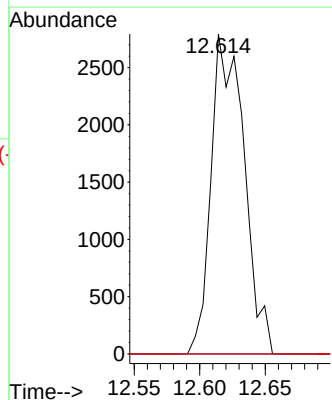
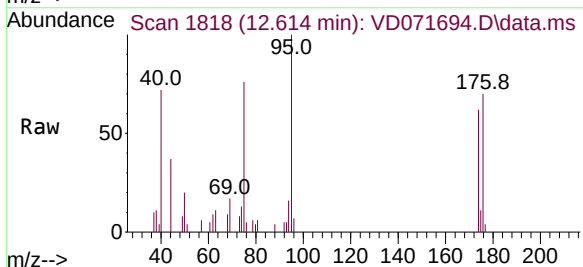
Instrument :
MSVOA_D
ClientSampleId :
SO-A4-A41-03-6

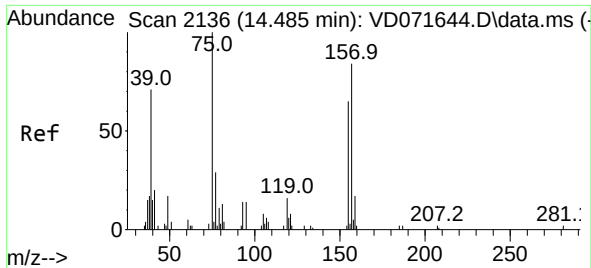
Tgt Ion: 75 Resp: 4869
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 160.401 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.094 min
Lab File: VD071694.D
Acq: 12 Jan 2022 18:54

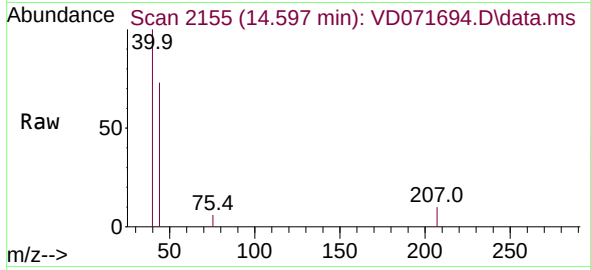
Tgt Ion: 75 Resp: 4869
Ion Ratio Lower Upper
75 100
53 0.0 95.4 143.0#
89 0.0 37.2 55.8#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.068 ug/l
 RT: 14.597 min Scan# 21
 Delta R.T. 0.107 min
 Lab File: VD071694.D
 Acq: 12 Jan 2022 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 SO-A4-A41-03-6



Tgt Ion:	75	Resp:	55
Ion	Ratio	Lower	Upper
75	100		
155	0.0	35.4	106.1#
157	0.0	44.9	134.5#

