

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102623\
 Data File : VD077434.D
 Acq On : 26 Oct 2023 18:30
 Operator : JC/SY
 Sample : 05027-04RE
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 27 07:49:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

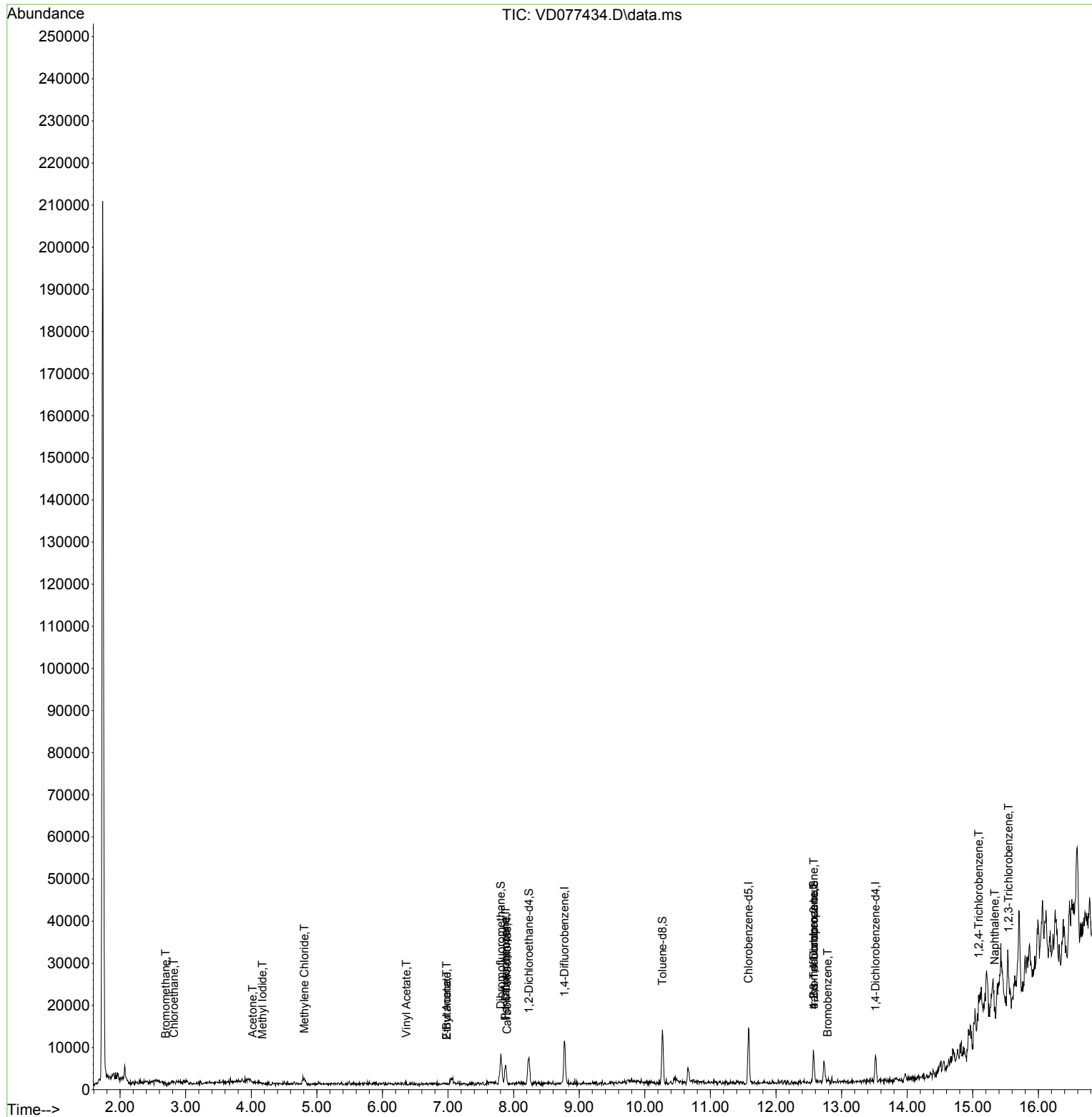
Internal Standards						
1) Pentafluorobenzene	7.875	168	4433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	10703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	9109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	2334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	5293	133.715	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 267.440%#	
35) Dibromofluoromethane	7.805	113	5325	70.818	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 141.640%	
50) Toluene-d8	10.269	98	9599	35.645	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 71.300%	
62) 4-Bromofluorobenzene	12.575	95	2578	33.257	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 66.520%	
Target Compounds						Qvalue
5) Bromomethane	2.693	94	65	1.020	ug/l #	1
6) Chloroethane	2.822	64	362	5.194	ug/l #	43
10) Methyl Iodide	4.169	142	73	1.147	ug/l #	37
16) Acetone	4.022	43	54	6.221	ug/l #	32
20) Methylene Chloride	4.811	84	828	12.149	ug/l #	72
23) Vinyl Acetate	6.363	43	60	1.347	ug/l #	63
25) 2-Butanone	6.981	43	59	6.552	ug/l #	37
36) 1,1-Dichloropropene	7.881	75	214	2.166	ug/l #	39
37) Ethyl Acetate	6.981	43	59	1.901	ug/l #	62
38) Carbon Tetrachloride	7.899	117	114	1.037	ug/l #	11
76) 1,2,3-Trichloropropane	12.575	75	1131	36.478	ug/l #	100
77) Bromobenzene	12.787	156	108	2.665	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	1131	129.844	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.092	180	54	1.203	ug/l #	1
95) Naphthalene	15.334	128	364	4.802	ug/l #	45
96) 1,2,3-Trichlorobenzene	15.545	180	497	12.755	ug/l #	18

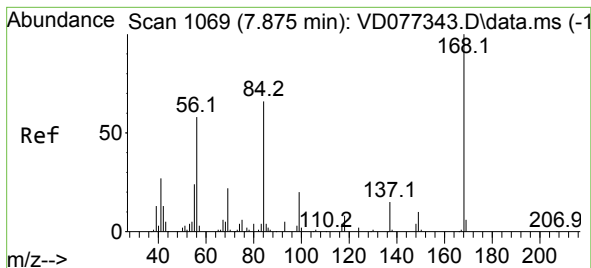
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 27 07:49:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077434.D

Acq: 26 Oct 2023 18:30

Instrument :

MSVOA_D

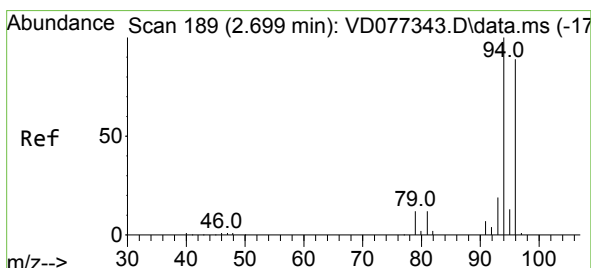
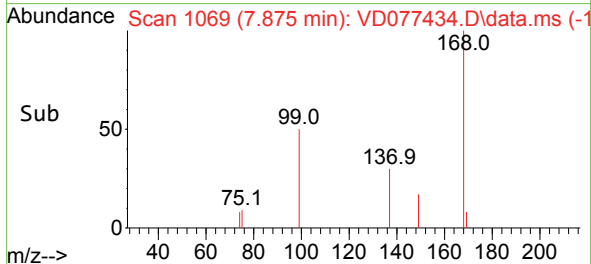
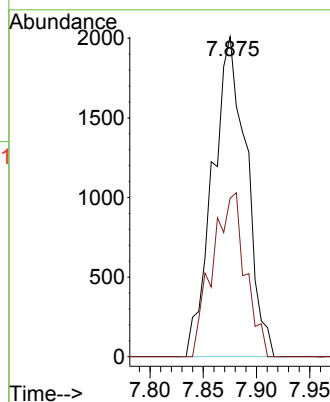
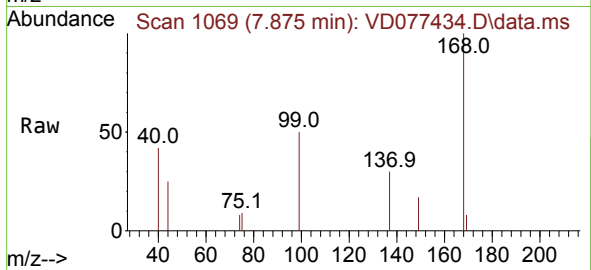
ClientSampleId :

Tgt Ion:168 Resp: 4433

Ion Ratio Lower Upper

168 100

99 49.5 36.7 55.1



#5

Bromomethane

Concen: 1.020 ug/l

RT: 2.693 min Scan# 188

Delta R.T. -0.006 min

Lab File: VD077434.D

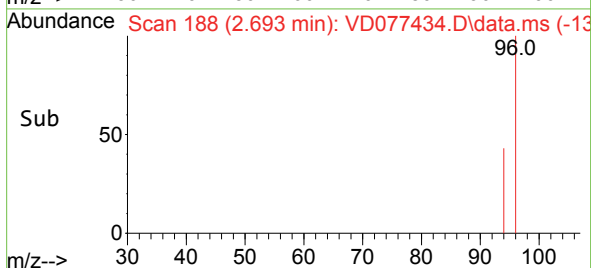
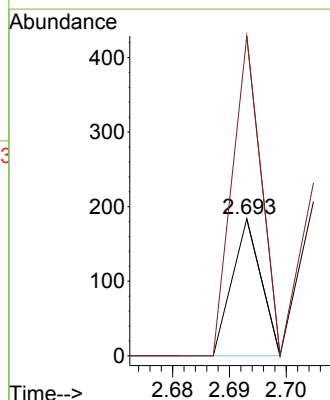
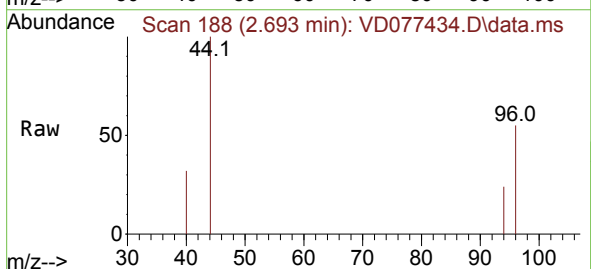
Acq: 26 Oct 2023 18:30

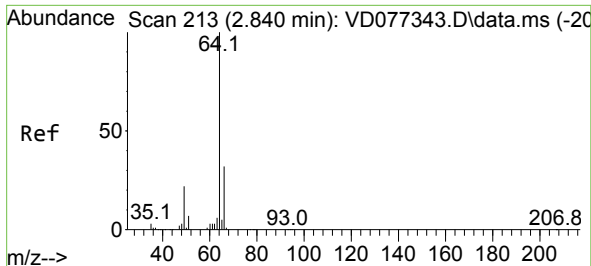
Tgt Ion: 94 Resp: 65

Ion Ratio Lower Upper

94 100

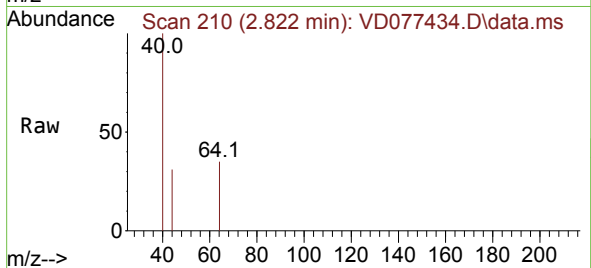
96 452.3 75.8 113.8#



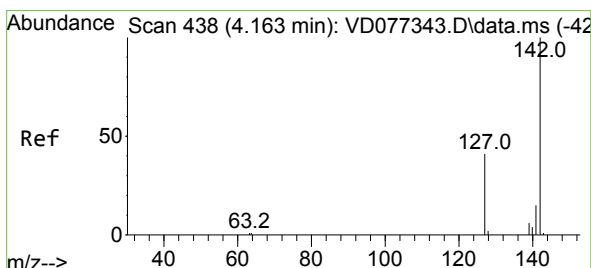
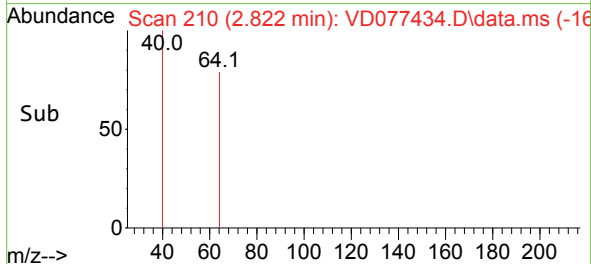
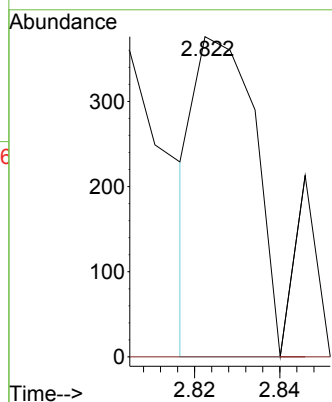


#6
Chloroethane
Concen: 5.194 ug/l
RT: 2.822 min Scan# 213
Delta R.T. -0.018 min
Lab File: VD077434.D
Acq: 26 Oct 2023 18:30

Instrument :
MSVOA_D
ClientSampleId :

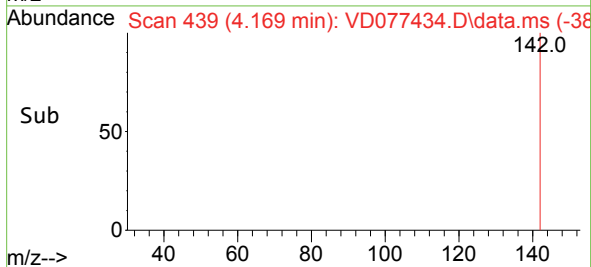
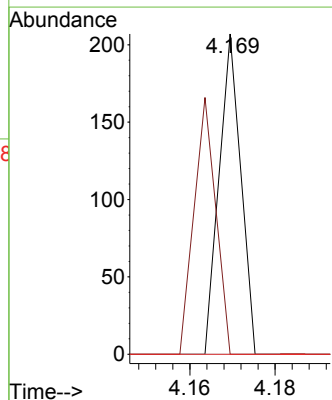
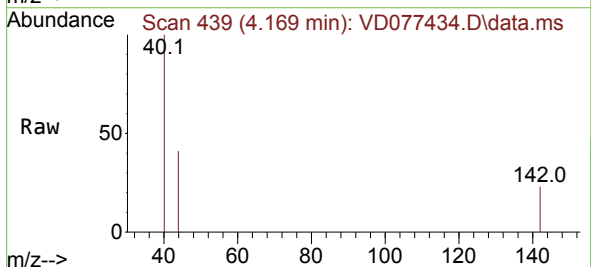


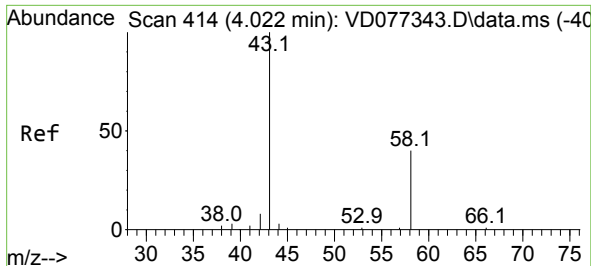
Tgt Ion: 64 Resp: 362
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



#10
Methyl Iodide
Concen: 1.147 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.006 min
Lab File: VD077434.D
Acq: 26 Oct 2023 18:30

Tgt Ion:142 Resp: 73
Ion Ratio Lower Upper
142 100
127 80.8 29.4 44.0#
141 0.0 11.1 16.7#

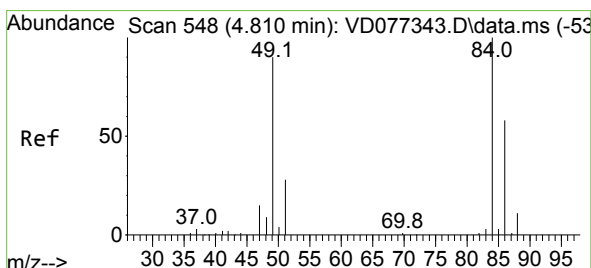
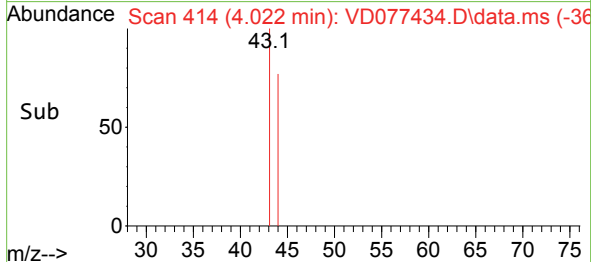
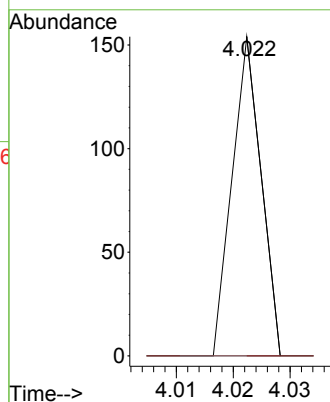
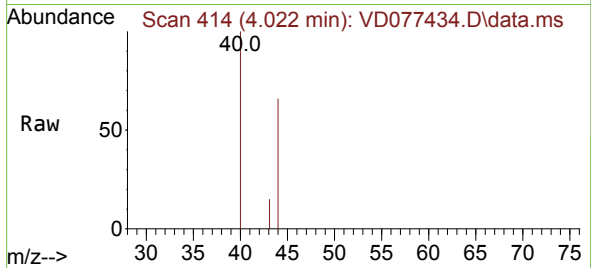




#16
Acetone
Concen: 6.221 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077434.D
Acq: 26 Oct 2023 18:30

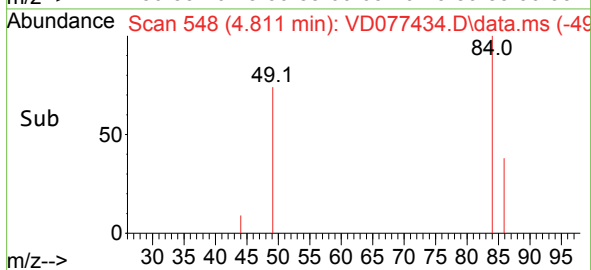
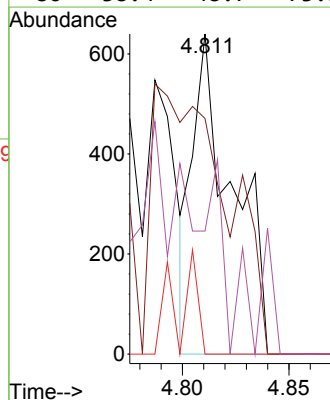
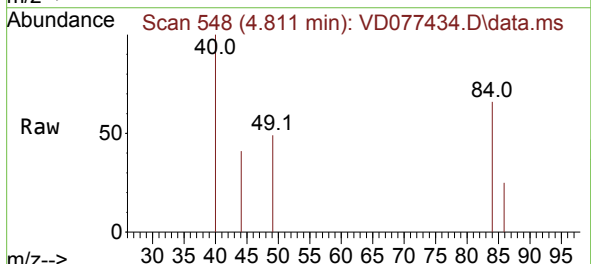
Instrument :
MSVOA_D
ClientSampleId :

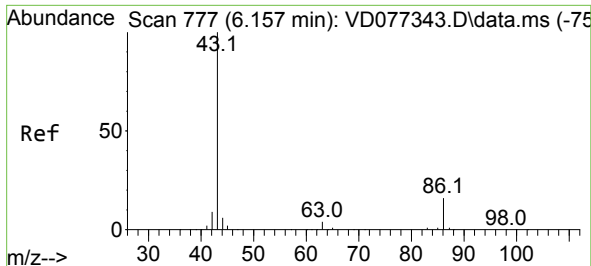
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: 12.149 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.001 min
Lab File: VD077434.D
Acq: 26 Oct 2023 18:30

Tgt Ion: 84 Resp: 828
Ion Ratio Lower Upper
84 100
49 73.6 71.4 107.2
51 0.0 24.5 36.7#
86 38.4 48.7 73.1#

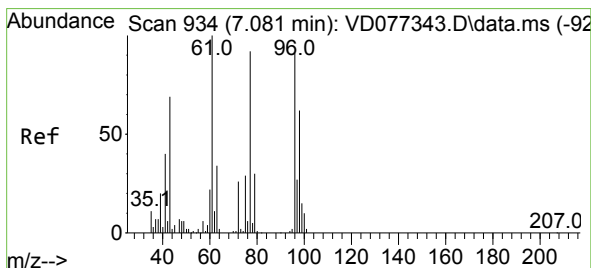
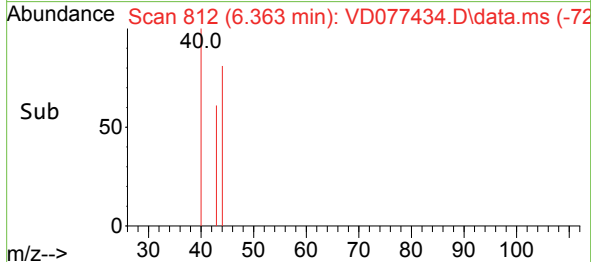
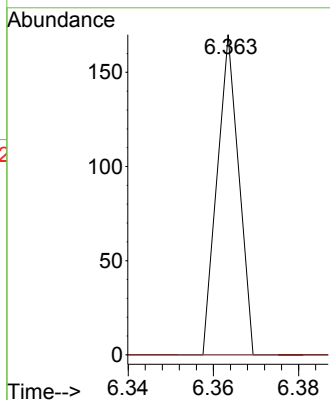
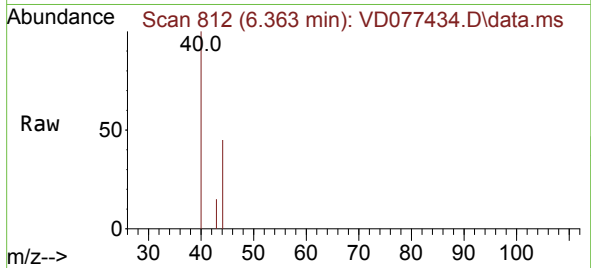




#23
 Vinyl Acetate
 Concen: 1.347 ug/l
 RT: 6.363 min Scan# 812
 Delta R.T. 0.206 min
 Lab File: VD077434.D
 Acq: 26 Oct 2023 18:30

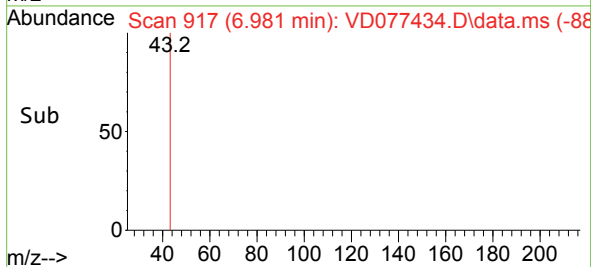
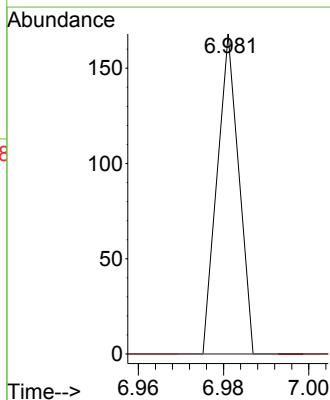
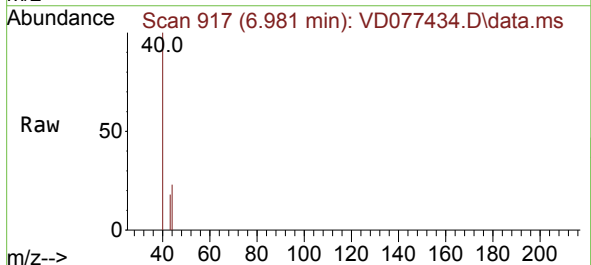
Instrument :
 MSVOA_D
 ClientSampleId :

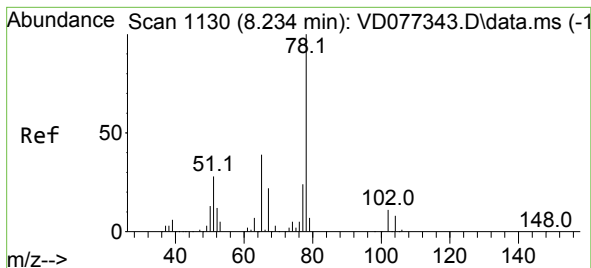
Tgt Ion: 43 Resp: 60
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.5 18.7#



#25
 2-Butanone
 Concen: 6.552 ug/l
 RT: 6.981 min Scan# 917
 Delta R.T. -0.100 min
 Lab File: VD077434.D
 Acq: 26 Oct 2023 18:30

Tgt Ion: 43 Resp: 59
 Ion Ratio Lower Upper
 43 100
 72 0.0 30.7 46.1#

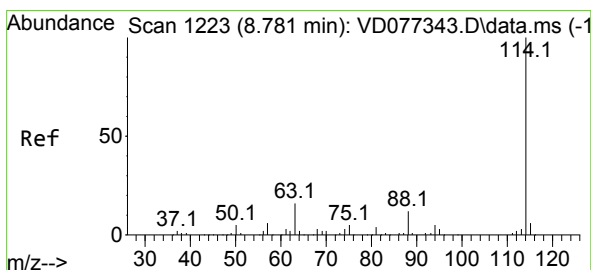
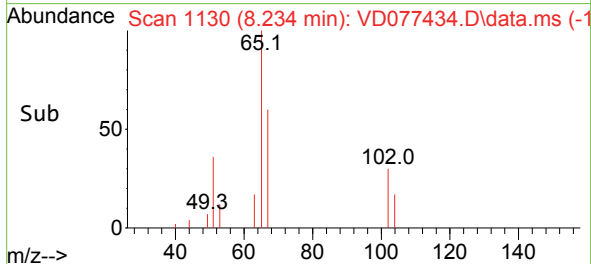
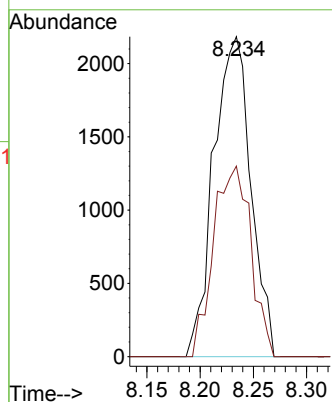
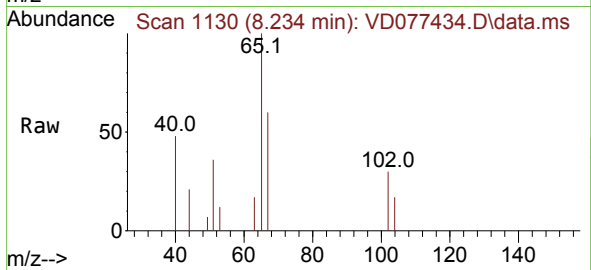




#33
 1,2-Dichloroethane-d4
 Concen: 133.715 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VD077434.D
 Acq: 26 Oct 2023 18:30

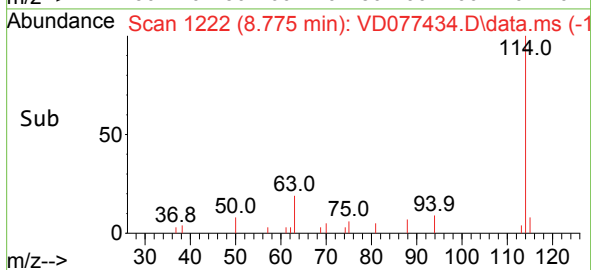
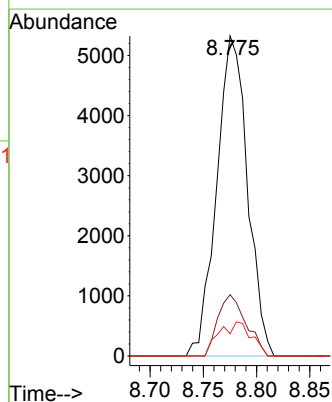
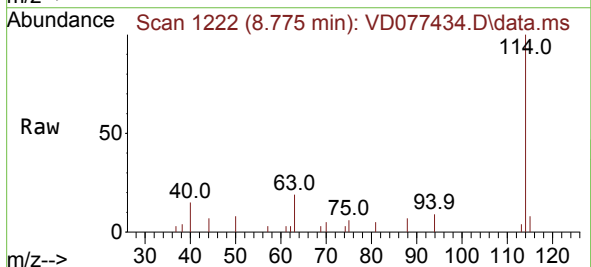
Instrument :
 MSVOA_D
 ClientSampleId :

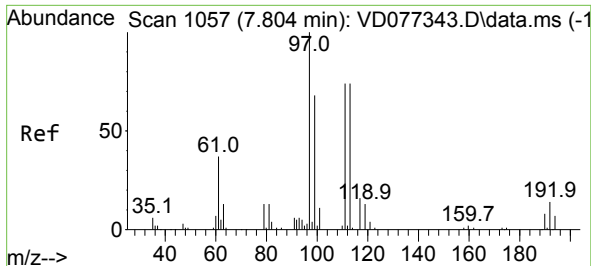
Tgt Ion: 65 Resp: 5293
 Ion Ratio Lower Upper
 65 100
 67 59.9 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. -0.006 min
 Lab File: VD077434.D
 Acq: 26 Oct 2023 18:30

Tgt Ion: 114 Resp: 10703
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 33.4
 88 6.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 70.818 ug/l

RT: 7.805 min Scan# 10

Delta R.T. 0.001 min

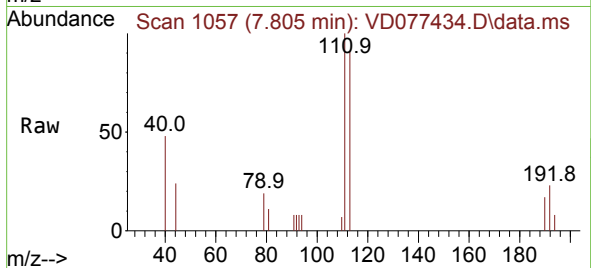
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Acq: 26 Oct 2023 18:30

Instrument :

MSVOA_D

ClientSampleId :



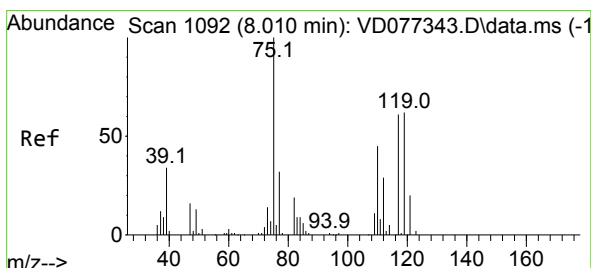
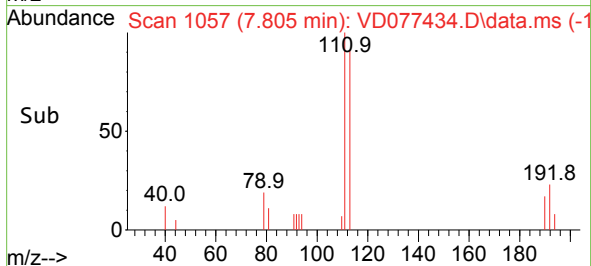
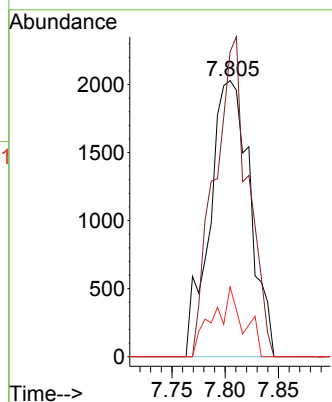
Tgt Ion:113 Resp: 5325

Ion Ratio Lower Upper

113 100

111 97.2 84.7 127.1

192 19.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 2.166 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD077434.D

Acq: 26 Oct 2023 18:30

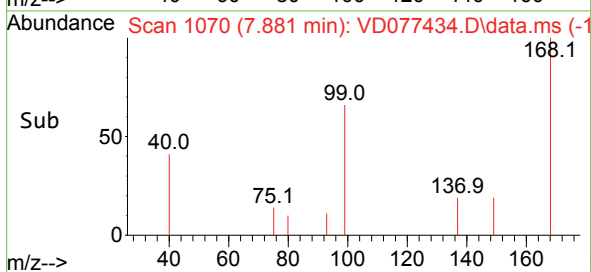
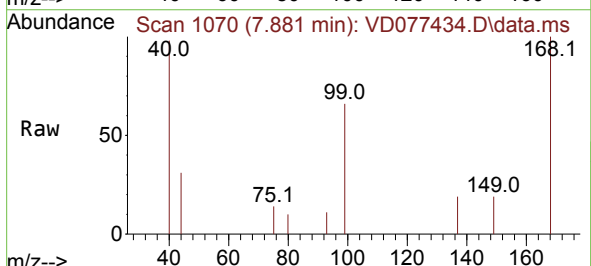
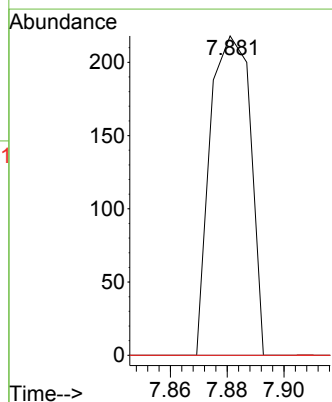
Tgt Ion: 75 Resp: 214

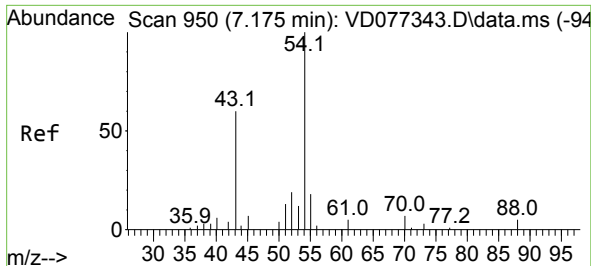
Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.901 ug/l

RT: 6.981 min Scan# 917

Delta R.T. -0.194 min

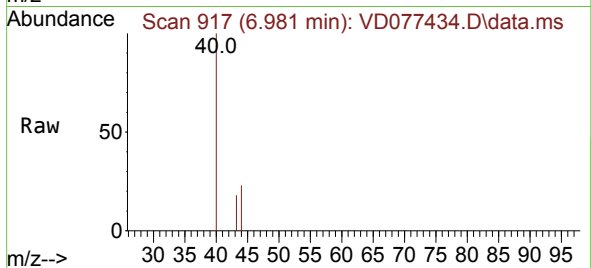
Lab File: VD077434.D

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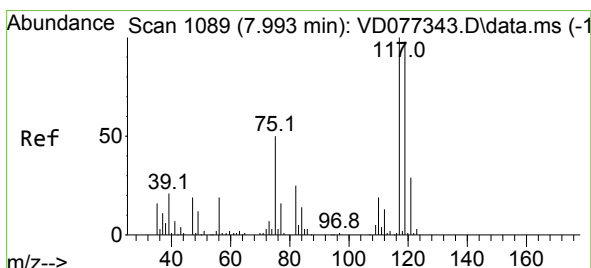
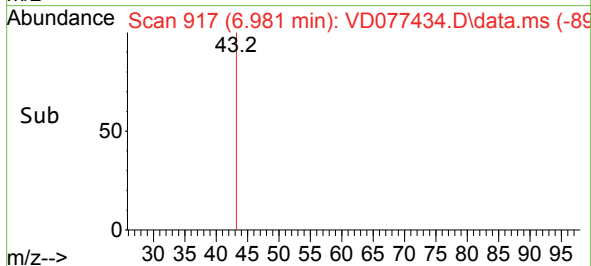
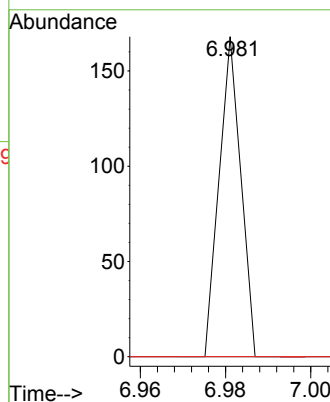
Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 1.037 ug/l

RT: 7.899 min Scan# 1073

Delta R.T. -0.094 min

Lab File: VD077434.D

Acq: 26 Oct 2023 18:30

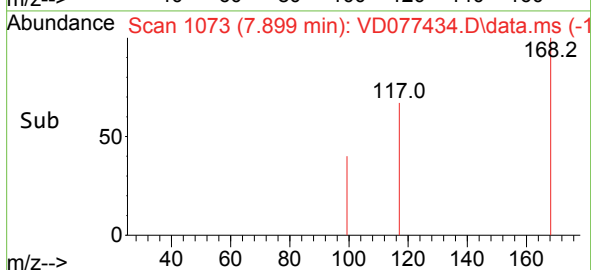
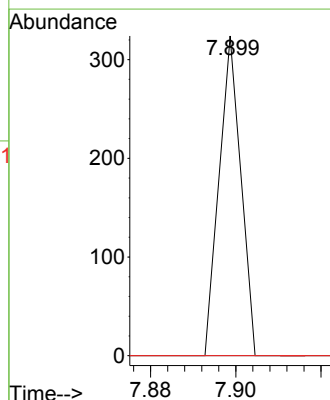
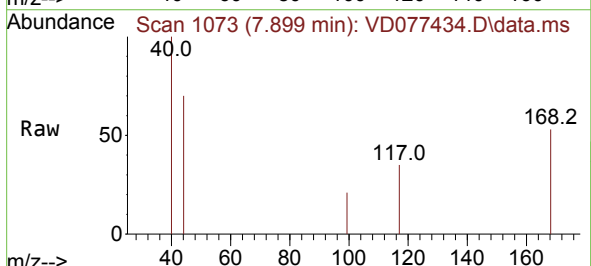
Tgt Ion: 117 Resp: 114

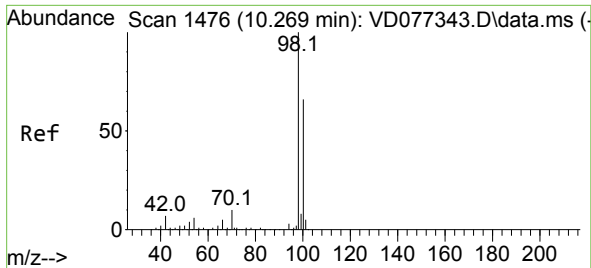
Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#

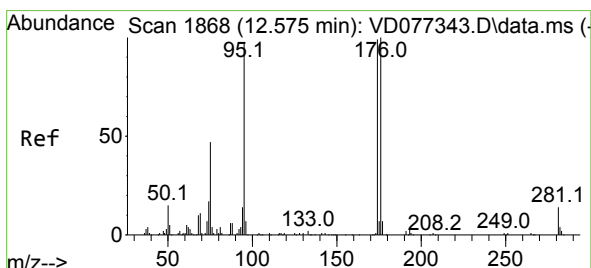
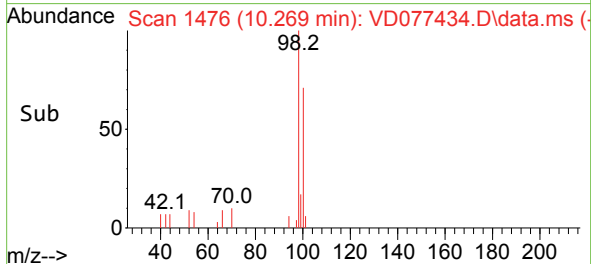
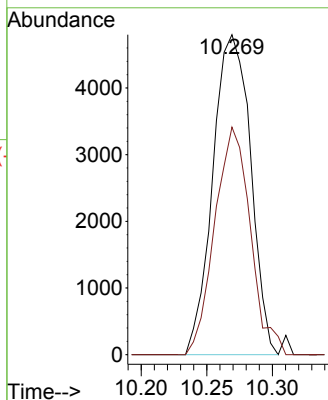
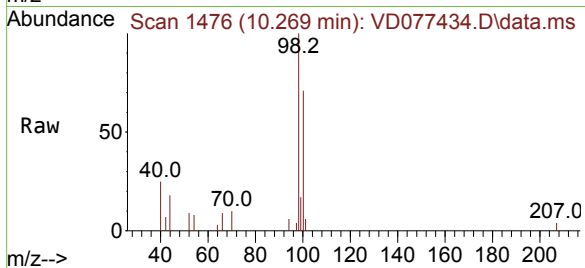




#50
Toluene-d8
Concen: 35.645 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077434.D
Acq: 26 Oct 2023 18:30

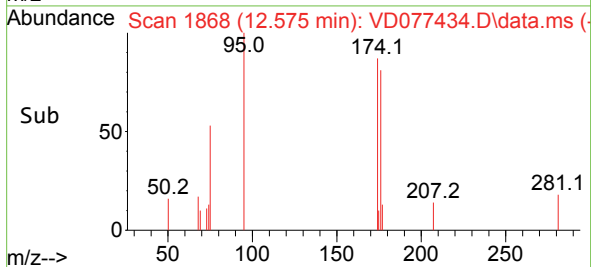
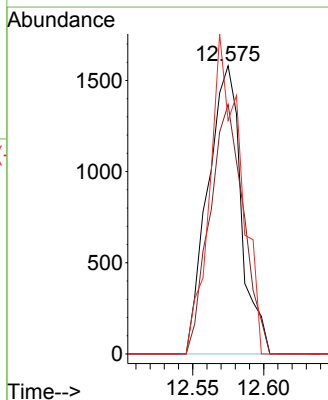
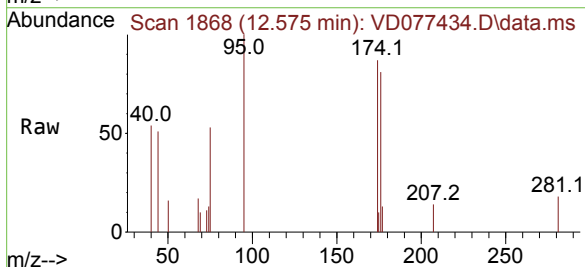
Instrument :
MSVOA_D
ClientSampleId :

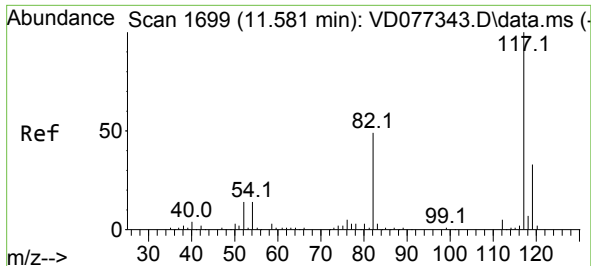
Tgt Ion: 98 Resp: 9599
Ion Ratio Lower Upper
98 100
100 67.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 33.257 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077434.D
Acq: 26 Oct 2023 18:30

Tgt Ion: 95 Resp: 2578
Ion Ratio Lower Upper
95 100
174 88.2 0.0 201.8
176 102.1 0.0 191.8

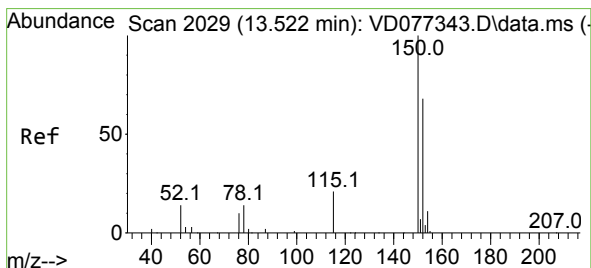
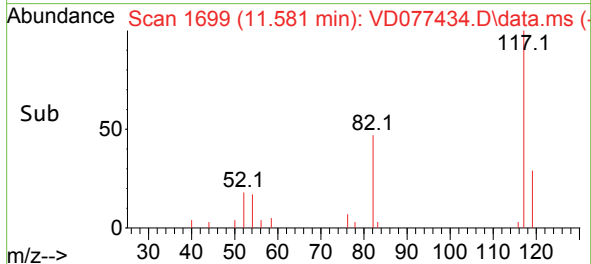
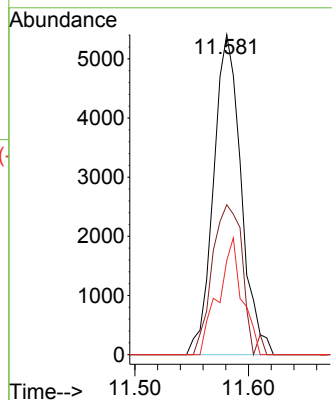
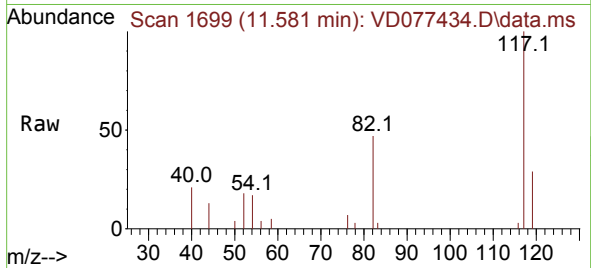




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077434.D
Acq: 26 Oct 2023 18:30

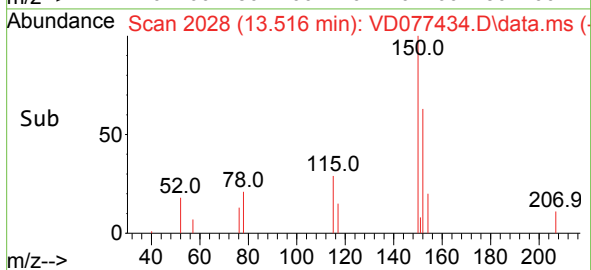
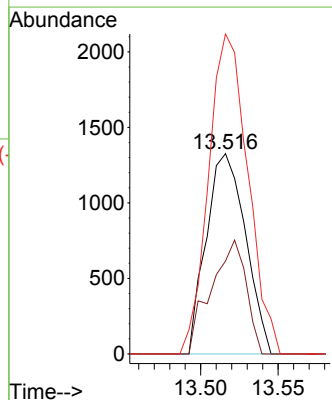
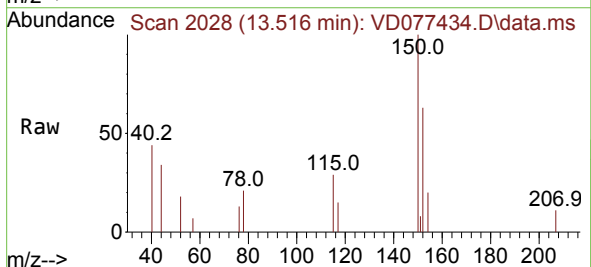
Instrument :
MSVOA_D
ClientSampleId :

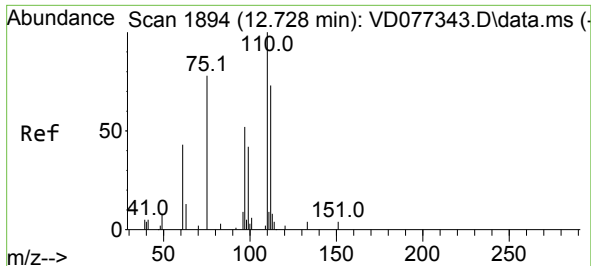
Tgt Ion:117 Resp: 9109
Ion Ratio Lower Upper
117 100
82 46.8 38.3 57.5
119 29.4 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077434.D
Acq: 26 Oct 2023 18:30

Tgt Ion:152 Resp: 2334
Ion Ratio Lower Upper
152 100
115 50.8 27.1 81.3
150 160.3 0.0 353.6

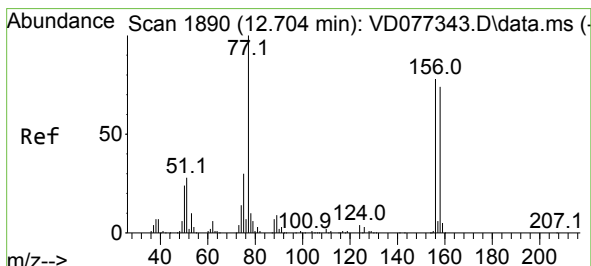
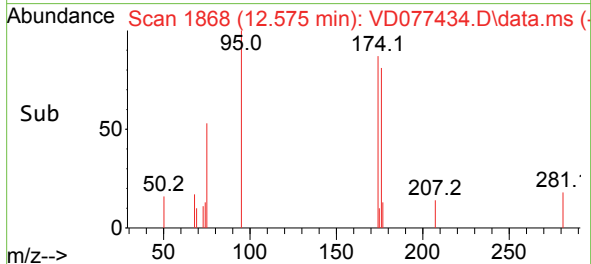
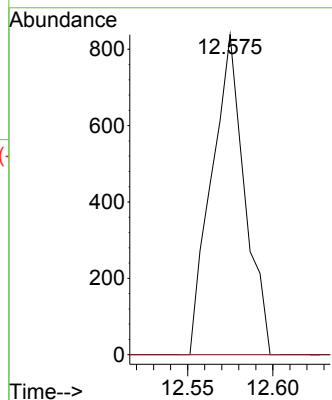
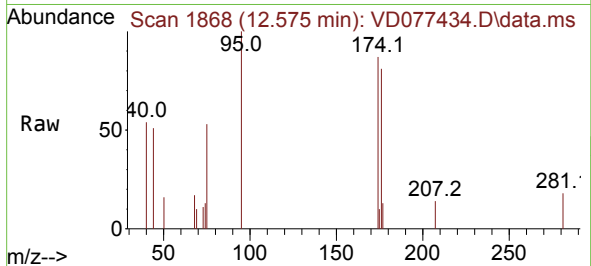




#76
1,2,3-Trichloropropane
Concen: 36.478 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.153 min
Lab File: VD077434.D
Acq: 26 Oct 2023 18:30

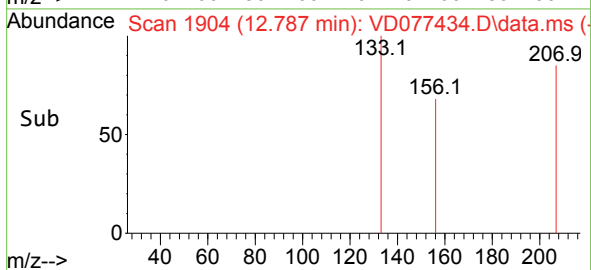
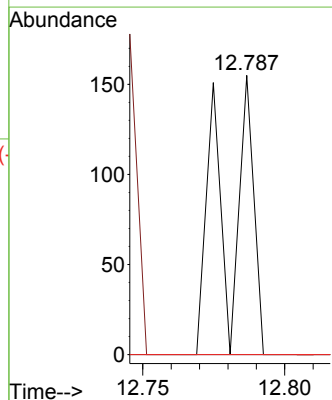
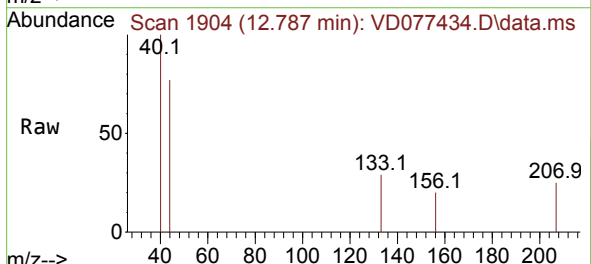
Instrument :
MSVOA_D
ClientSampleId :

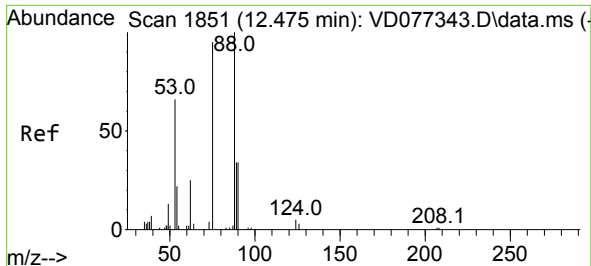
Tgt Ion: 75 Resp: 1131
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 2.665 ug/l
RT: 12.787 min Scan# 1904
Delta R.T. 0.082 min
Lab File: VD077434.D
Acq: 26 Oct 2023 18:30

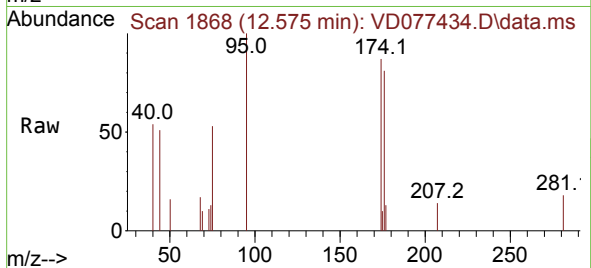
Tgt Ion: 156 Resp: 108
Ion Ratio Lower Upper
156 100
77 0.0 76.8 230.4#
158 0.0 48.6 145.9#



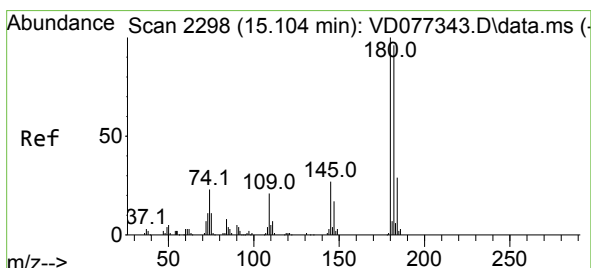
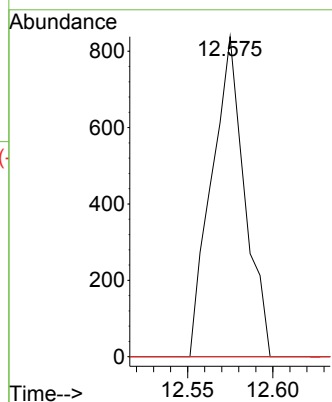
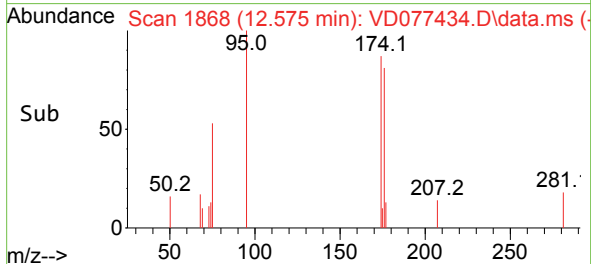


#81
trans-1,4-Dichloro-2-butene
Concen: 129.844 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD077434.D
Acq: 26 Oct 2023 18:30

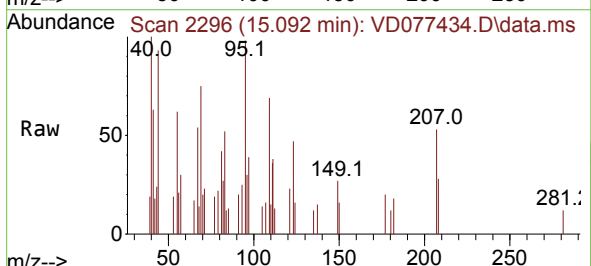
Instrument :
MSVOA_D
ClientSampleId :



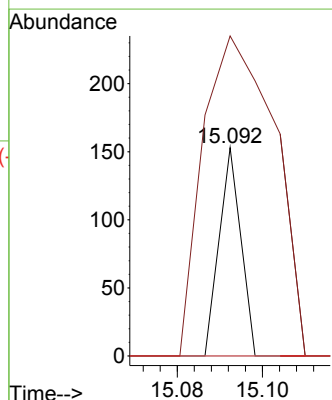
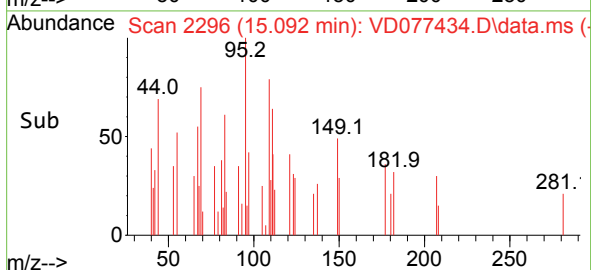
Tgt Ion: 75 Resp: 1131
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

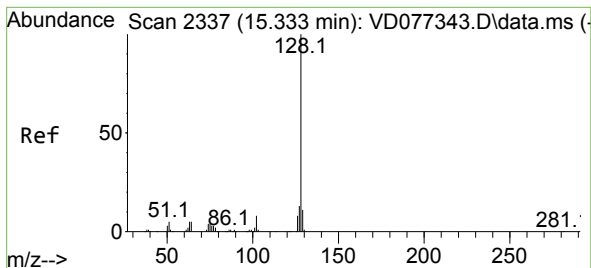


#93
1,2,4-Trichlorobenzene
Concen: 1.203 ug/l
RT: 15.092 min Scan# 2296
Delta R.T. -0.012 min
Lab File: VD077434.D
Acq: 26 Oct 2023 18:30



Tgt Ion: 180 Resp: 54
Ion Ratio Lower Upper
180 100
182 507.4 48.5 145.6#
145 0.0 14.2 42.6#





#95

Naphthalene

Concen: 4.802 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD077434.D

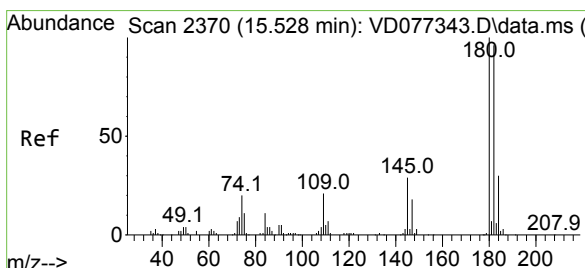
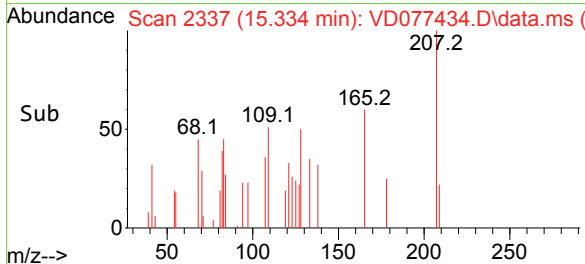
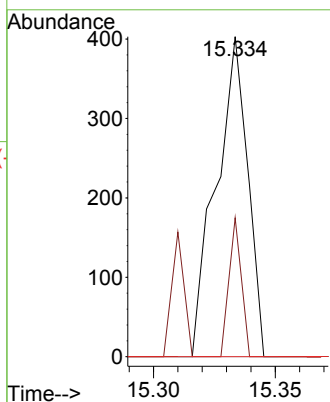
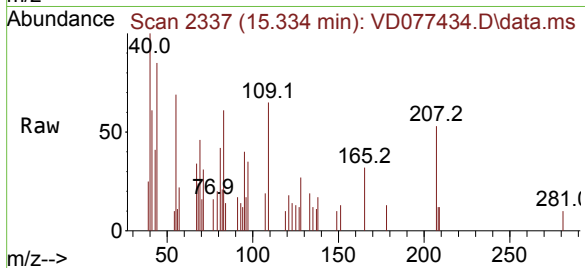
Acq: 26 Oct 2023 18:30

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:128	Resp:	364
Ion Ratio	Lower	Upper
128	100	
127	43.4	10.5 15.7#
129	0.0	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 12.755 ug/l

RT: 15.545 min Scan# 2373

Delta R.T. 0.018 min

Lab File: VD077434.D

Acq: 26 Oct 2023 18:30

Tgt Ion:180	Resp:	497
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.3 141.9#
145	11.3	15.1 45.3#

