

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092524\
 Data File : VX043158.D
 Acq On : 25 Sep 2024 17:07
 Operator : JC/MD
 Sample : P4164-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 26 01:38:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

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

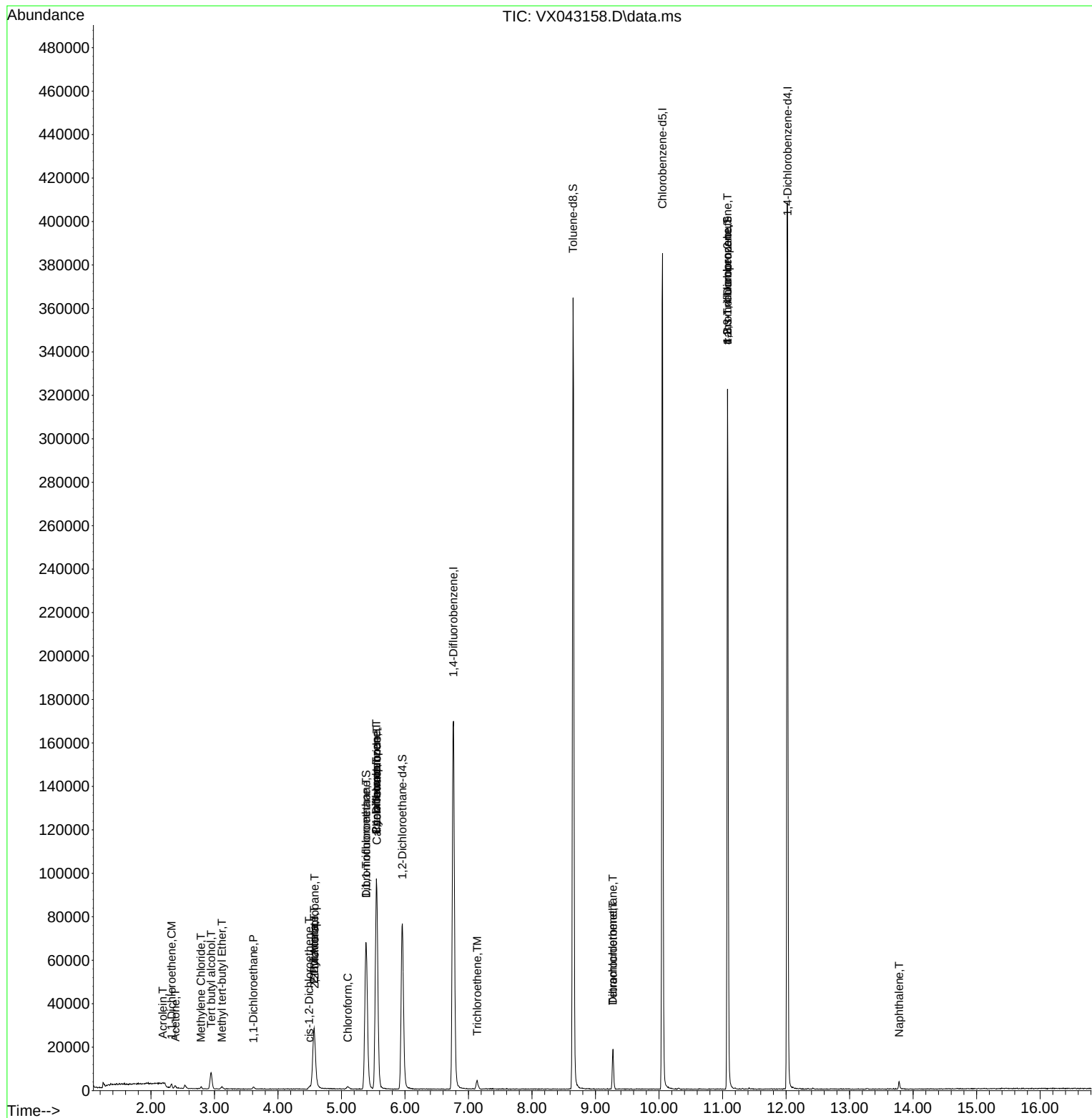
Internal Standards						
1) Pentafluorobenzene	5.550	168	85329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	174303	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	164985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78427	55.333	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.660%			
35) Dibromofluoromethane	5.385	113	59101	48.066	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.140%			
50) Toluene-d8	8.647	98	213115	51.230	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.460%			
62) 4-Bromofluorobenzene	11.079	95	86049	51.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.720%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	4138	13.076	ug/l #	71
12) 1,1-Dichloroethene	2.325	96	632	0.699	ug/l	80
13) Acrolein	2.185	56	47	1.127	ug/l #	1
16) Acetone	2.386	43	1342	2.025	ug/l	90
19) Methyl tert-butyl Ether	3.117	73	1063	0.308	ug/l	98
20) Methylene Chloride	2.788	84	450	0.427	ug/l #	68
24) 1,1-Dichloroethane	3.611	63	1181	0.650	ug/l #	81
25) 2-Butanone	4.568	43	1857	2.173	ug/l #	73
26) 2,2-Dichloropropane	4.574	77	2210	1.201	ug/l #	54
27) cis-1,2-Dichloroethene	4.489	96	872	0.749	ug/l	82
30) Chloroform	5.099	83	1343	0.670	ug/l	99
31) Cyclohexane	5.550	56	2263	1.624	ug/l #	13
32) 1,1,1-Trichloroethane	5.385	97	832	0.438	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	7782	5.151	ug/l #	49
37) Ethyl Acetate	4.568	43	1857	0.979	ug/l #	1
38) Carbon Tetrachloride	5.556	117	9914	5.094	ug/l #	16
44) Trichloroethene	7.135	130	1673	1.372	ug/l	83
60) Dibromochloromethane	9.275	129	3360	2.176	ug/l #	11
64) Tetrachloroethene	9.275	164	3340	2.794	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	47226	27.071	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	47226	64.499	ug/l #	7
95) Naphthalene	13.780	128	2826	0.494	ug/l	99

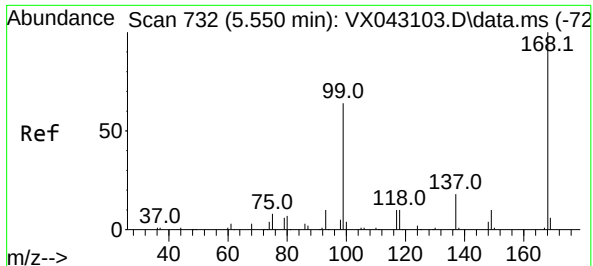
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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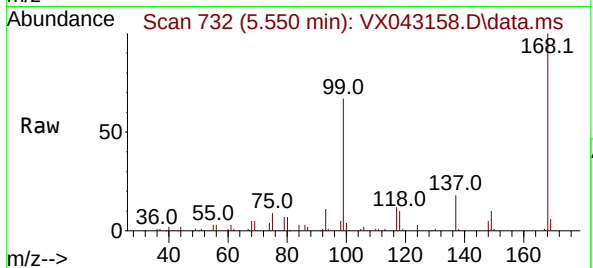


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

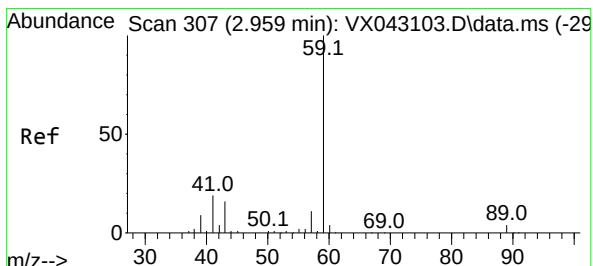
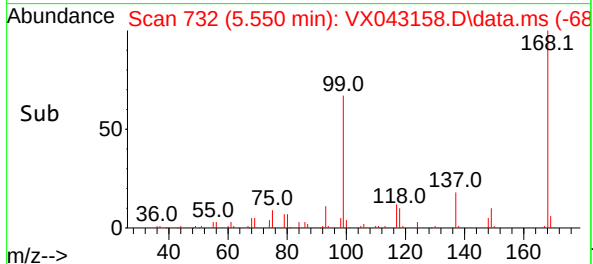
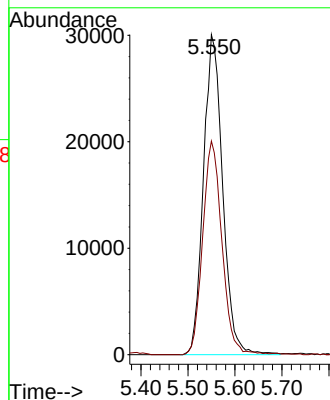
Instrument :

MSVOA_X

ClientSampleId :

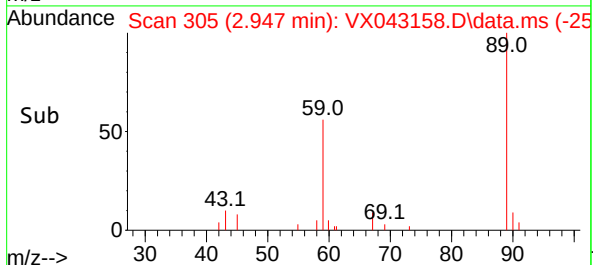
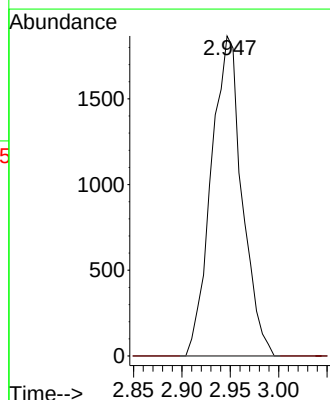
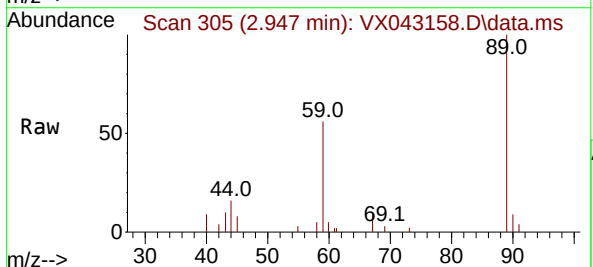


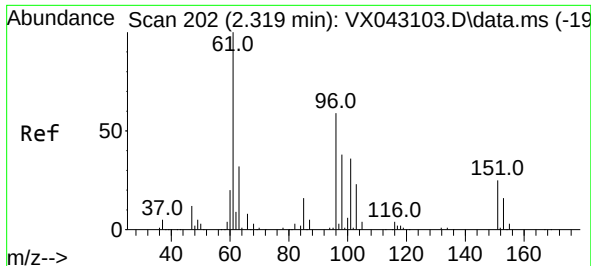
Tgt Ion:168 Resp: 85329
Ion Ratio Lower Upper
168 100
99 66.8 50.8 76.2



#11
Tert butyl alcohol
Concen: 13.076 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

Tgt Ion: 59 Resp: 4138
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#12

1,1-Dichloroethene

Concen: 0.699 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX043158.D

Acq: 25 Sep 2024 17:07

Instrument :

MSVOA_X

ClientSampleId :

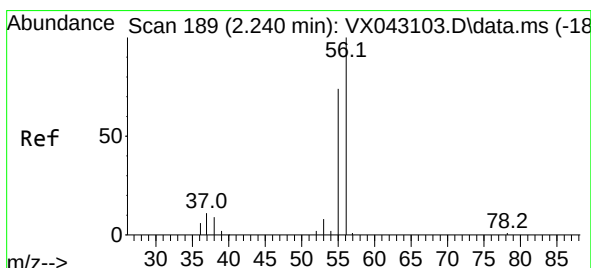
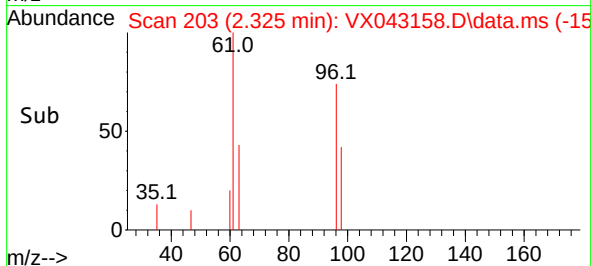
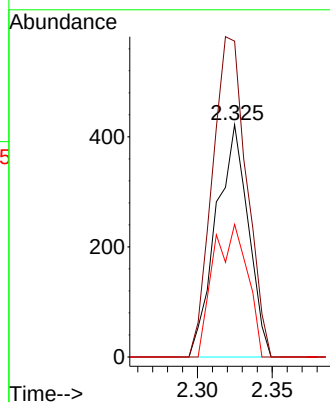
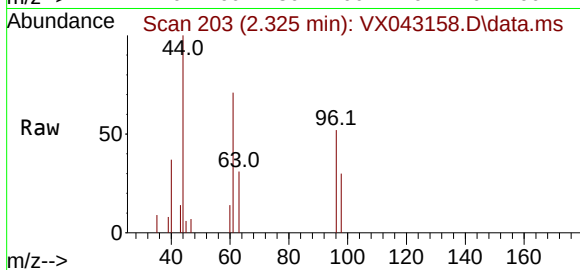
Tgt Ion: 96 Resp: 632

Ion Ratio Lower Upper

96 100

61 136.0 134.7 202.1

98 57.1 51.6 77.4



#13

Acrolein

Concen: 1.127 ug/l

RT: 2.185 min Scan# 180

Delta R.T. -0.055 min

Lab File: VX043158.D

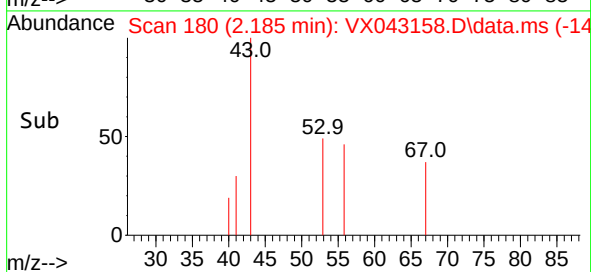
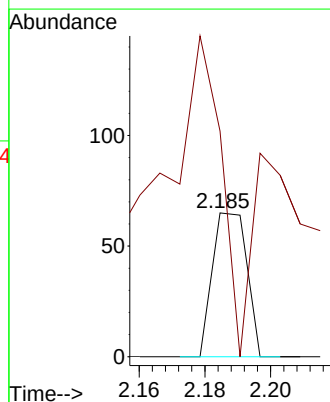
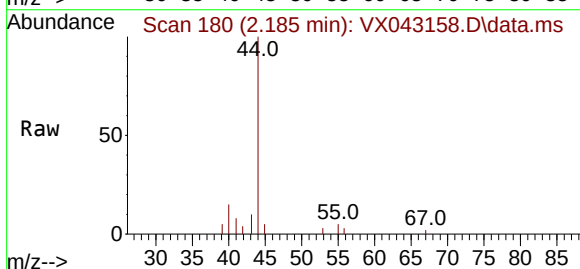
Acq: 25 Sep 2024 17:07

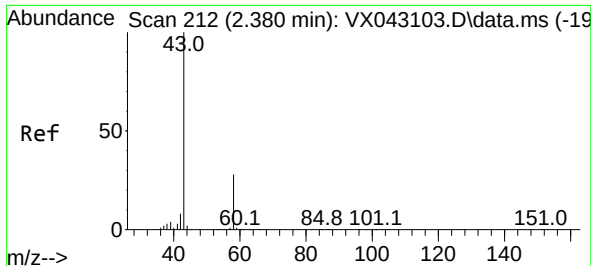
Tgt Ion: 56 Resp: 47

Ion Ratio Lower Upper

56 100

55 421.3 55.8 83.6#

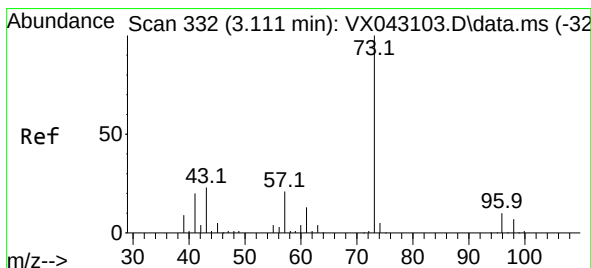
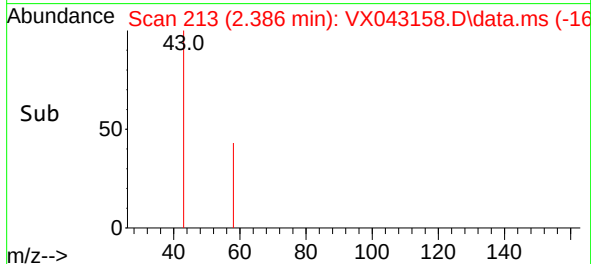
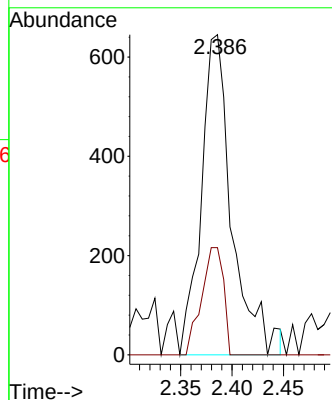
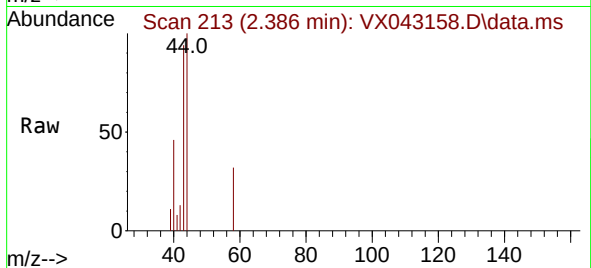




#16
Acetone
Concen: 2.025 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

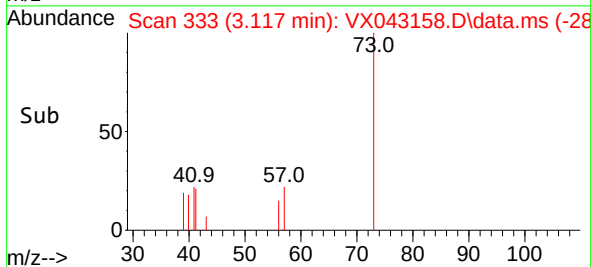
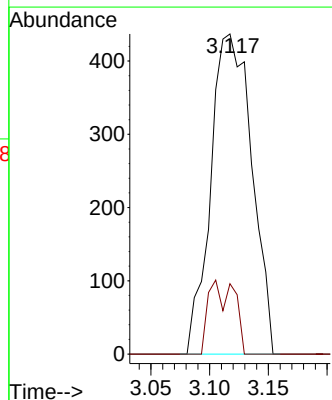
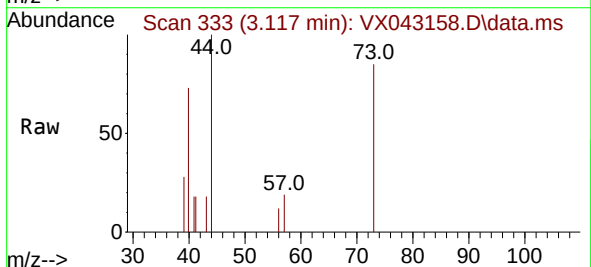
Instrument :
MSVOA_X
ClientSampleId :

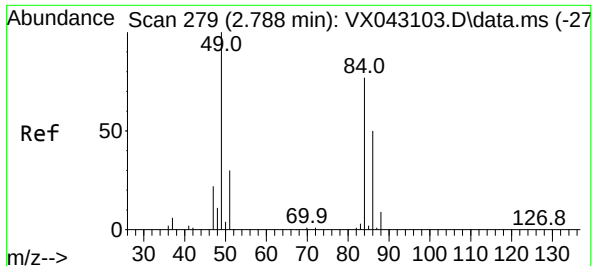
Tgt Ion: 43 Resp: 1342
Ion Ratio Lower Upper
43 100
58 33.5 22.6 34.0



#19
Methyl tert-butyl Ether
Concen: 0.308 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

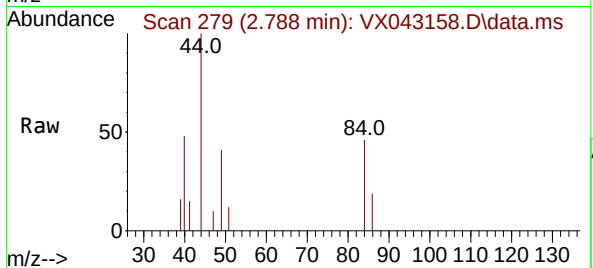
Tgt Ion: 73 Resp: 1063
Ion Ratio Lower Upper
73 100
57 22.0 17.0 25.4



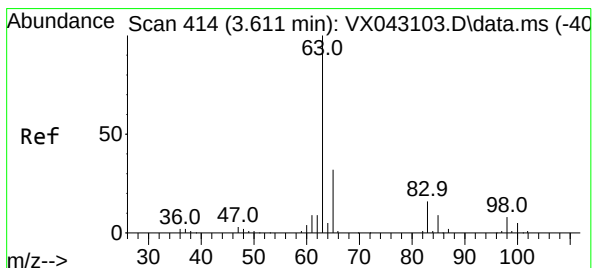
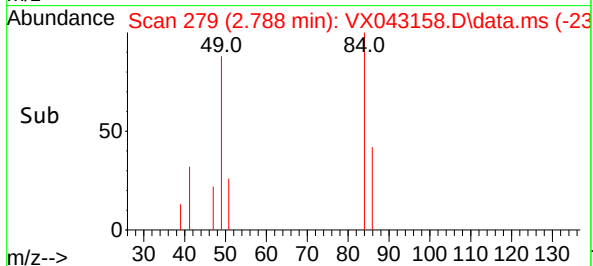
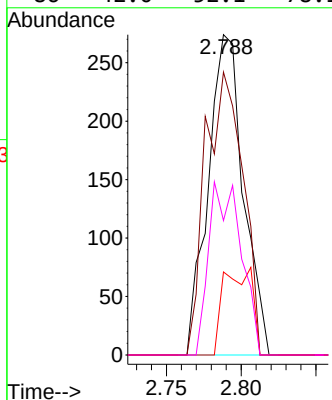


#20
Methylene Chloride
Concen: 0.427 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

Instrument :
MSVOA_X
ClientSampleId :

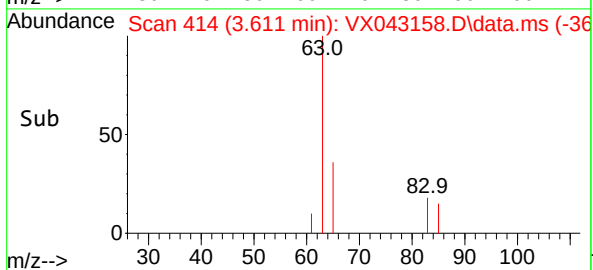
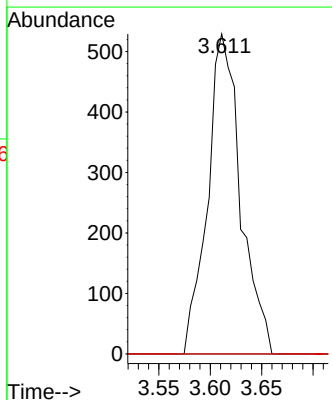
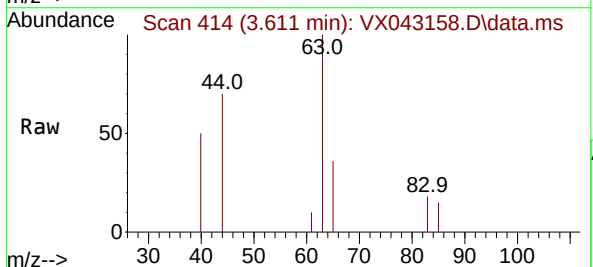


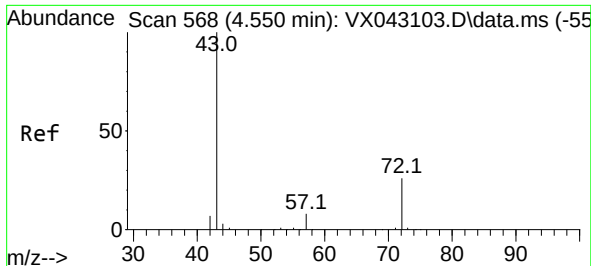
Tgt Ion:	84	Resp:	450
Ion	Ratio	Lower	Upper
84	100		
49	88.3	104.1	156.1#
51	25.9	31.1	46.7#
86	42.0	52.1	78.1#



#24
1,1-Dichloroethane
Concen: 0.650 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

Tgt Ion:	63	Resp:	1181
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.9	11.5#
100	0.0	2.5	7.6#





#25

2-Butanone

Concen: 2.173 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX043158.D

Acq: 25 Sep 2024 17:07

Instrument :

MSVOA_X

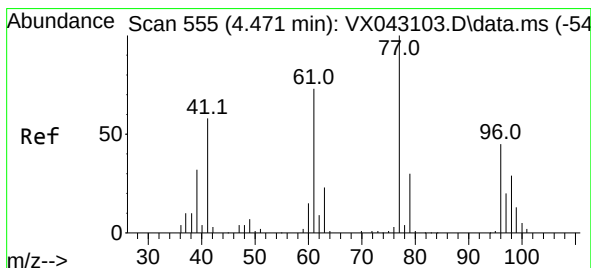
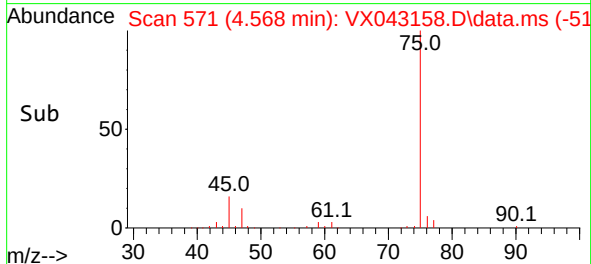
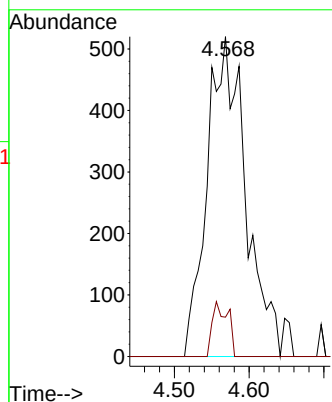
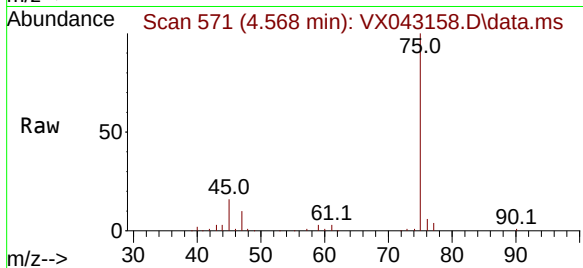
ClientSampleId :

Tgt Ion: 43 Resp: 1857

Ion Ratio Lower Upper

43 100

72 12.3 20.7 31.1#



#26

2,2-Dichloropropane

Concen: 1.201 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.104 min

Lab File: VX043158.D

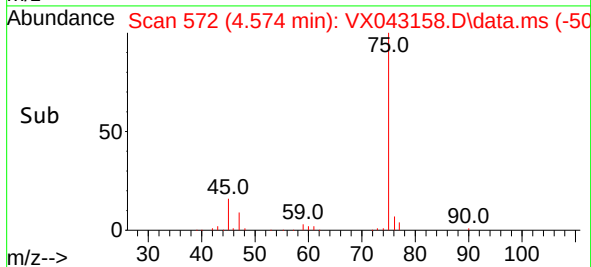
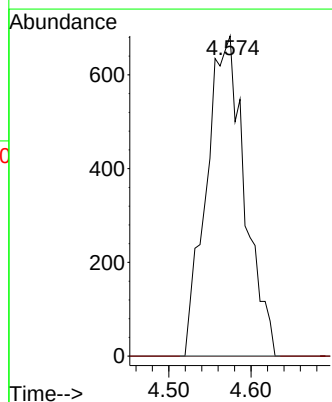
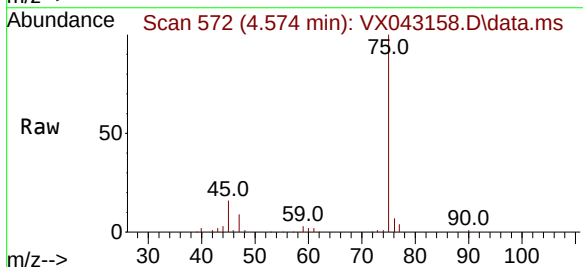
Acq: 25 Sep 2024 17:07

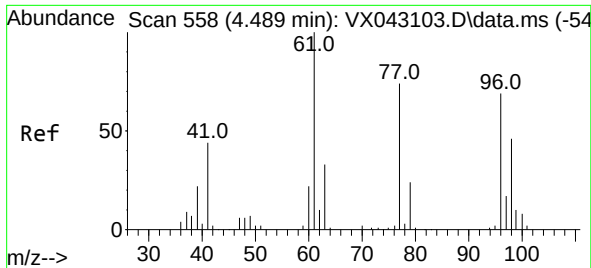
Tgt Ion: 77 Resp: 2210

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 0.749 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX043158.D

Acq: 25 Sep 2024 17:07

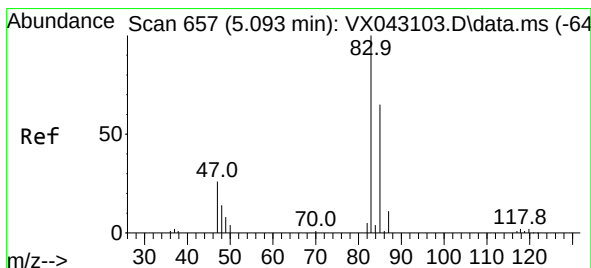
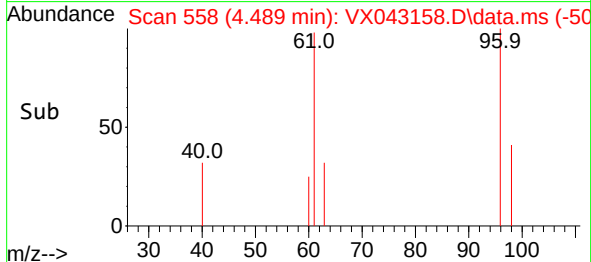
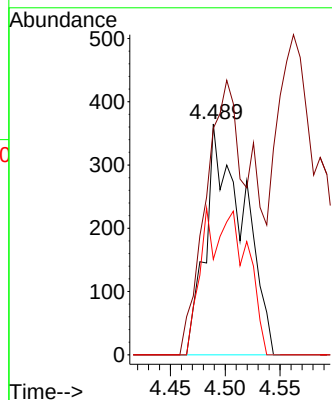
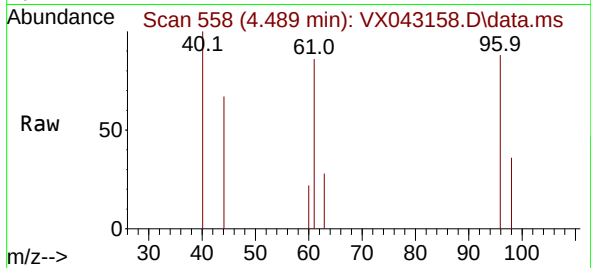
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 96 Resp: 872

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	297.8
98	24.5	0.0	131.2



#30

Chloroform

Concen: 0.670 ug/l

RT: 5.099 min Scan# 658

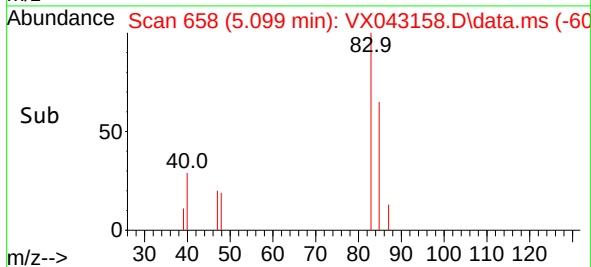
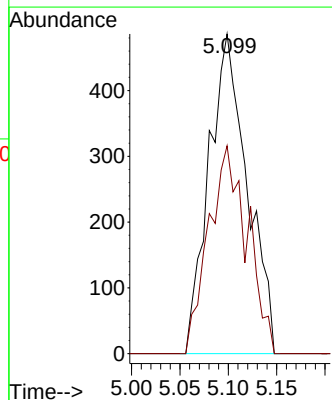
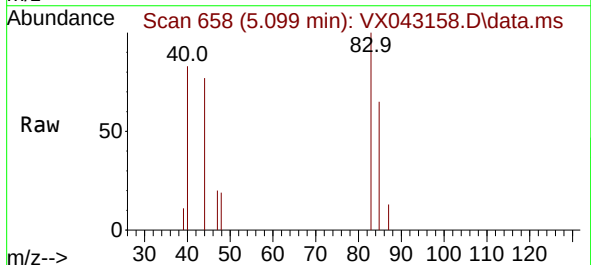
Delta R.T. 0.006 min

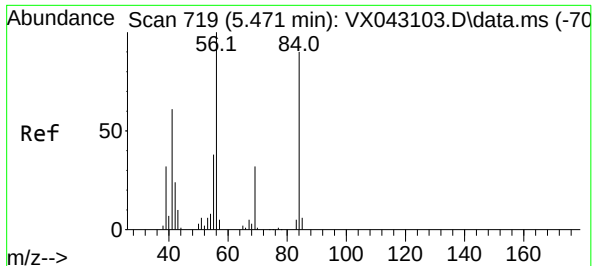
Lab File: VX043158.D

Acq: 25 Sep 2024 17:07

Tgt Ion: 83 Resp: 1343

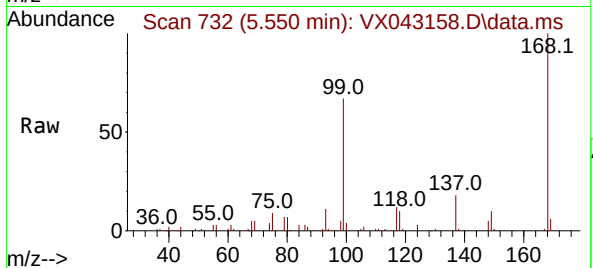
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.4	78.6



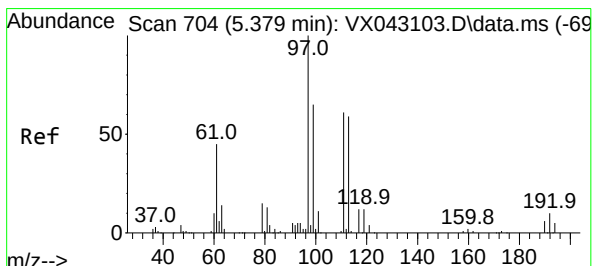
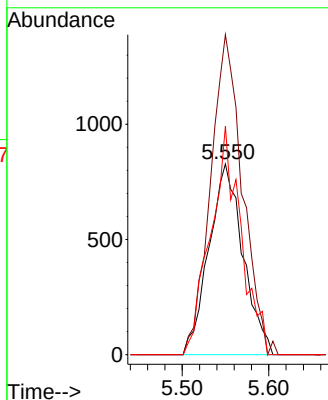
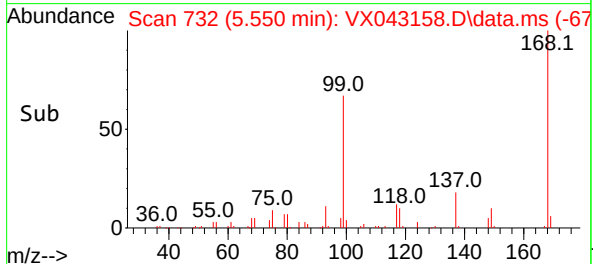


#31
Cyclohexane
Concen: 1.624 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

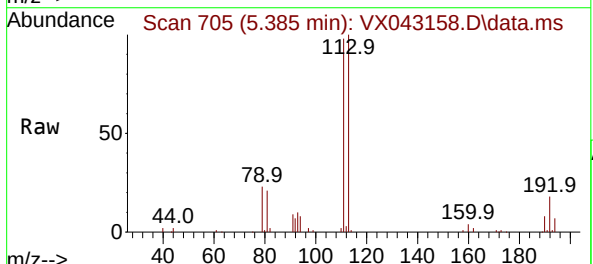
Instrument :
MSVOA_X
ClientSampleId :



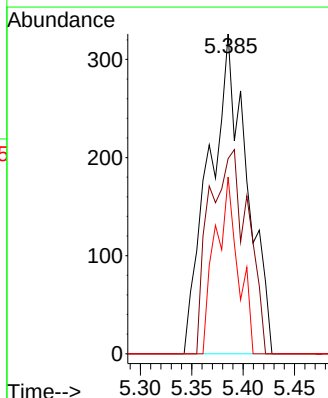
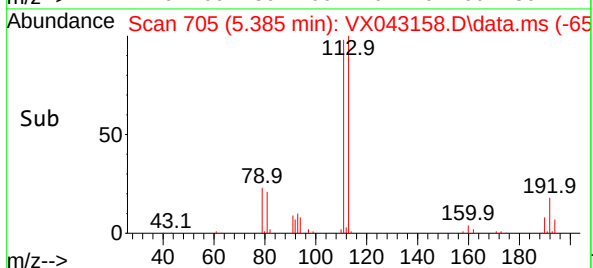
Tgt Ion: 56 Resp: 2263
Ion Ratio Lower Upper
56 100
69 167.8 25.8 38.6#
84 119.8 72.4 108.6#

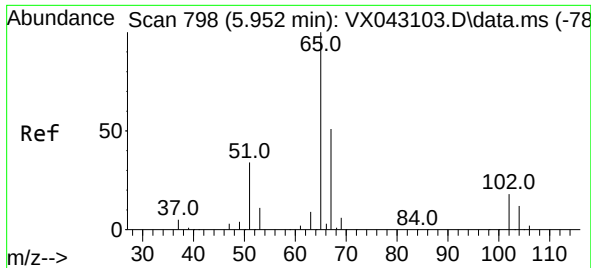


#32
1,1,1-Trichloroethane
Concen: 0.438 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07



Tgt Ion: 97 Resp: 832
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 33.5 35.1 52.7#

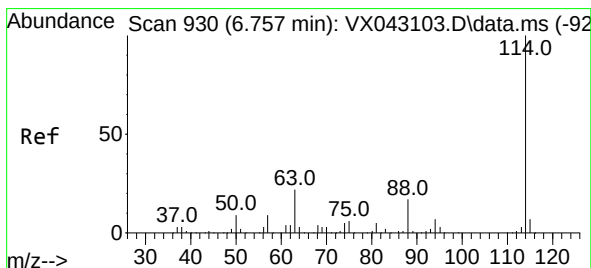
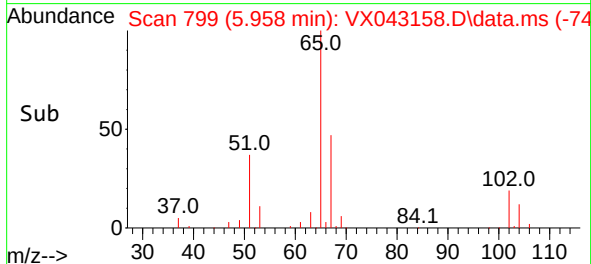
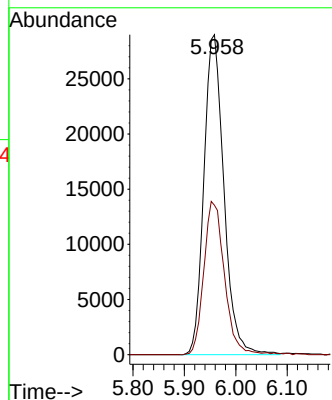
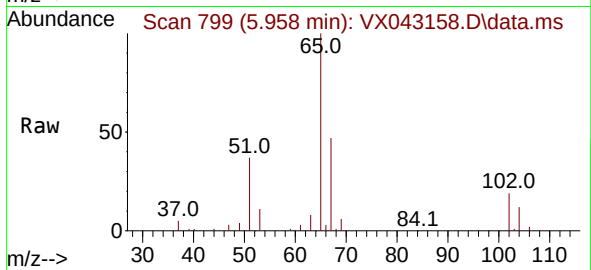




#33
1,2-Dichloroethane-d4
Concen: 55.333 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

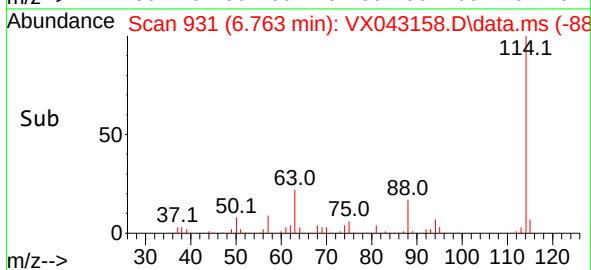
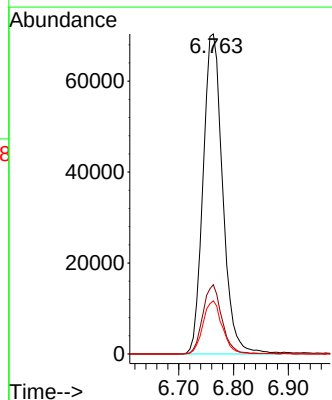
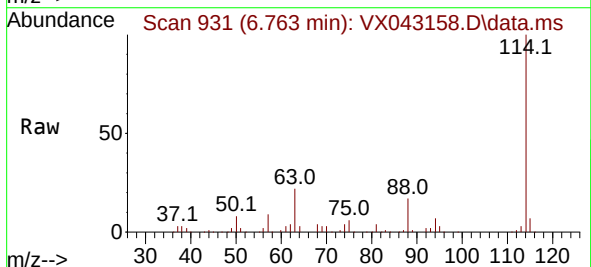
Instrument :
MSVOA_X
ClientSampleId :

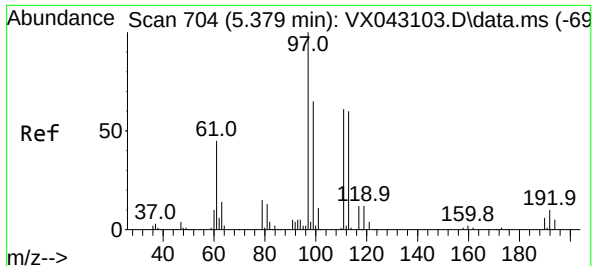
Tgt Ion: 65 Resp: 78427
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

Tgt Ion: 114 Resp: 174303
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.2
88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.066 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

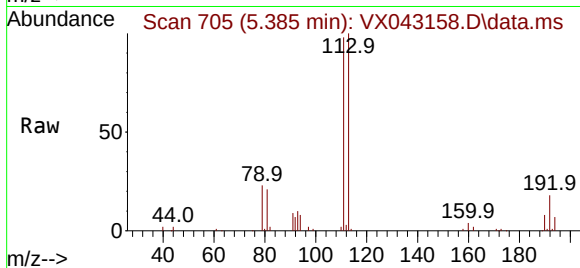
Lab File: VX043158.D

Acq: 25 Sep 2024 17:07

Instrument :

MSVOA_X

ClientSampleId :



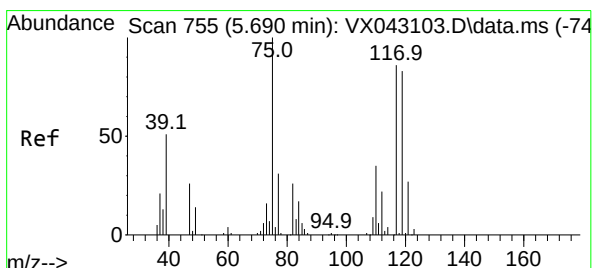
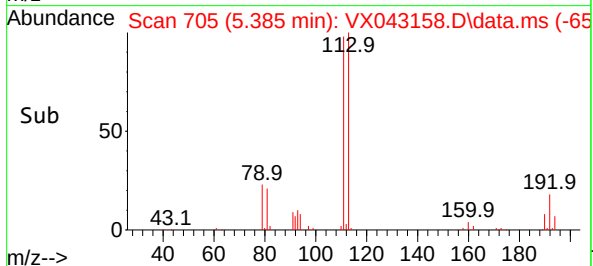
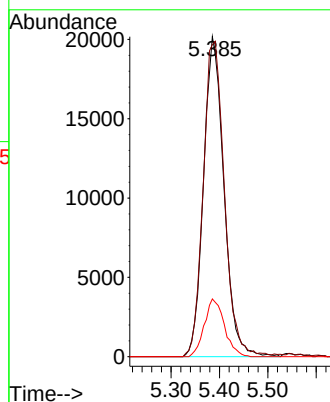
Tgt Ion:113 Resp: 59101

Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 17.8 14.6 22.0



#36

1,1-Dichloropropene

Concen: 5.151 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX043158.D

Acq: 25 Sep 2024 17:07

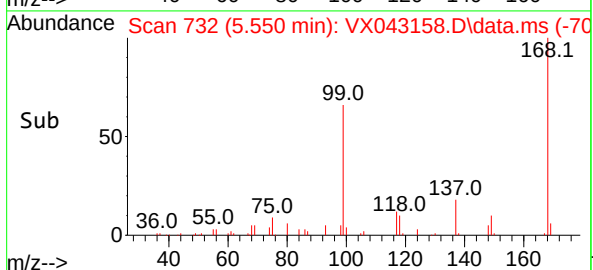
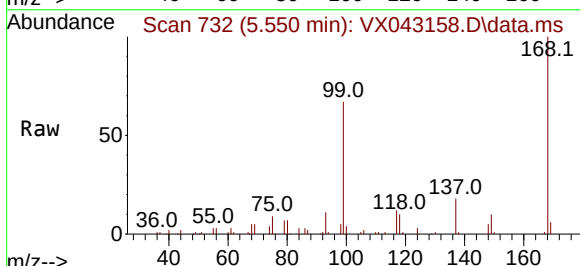
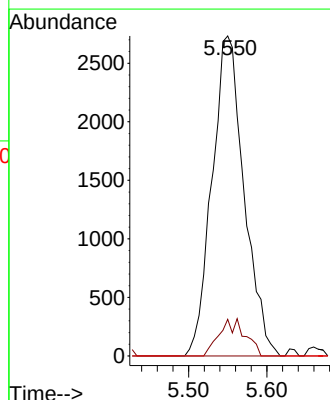
Tgt Ion: 75 Resp: 7782

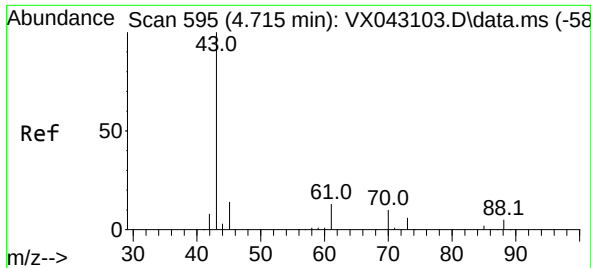
Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.4#

77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 0.979 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX043158.D

Acq: 25 Sep 2024 17:07

Instrument :

MSVOA_X

ClientSampleId :

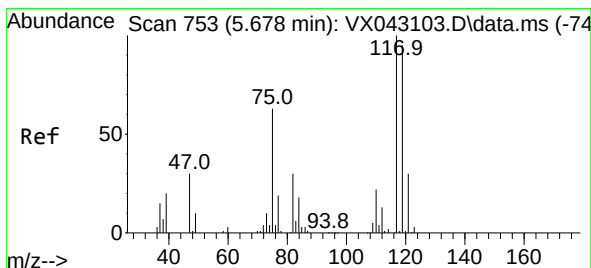
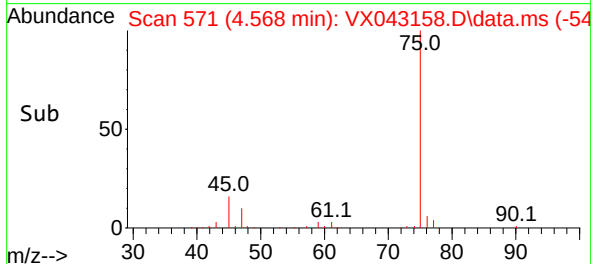
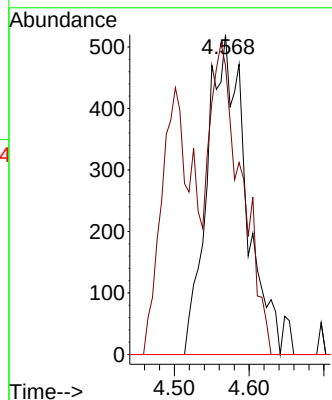
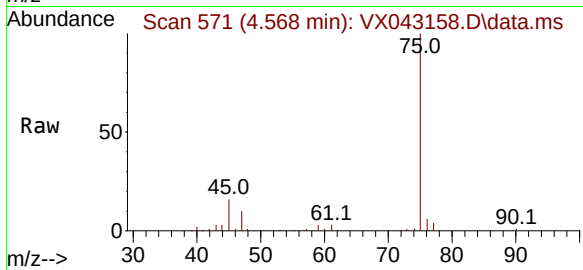
Tgt Ion: 43 Resp: 1857

Ion Ratio Lower Upper

43 100

61 81.3 10.9 16.3#

70 0.0 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 5.094 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX043158.D

Acq: 25 Sep 2024 17:07

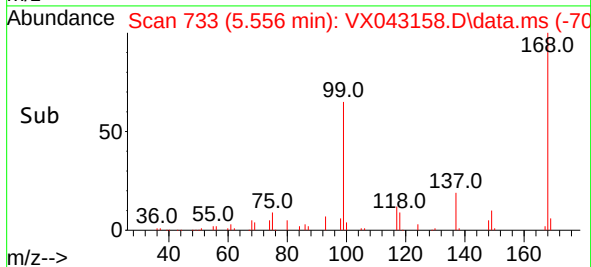
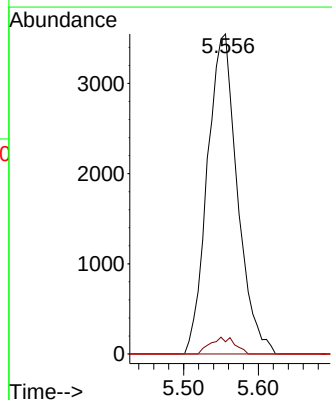
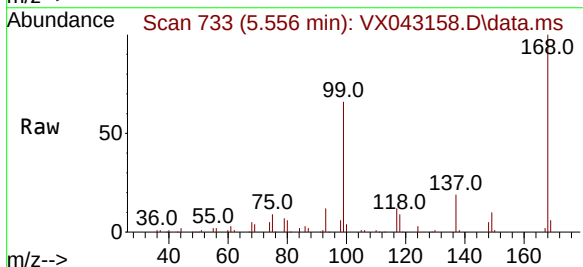
Tgt Ion: 117 Resp: 9914

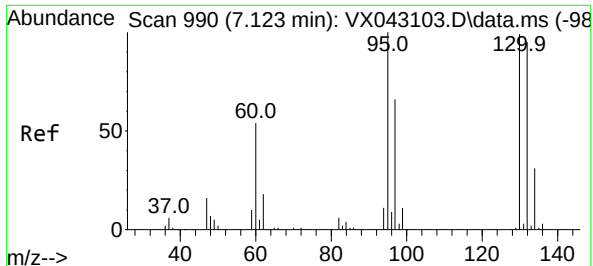
Ion Ratio Lower Upper

117 100

119 3.8 75.5 113.3#

121 0.0 24.2 36.2#

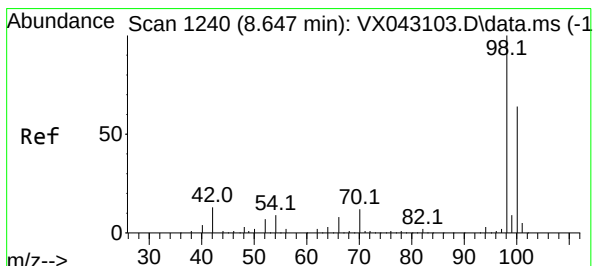
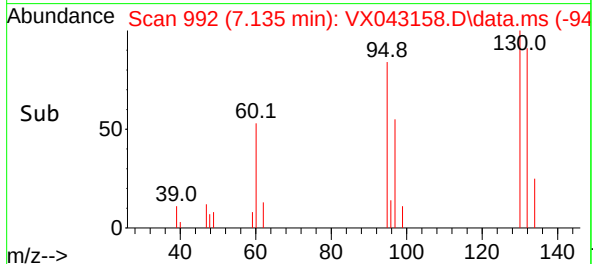
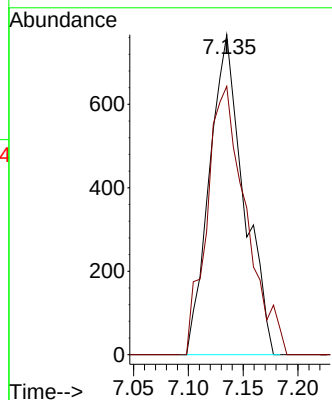
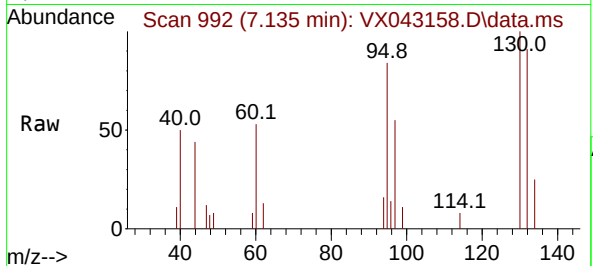




#44
Trichloroethene
Concen: 1.372 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

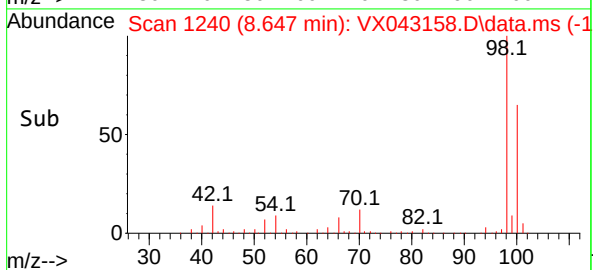
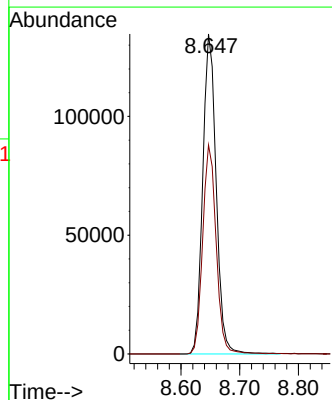
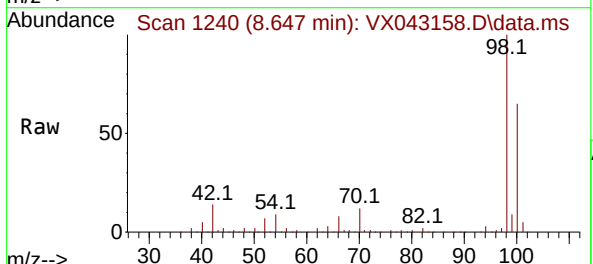
Instrument :
MSVOA_X
ClientSampleId :

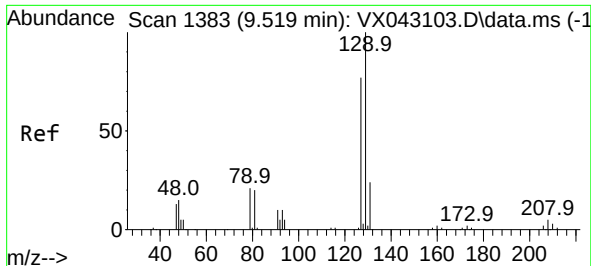
Tgt Ion:130 Resp: 1673
Ion Ratio Lower Upper
130 100
95 83.8 0.0 201.6



#50
Toluene-d8
Concen: 51.230 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

Tgt Ion: 98 Resp: 213115
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

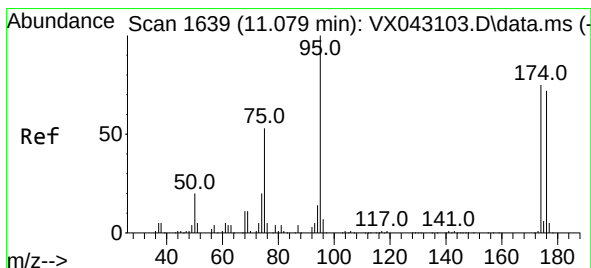
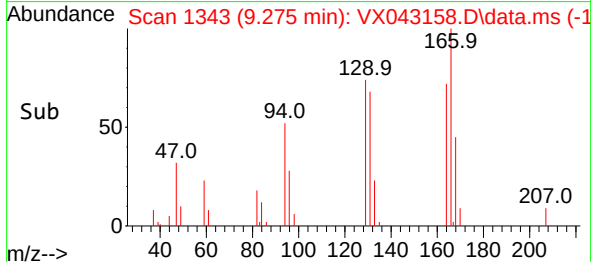
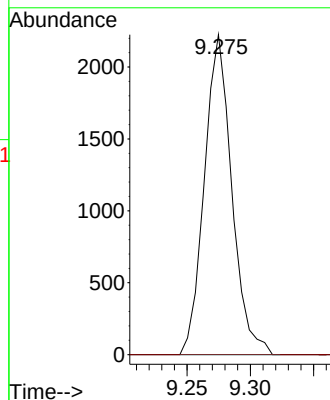
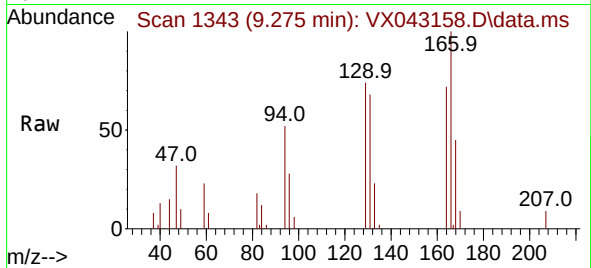




#60
Dibromochloromethane
Concen: 2.176 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

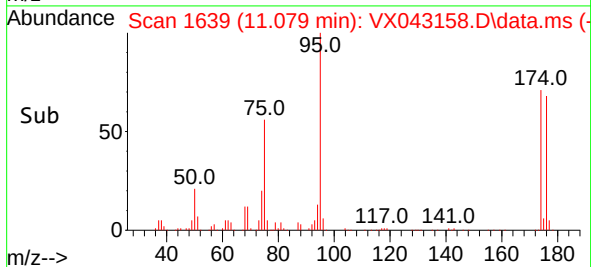
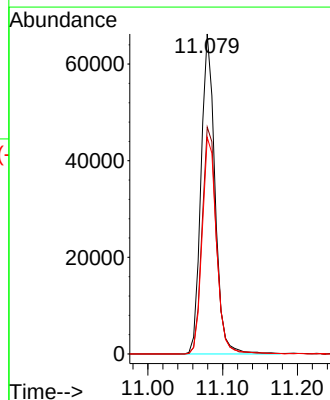
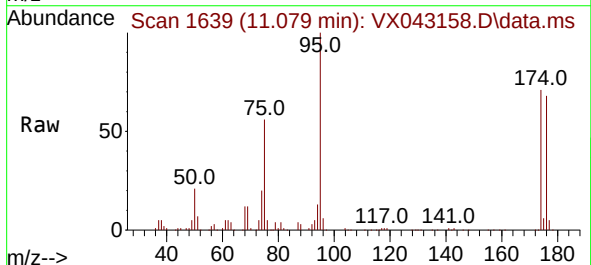
Instrument :
MSVOA_X
ClientSampleId :

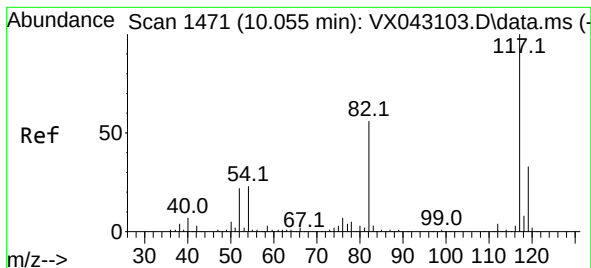
Tgt Ion:129 Resp: 3360
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#



#62
4-Bromofluorobenzene
Concen: 51.364 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

Tgt Ion: 95 Resp: 86049
Ion Ratio Lower Upper
95 100
174 73.0 0.0 146.0
176 69.7 0.0 142.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043158.D

Acq: 25 Sep 2024 17:07

Instrument :

MSVOA_X

ClientSampleId :

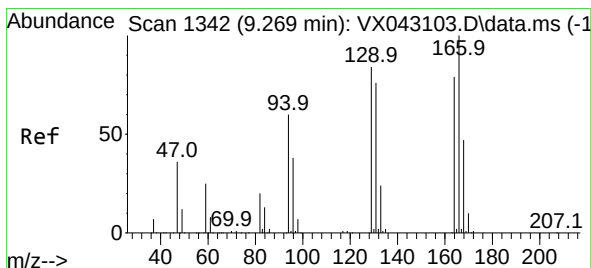
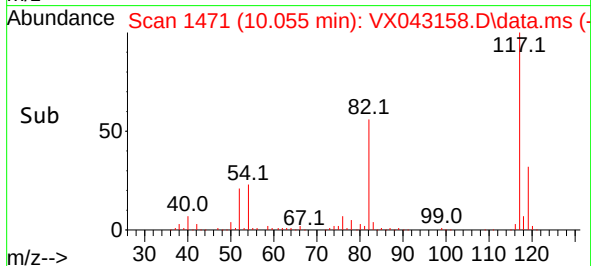
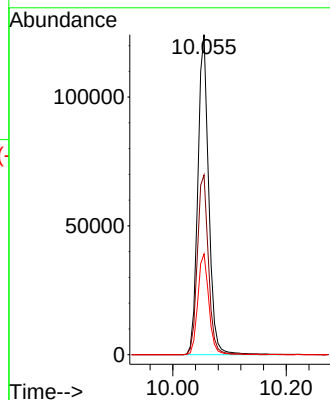
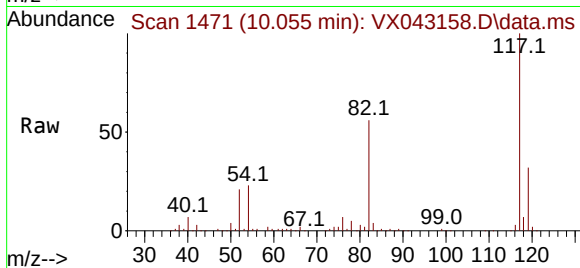
Tgt Ion:117 Resp: 164985

Ion Ratio Lower Upper

117 100

82 56.2 44.7 67.1

119 31.5 26.3 39.5



#64

Tetrachloroethene

Concen: 2.794 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX043158.D

Acq: 25 Sep 2024 17:07

Tgt Ion:164 Resp: 3340

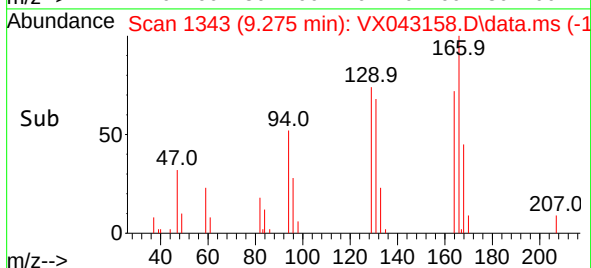
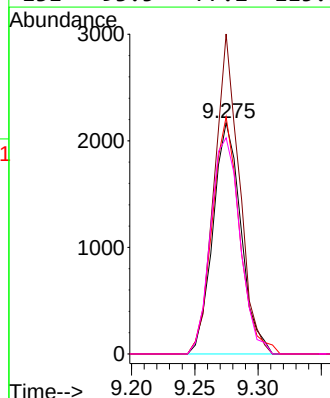
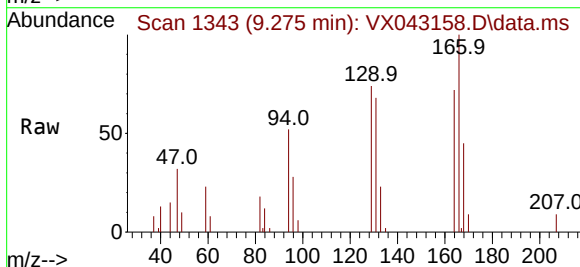
Ion Ratio Lower Upper

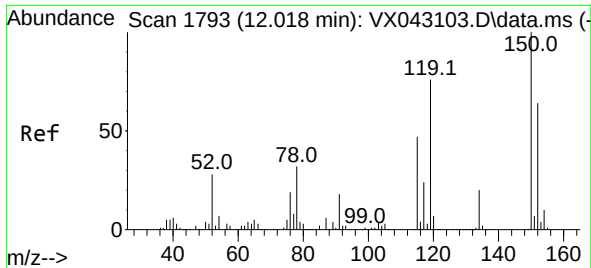
164 100

166 138.5 101.2 151.8

129 102.6 84.7 127.1

131 93.5 77.2 115.8

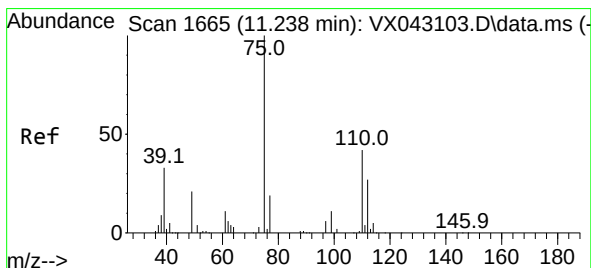
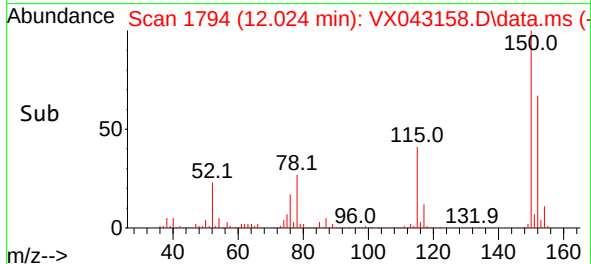
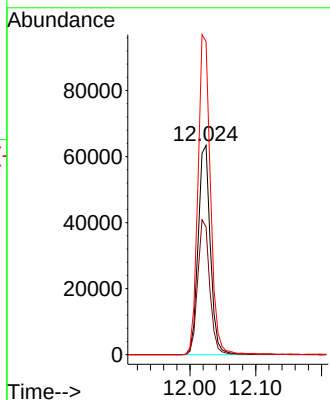
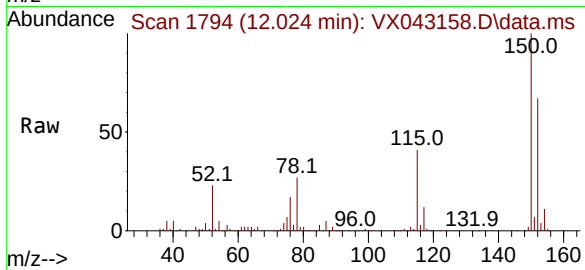




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX043158.D
 Acq: 25 Sep 2024 17:07

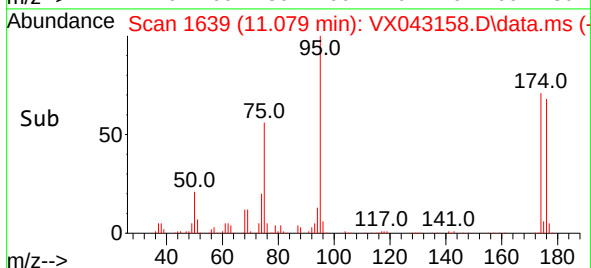
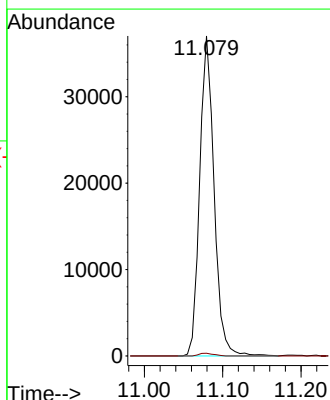
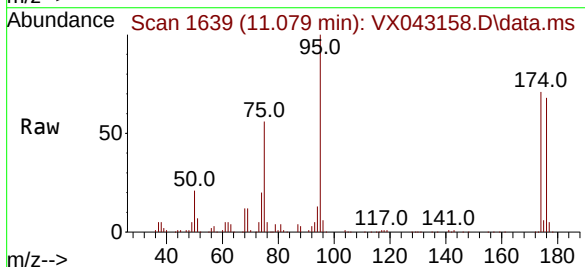
Instrument :
 MSVOA_X
 ClientSampleId :

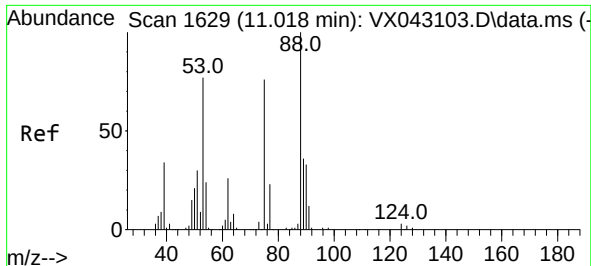
Tgt Ion:152 Resp: 82054
 Ion Ratio Lower Upper
 152 100
 115 63.4 43.7 131.1
 150 156.3 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 27.071 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX043158.D
 Acq: 25 Sep 2024 17:07

Tgt Ion: 75 Resp: 47226
 Ion Ratio Lower Upper
 75 100
 77 0.9 21.9 65.7#

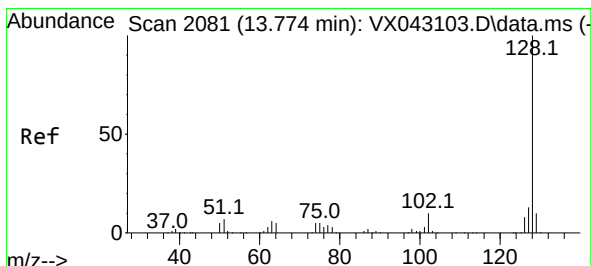
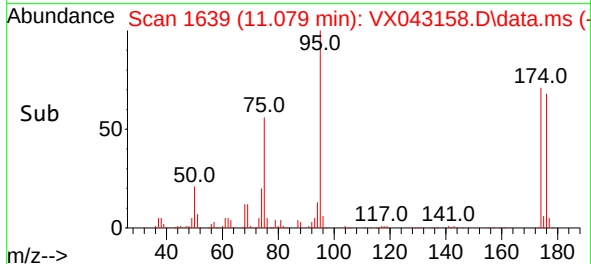
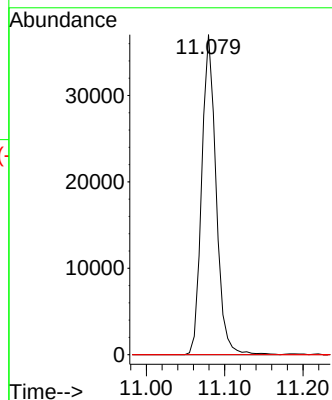
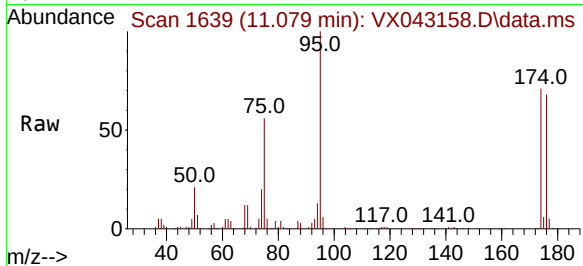




#81
trans-1,4-Dichloro-2-butene
Concen: 64.499 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 47226
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.494 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX043158.D
Acq: 25 Sep 2024 17:07

Tgt Ion: 128 Resp: 2826
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.4 8.6 13.0

