

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092524\
 Data File : VX043153.D
 Acq On : 25 Sep 2024 15:11
 Operator : JC/MD
 Sample : P4164-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 26 01:36:21 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)

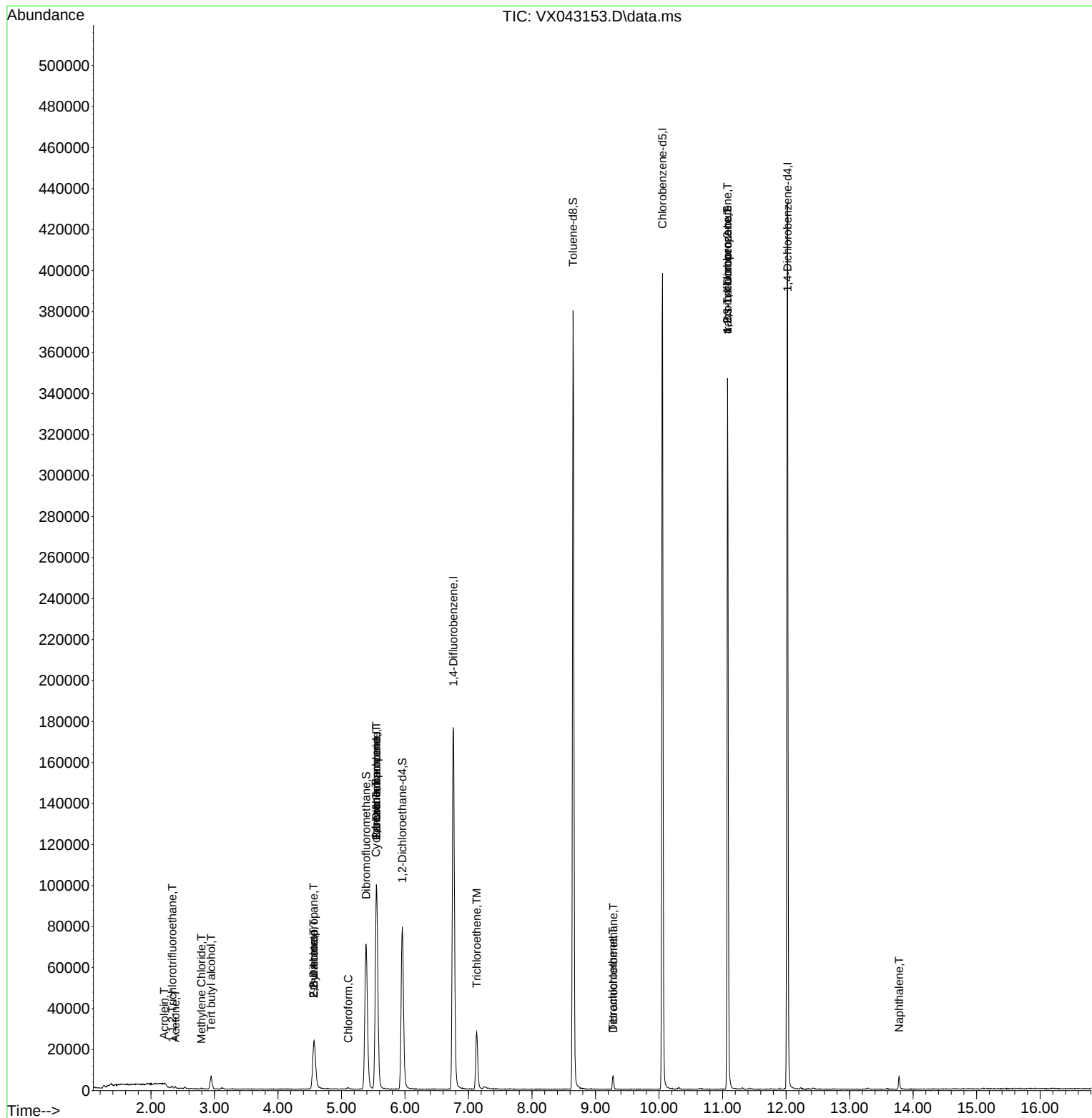
Internal Standards						
1) Pentafluorobenzene	5.550	168	90128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	179551	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81284	54.295	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.600%		
35) Dibromofluoromethane	5.385	113	62184	49.095	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.180%		
50) Toluene-d8	8.647	98	222765	51.984	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.960%		
62) 4-Bromofluorobenzene	11.079	95	91029	52.748	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 105.500%		
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	356	0.356	ug/l #	88
11) Tert butyl alcohol	2.946	59	3393	10.151	ug/l #	75
13) Acrolein	2.209	56	90	2.044	ug/l #	71
16) Acetone	2.385	43	1098	1.568	ug/l #	78
20) Methylene Chloride	2.794	84	240	0.215	ug/l #	80
25) 2-Butanone	4.562	43	1763	1.953	ug/l #	70
26) 2,2-Dichloropropane	4.562	77	1901	0.978	ug/l #	54
30) Chloroform	5.104	83	880	0.416	ug/l	91
31) Cyclohexane	5.543	56	2163	1.469	ug/l #	43
36) 1,1-Dichloropropene	5.550	75	8036	5.163	ug/l #	50
37) Ethyl Acetate	4.562	43	1763	0.902	ug/l #	2
38) Carbon Tetrachloride	5.550	117	9777	4.877	ug/l #	15
44) Trichloroethene	7.129	130	11270	8.969	ug/l	89
60) Dibromochloromethane	9.281	129	1119	0.704	ug/l #	11
64) Tetrachloroethene	9.274	164	1325	1.055	ug/l #	73
76) 1,2,3-Trichloropropane	11.079	75	50924	26.542	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	50924	63.238	ug/l #	7
95) Naphthalene	13.780	128	4854	0.772	ug/l	95

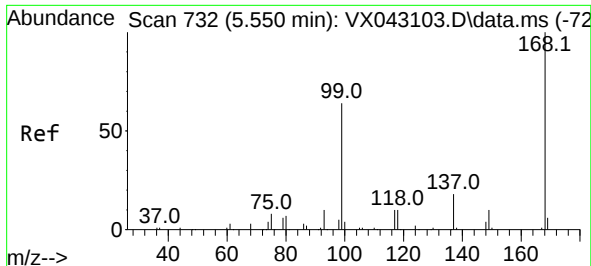
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
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QLast Update : Tue Sep 24 03:13:52 2024
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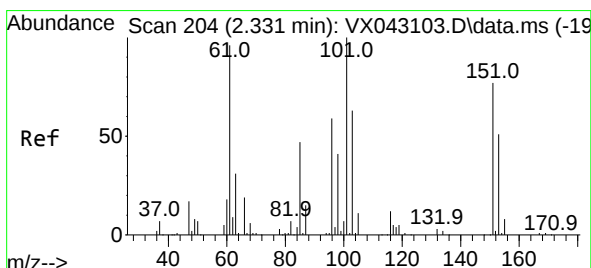
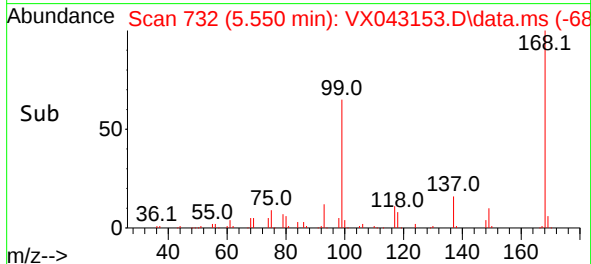
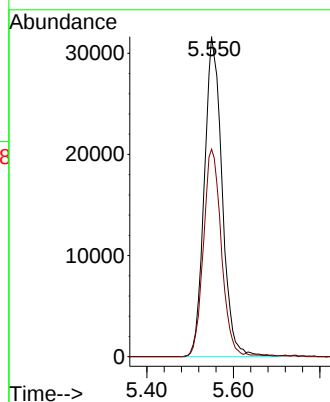
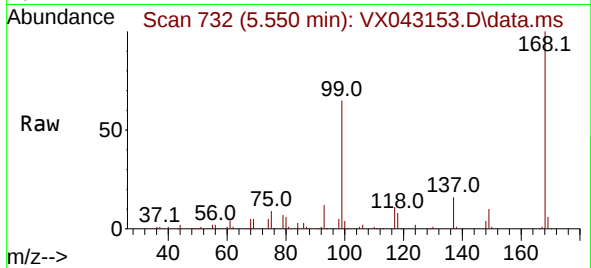




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043153.D
Acq: 25 Sep 2024 15:11

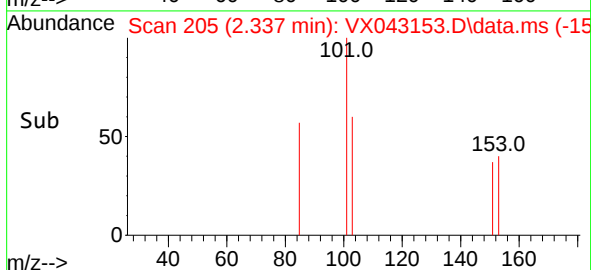
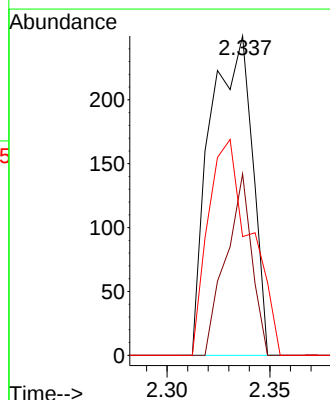
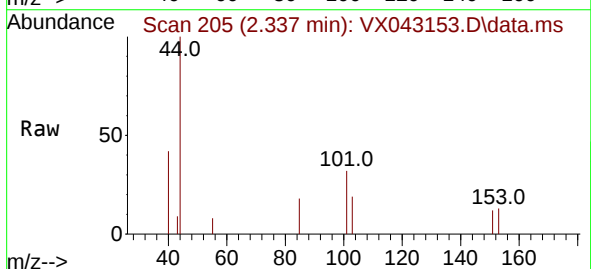
Instrument :
MSVOA_X
ClientSampleId :

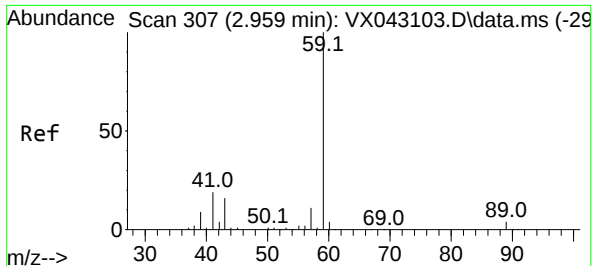
Tgt Ion:168 Resp: 90128
Ion Ratio Lower Upper
168 100
99 64.8 50.8 76.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.356 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX043153.D
Acq: 25 Sep 2024 15:11

Tgt Ion:101 Resp: 356
Ion Ratio Lower Upper
101 100
85 35.1 37.0 55.4#
151 68.0 60.2 90.4





#11

Tert butyl alcohol

Concen: 10.151 ug/l

RT: 2.946 min Scan# 307

Delta R.T. -0.013 min

Lab File: VX043153.D

Acq: 25 Sep 2024 15:11

Instrument :

MSVOA_X

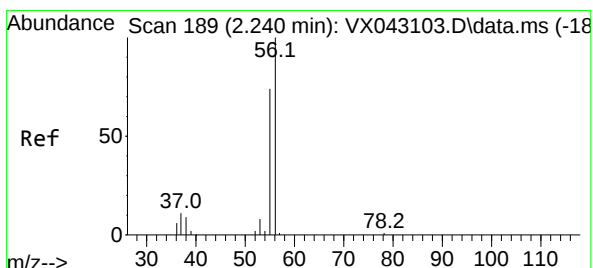
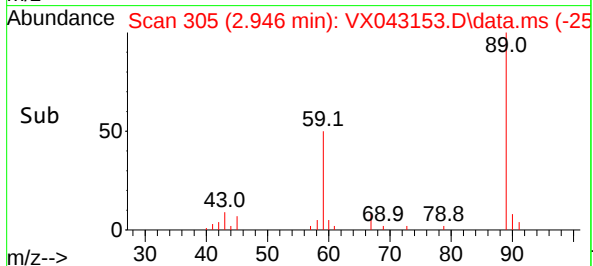
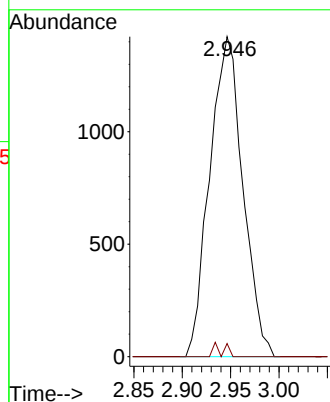
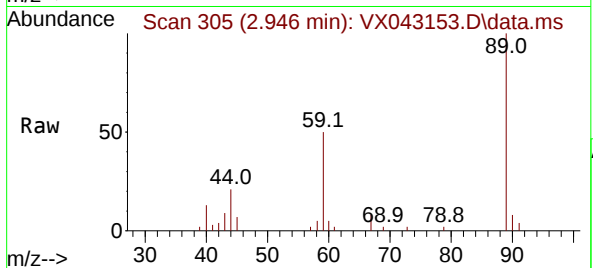
ClientSampleId :

Tgt Ion: 59 Resp: 3393

Ion Ratio Lower Upper

59 100

57 1.3 8.6 13.0#



#13

Acrolein

Concen: 2.044 ug/l

RT: 2.209 min Scan# 184

Delta R.T. -0.031 min

Lab File: VX043153.D

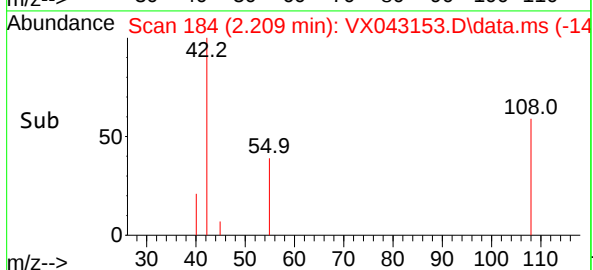
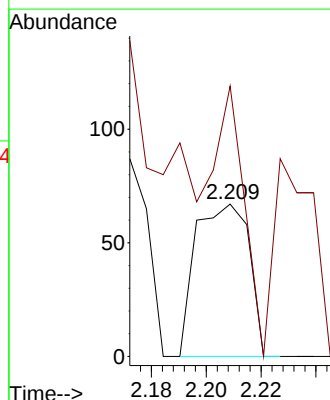
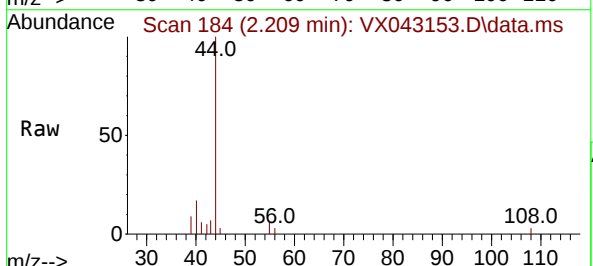
Acq: 25 Sep 2024 15:11

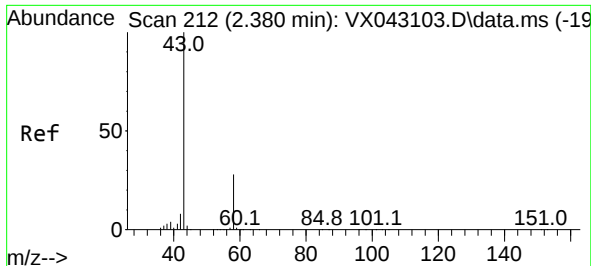
Tgt Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 93.3 55.8 83.6#

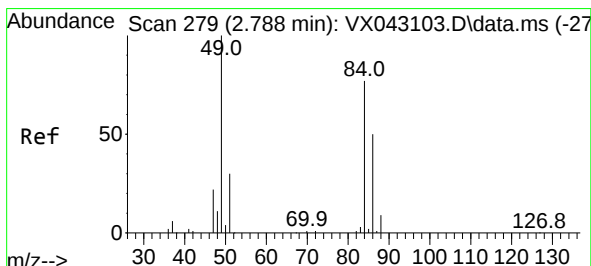
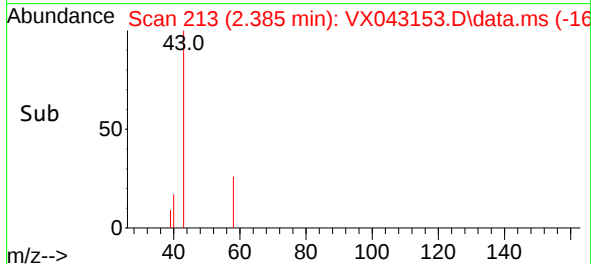
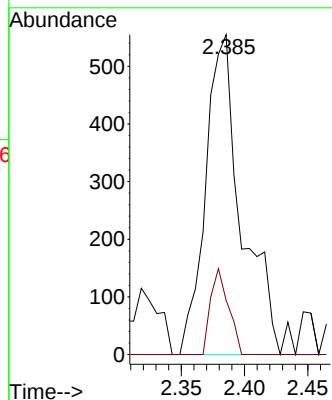
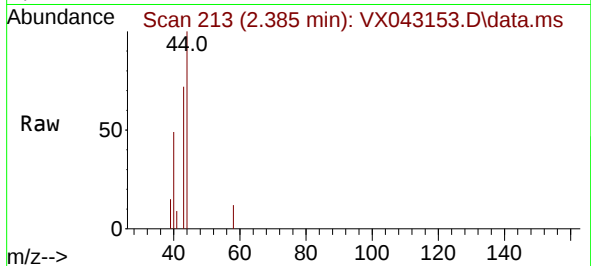




#16
Acetone
Concen: 1.568 ug/l
RT: 2.385 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX043153.D
Acq: 25 Sep 2024 15:11

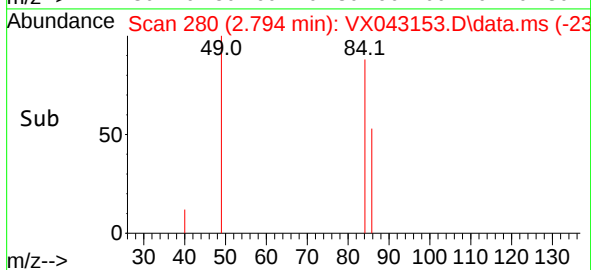
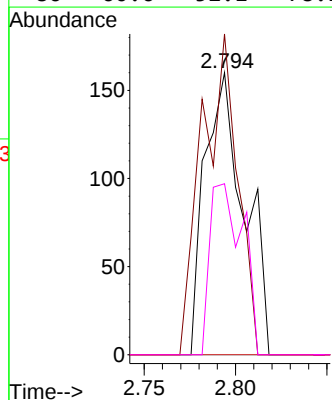
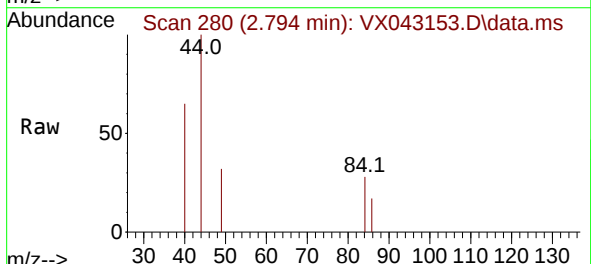
Instrument :
MSVOA_X
ClientSampleId :

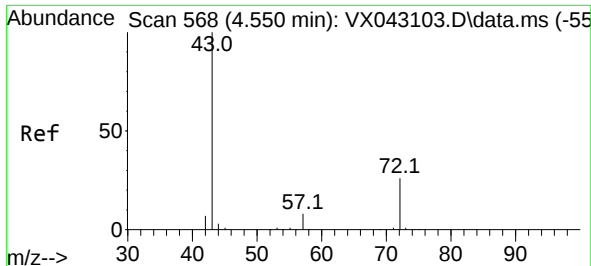
Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
58 16.9 22.6 34.0#



#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX043153.D
Acq: 25 Sep 2024 15:11

Tgt Ion: 84 Resp: 240
Ion Ratio Lower Upper
84 100
49 113.8 104.1 156.1
51 0.0 31.1 46.7#
86 60.6 52.1 78.1





#25

2-Butanone

Concen: 1.953 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX043153.D

Acq: 25 Sep 2024 15:11

Instrument :

MSVOA_X

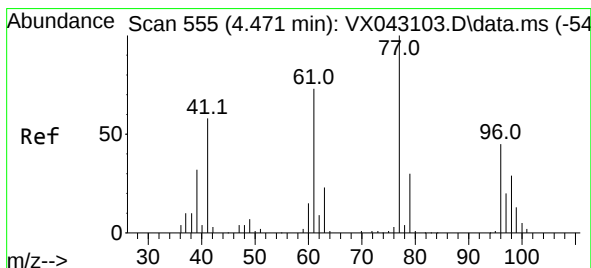
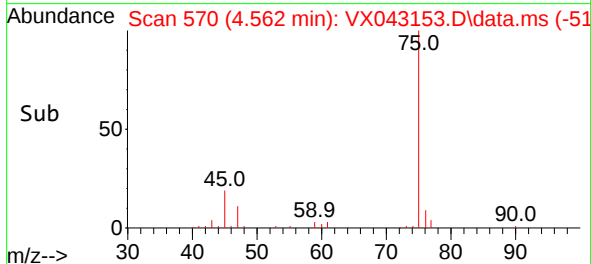
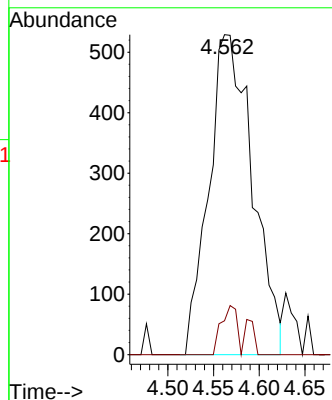
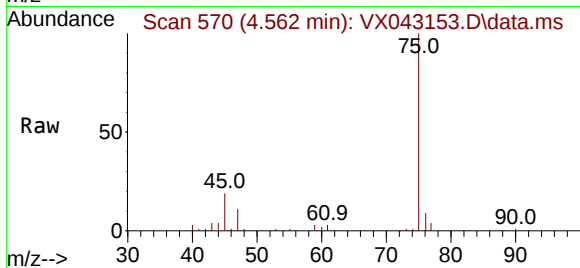
ClientSampleId :

Tgt Ion: 43 Resp: 1763

Ion Ratio Lower Upper

43 100

72 10.6 20.7 31.1#



#26

2,2-Dichloropropane

Concen: 0.978 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.091 min

Lab File: VX043153.D

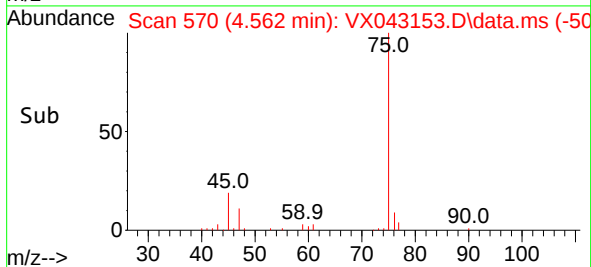
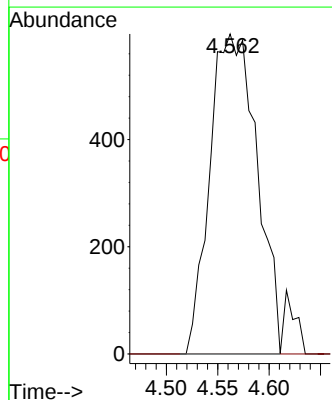
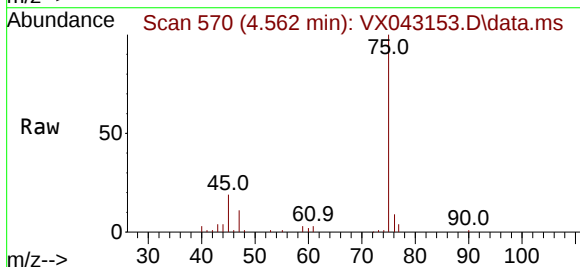
Acq: 25 Sep 2024 15:11

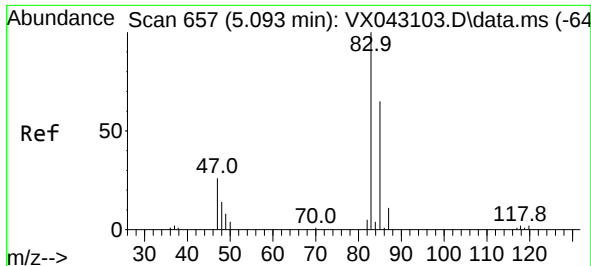
Tgt Ion: 77 Resp: 1901

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#





#30

Chloroform

Concen: 0.416 ug/l

RT: 5.104 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX043153.D

Acq: 25 Sep 2024 15:11

Instrument :

MSVOA_X

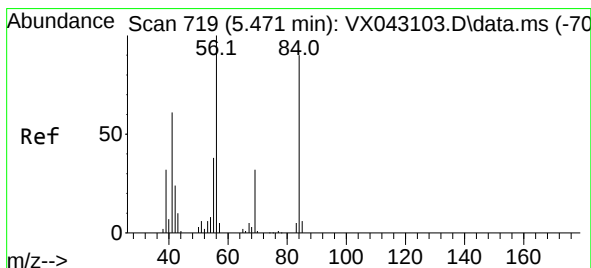
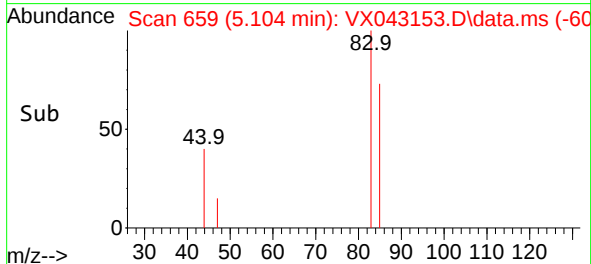
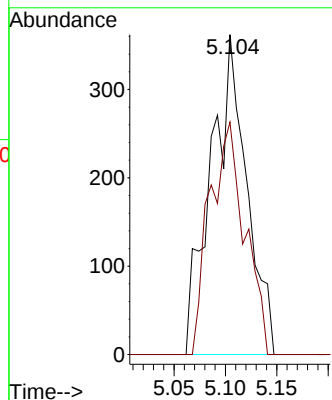
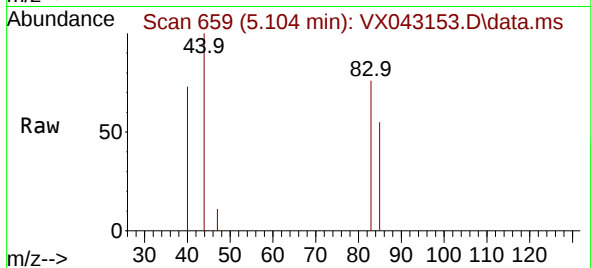
ClientSampleId :

Tgt Ion: 83 Resp: 880

Ion Ratio Lower Upper

83 100

85 72.7 52.4 78.6



#31

Cyclohexane

Concen: 1.469 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX043153.D

Acq: 25 Sep 2024 15:11

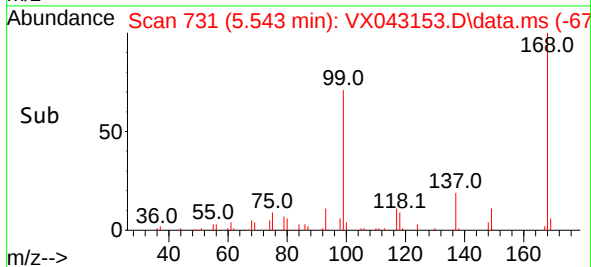
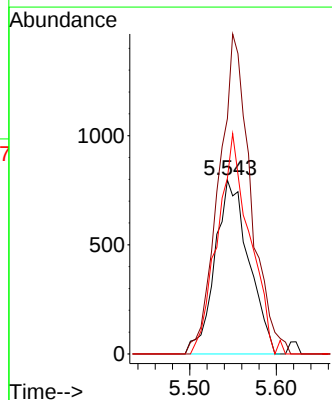
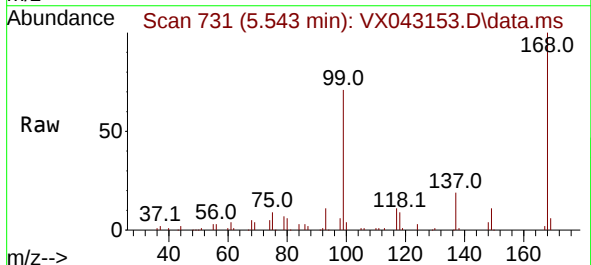
Tgt Ion: 56 Resp: 2163

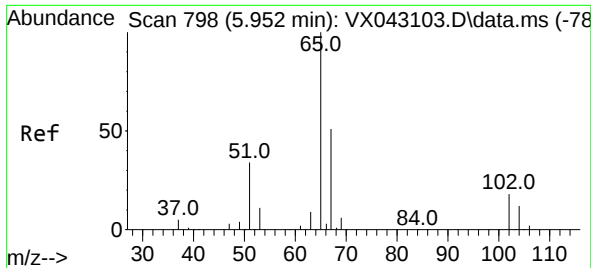
Ion Ratio Lower Upper

56 100

69 135.3 25.8 38.6#

84 101.0 72.4 108.6

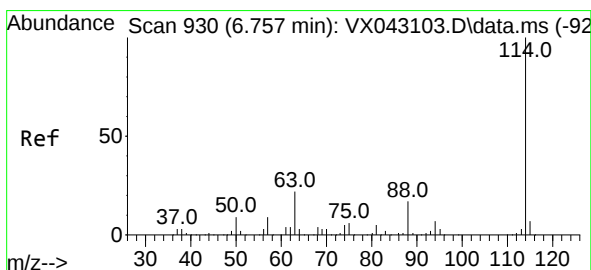
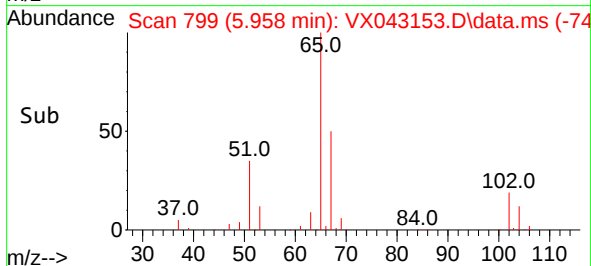
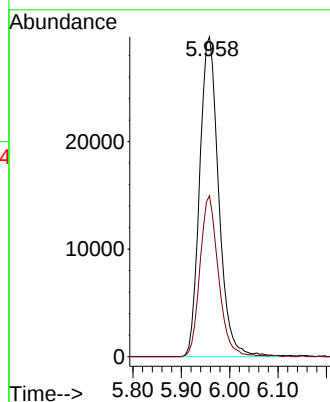
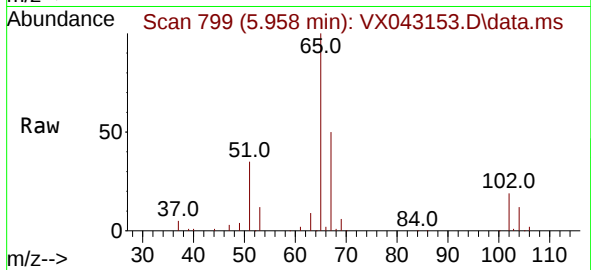




#33
1,2-Dichloroethane-d4
Concen: 54.295 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043153.D
Acq: 25 Sep 2024 15:11

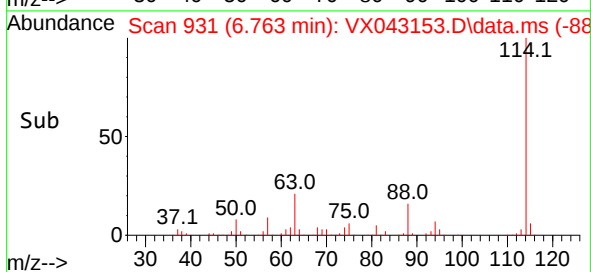
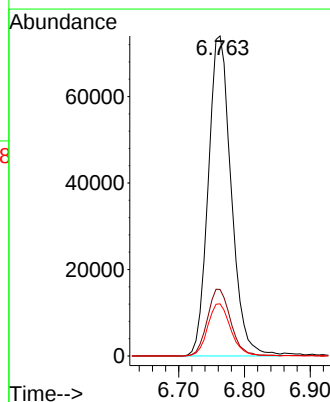
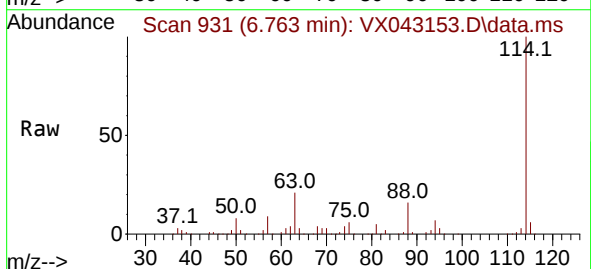
Instrument :
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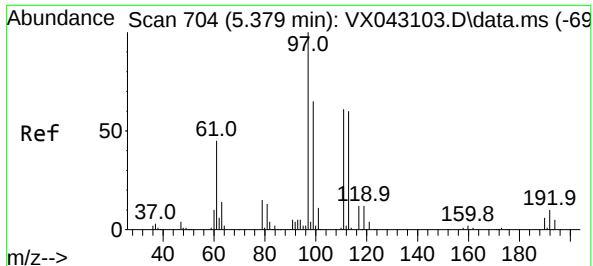
Tgt Ion: 65 Resp: 81284
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX043153.D
Acq: 25 Sep 2024 15:11

Tgt Ion: 114 Resp: 179551
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.2
88 16.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.095 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

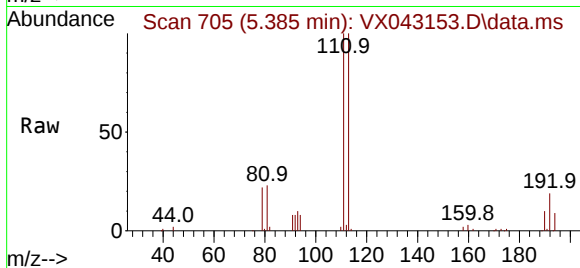
Lab File: VX043153.D

Acq: 25 Sep 2024 15:11

Instrument :

MSVOA_X

ClientSampleId :



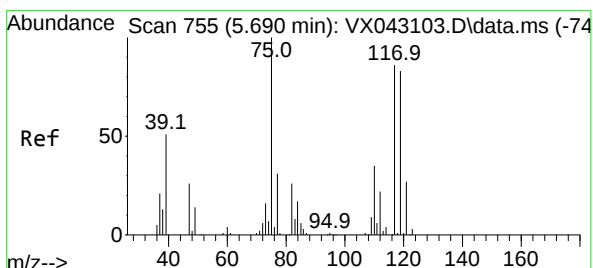
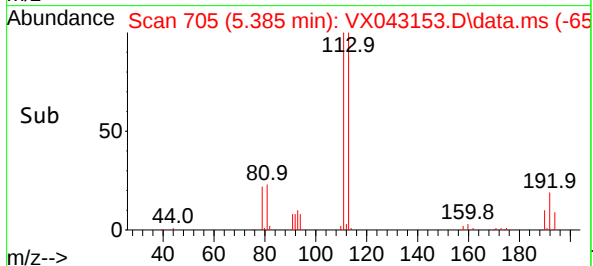
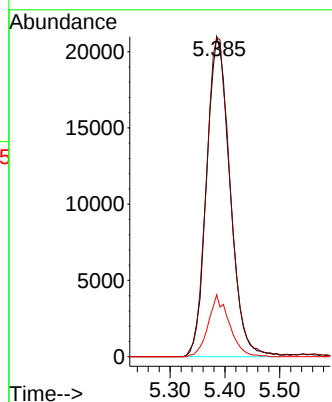
Tgt Ion:113 Resp: 62184

Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 17.4 14.6 22.0



#36

1,1-Dichloropropene

Concen: 5.163 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.141 min

Lab File: VX043153.D

Acq: 25 Sep 2024 15:11

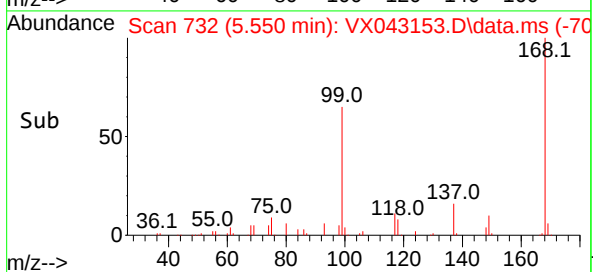
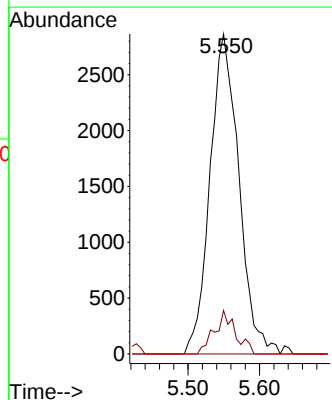
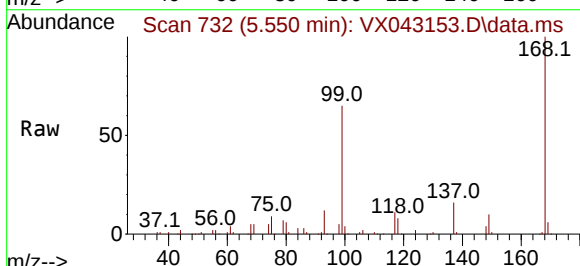
Tgt Ion: 75 Resp: 8036

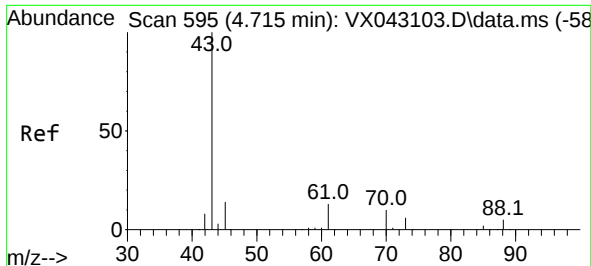
Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.4#

77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 0.902 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.153 min

Lab File: VX043153.D

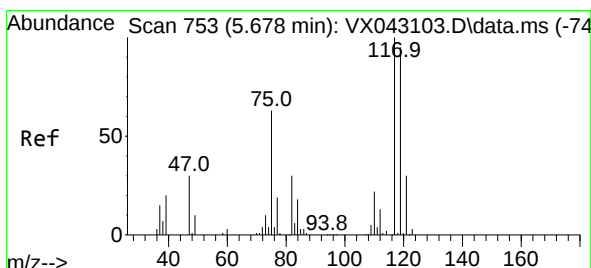
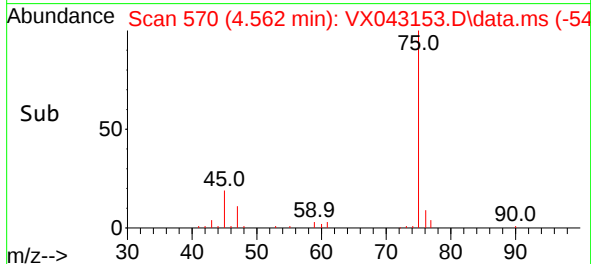
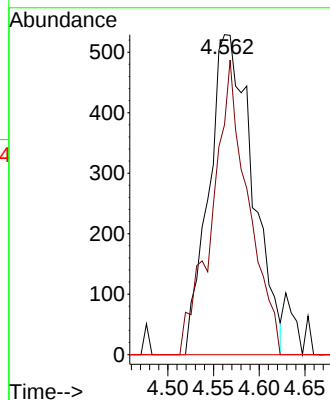
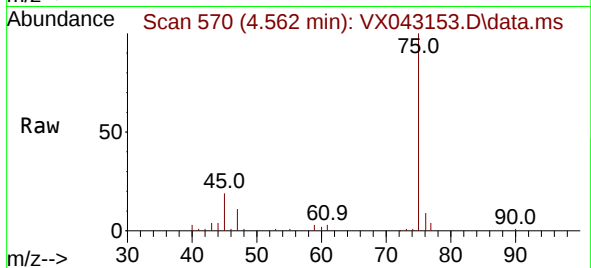
Acq: 25 Sep 2024 15:11

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43	Resp: 1763
Ion Ratio	Lower Upper
43 100	
61 75.7	10.9 16.3#
70 0.0	8.6 13.0#



#38

Carbon Tetrachloride

Concen: 4.877 ug/l

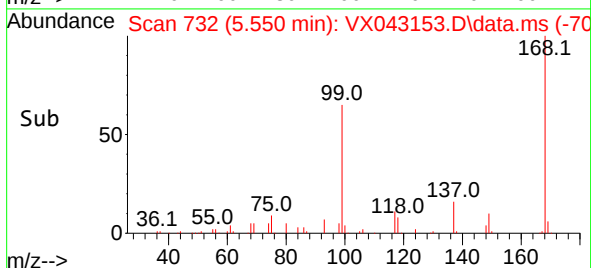
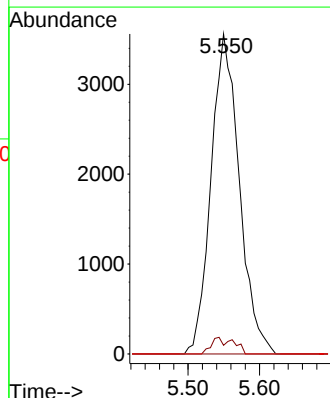
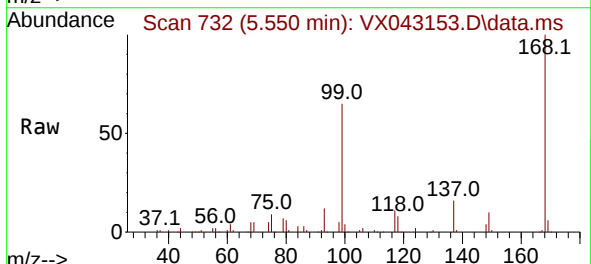
RT: 5.550 min Scan# 732

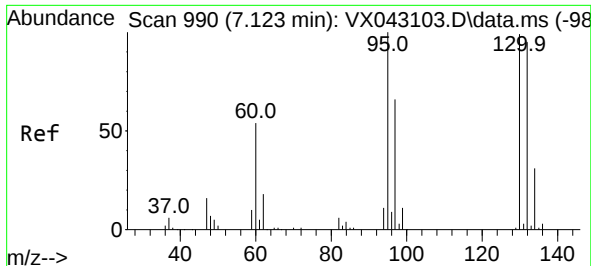
Delta R.T. -0.128 min

Lab File: VX043153.D

Acq: 25 Sep 2024 15:11

Tgt Ion: 117	Resp: 9777
Ion Ratio	Lower Upper
117 100	
119 2.7	75.5 113.3#
121 0.0	24.2 36.2#

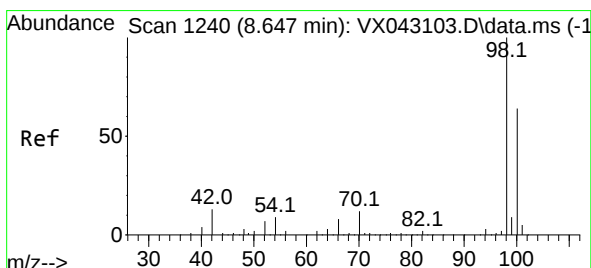
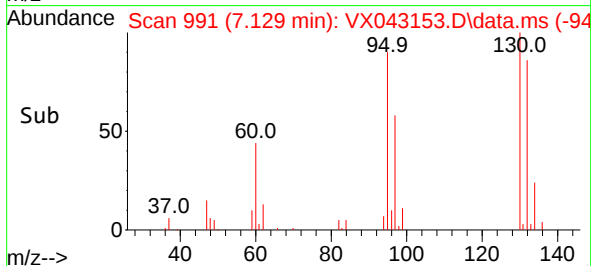
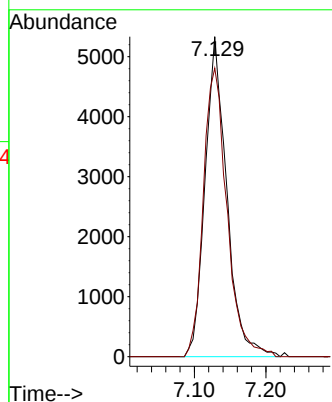
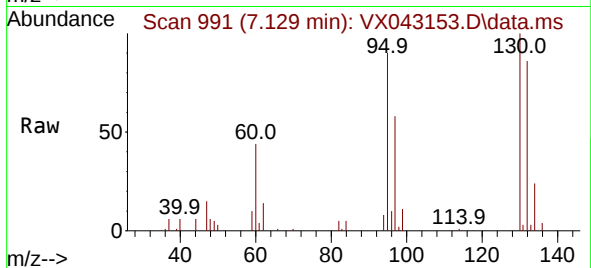




#44
Trichloroethene
Concen: 8.969 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX043153.D
Acq: 25 Sep 2024 15:11

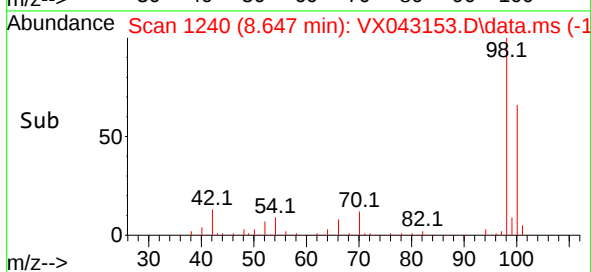
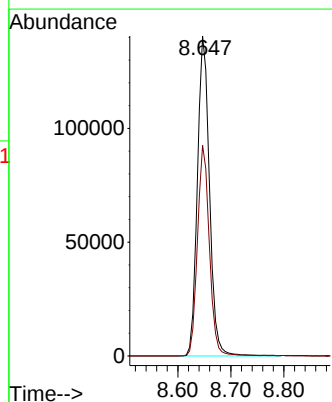
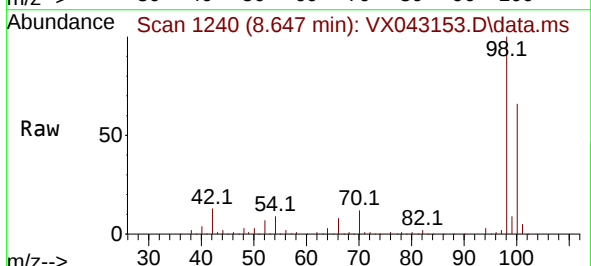
Instrument :
MSVOA_X
ClientSampleId :

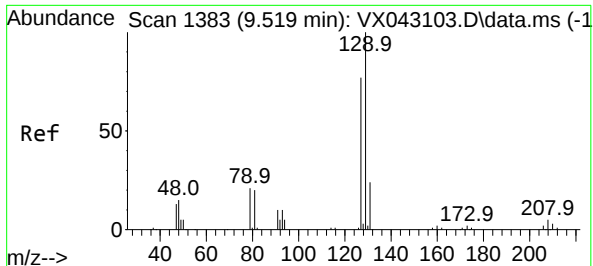
Tgt Ion:130 Resp: 11270
Ion Ratio Lower Upper
130 100
95 90.1 0.0 201.6



#50
Toluene-d8
Concen: 51.984 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043153.D
Acq: 25 Sep 2024 15:11

Tgt Ion: 98 Resp: 222765
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4





#60

Dibromochloromethane

Concen: 0.704 ug/l

RT: 9.281 min Scan# 1119

Delta R.T. -0.238 min

Lab File: VX043153.D

Acq: 25 Sep 2024 15:11

Instrument :

MSVOA_X

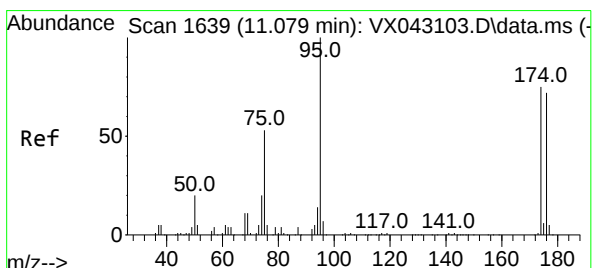
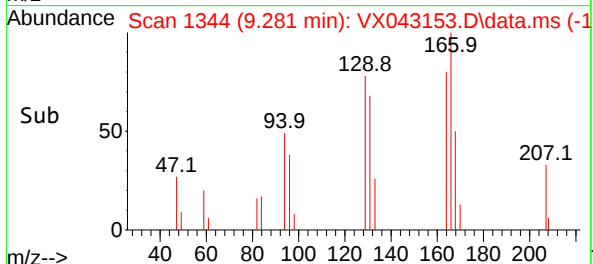
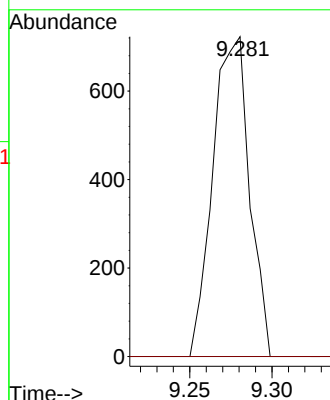
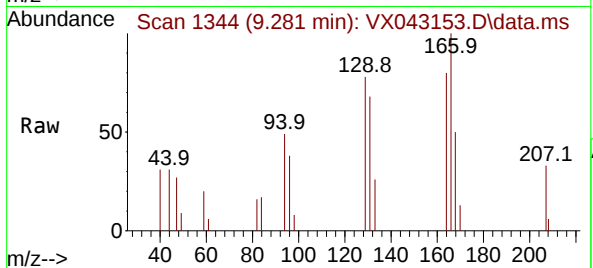
ClientSampleId :

Tgt Ion:129 Resp: 1119

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#



#62

4-Bromofluorobenzene

Concen: 52.748 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043153.D

Acq: 25 Sep 2024 15:11

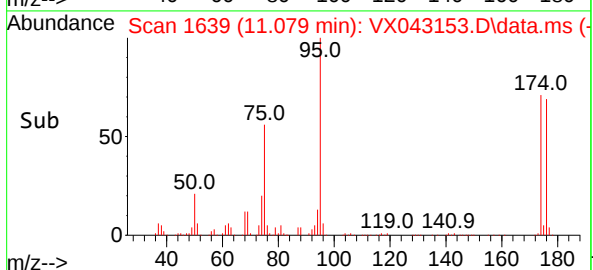
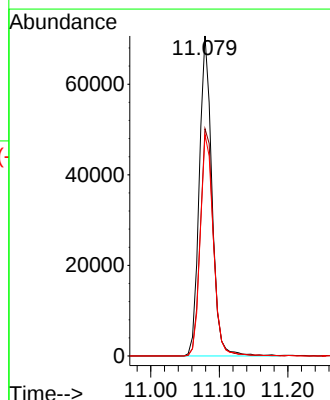
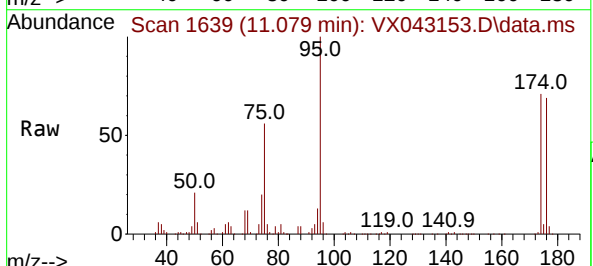
Tgt Ion: 95 Resp: 91029

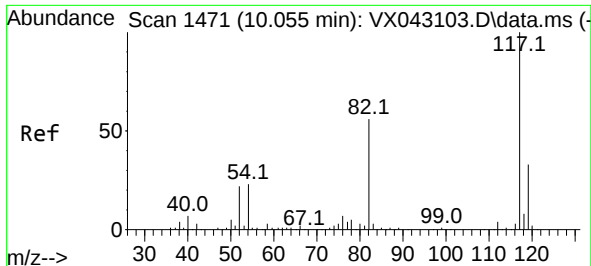
Ion Ratio Lower Upper

95 100

174 73.8 0.0 146.0

176 71.6 0.0 142.6

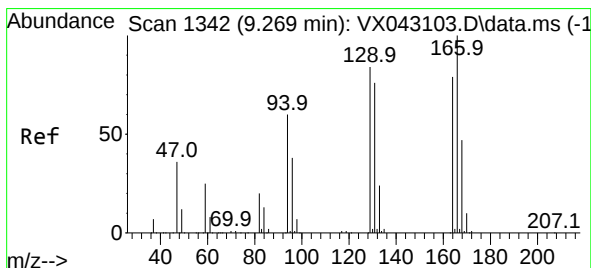
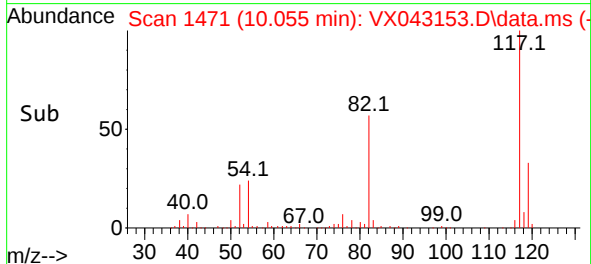
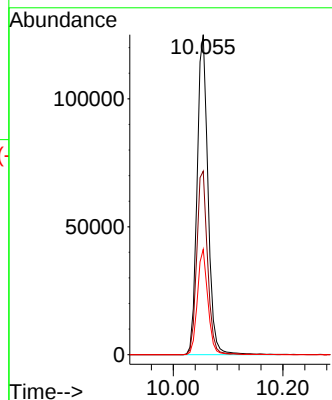
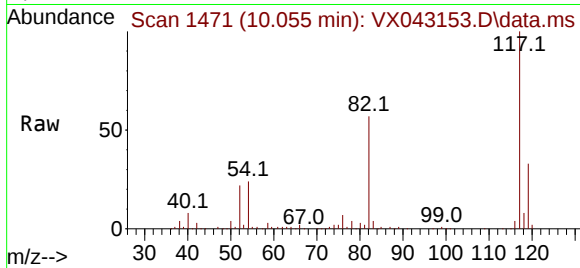




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043153.D
Acq: 25 Sep 2024 15:11

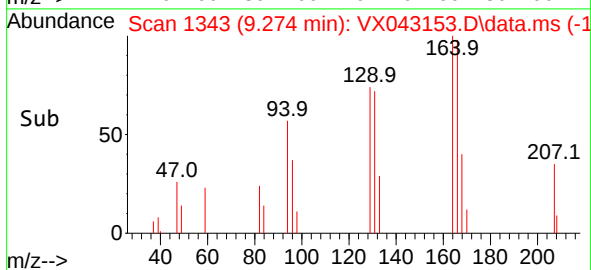
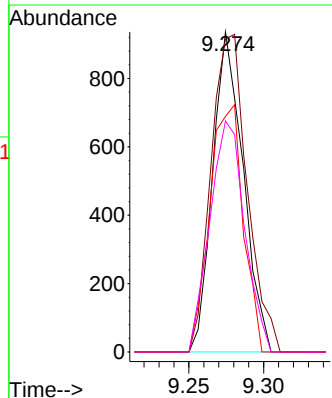
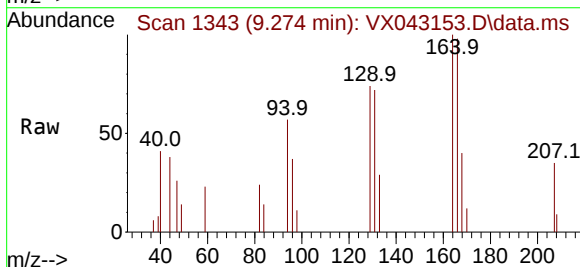
Instrument :
MSVOA_X
ClientSampleId :

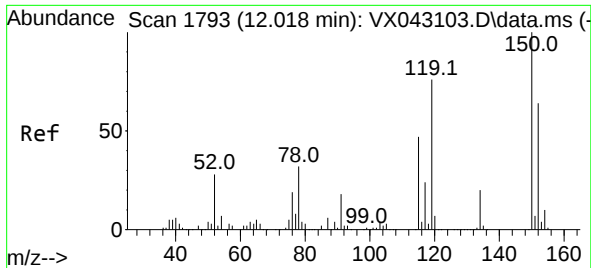
Tgt Ion:117 Resp: 173270
Ion Ratio Lower Upper
117 100
82 57.3 44.7 67.1
119 32.9 26.3 39.5



#64
Tetrachloroethene
Concen: 1.055 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043153.D
Acq: 25 Sep 2024 15:11

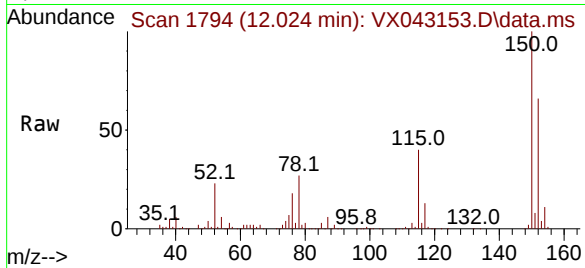
Tgt Ion:164 Resp: 1325
Ion Ratio Lower Upper
164 100
166 97.9 101.2 151.8#
129 73.6 84.7 127.1#
131 72.2 77.2 115.8#



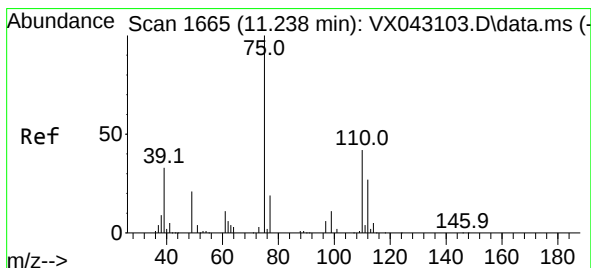
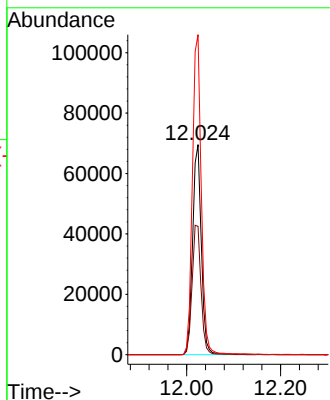
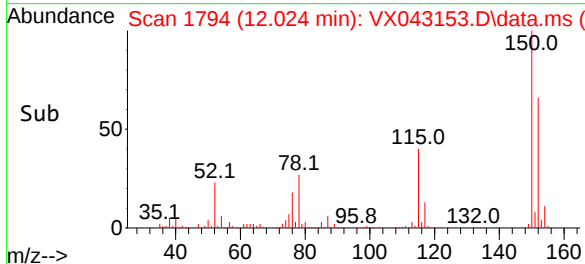


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VX043153.D
 Acq: 25 Sep 2024 15:11

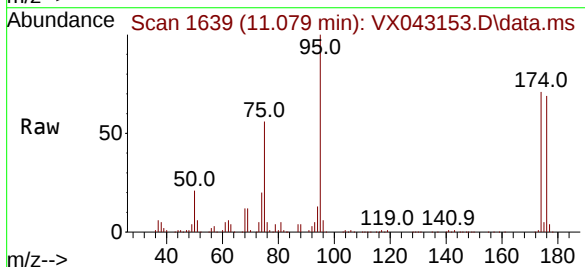
Instrument :
 MSVOA_X
 ClientSampleId :



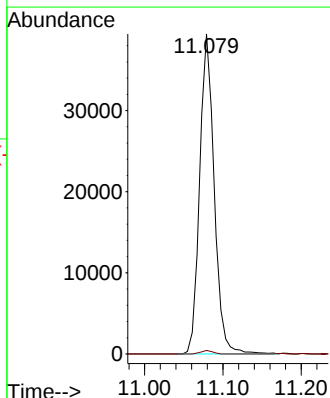
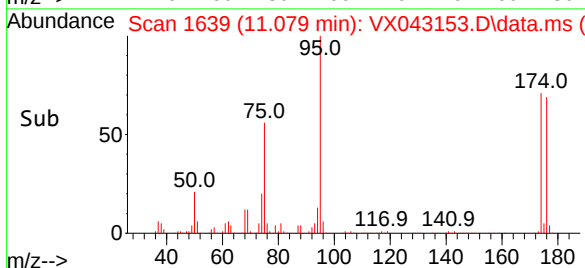
Tgt Ion:152 Resp: 90244
 Ion Ratio Lower Upper
 152 100
 115 63.1 43.7 131.1
 150 154.9 0.0 344.6

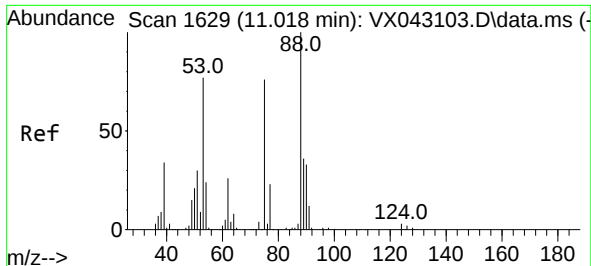


#76
 1,2,3-Trichloropropane
 Concen: 26.542 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX043153.D
 Acq: 25 Sep 2024 15:11



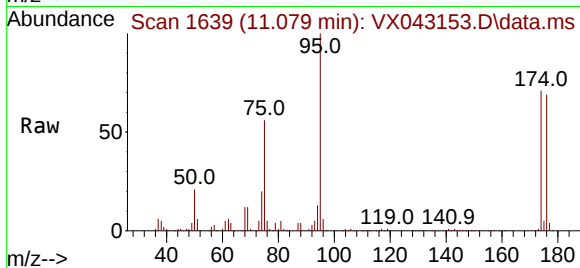
Tgt Ion: 75 Resp: 50924
 Ion Ratio Lower Upper
 75 100
 77 0.9 21.9 65.7#



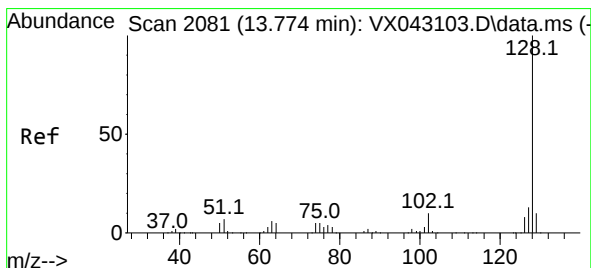
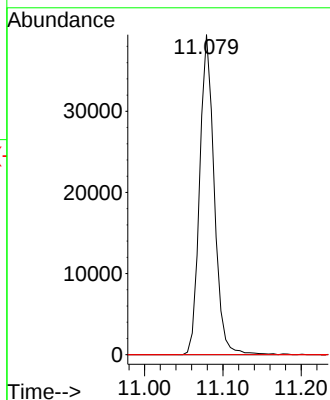
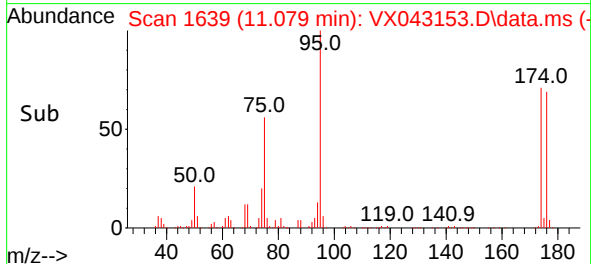


#81
trans-1,4-Dichloro-2-butene
Concen: 63.238 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043153.D
Acq: 25 Sep 2024 15:11

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 50924
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.772 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX043153.D
Acq: 25 Sep 2024 15:11

Tgt Ion: 128 Resp: 4854
Ion Ratio Lower Upper
128 100
127 10.7 10.2 15.4
129 9.2 8.6 13.0

