

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092524\
 Data File : VX043151.D
 Acq On : 25 Sep 2024 14:25
 Operator : JC/MD
 Sample : P4164-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D2-20240920

Quant Time: Sep 26 01:35:29 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)

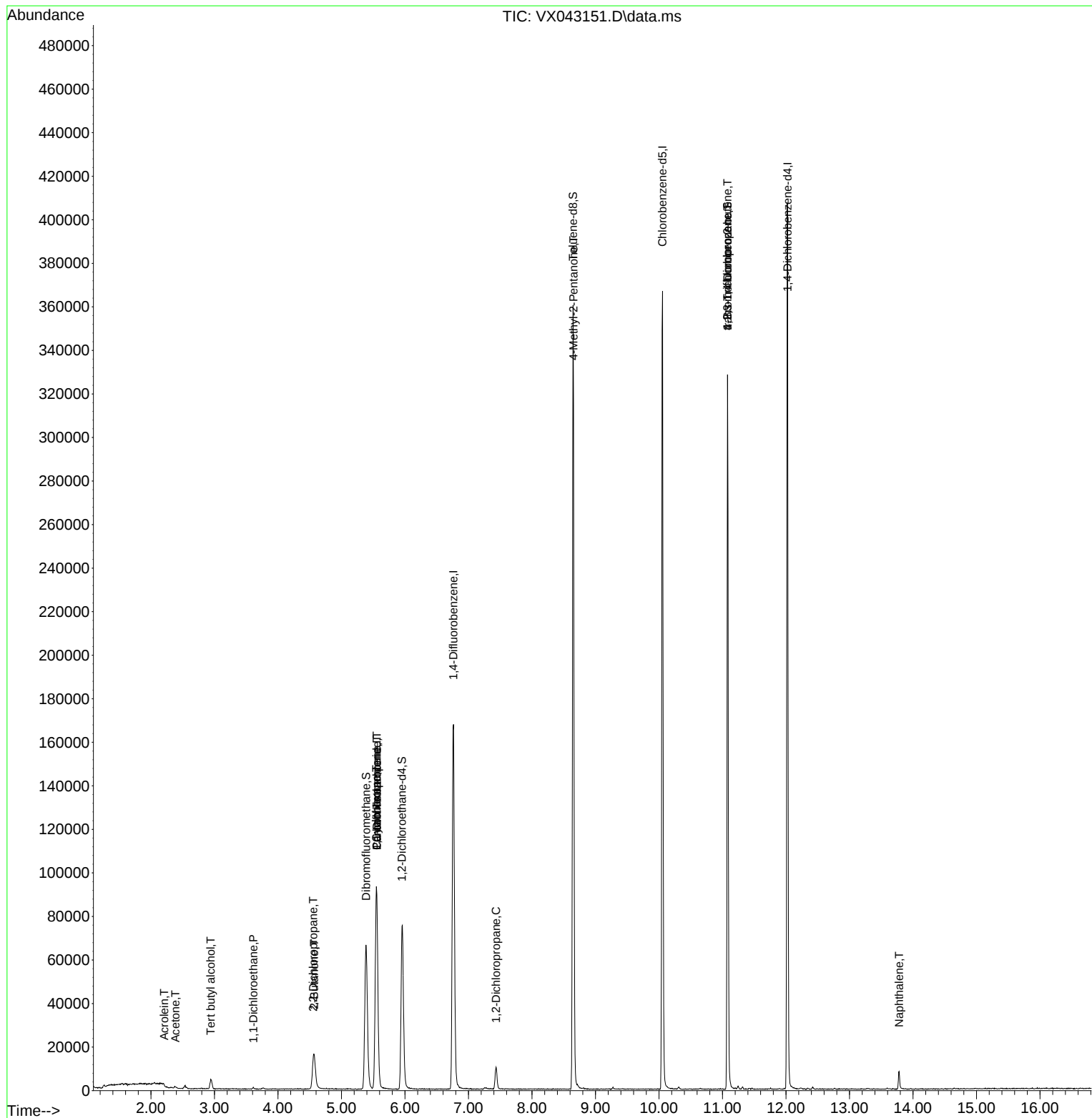
Internal Standards						
1) Pentafluorobenzene	5.556	168	84867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170344	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77321	54.850	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.700%	
35) Dibromofluoromethane	5.385	113	59008	49.105	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.220%	
50) Toluene-d8	8.647	98	210549	51.789	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.580%	
62) 4-Bromofluorobenzene	11.079	95	86841	53.041	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	2534	8.051	ug/l #	71
13) Acrolein	2.209	56	20	0.482	ug/l #	1
16) Acetone	2.386	43	1067	1.618	ug/l #	84
24) 1,1-Dichloroethane	3.611	63	814	0.450	ug/l #	81
25) 2-Butanone	4.568	43	1265	1.489	ug/l #	49
26) 2,2-Dichloropropane	4.556	77	737	0.403	ug/l #	54
31) Cyclohexane	5.550	56	2174	1.568	ug/l #	34
36) 1,1-Dichloropropene	5.556	75	7490	5.073	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9708	5.104	ug/l #	15
45) 1,2-Dichloropropane	7.434	63	3986	3.673	ug/l #	86
51) 4-Methyl-2-Pentanone	8.653	43	1036	0.544	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	47239	27.181	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	47239	64.761	ug/l #	7
95) Naphthalene	13.780	128	6617	1.162	ug/l	98

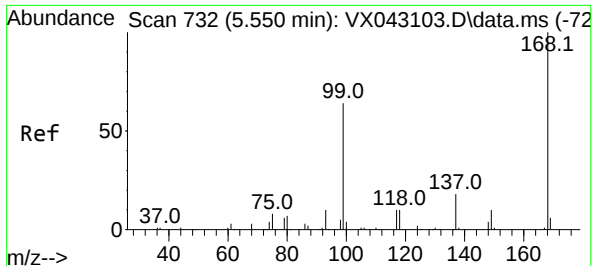
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX043151.D

Acq: 25 Sep 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

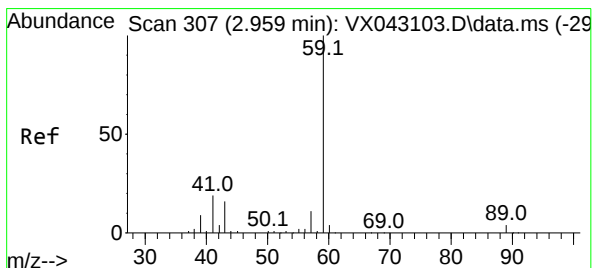
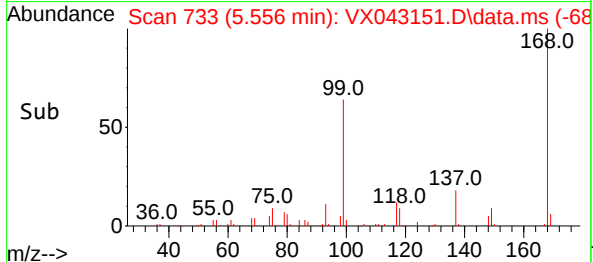
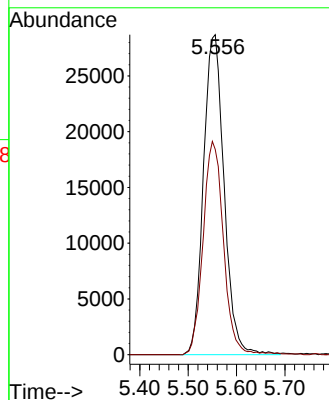
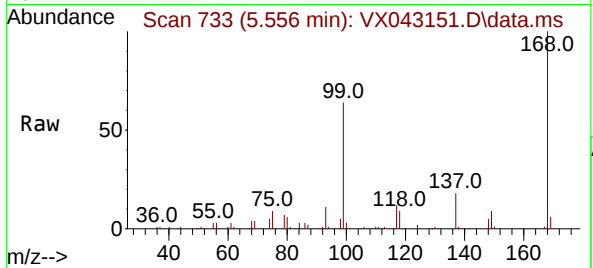
RE135D2-20240920

Tgt Ion:168 Resp: 84867

Ion Ratio Lower Upper

168 100

99 64.2 50.8 76.2



#11

Tert butyl alcohol

Concen: 8.051 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.018 min

Lab File: VX043151.D

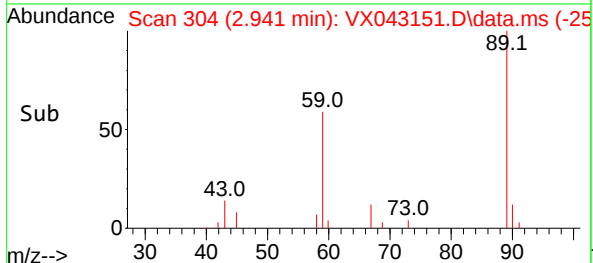
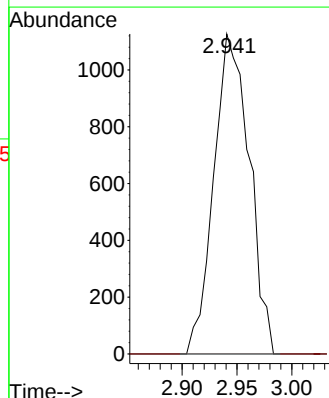
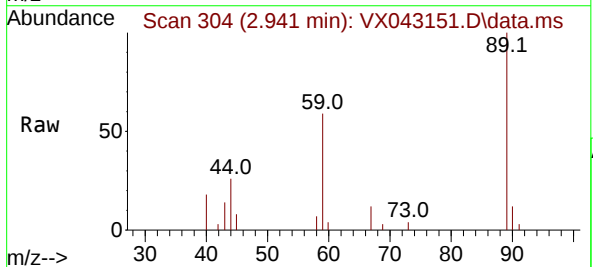
Acq: 25 Sep 2024 14:25

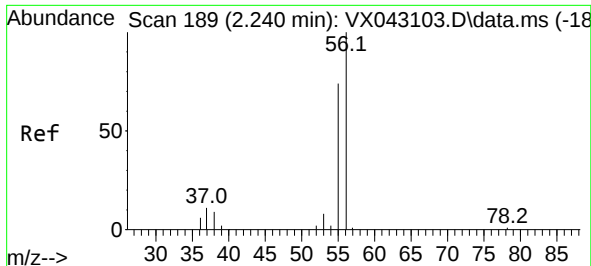
Tgt Ion: 59 Resp: 2534

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#

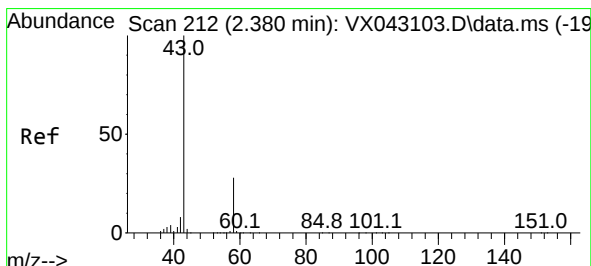
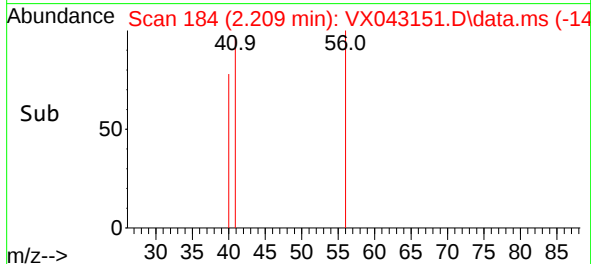
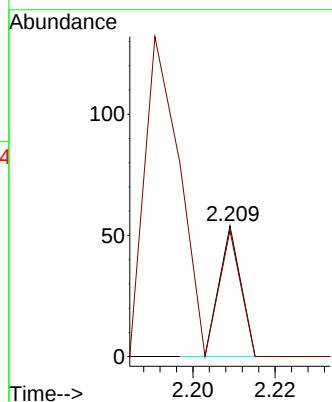
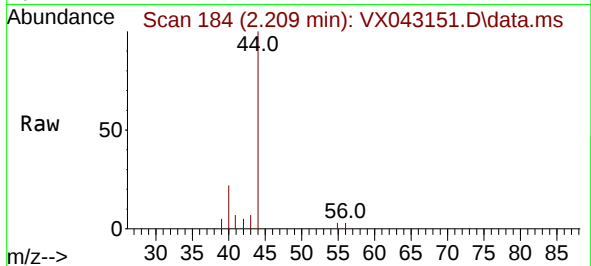




#13
Acrolein
Concen: 0.482 ug/l
RT: 2.209 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX043151.D
Acq: 25 Sep 2024 14:25

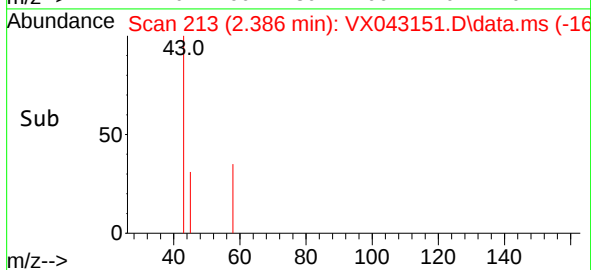
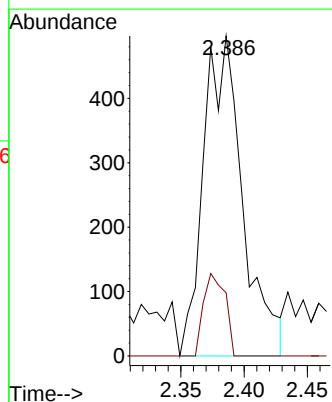
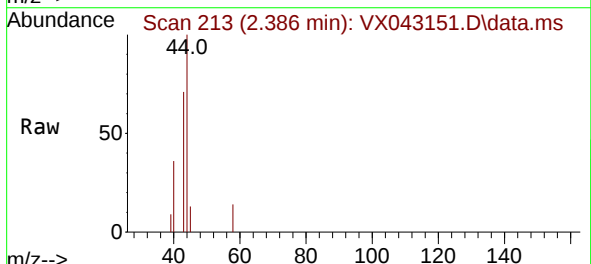
Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20240920

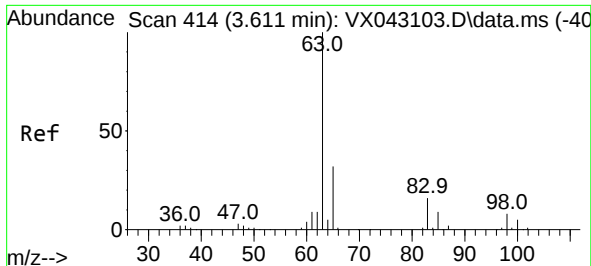
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 485.0 55.8 83.6#



#16
Acetone
Concen: 1.618 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043151.D
Acq: 25 Sep 2024 14:25

Tgt Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
58 19.7 22.6 34.0#





#24

1,1-Dichloroethane

Concen: 0.450 ug/l

RT: 3.611 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX043151.D

Acq: 25 Sep 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

RE135D2-20240920

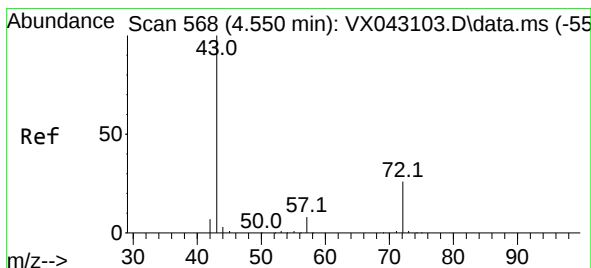
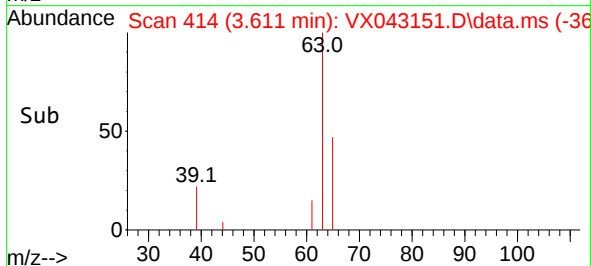
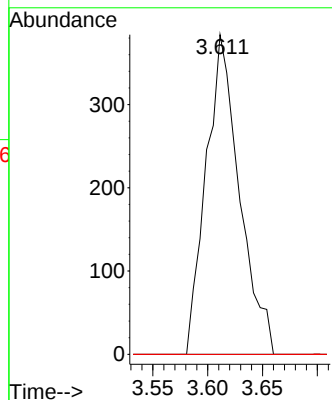
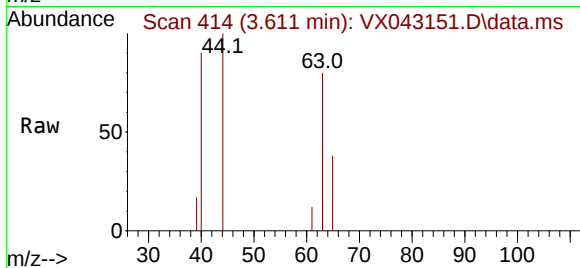
Tgt Ion: 63 Resp: 814

Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.5#

100 0.0 2.5 7.6#



#25

2-Butanone

Concen: 1.489 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.018 min

Lab File: VX043151.D

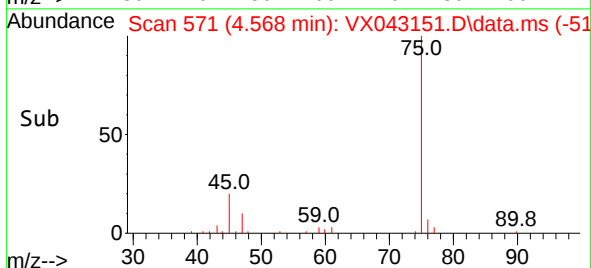
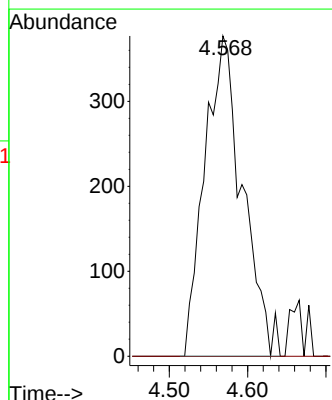
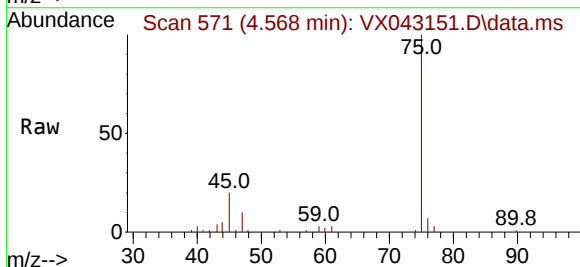
Acq: 25 Sep 2024 14:25

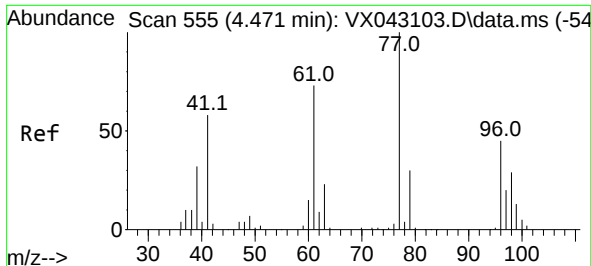
Tgt Ion: 43 Resp: 1265

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#

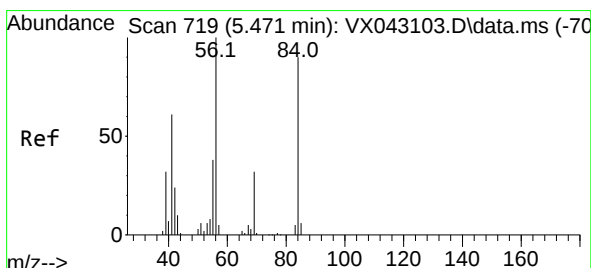
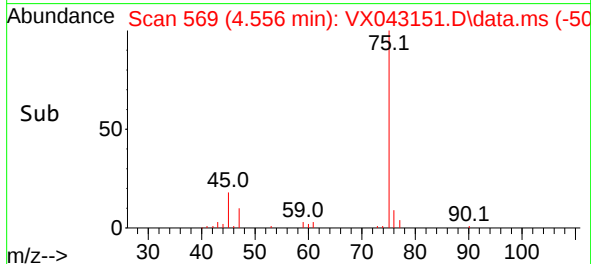
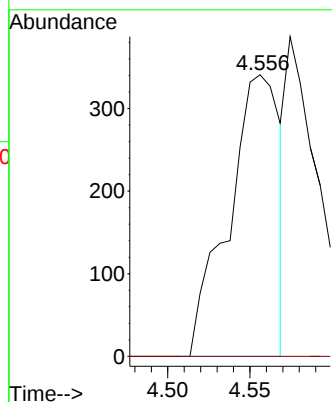
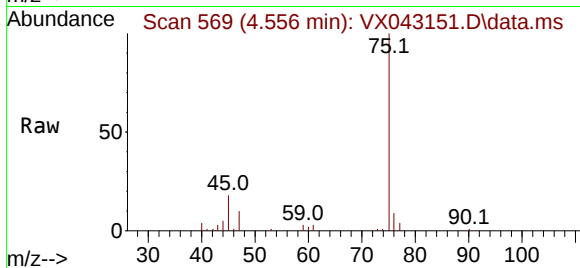




#26
2,2-Dichloropropane
Concen: 0.403 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.085 min
Lab File: VX043151.D
Acq: 25 Sep 2024 14:25

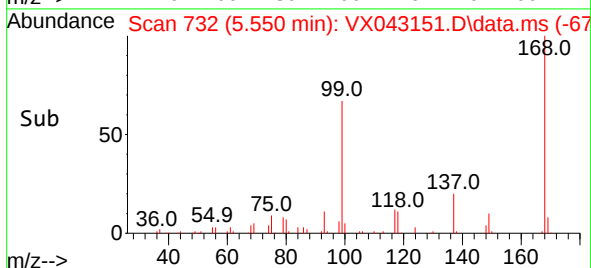
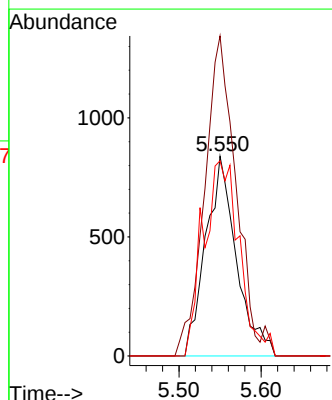
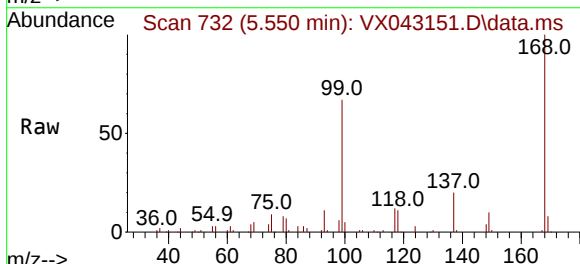
Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20240920

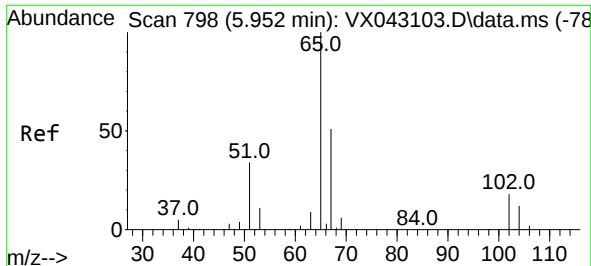
Tgt Ion: 77 Resp: 737
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#31
Cyclohexane
Concen: 1.568 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX043151.D
Acq: 25 Sep 2024 14:25

Tgt Ion: 56 Resp: 2174
Ion Ratio Lower Upper
56 100
69 160.2 25.8 38.6#
84 97.7 72.4 108.6





#33

1,2-Dichloroethane-d4

Concen: 54.850 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043151.D

Acq: 25 Sep 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

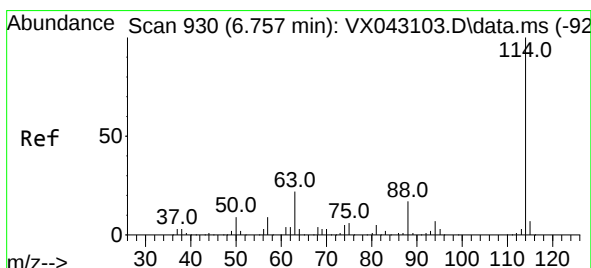
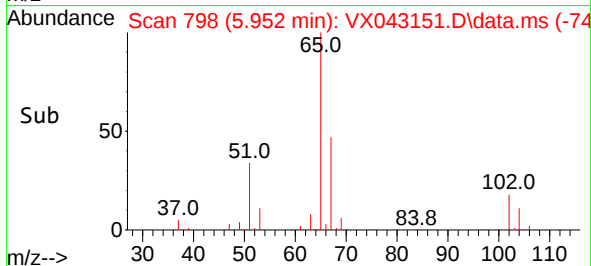
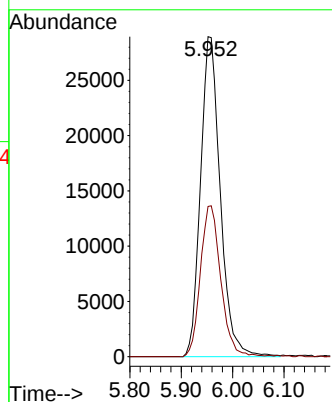
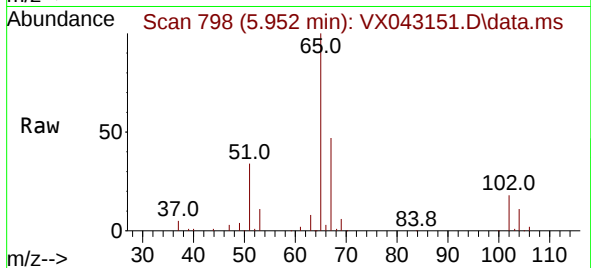
RE135D2-20240920

Tgt Ion: 65 Resp: 77321

Ion Ratio Lower Upper

65 100

67 48.5 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: VX043151.D

Acq: 25 Sep 2024 14:25

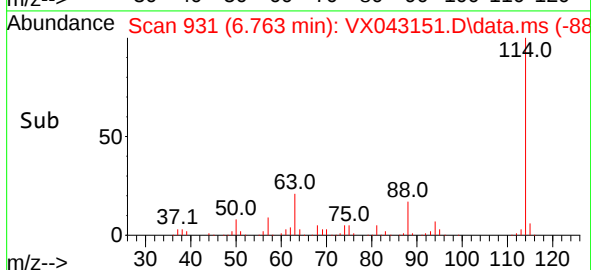
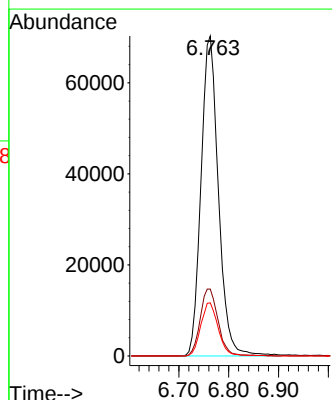
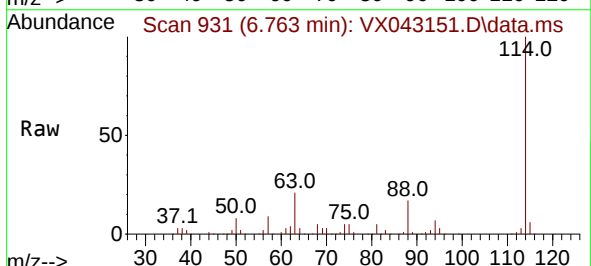
Tgt Ion: 114 Resp: 170344

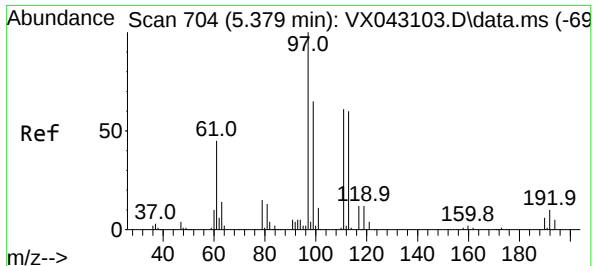
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.105 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043151.D

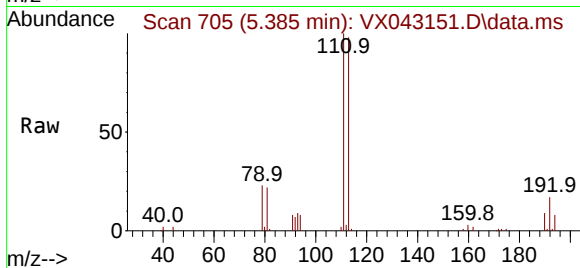
Acq: 25 Sep 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

RE135D2-20240920



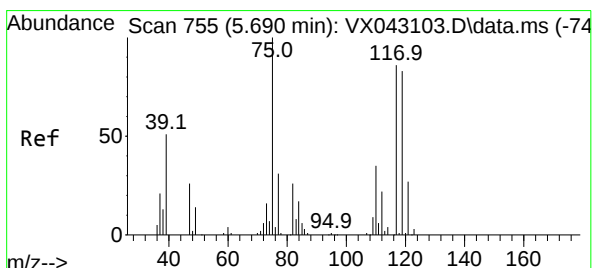
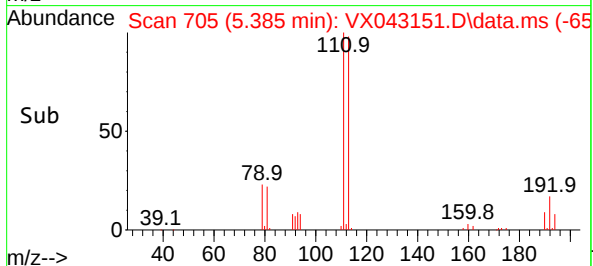
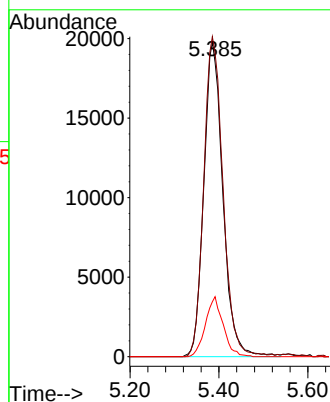
Tgt Ion:113 Resp: 59008

Ion Ratio Lower Upper

113 100

111 102.6 82.6 124.0

192 17.7 14.6 22.0



#36

1,1-Dichloropropene

Concen: 5.073 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX043151.D

Acq: 25 Sep 2024 14:25

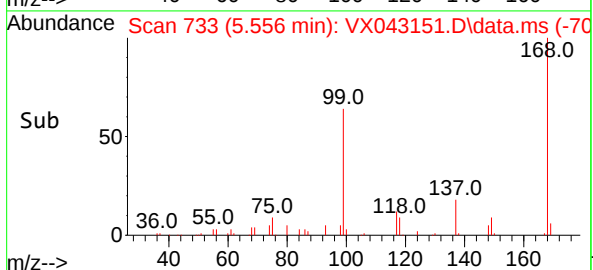
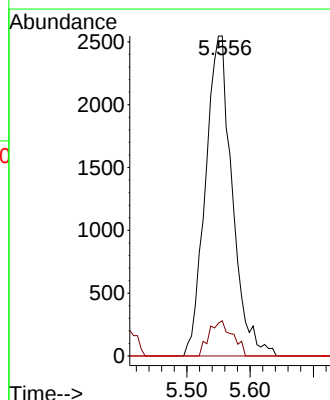
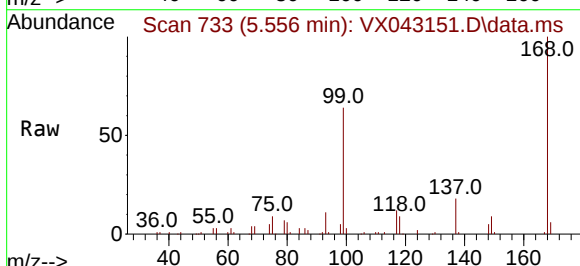
Tgt Ion: 75 Resp: 7490

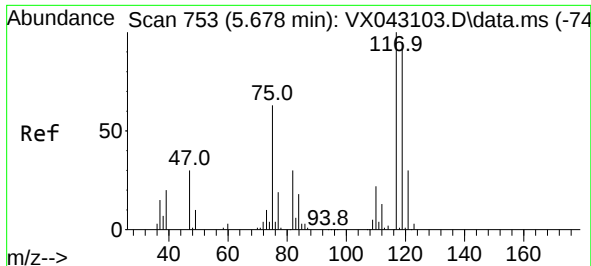
Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.4#

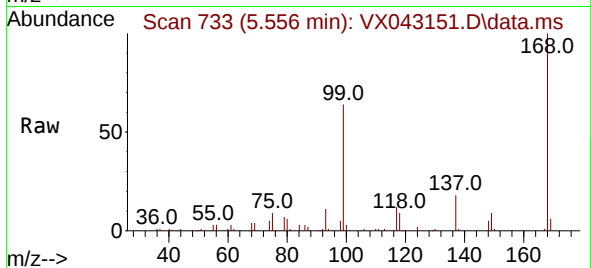
77 0.0 25.2 37.8#



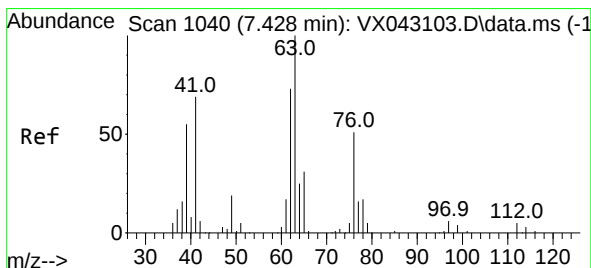
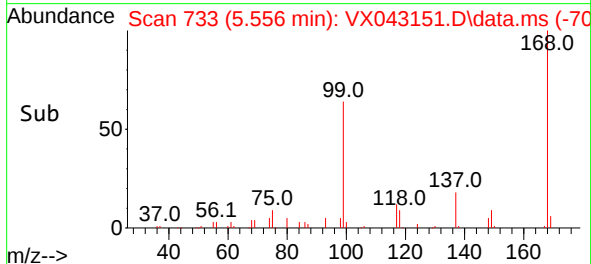
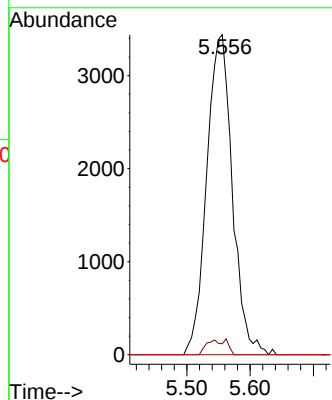


#38
Carbon Tetrachloride
Concen: 5.104 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043151.D
Acq: 25 Sep 2024 14:25

Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20240920

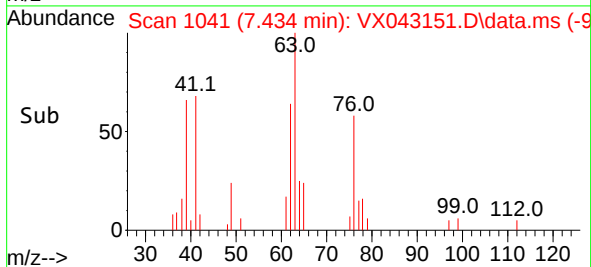
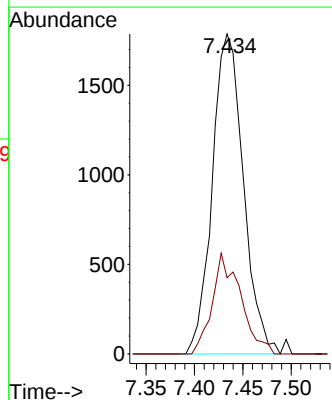
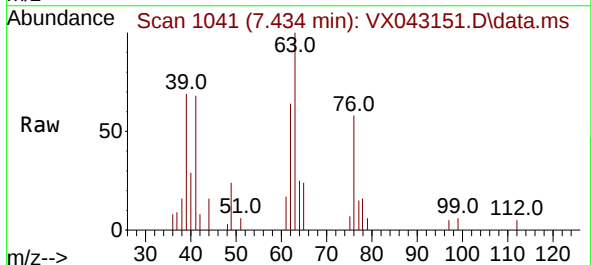


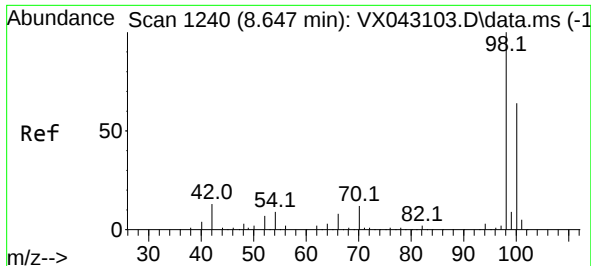
Tgt Ion:117 Resp: 9708
Ion Ratio Lower Upper
117 100
119 3.4 75.5 113.3#
121 0.0 24.2 36.2#



#45
1,2-Dichloropropane
Concen: 3.673 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX043151.D
Acq: 25 Sep 2024 14:25

Tgt Ion: 63 Resp: 3986
Ion Ratio Lower Upper
63 100
65 23.8 25.0 37.6#

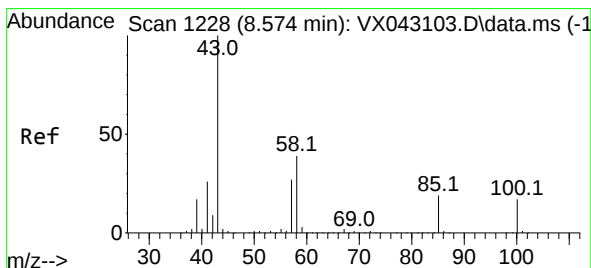
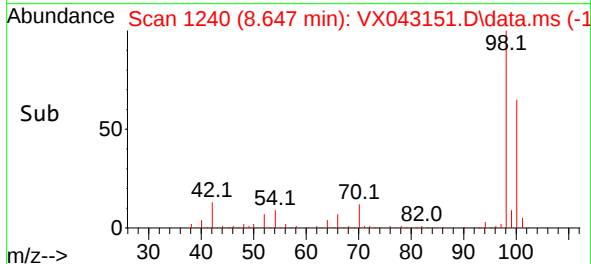
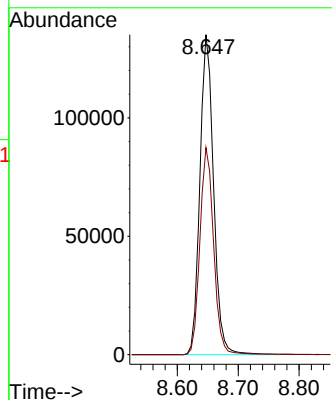
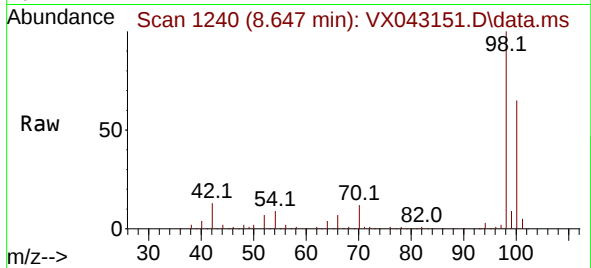




#50
Toluene-d8
Concen: 51.789 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043151.D
Acq: 25 Sep 2024 14:25

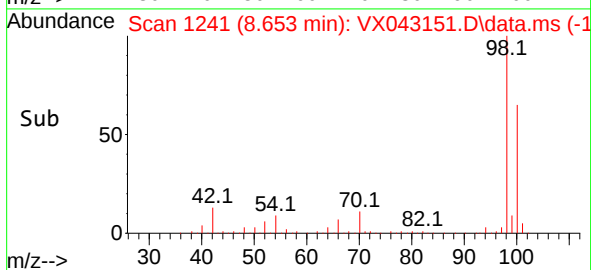
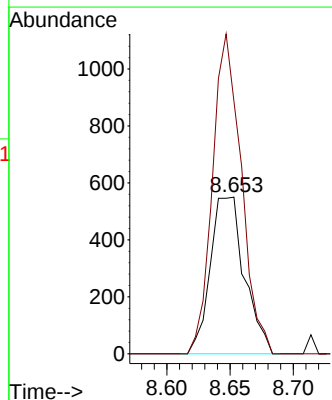
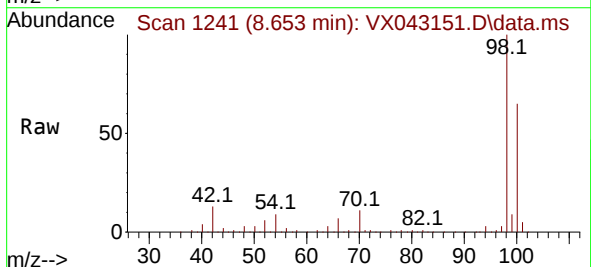
Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20240920

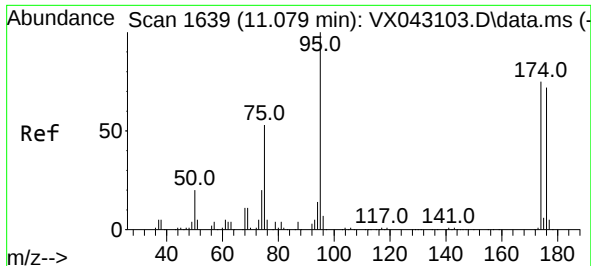
Tgt Ion: 98 Resp: 210549
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.544 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX043151.D
Acq: 25 Sep 2024 14:25

Tgt Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
58 172.2 30.3 45.5#





#62

4-Bromofluorobenzene

Concen: 53.041 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043151.D

Acq: 25 Sep 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

RE135D2-20240920

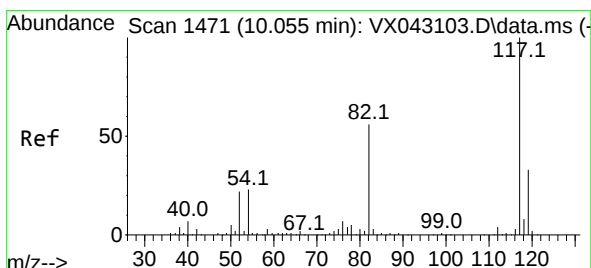
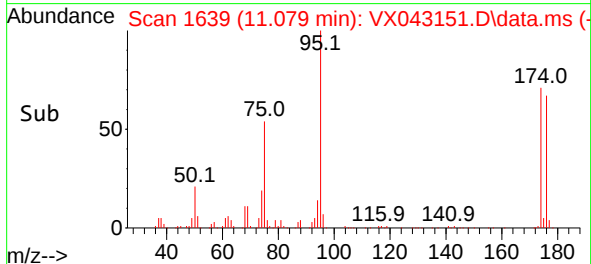
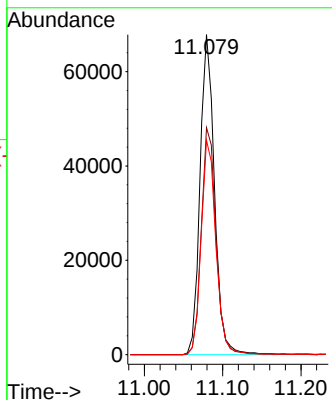
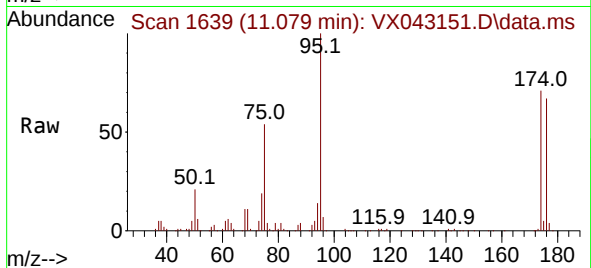
Tgt Ion: 95 Resp: 86841

Ion Ratio Lower Upper

95 100

174 72.5 0.0 146.0

176 68.4 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: VX043151.D

Acq: 25 Sep 2024 14:25

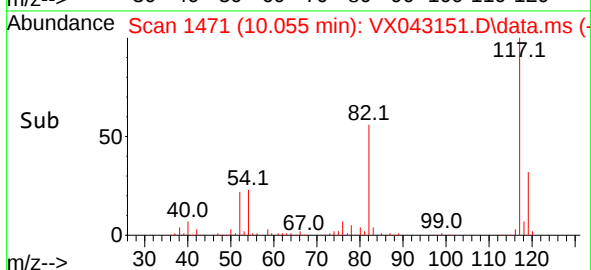
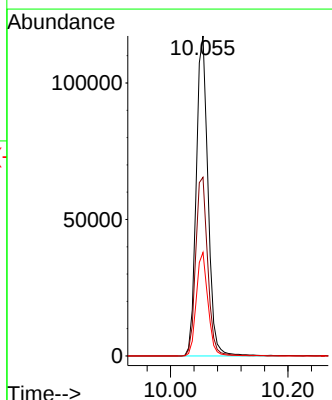
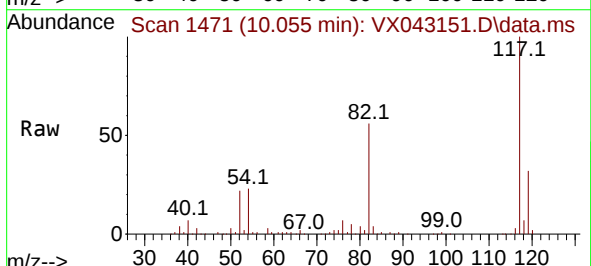
Tgt Ion: 117 Resp: 162703

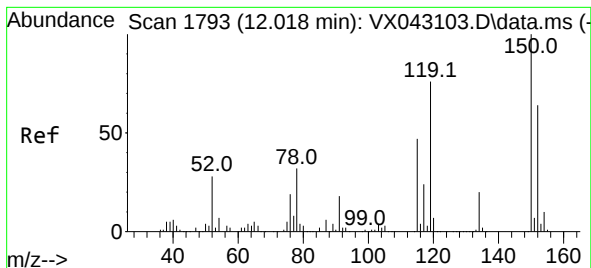
Ion Ratio Lower Upper

117 100

82 55.9 44.7 67.1

119 32.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043151.D

Acq: 25 Sep 2024 14:25

Instrument :

MSVOA_X

ClientSampleId :

RE135D2-20240920

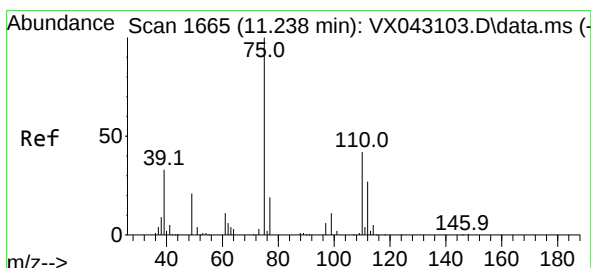
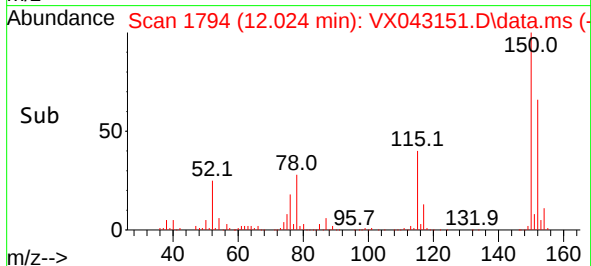
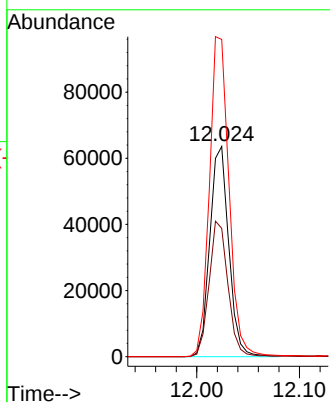
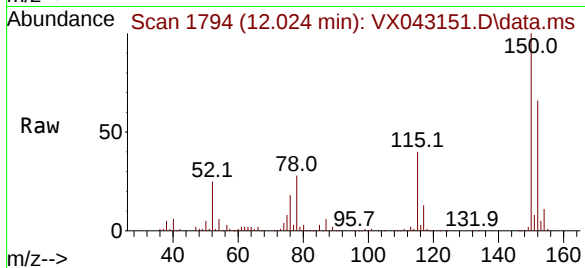
Tgt Ion:152 Resp: 81745

Ion Ratio Lower Upper

152 100

115 64.3 43.7 131.1

150 157.5 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 27.181 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043151.D

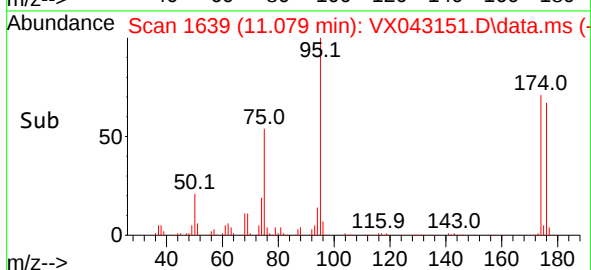
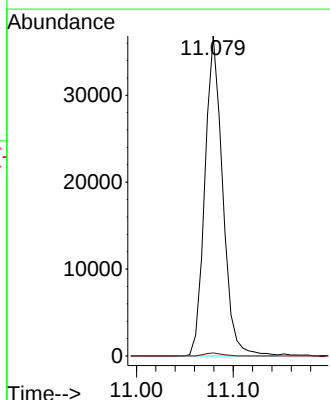
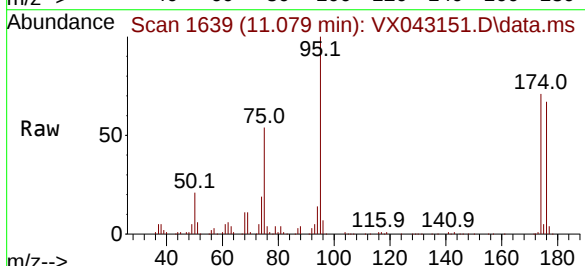
Acq: 25 Sep 2024 14:25

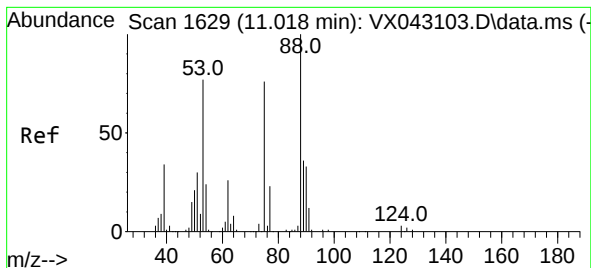
Tgt Ion: 75 Resp: 47239

Ion Ratio Lower Upper

75 100

77 0.9 21.9 65.7#

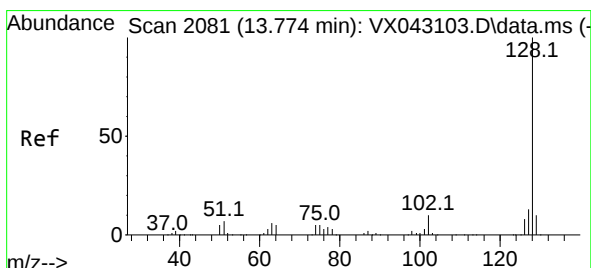
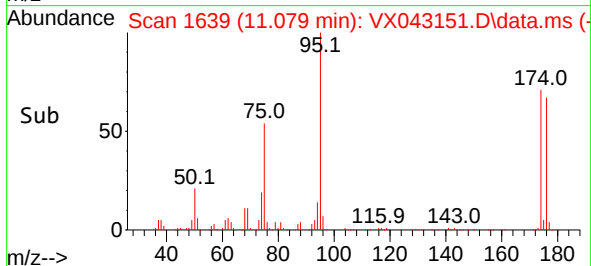
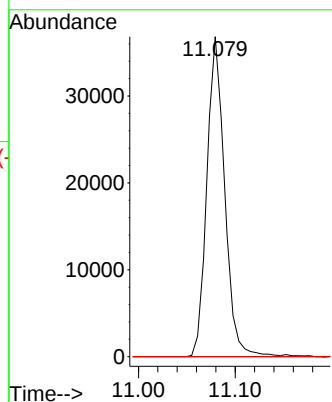
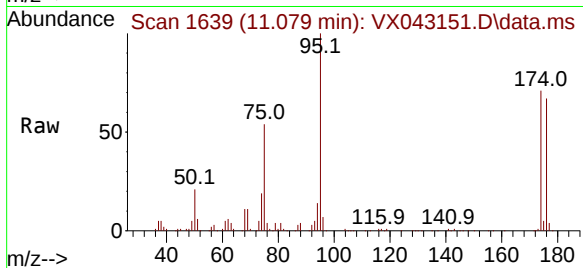




#81
trans-1,4-Dichloro-2-butene
Concen: 64.761 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043151.D
Acq: 25 Sep 2024 14:25

Instrument :
MSVOA_X
ClientSampleId :
RE135D2-20240920

Tgt Ion: 75 Resp: 47239
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 1.162 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX043151.D
Acq: 25 Sep 2024 14:25

Tgt Ion: 128 Resp: 6617
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 9.8 8.6 13.0

