

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092524\
 Data File : VX043159.D
 Acq On : 25 Sep 2024 17:30
 Operator : JC/MD
 Sample : P4164-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D1-20240920

Quant Time: Sep 26 01:38:56 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

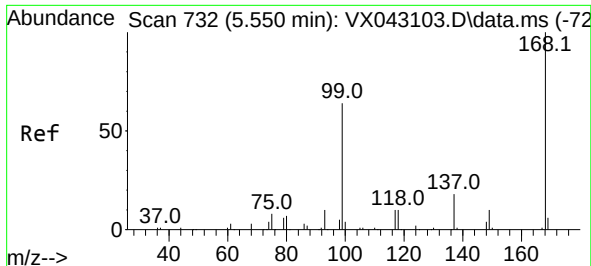
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	85910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	173638	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	165379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77949	54.624	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.240%	
35) Dibromofluoromethane	5.385	113	59966	48.956	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.920%	
50) Toluene-d8	8.647	98	213251	51.459	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.920%	
62) 4-Bromofluorobenzene	11.079	95	87664	52.528	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.060%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	5937	6.237	ug/l	99
11) Tert butyl alcohol	2.940	59	2962	9.296	ug/l #	71
12) 1,1-Dichloroethene	2.319	96	3602	3.956	ug/l	95
13) Acrolein	2.221	56	89	2.120	ug/l #	15
16) Acetone	2.386	43	1015	1.521	ug/l #	83
20) Methylene Chloride	2.794	84	227	0.214	ug/l #	66
24) 1,1-Dichloroethane	3.611	63	1161	0.634	ug/l #	81
25) 2-Butanone	4.568	43	1255	1.459	ug/l #	49
26) 2,2-Dichloropropane	4.562	77	1403	0.757	ug/l #	54
27) cis-1,2-Dichloroethene	4.501	96	1879	1.602	ug/l	87
30) Chloroform	5.105	83	1588	0.787	ug/l	87
31) Cyclohexane	5.544	56	2099	1.496	ug/l #	26
32) 1,1,1-Trichloroethane	5.385	97	568	0.297	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	7703	5.118	ug/l #	51
38) Carbon Tetrachloride	5.684	117	2344	1.209	ug/l	91
39) Methylcyclohexane	7.129	83	2824	1.495	ug/l #	1
44) Trichloroethene	7.123	130	229292	188.691	ug/l	99
49) 1,4-Dioxane	7.690	88	102	3.484	ug/l #	37
51) 4-Methyl-2-Pentanone	8.647	43	1145	0.590	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1102	0.936	ug/l #	88
76) 1,2,3-Trichloropropane	11.079	75	48700	26.516	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	48700	63.176	ug/l #	7
95) Naphthalene	13.780	128	2706	0.450	ug/l	97

(#) = 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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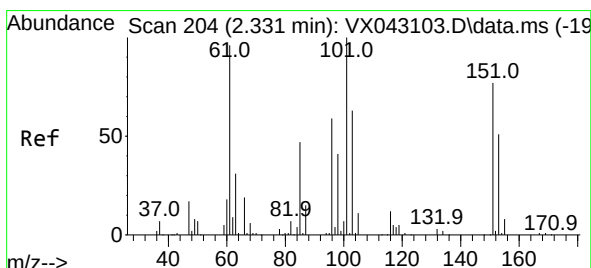
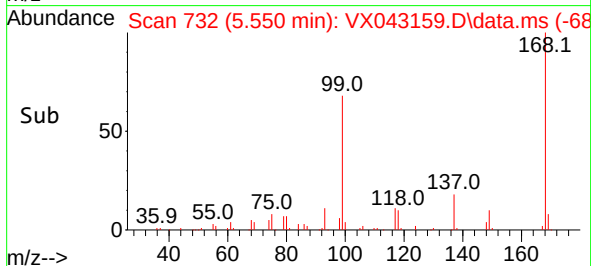
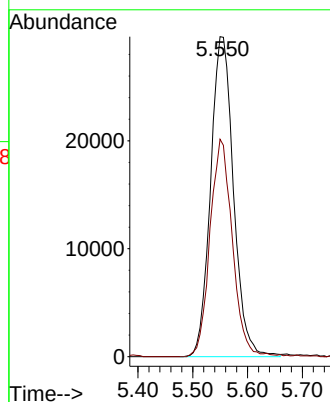
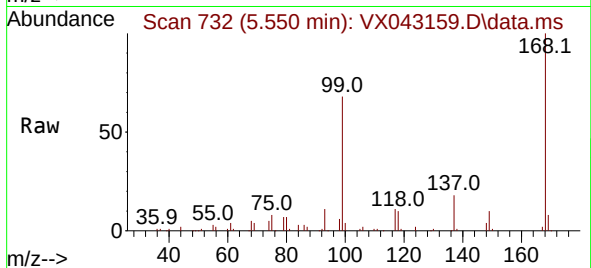




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043159.D
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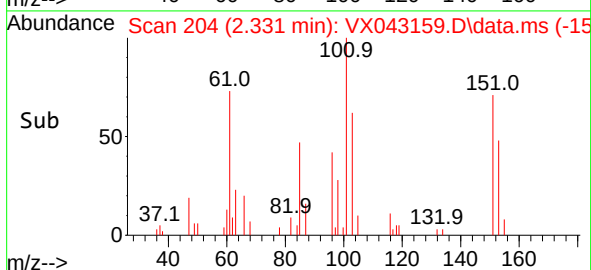
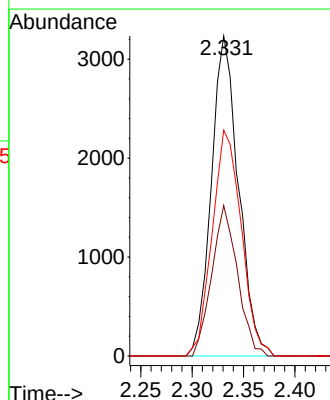
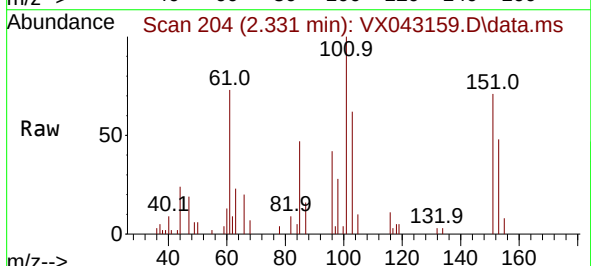
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20240920

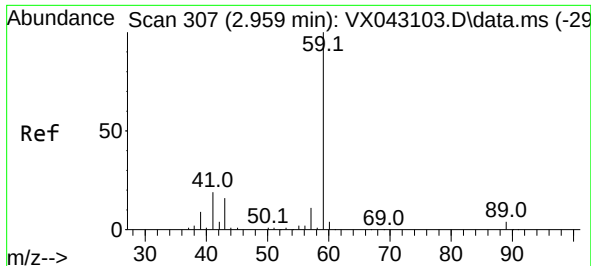
Tgt Ion:168 Resp: 85910
Ion Ratio Lower Upper
168 100
99 67.9 50.8 76.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.237 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

Tgt Ion:101 Resp: 5937
Ion Ratio Lower Upper
101 100
85 44.6 37.0 55.4
151 75.6 60.2 90.4





#11

Tert butyl alcohol

Concen: 9.296 ug/l

RT: 2.940 min Scan# 307

Delta R.T. -0.019 min

Lab File: VX043159.D

Acq: 25 Sep 2024 17:30

Instrument :

MSVOA_X

ClientSampleId :

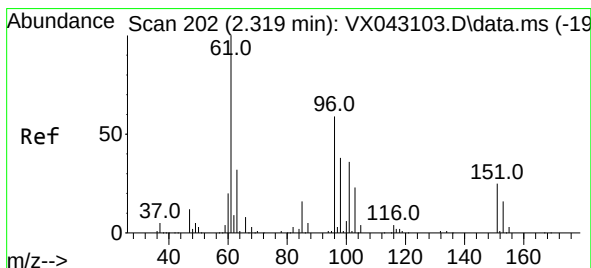
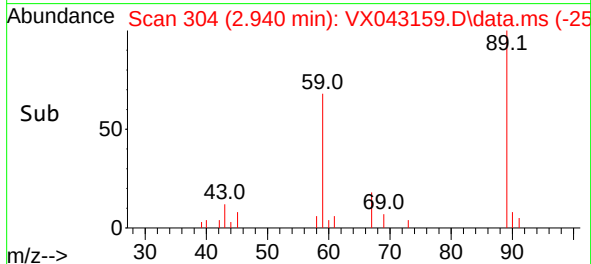
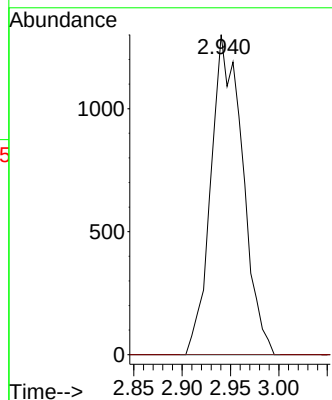
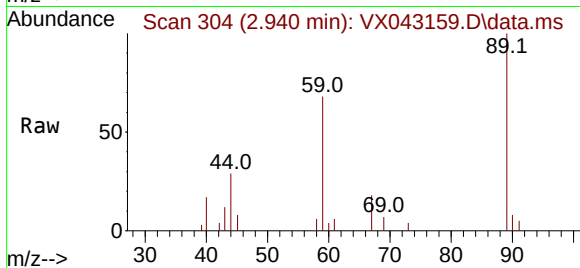
RE139D1-20240920

Tgt Ion: 59 Resp: 2962

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#12

1,1-Dichloroethene

Concen: 3.956 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX043159.D

Acq: 25 Sep 2024 17:30

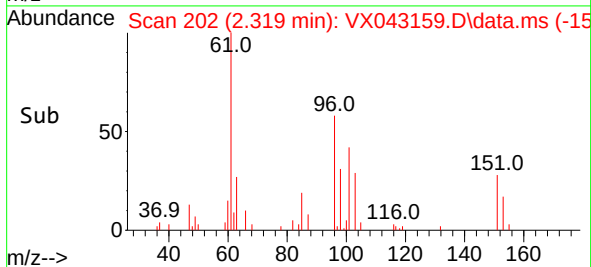
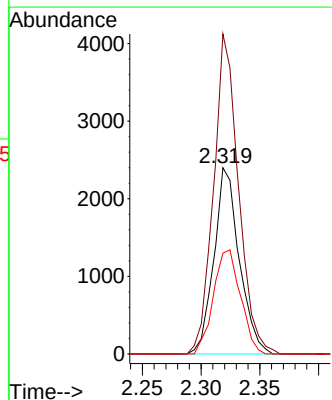
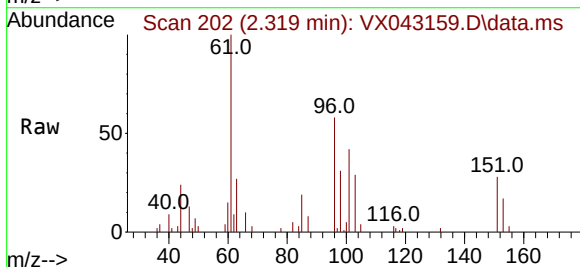
Tgt Ion: 96 Resp: 3602

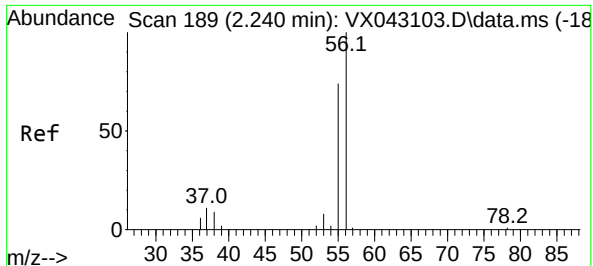
Ion Ratio Lower Upper

96 100

61 171.8 134.7 202.1

98 54.1 51.6 77.4

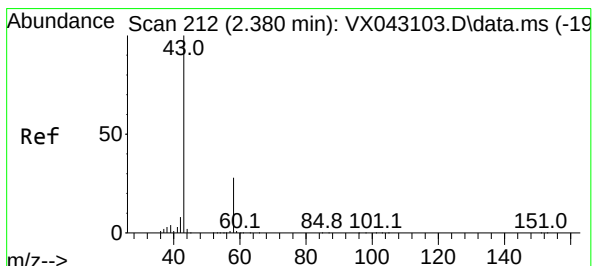
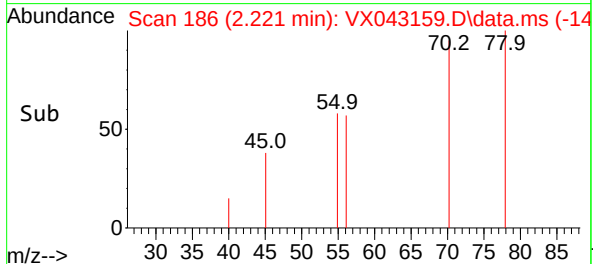
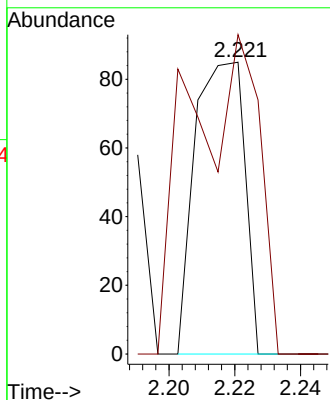
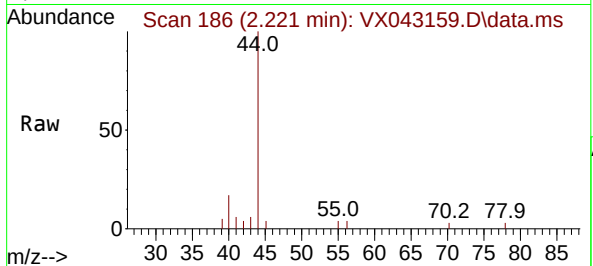




#13
Acrolein
Concen: 2.120 ug/l
RT: 2.221 min Scan# 11
Delta R.T. -0.019 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

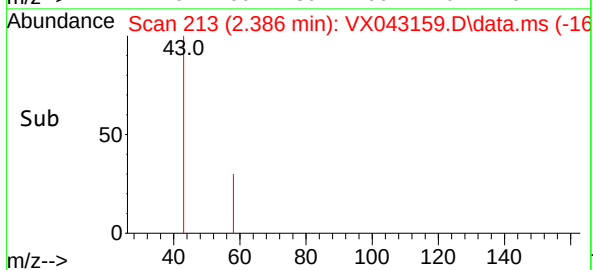
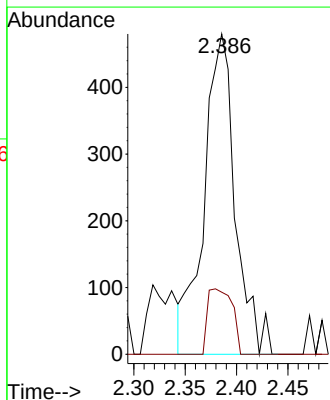
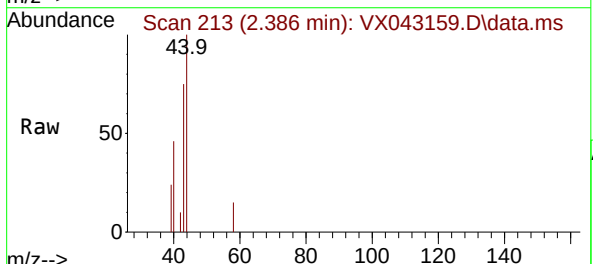
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20240920

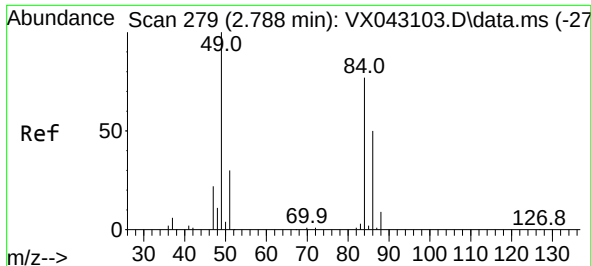
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#



#16
Acetone
Concen: 1.521 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

Tgt Ion: 43 Resp: 1015
Ion Ratio Lower Upper
43 100
58 19.4 22.6 34.0#

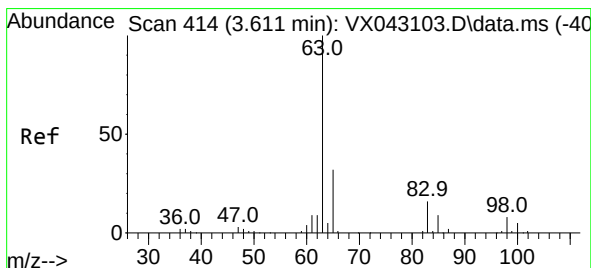
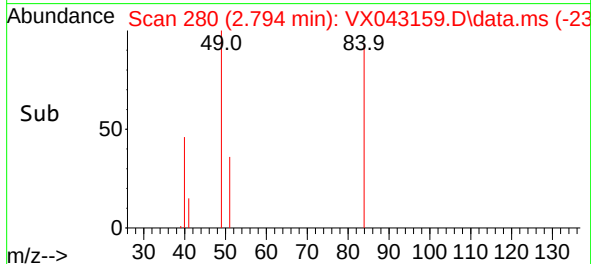
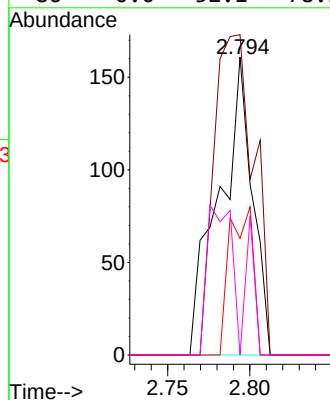
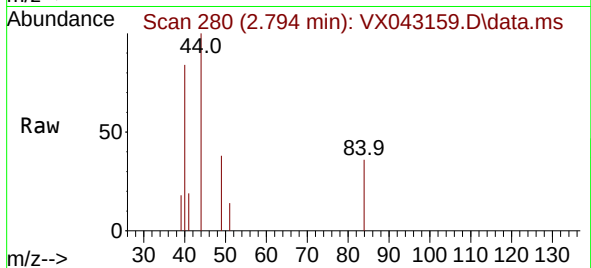




#20
Methylene Chloride
Concen: 0.214 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

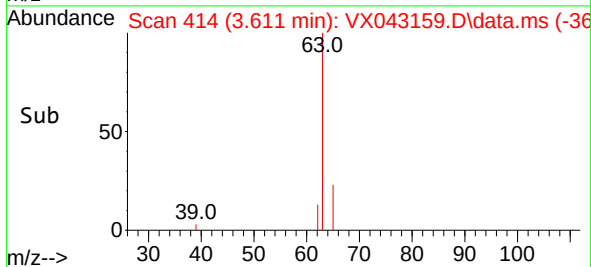
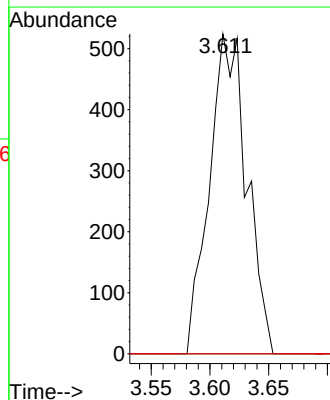
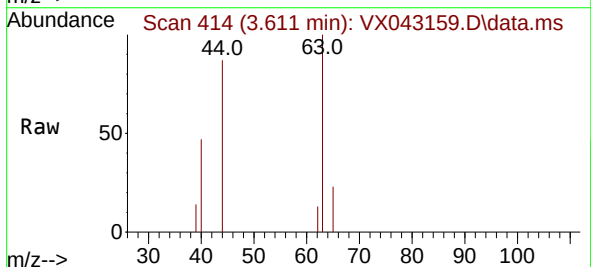
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20240920

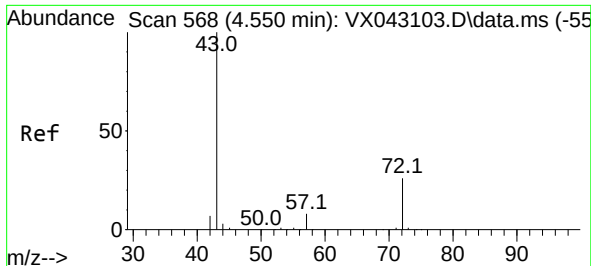
Tgt Ion:	84	Resp:	227
Ion	Ratio	Lower	Upper
84	100		
49	107.5	104.1	156.1
51	39.1	31.1	46.7
86	0.0	52.1	78.1#



#24
1,1-Dichloroethane
Concen: 0.634 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

Tgt Ion:	63	Resp:	1161
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.9	11.5#
100	0.0	2.5	7.6#





#25

2-Butanone

Concen: 1.459 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX043159.D

Acq: 25 Sep 2024 17:30

Instrument :

MSVOA_X

ClientSampleId :

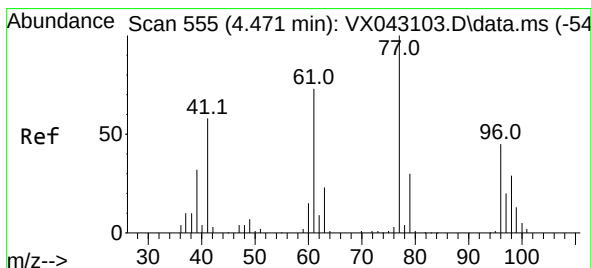
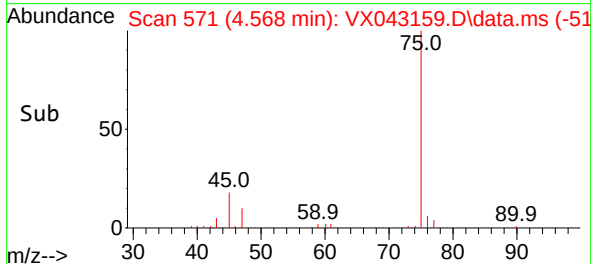
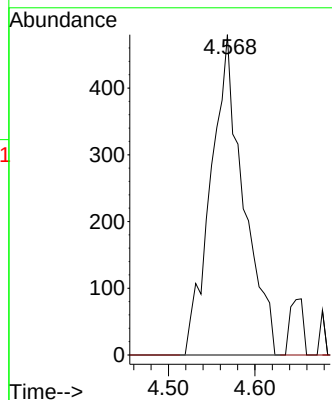
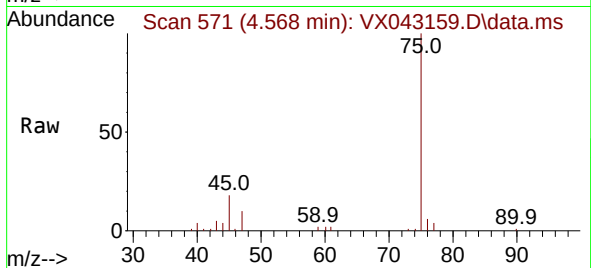
RE139D1-20240920

Tgt Ion: 43 Resp: 1255

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



#26

2,2-Dichloropropane

Concen: 0.757 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.091 min

Lab File: VX043159.D

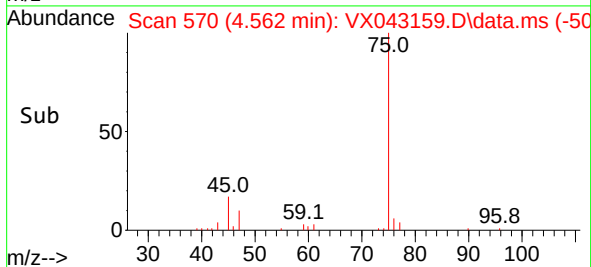
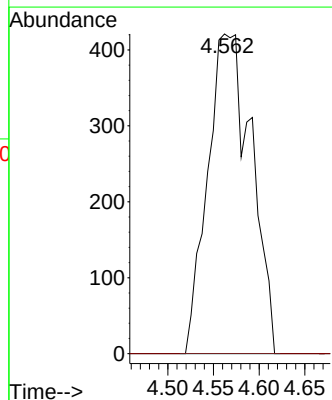
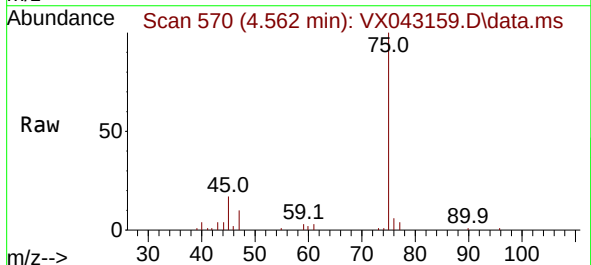
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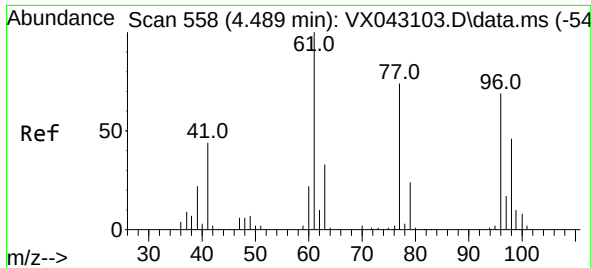
Tgt Ion: 77 Resp: 1403

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#

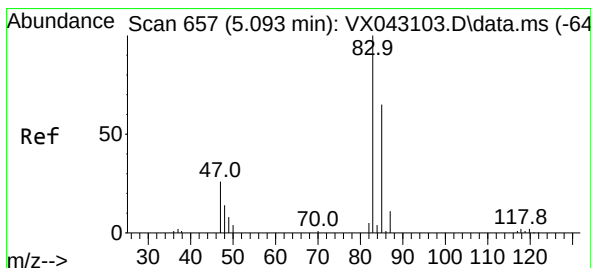
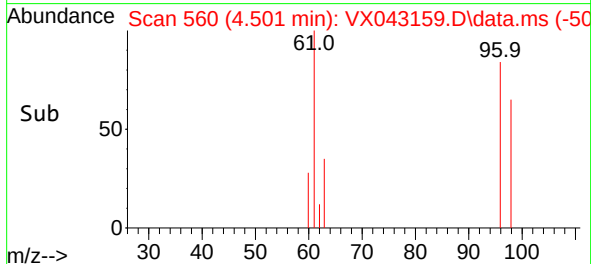
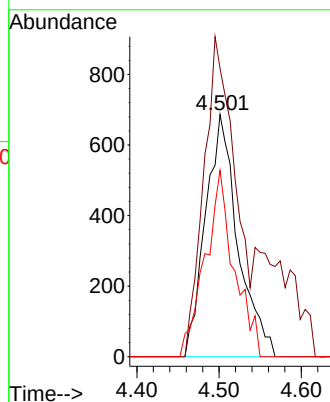
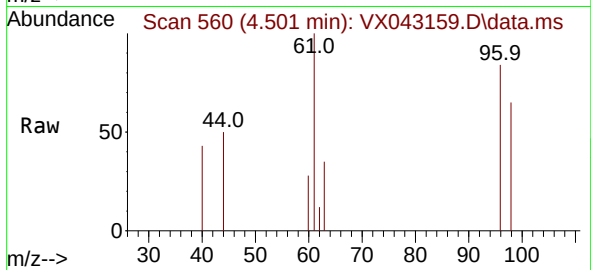




#27
cis-1,2-Dichloroethene
Concen: 1.602 ug/l
RT: 4.501 min Scan# 50
Delta R.T. 0.012 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

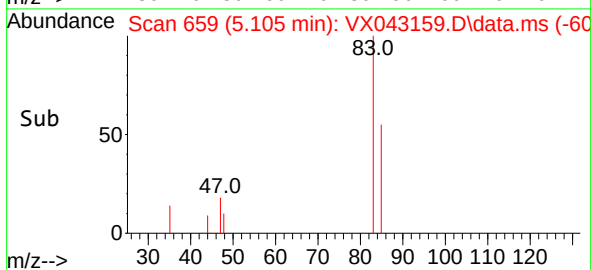
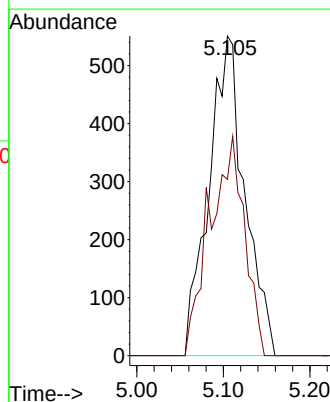
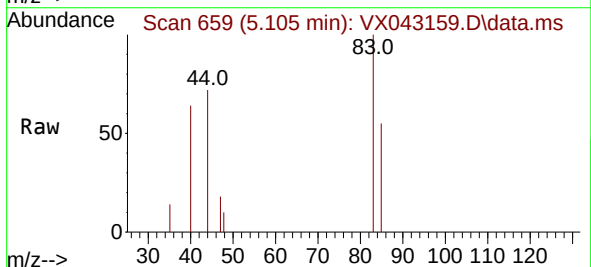
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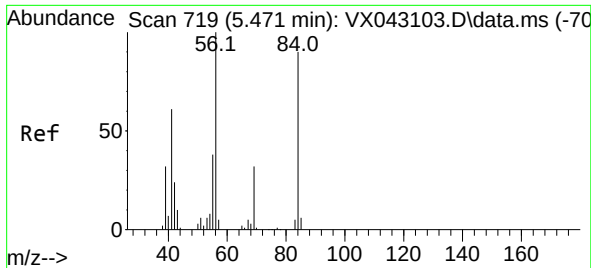
Tgt Ion: 96 Resp: 1879
Ion Ratio Lower Upper
96 100
61 126.9 0.0 297.8
98 68.8 0.0 131.2



#30
Chloroform
Concen: 0.787 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.012 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

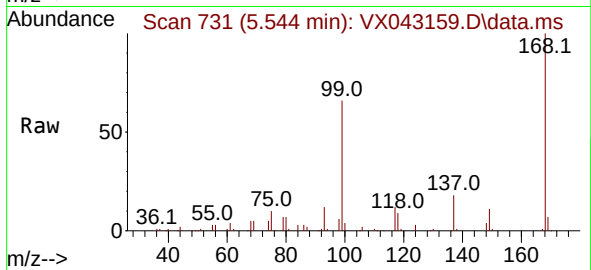
Tgt Ion: 83 Resp: 1588
Ion Ratio Lower Upper
83 100
85 55.2 52.4 78.6



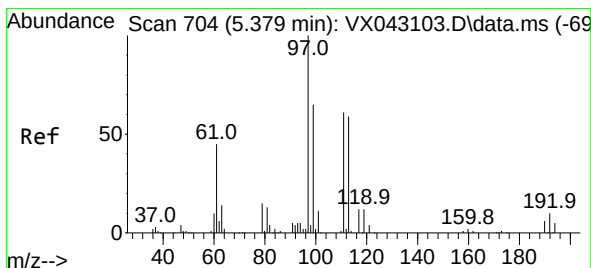
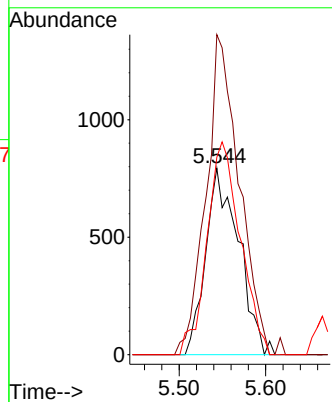
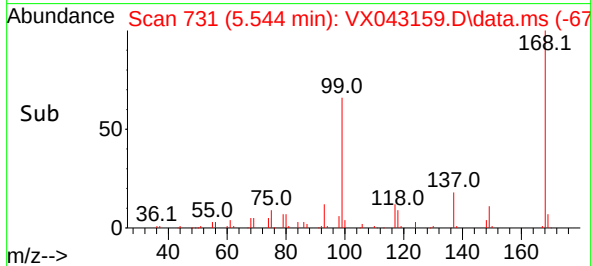


#31
Cyclohexane
Concen: 1.496 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20240920

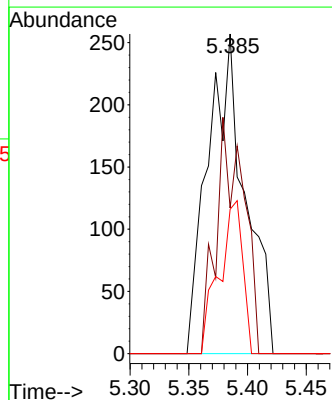
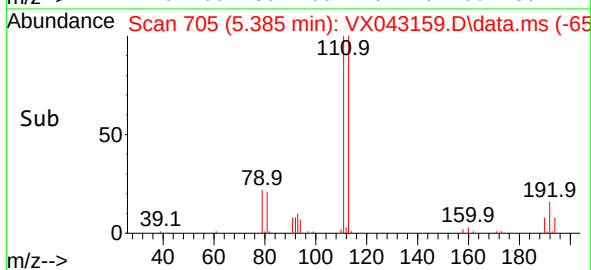
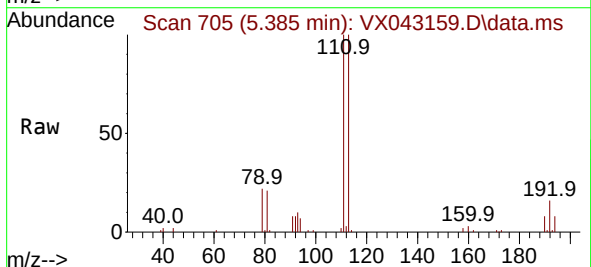


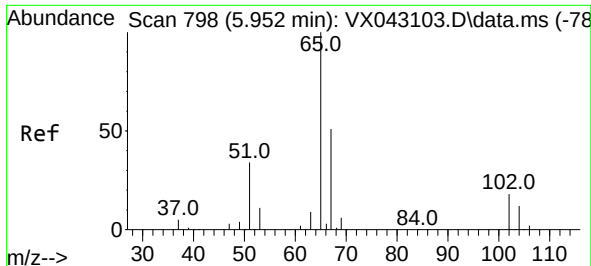
Tgt Ion: 56 Resp: 2099
Ion Ratio Lower Upper
56 100
69 165.2 25.8 38.6#
84 105.9 72.4 108.6



#32
1,1,1-Trichloroethane
Concen: 0.297 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

Tgt Ion: 97 Resp: 568
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 30.5 35.1 52.7#





#33

1,2-Dichloroethane-d4

Concen: 54.624 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043159.D

Acq: 25 Sep 2024 17:30

Instrument :

MSVOA_X

ClientSampleId :

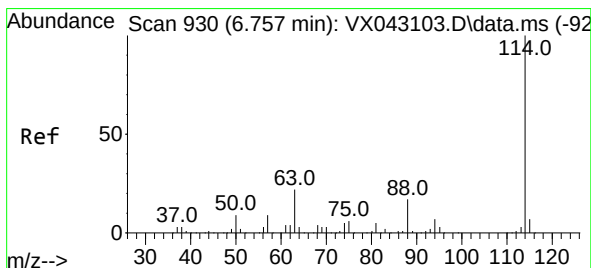
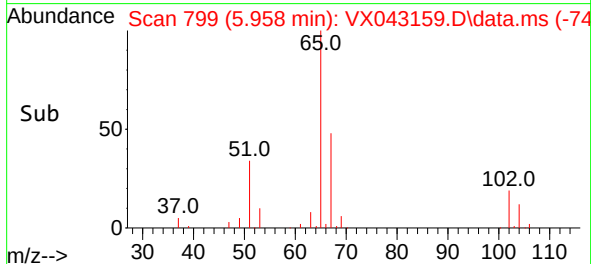
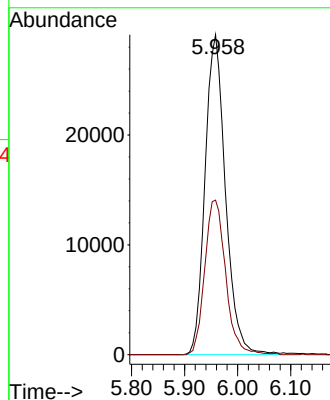
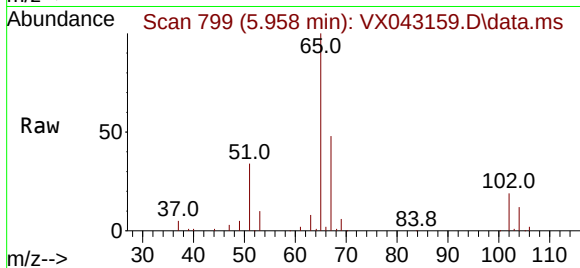
RE139D1-20240920

Tgt Ion: 65 Resp: 77949

Ion Ratio Lower Upper

65 100

67 49.6 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: VX043159.D

Acq: 25 Sep 2024 17:30

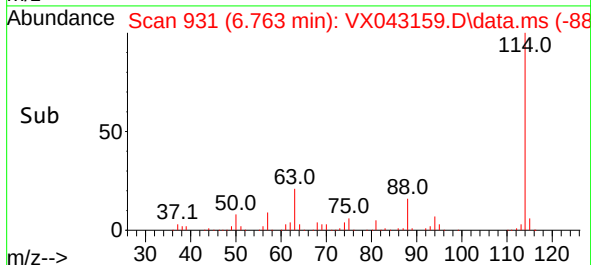
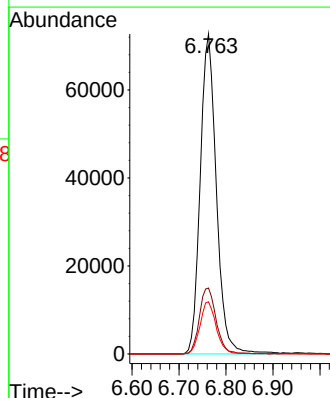
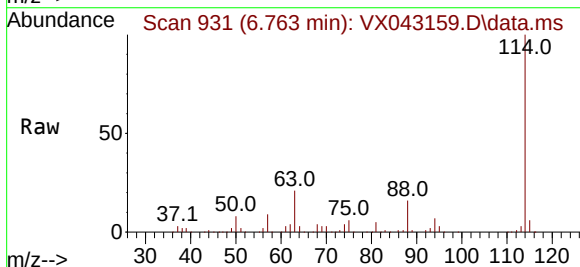
Tgt Ion: 114 Resp: 173638

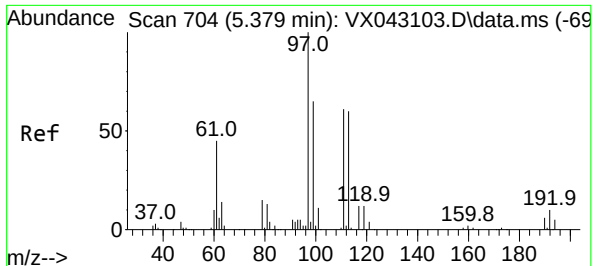
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

88 16.3 0.0 33.4

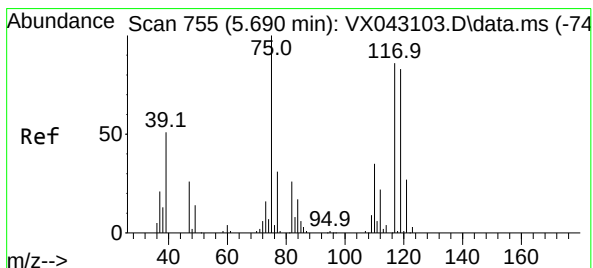
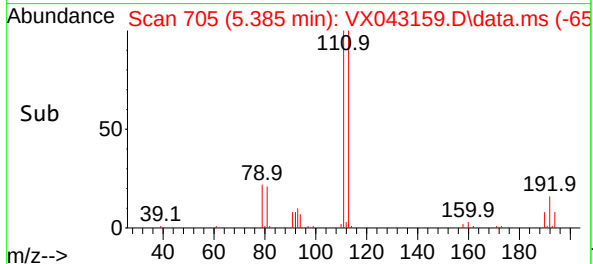
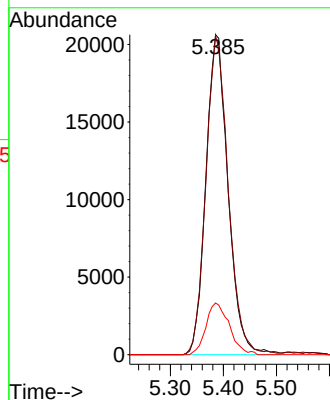
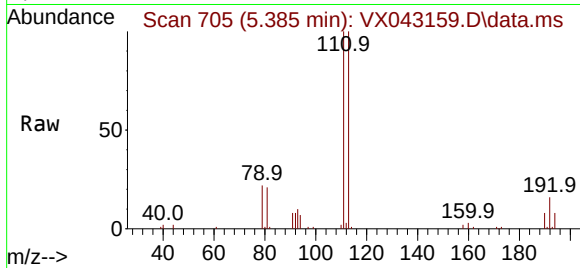




#35
Dibromofluoromethane
Concen: 48.956 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

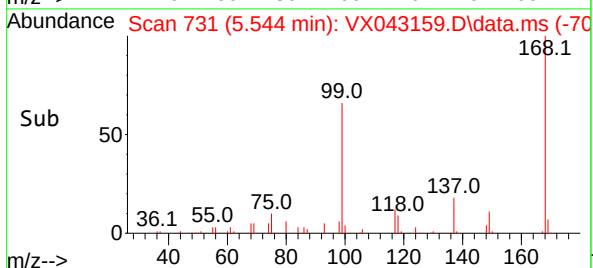
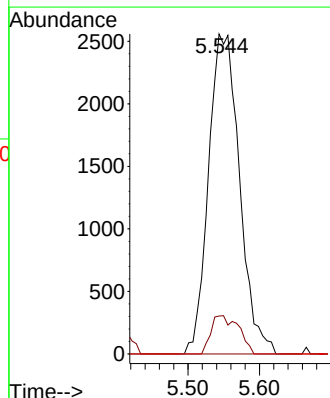
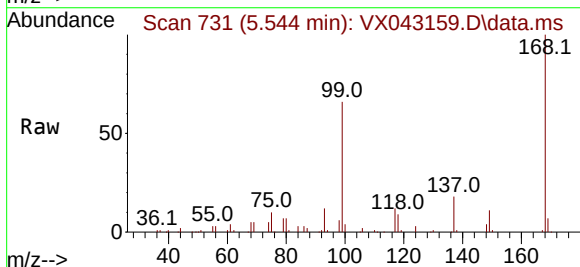
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20240920

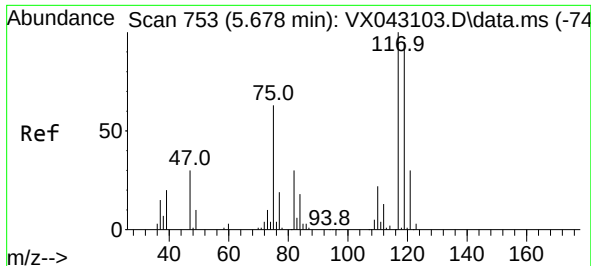
Tgt Ion:113 Resp: 59966
Ion Ratio Lower Upper
113 100
111 100.4 82.6 124.0
192 17.0 14.6 22.0



#36
1,1-Dichloropropene
Concen: 5.118 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

Tgt Ion: 75 Resp: 7703
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.4#
77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 1.209 ug/l

RT: 5.684 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX043159.D

Acq: 25 Sep 2024 17:30

Instrument :

MSVOA_X

ClientSampleId :

RE139D1-20240920

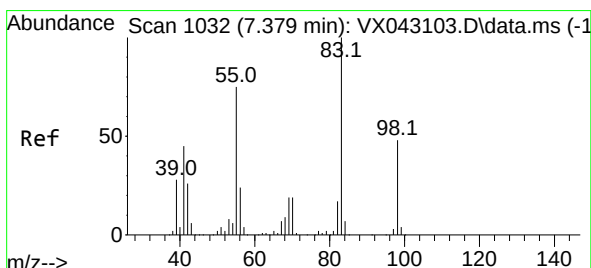
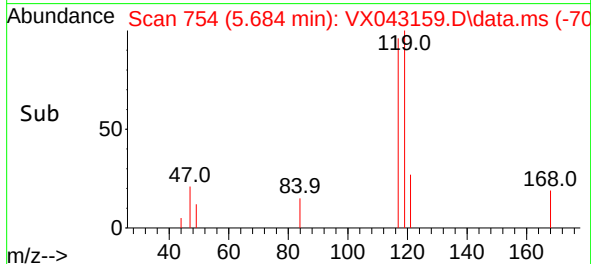
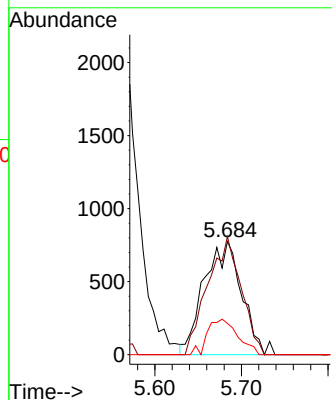
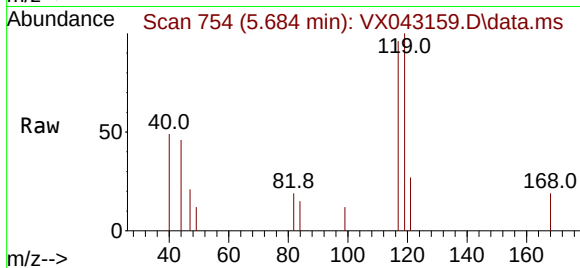
Tgt Ion:117 Resp: 2344

Ion Ratio Lower Upper

117 100

119 104.5 75.5 113.3

121 27.8 24.2 36.2



#39

Methylcyclohexane

Concen: 1.495 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.250 min

Lab File: VX043159.D

Acq: 25 Sep 2024 17:30

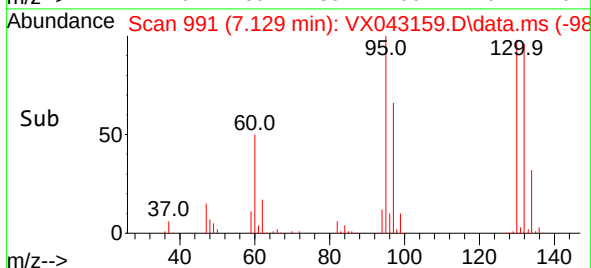
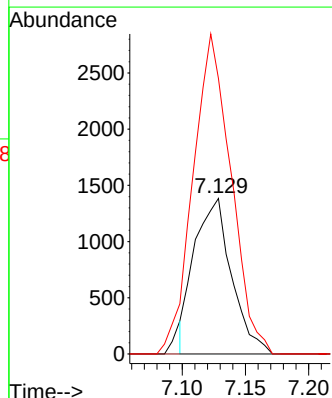
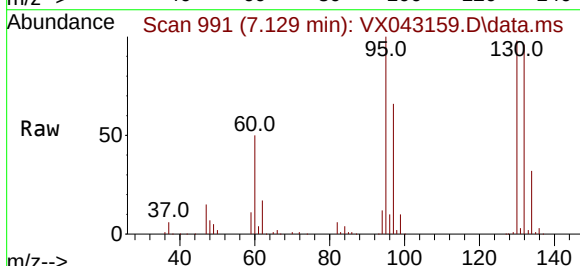
Tgt Ion: 83 Resp: 2824

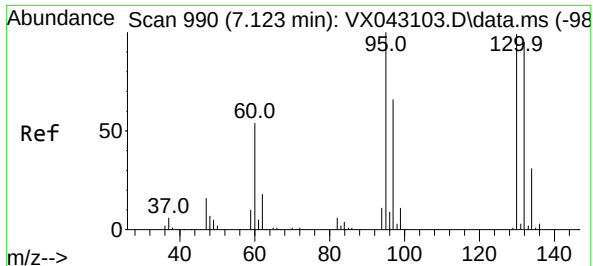
Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.4#

98 177.1 38.6 58.0#

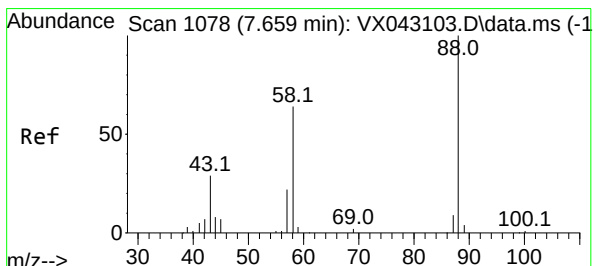
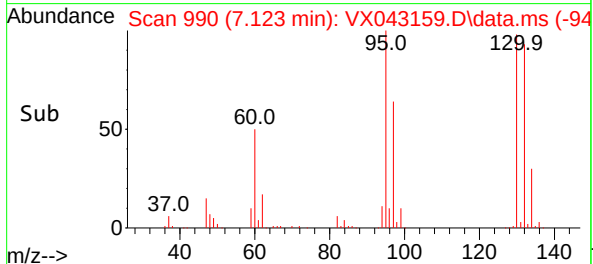
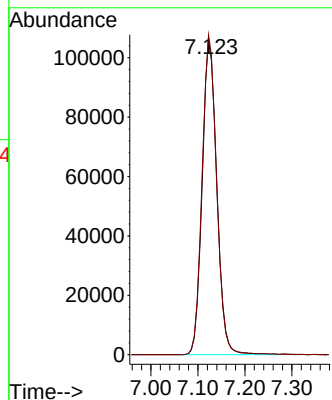
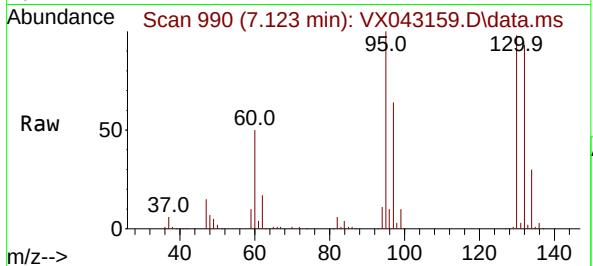




#44
Trichloroethene
Concen: 188.691 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

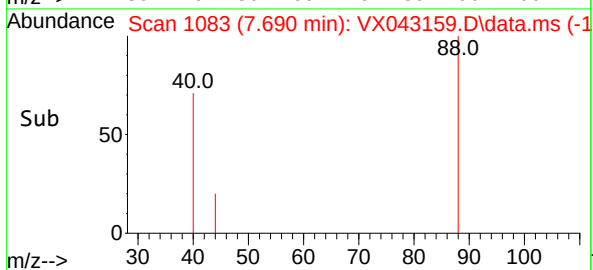
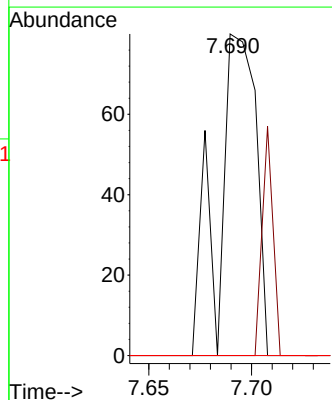
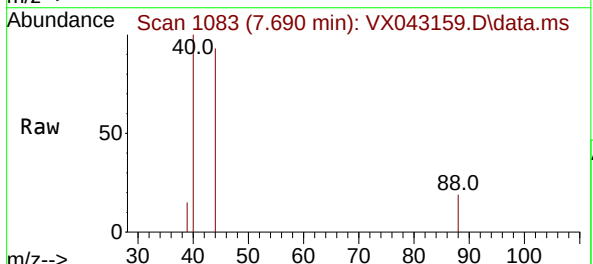
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20240920

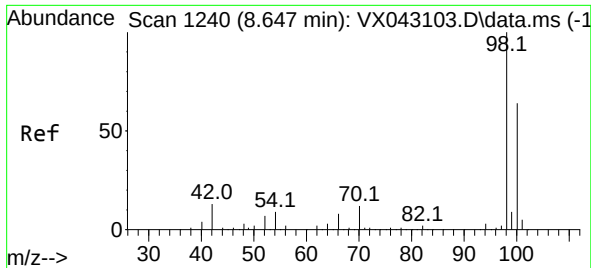
Tgt Ion:130 Resp: 229292
Ion Ratio Lower Upper
130 100
95 101.7 0.0 201.6



#49
1,4-Dioxane
Concen: 3.484 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.030 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

Tgt Ion: 88 Resp: 102
Ion Ratio Lower Upper
88 100
43 20.6 29.5 44.3#
58 0.0 52.5 78.7#

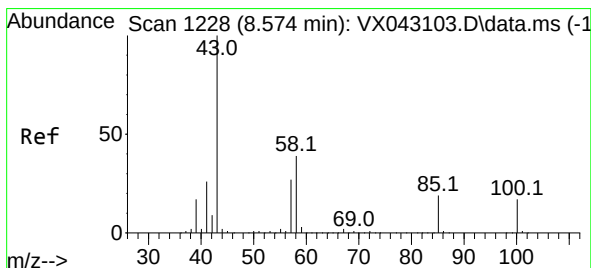
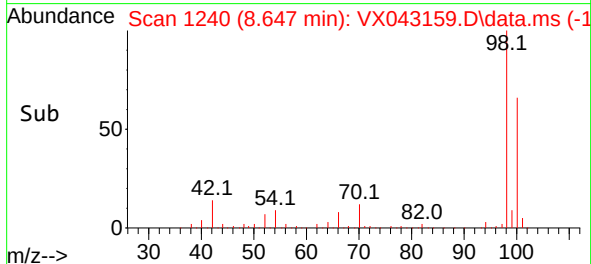
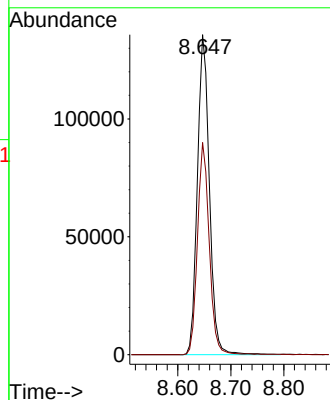
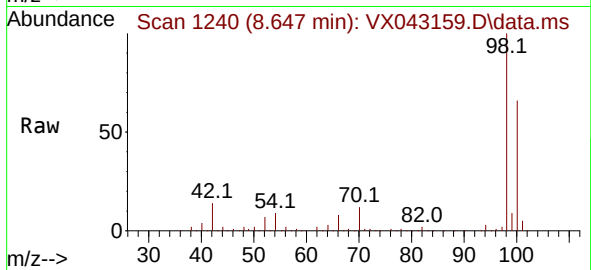




#50
Toluene-d8
Concen: 51.459 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

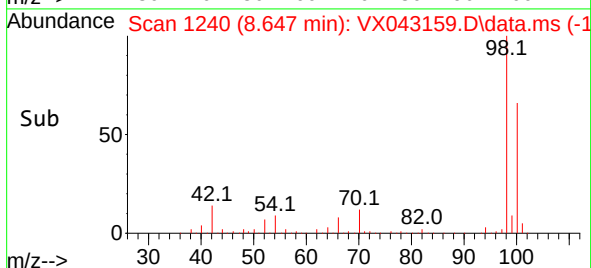
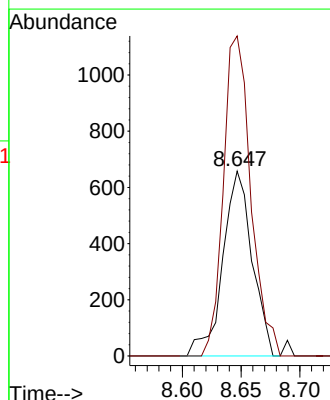
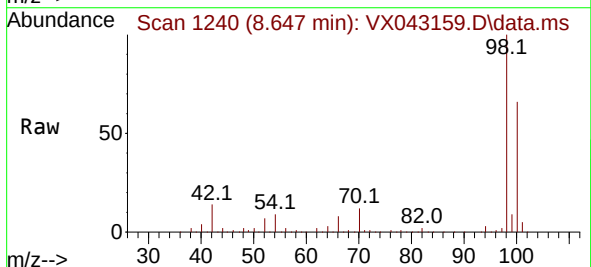
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20240920

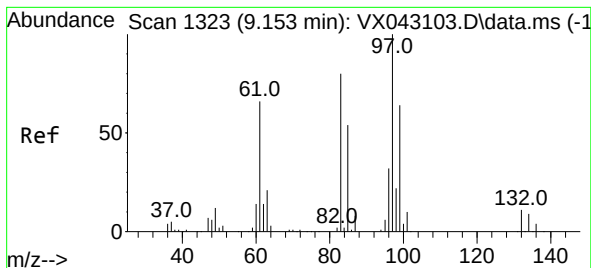
Tgt Ion: 98 Resp: 213251
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.590 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
58 161.7 30.3 45.5#





#55

1,1,2-Trichloroethane

Concen: 0.936 ug/l

RT: 9.159 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043159.D

Acq: 25 Sep 2024 17:30

Instrument :

MSVOA_X

ClientSampleId :

RE139D1-20240920

Tgt Ion: 97 Resp: 1102

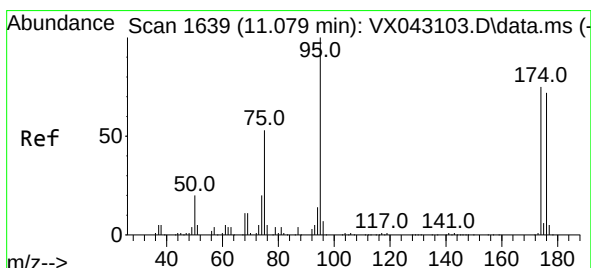
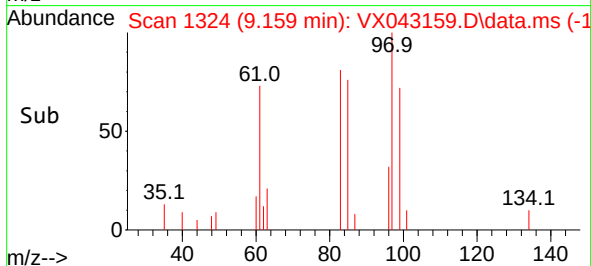
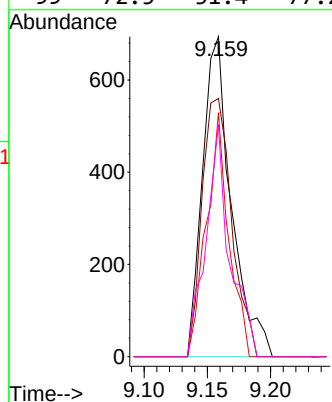
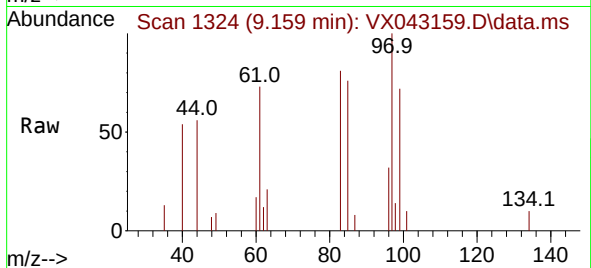
Ion Ratio Lower Upper

97 100

83 80.7 64.2 96.4

85 76.2 43.0 64.6#

99 72.5 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 52.528 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043159.D

Acq: 25 Sep 2024 17:30

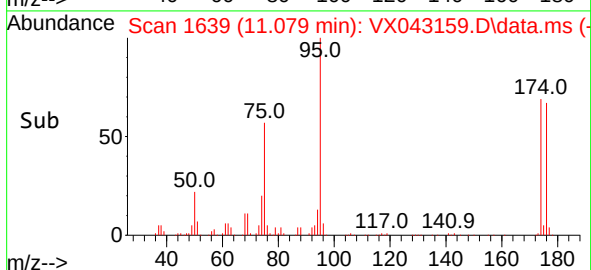
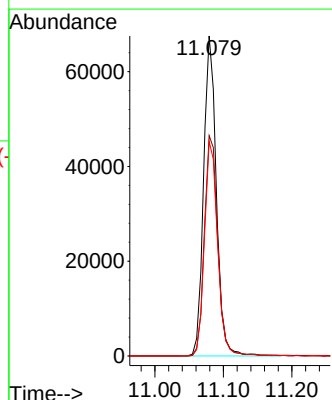
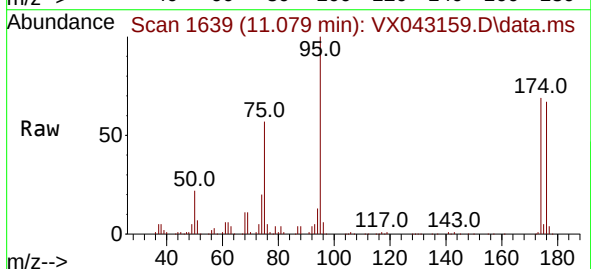
Tgt Ion: 95 Resp: 87664

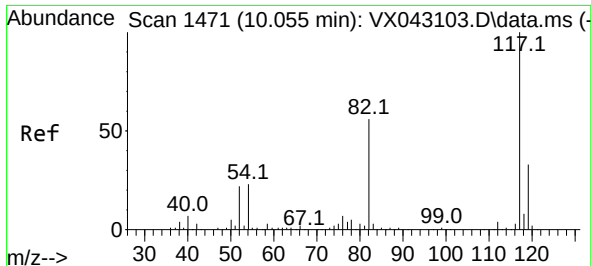
Ion Ratio Lower Upper

95 100

174 72.7 0.0 146.0

176 69.1 0.0 142.6

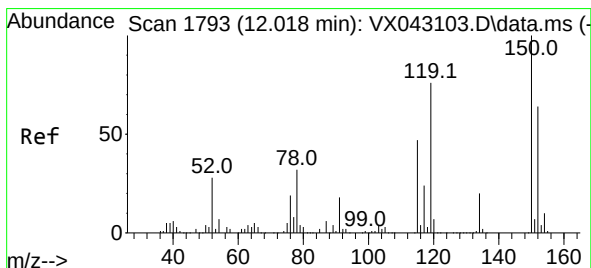
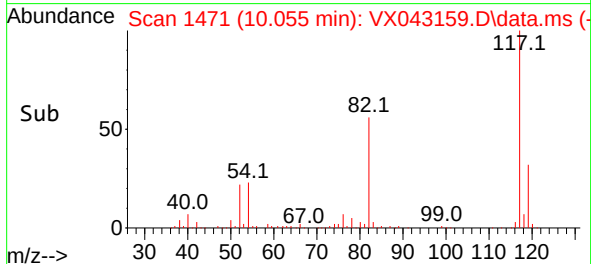
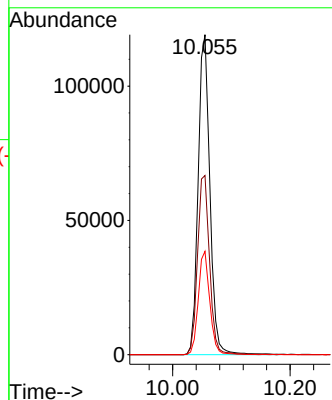
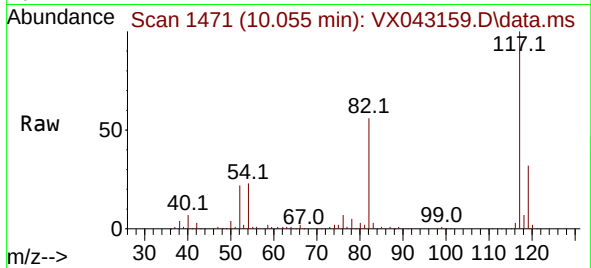




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

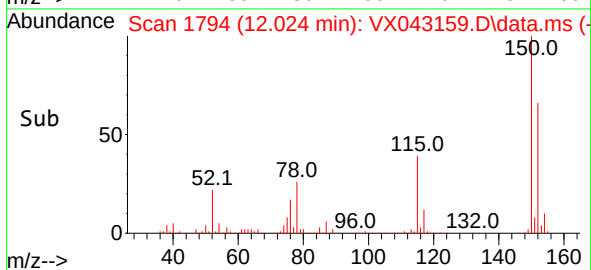
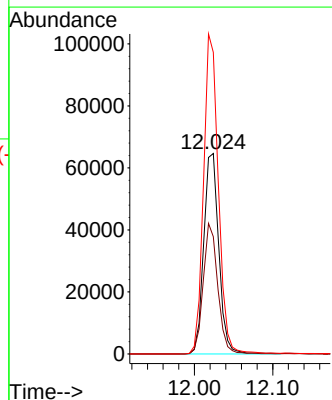
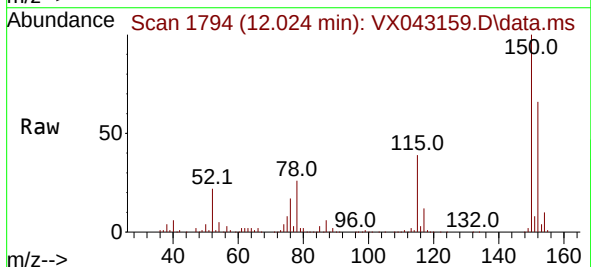
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20240920

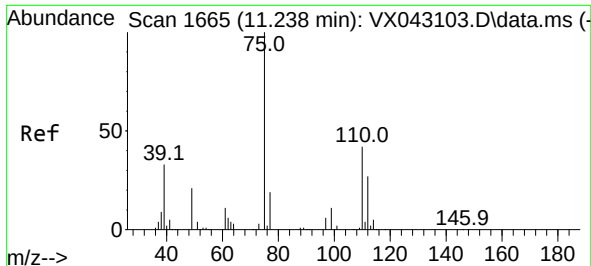
Tgt Ion:117 Resp: 165379
Ion Ratio Lower Upper
117 100
82 56.0 44.7 67.1
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

Tgt Ion:152 Resp: 86387
Ion Ratio Lower Upper
152 100
115 63.0 43.7 131.1
150 156.6 0.0 344.6

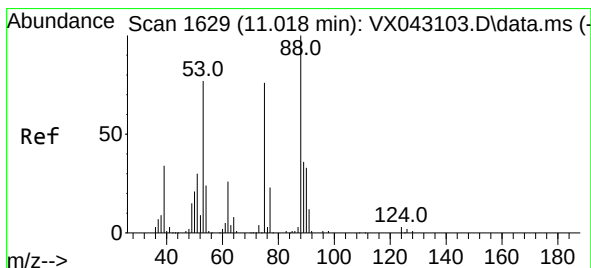
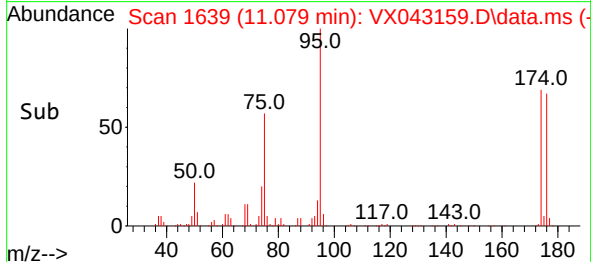
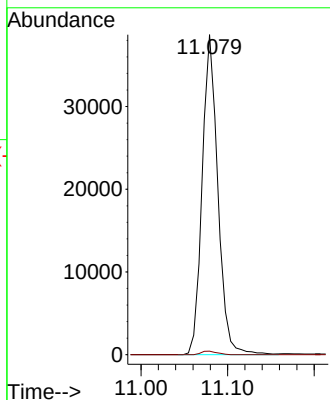
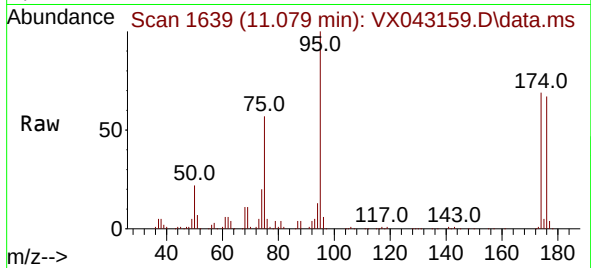




#76
1,2,3-Trichloropropane
Concen: 26.516 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

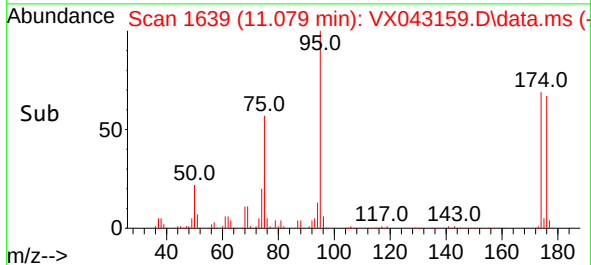
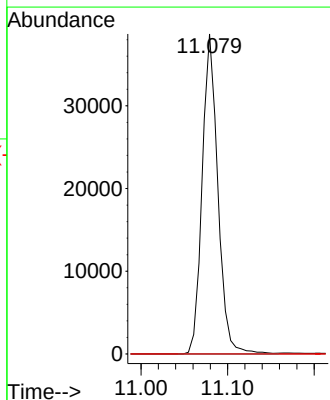
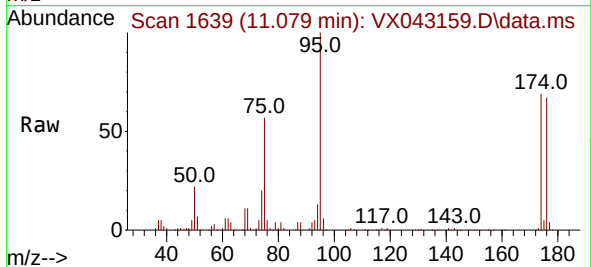
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20240920

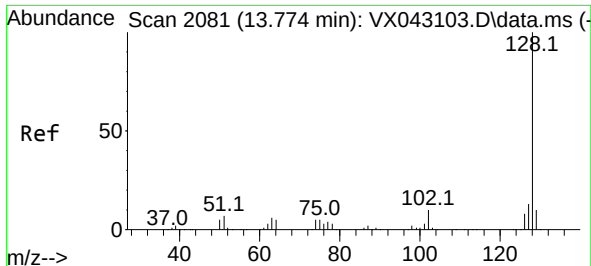
Tgt Ion: 75 Resp: 48700
Ion Ratio Lower Upper
75 100
77 1.1 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.176 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043159.D
Acq: 25 Sep 2024 17:30

Tgt Ion: 75 Resp: 48700
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 0.450 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX043159.D

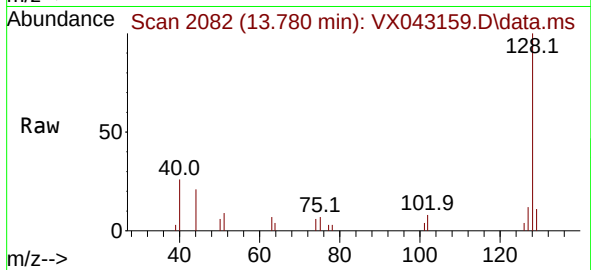
Acq: 25 Sep 2024 17:30

Instrument :

MSVOA_X

ClientSampleId :

RE139D1-20240920



Tgt Ion:128 Resp: 2706

Ion Ratio Lower Upper

128 100

127 10.6 10.2 15.4

129 10.8 8.6 13.0

