

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045408.D
 Acq On : 24 Mar 2025 12:34
 Operator : JC/MD
 Sample : Q1608-02DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D1-20250317DL

Quant Time: Mar 25 01:32:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

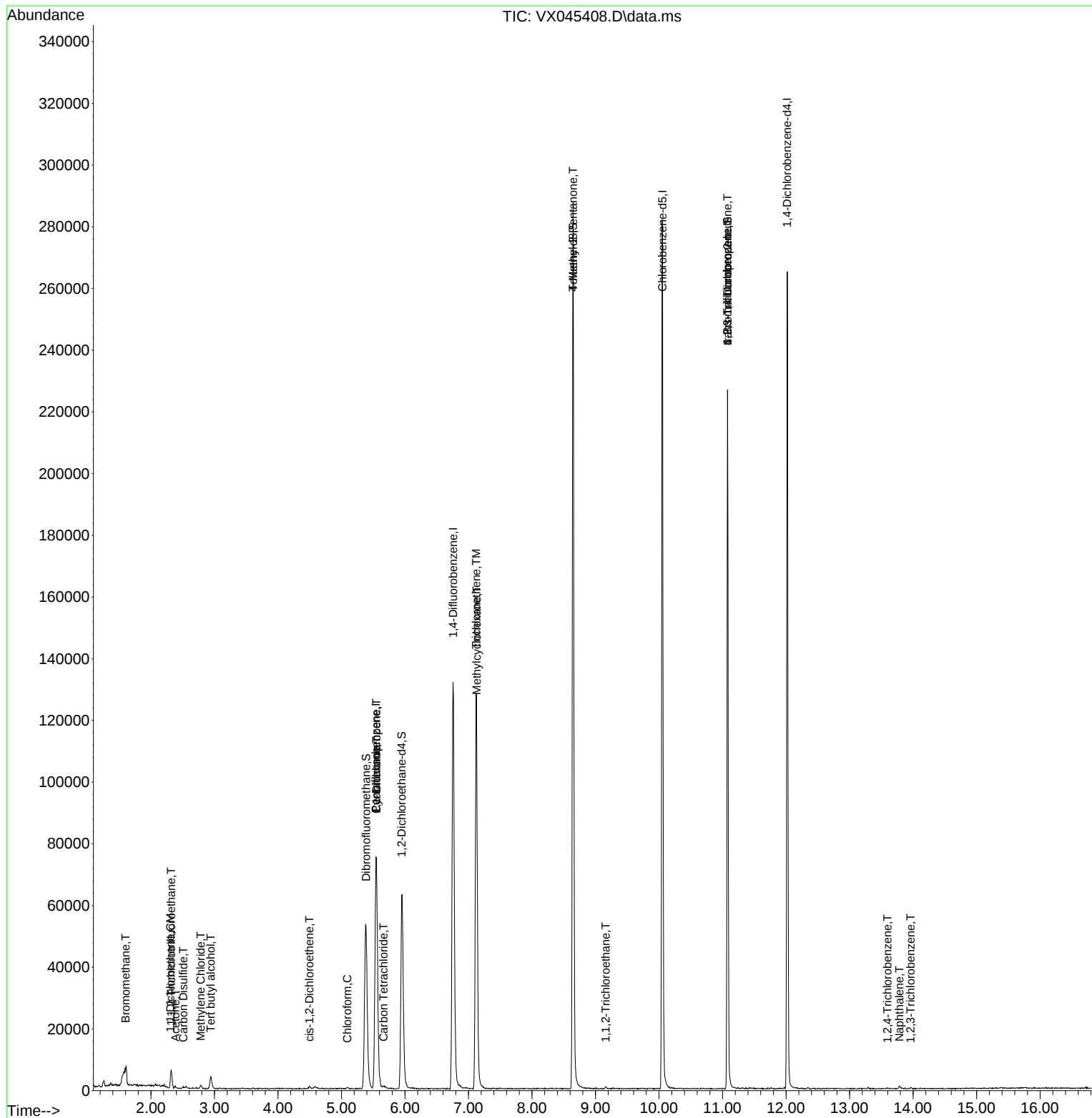
Internal Standards						
1) Pentafluorobenzene	5.544	168	65545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130703	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	60881	58.394	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.780%	
35) Dibromofluoromethane	5.385	113	46554	53.267	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.540%	
50) Toluene-d8	8.647	98	162185	51.187	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.380%	
62) 4-Bromofluorobenzene	11.079	95	57281	54.557	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.120%	
Target Compounds						Qvalue
5) Bromomethane	1.599	94	106	0.269	ug/l #	75
9) 1,1,2-Trichlorotrifluo...	2.319	101	1417	1.860	ug/l	98
11) Tert butyl alcohol	2.940	59	2378	12.042	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	875	1.086	ug/l	95
16) Acetone	2.386	43	615	1.271	ug/l #	89
17) Carbon Disulfide	2.508	76	607	0.283	ug/l #	77
20) Methylene Chloride	2.782	84	448	0.468	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	381	0.388	ug/l	68
30) Chloroform	5.093	83	431	0.265	ug/l	89
31) Cyclohexane	5.550	56	2061	1.453	ug/l #	37
36) 1,1-Dichloropropene	5.550	75	6656	5.553	ug/l #	50
38) Carbon Tetrachloride	5.660	117	304	0.250	ug/l #	63
39) Methylcyclohexane	7.129	83	682	0.475	ug/l #	11
44) Trichloroethene	7.123	130	46624	52.463	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	901	0.588	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	222	0.243	ug/l #	62
76) 1,2,3-Trichloropropane	11.079	75	33228	28.699	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33228	98.214	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.597	180	209	0.224	ug/l #	68
95) Naphthalene	13.786	128	1280	0.357	ug/l #	87
96) 1,2,3-Trichlorobenzene	13.963	180	246	0.250	ug/l #	61

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

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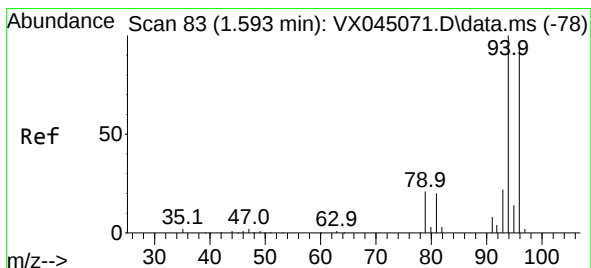
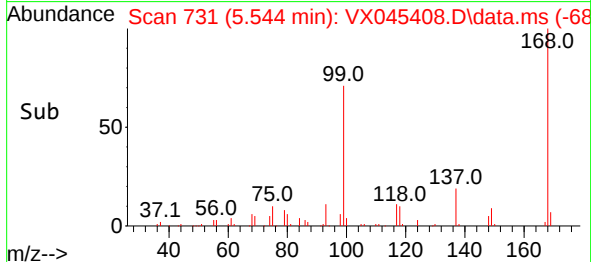
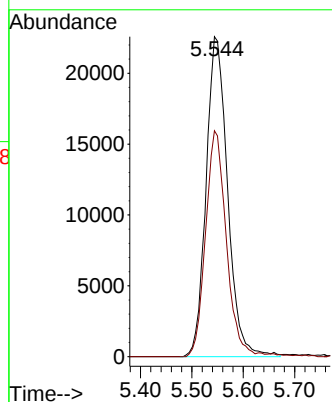
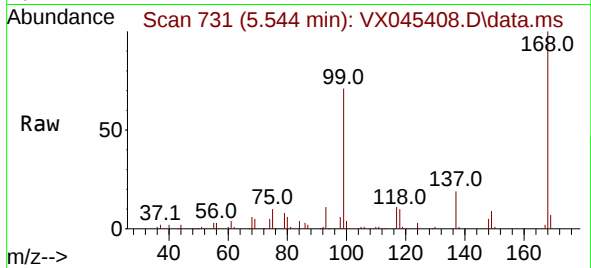




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

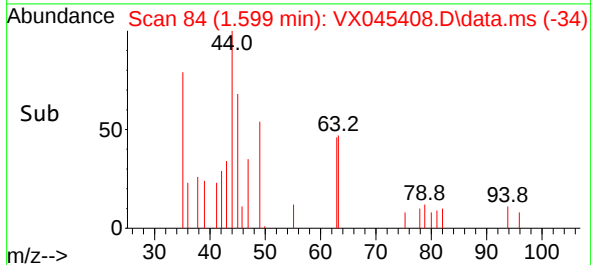
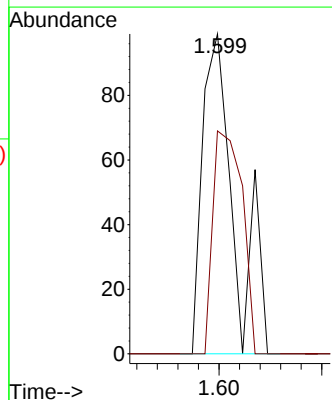
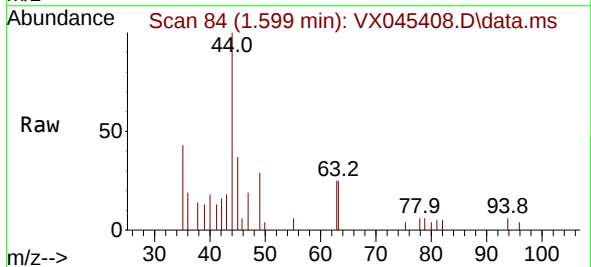
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

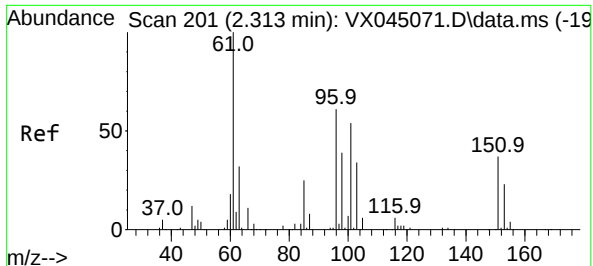
Tgt Ion:168 Resp: 65545
Ion Ratio Lower Upper
168 100
99 70.6 48.2 72.4



#5
Bromomethane
Concen: 0.269 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion: 94 Resp: 106
Ion Ratio Lower Upper
94 100
96 69.7 75.0 112.4#

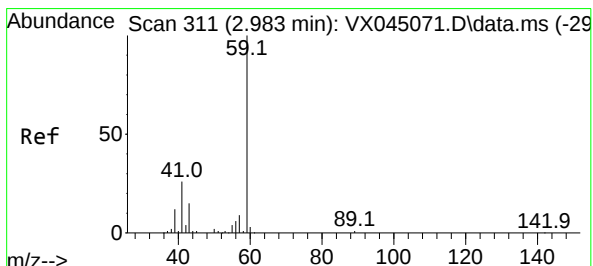
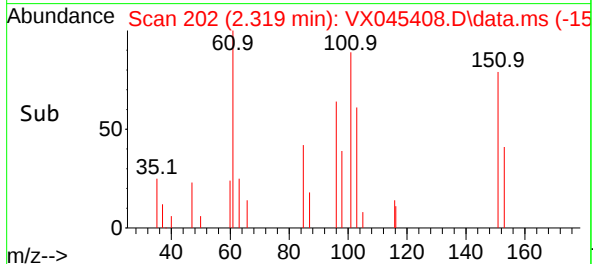
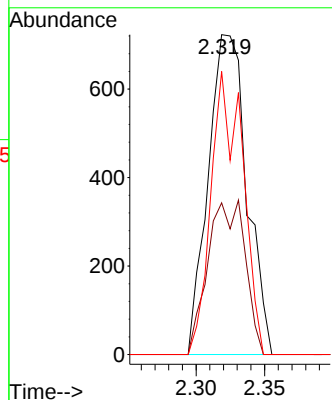
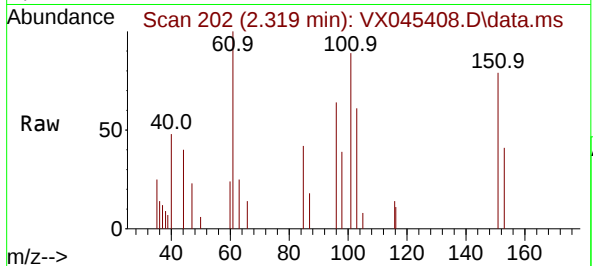




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.860 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

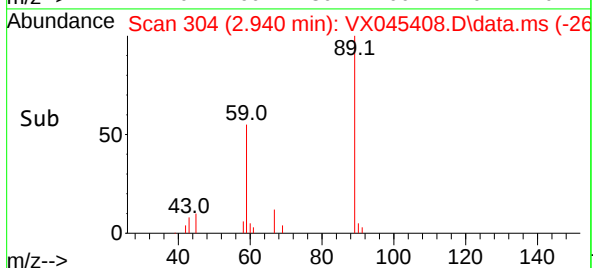
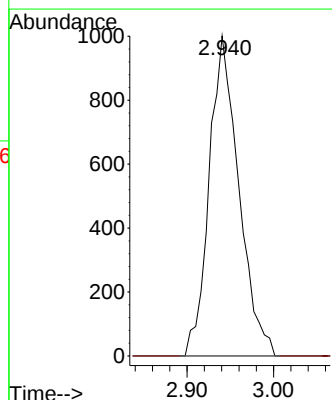
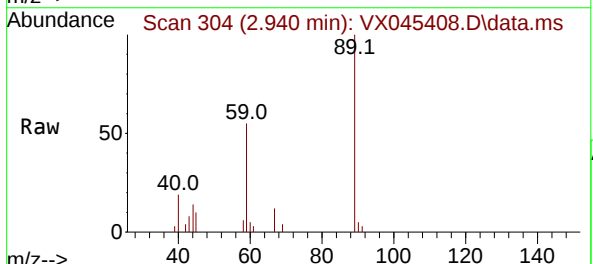
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

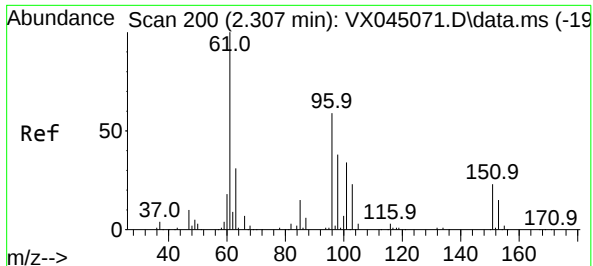
Tgt Ion:101 Resp: 1417
Ion Ratio Lower Upper
101 100
85 46.4 36.2 54.4
151 72.6 56.4 84.6



#11
Tert butyl alcohol
Concen: 12.042 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion: 59 Resp: 2378
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 1.086 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045408.D

Acq: 24 Mar 2025 12:34

Instrument :

MSVOA_X

ClientSampleId :

RE139D1-20250317DL

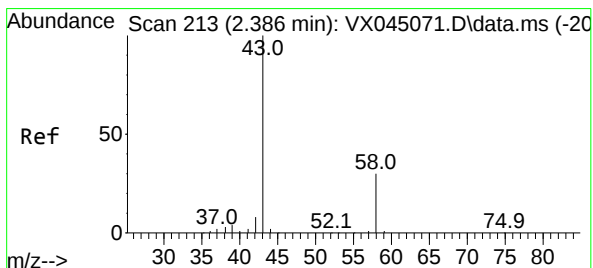
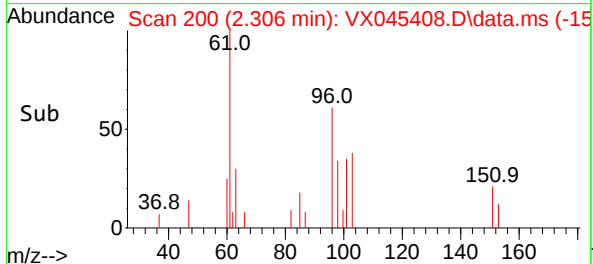
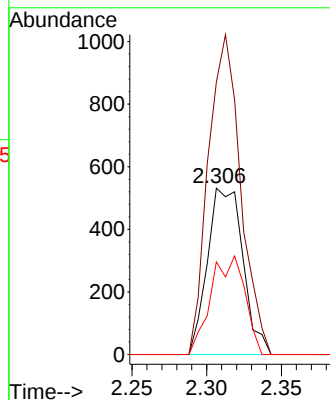
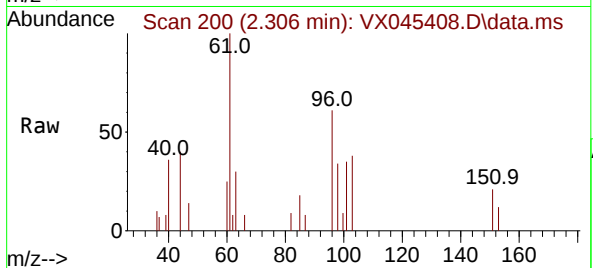
Tgt Ion: 96 Resp: 875

Ion Ratio Lower Upper

96 100

61 163.5 134.6 202.0

98 55.6 51.0 76.6



#16

Acetone

Concen: 1.271 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045408.D

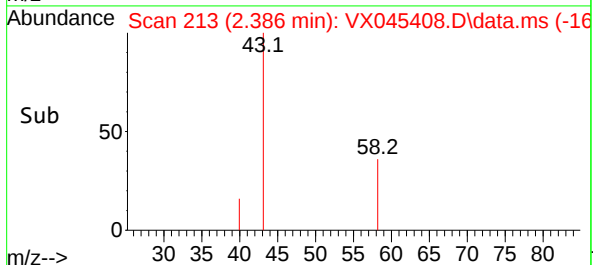
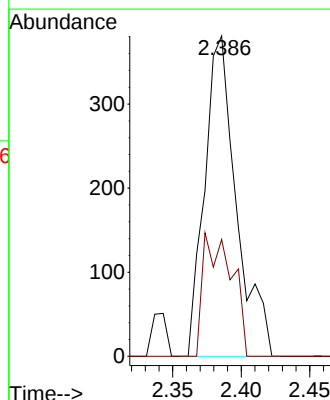
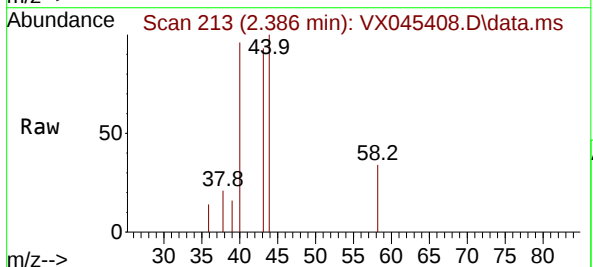
Acq: 24 Mar 2025 12:34

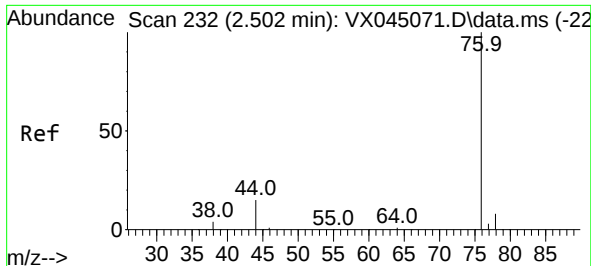
Tgt Ion: 43 Resp: 615

Ion Ratio Lower Upper

43 100

58 36.5 24.2 36.4#





#17

Carbon Disulfide

Concen: 0.283 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045408.D

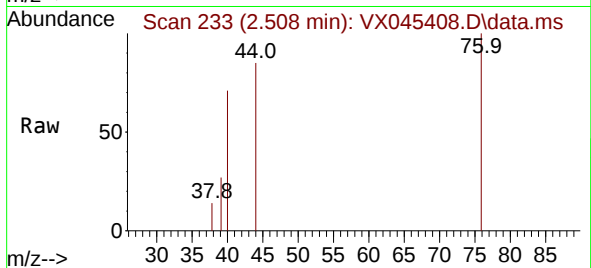
Acq: 24 Mar 2025 12:34

Instrument :

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ClientSampleId :

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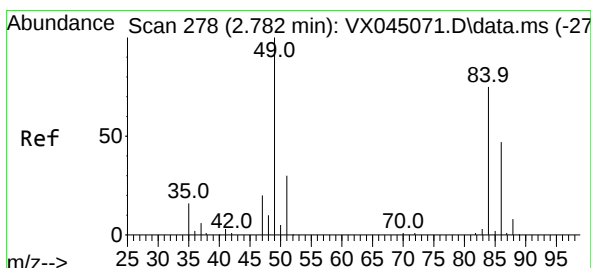
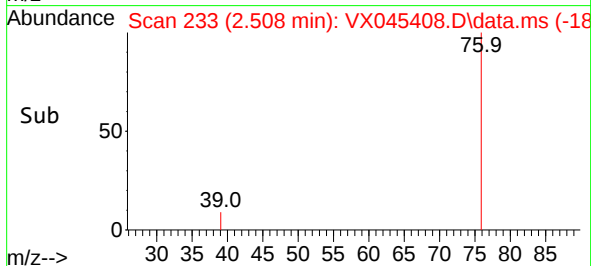
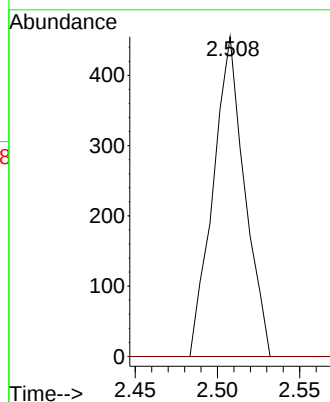


Tgt Ion: 76 Resp: 607

Ion Ratio Lower Upper

76 100

78 0.0 6.6 9.8#



#20

Methylene Chloride

Concen: 0.468 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045408.D

Acq: 24 Mar 2025 12:34

Tgt Ion: 84 Resp: 448

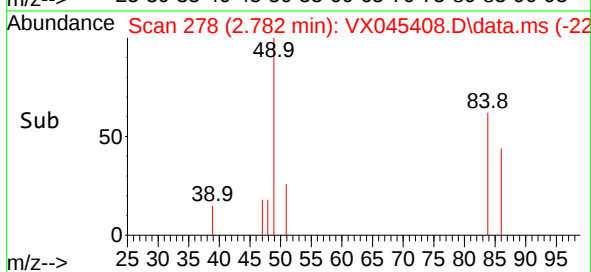
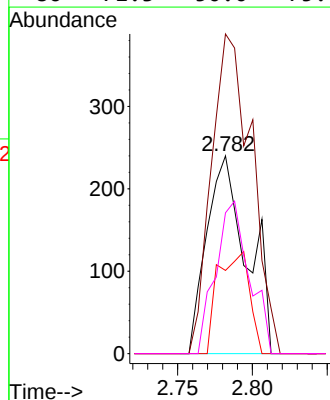
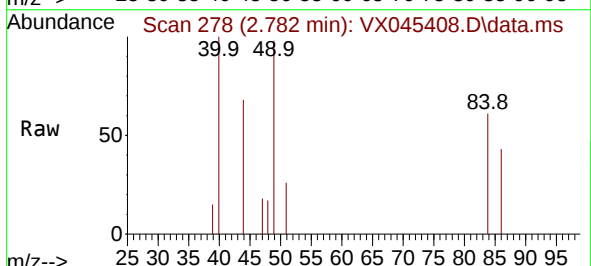
Ion Ratio Lower Upper

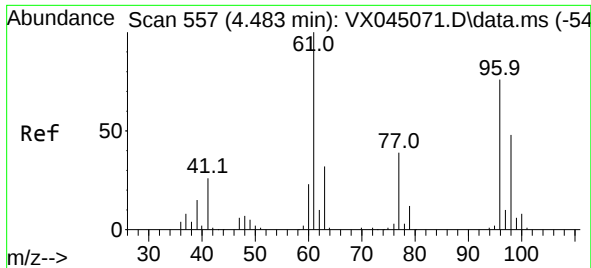
84 100

49 161.7 106.5 159.7#

51 42.1 32.1 48.1

86 71.3 50.0 75.0

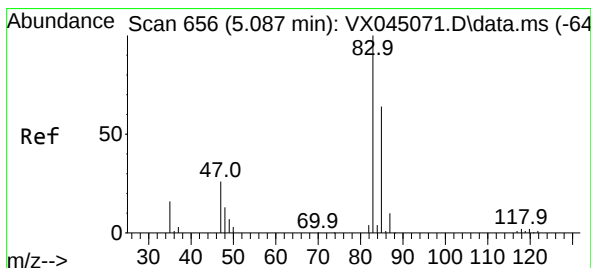
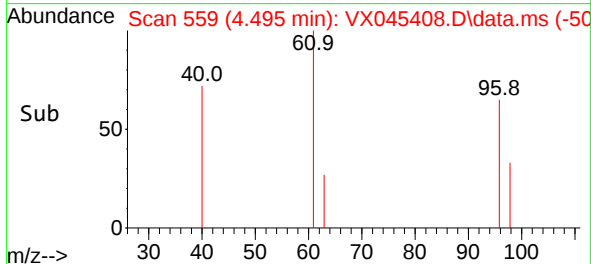
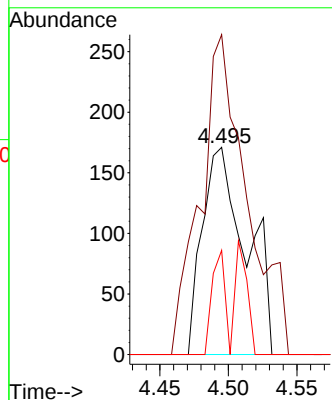
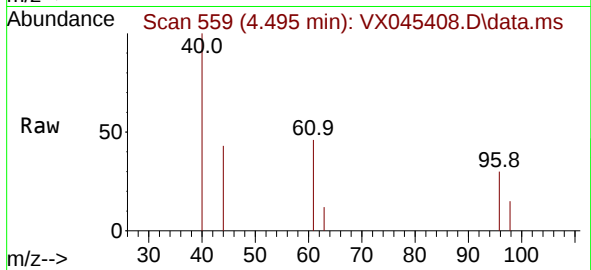




#27
 cis-1,2-Dichloroethene
 Concen: 0.388 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VX045408.D
 Acq: 24 Mar 2025 12:34

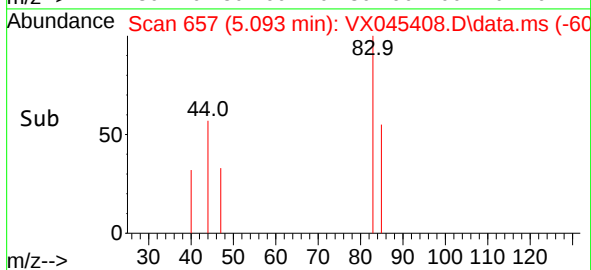
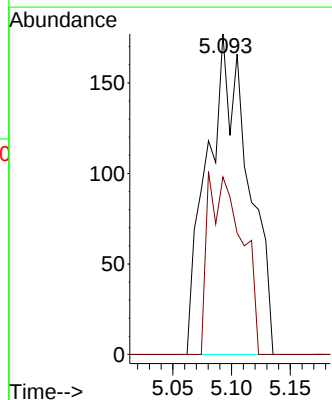
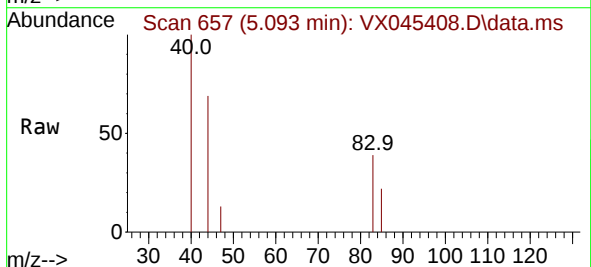
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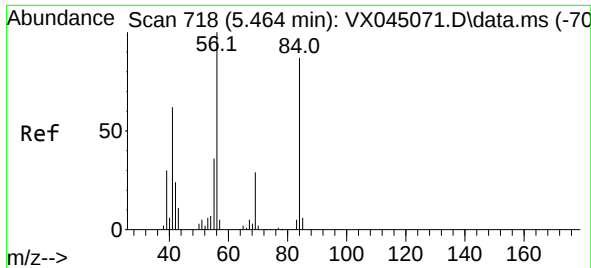
Tgt Ion: 96 Resp: 381
 Ion Ratio Lower Upper
 96 100
 61 163.8 0.0 283.2
 98 14.7 0.0 128.0



#30
 Chloroform
 Concen: 0.265 ug/l
 RT: 5.093 min Scan# 657
 Delta R.T. 0.006 min
 Lab File: VX045408.D
 Acq: 24 Mar 2025 12:34

Tgt Ion: 83 Resp: 431
 Ion Ratio Lower Upper
 83 100
 85 55.4 51.4 77.2

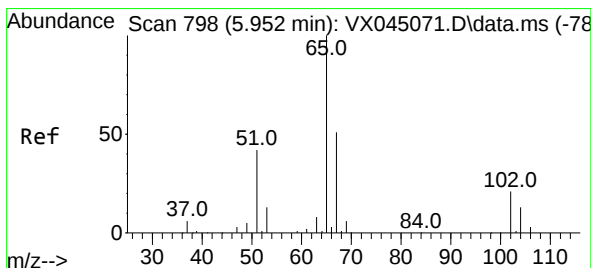
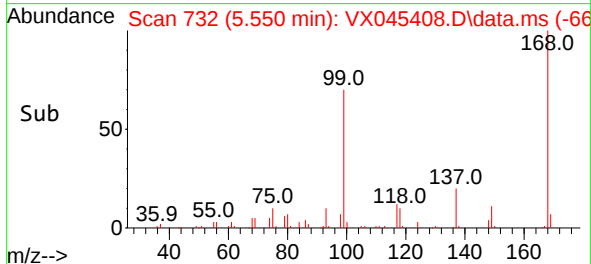
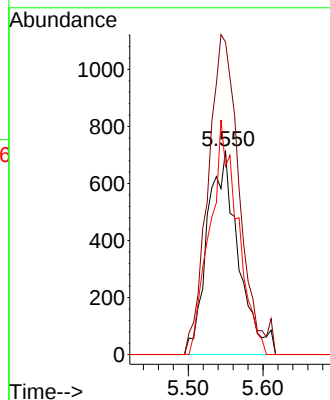
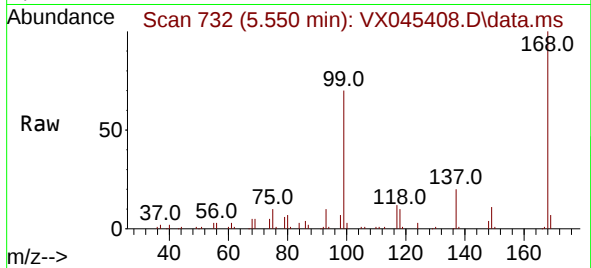




#31
Cyclohexane
Concen: 1.453 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

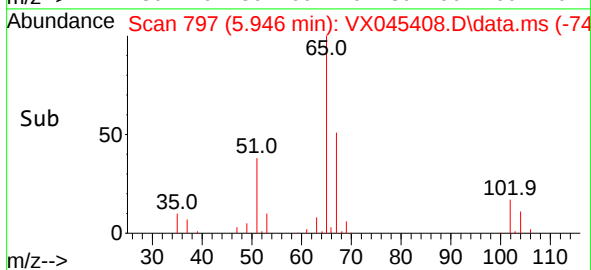
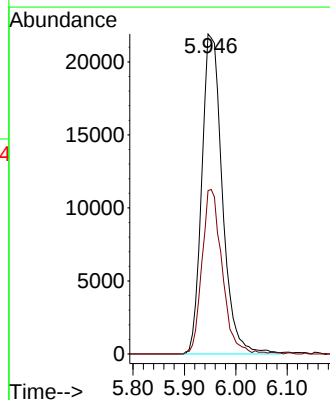
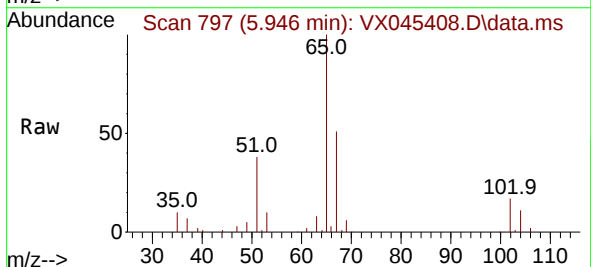
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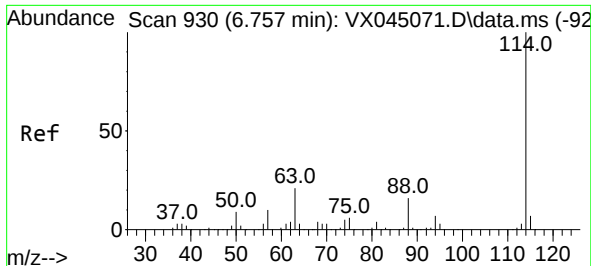
Tgt Ion: 56 Resp: 2061
Ion Ratio Lower Upper
56 100
69 153.4 23.4 35.2#
84 92.4 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 58.394 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion: 65 Resp: 60881
Ion Ratio Lower Upper
65 100
67 50.1 0.0 106.2

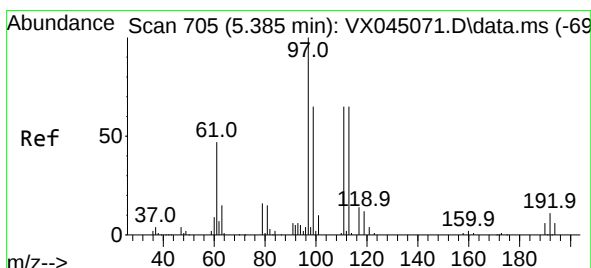
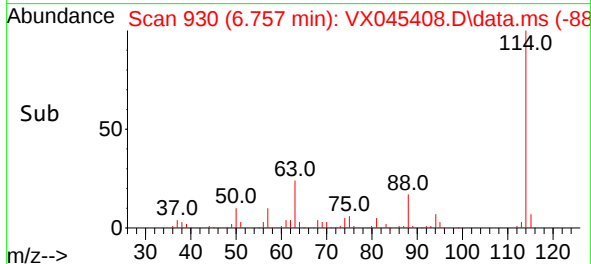
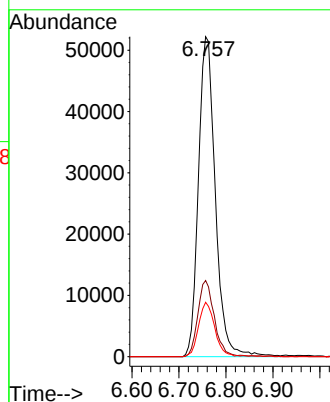
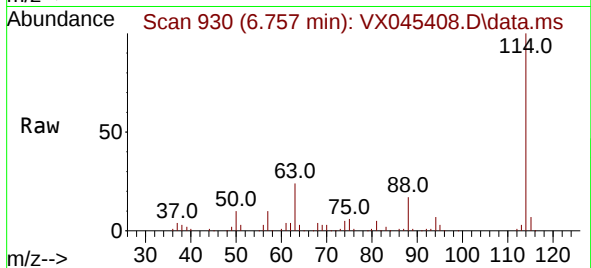




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

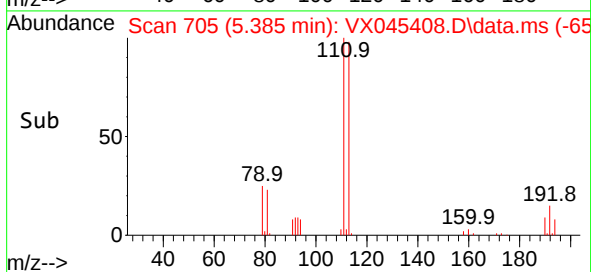
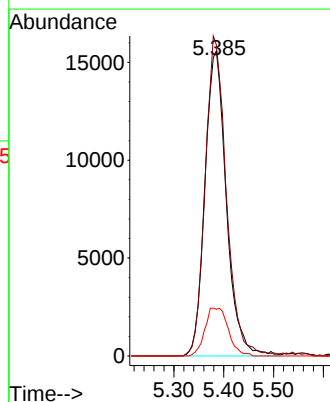
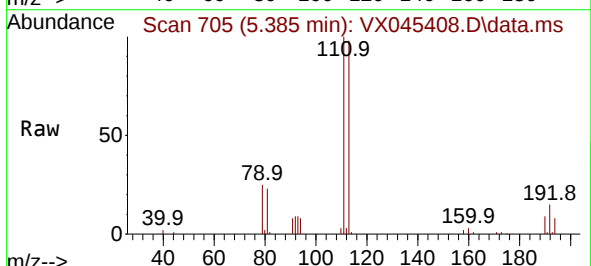
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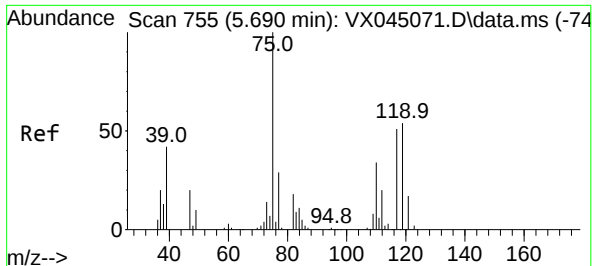
Tgt Ion:114 Resp: 130703
Ion Ratio Lower Upper
114 100
63 23.8 0.0 41.8
88 17.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.267 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion:113 Resp: 46554
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.6
192 17.1 14.3 21.5

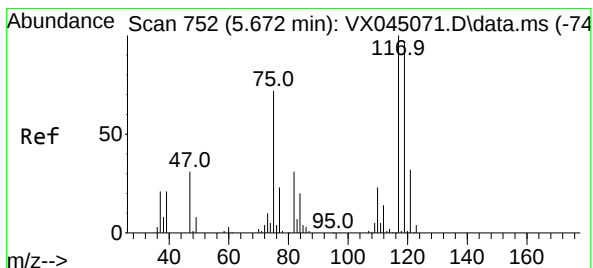
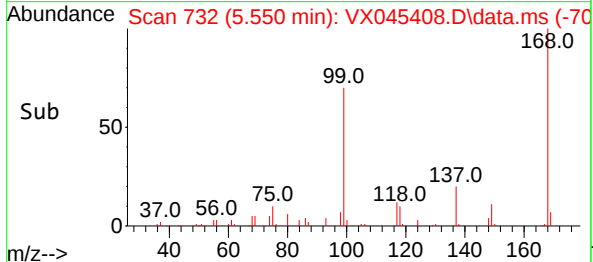
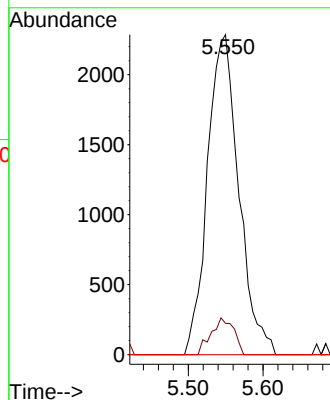
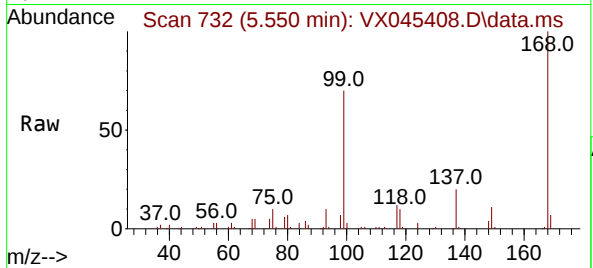




#36
1,1-Dichloropropene
Concen: 5.553 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

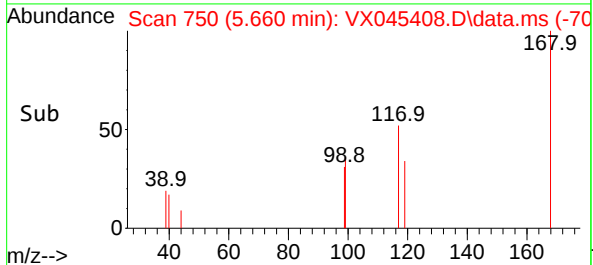
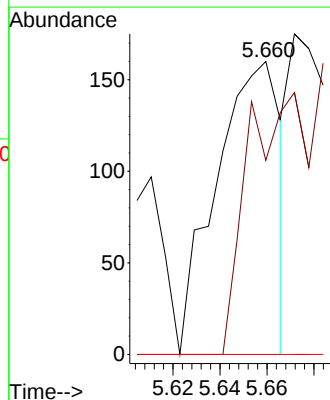
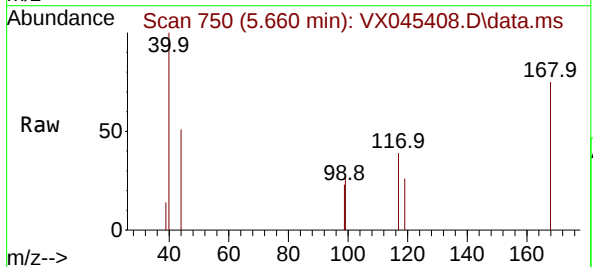
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

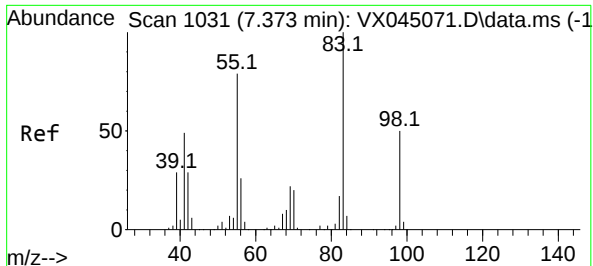
Tgt Ion: 75 Resp: 6656
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 0.250 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion: 117 Resp: 304
Ion Ratio Lower Upper
117 100
119 66.3 76.7 115.1#
121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 0.475 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.244 min

Lab File: VX045408.D

Acq: 24 Mar 2025 12:34

Instrument :

MSVOA_X

ClientSampleId :

RE139D1-20250317DL

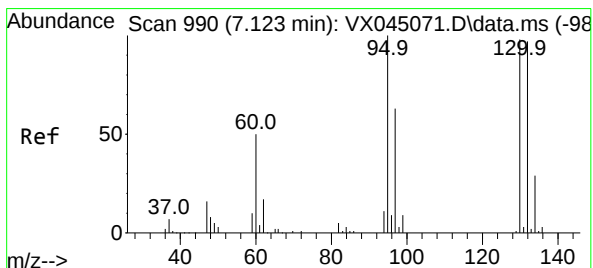
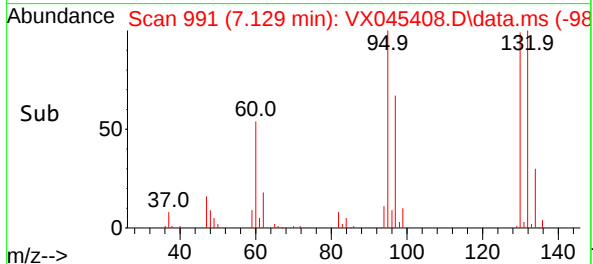
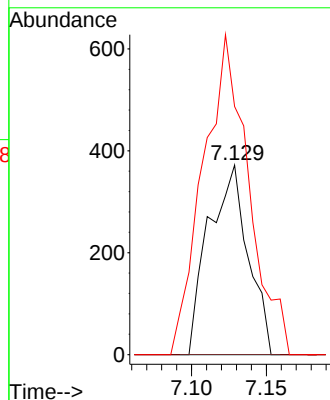
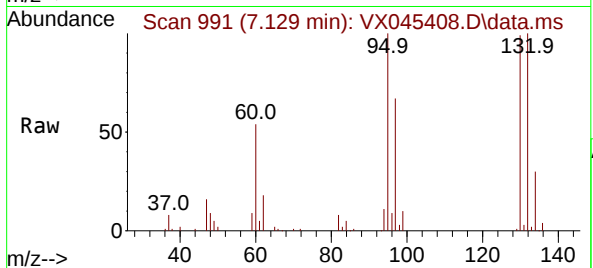
Tgt Ion: 83 Resp: 682

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 108.9 39.7 59.5#



#44

Trichloroethene

Concen: 52.463 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045408.D

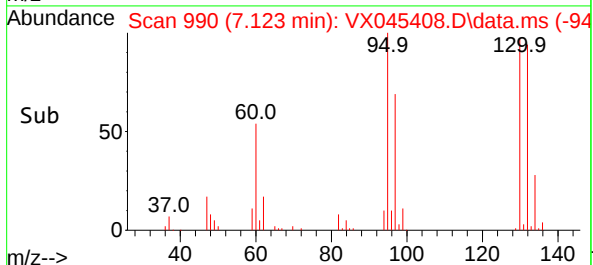
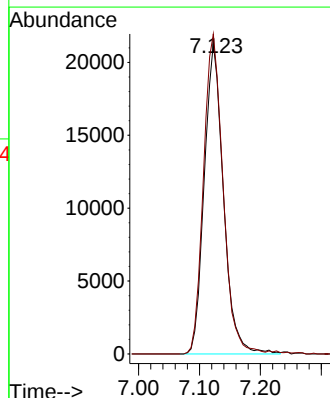
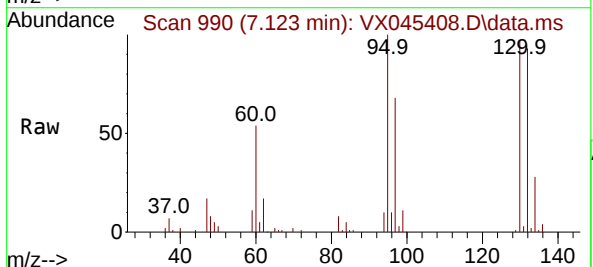
Acq: 24 Mar 2025 12:34

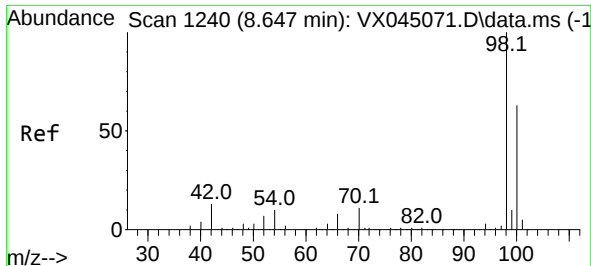
Tgt Ion:130 Resp: 46624

Ion Ratio Lower Upper

130 100

95 103.1 0.0 205.0

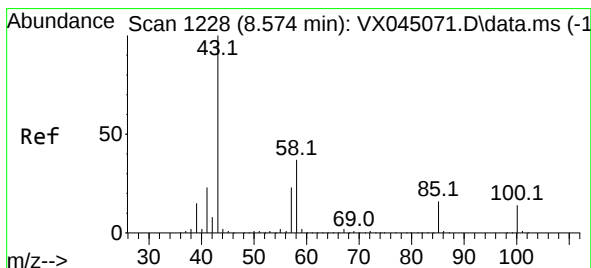
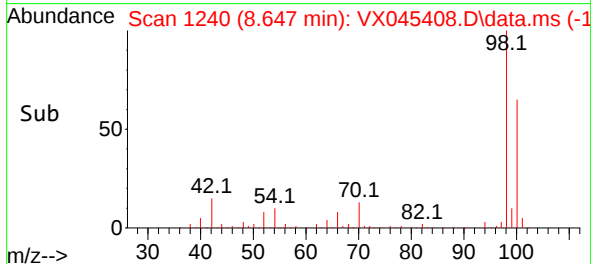
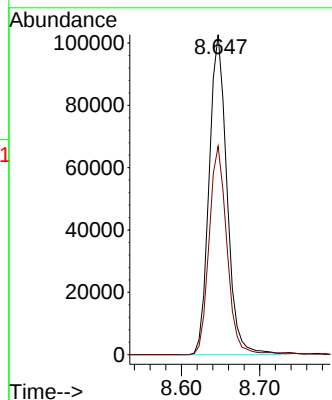
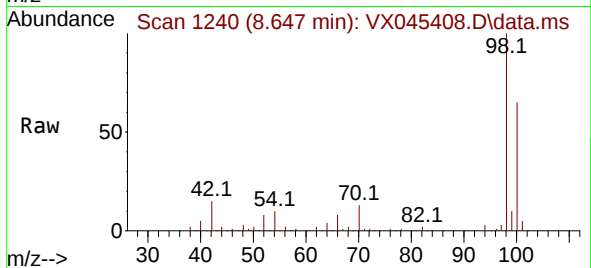




#50
Toluene-d8
Concen: 51.187 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

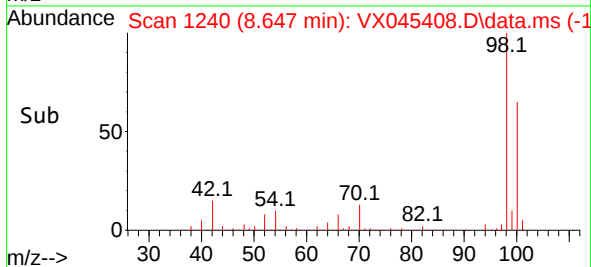
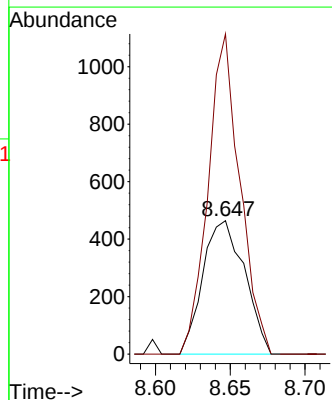
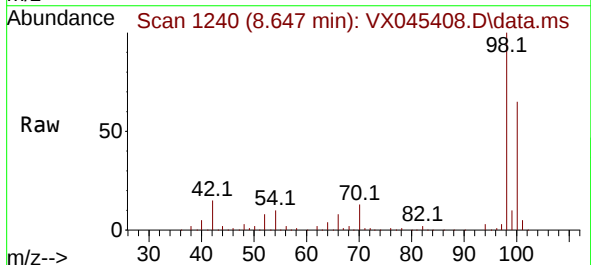
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

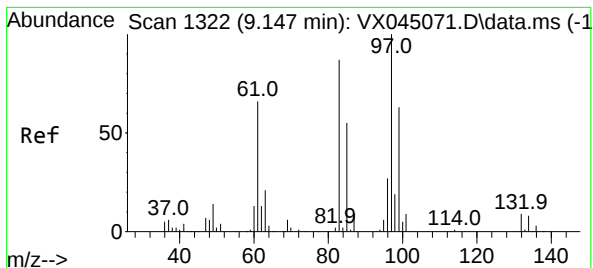
Tgt Ion: 98 Resp: 162185
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.588 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
58 183.7 29.2 43.8#





#55

1,1,2-Trichloroethane

Concen: 0.243 ug/l

RT: 9.159 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX045408.D

Acq: 24 Mar 2025 12:34

Instrument :

MSVOA_X

ClientSampleId :

RE139D1-20250317DL

Tgt Ion: 97 Resp: 222

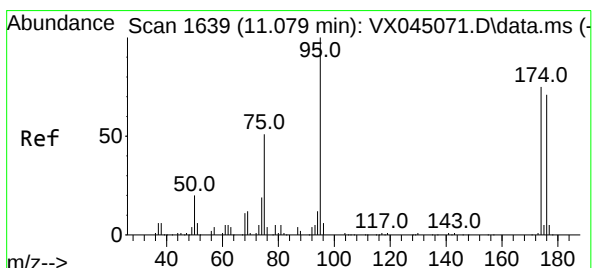
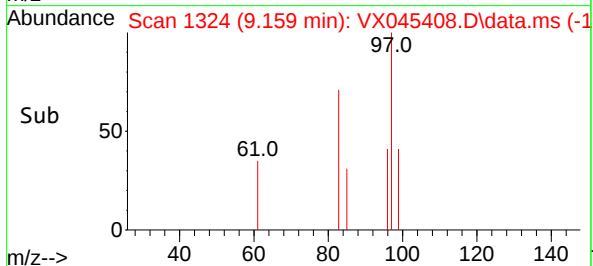
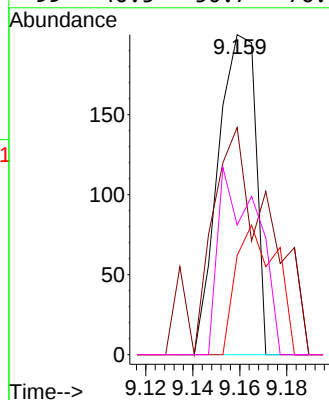
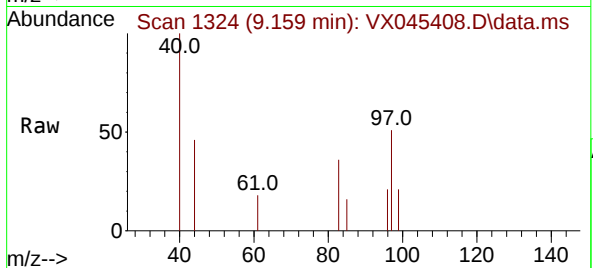
Ion Ratio Lower Upper

97 100

83 43.5 69.4 104.2#

85 31.0 44.1 66.1#

99 40.5 50.7 76.1#



#62

4-Bromofluorobenzene

Concen: 54.557 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045408.D

Acq: 24 Mar 2025 12:34

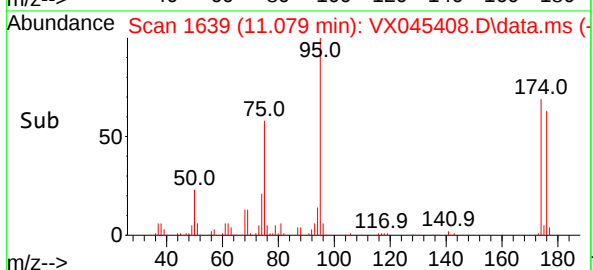
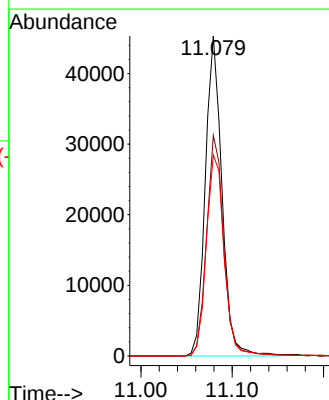
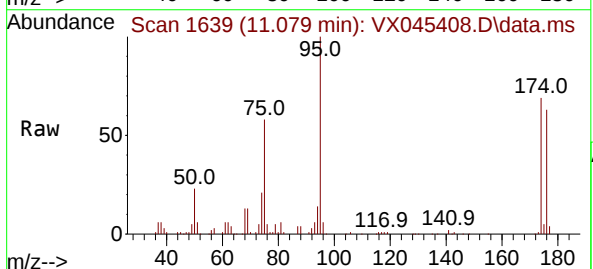
Tgt Ion: 95 Resp: 57281

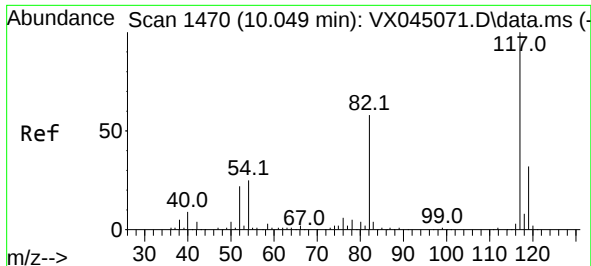
Ion Ratio Lower Upper

95 100

174 71.4 0.0 148.2

176 67.1 0.0 141.4

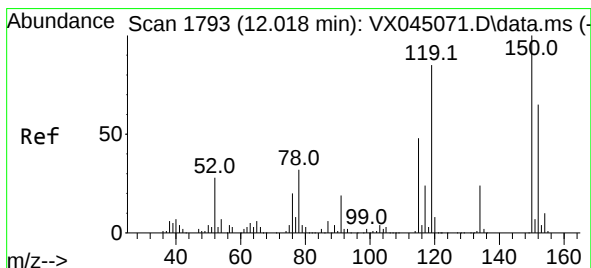
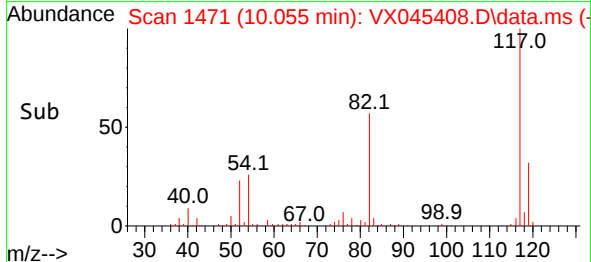
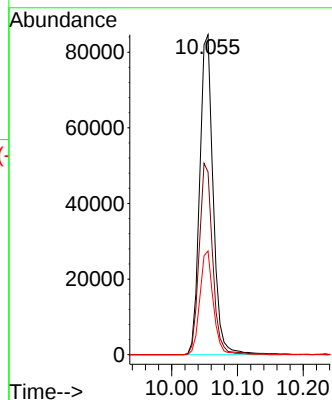
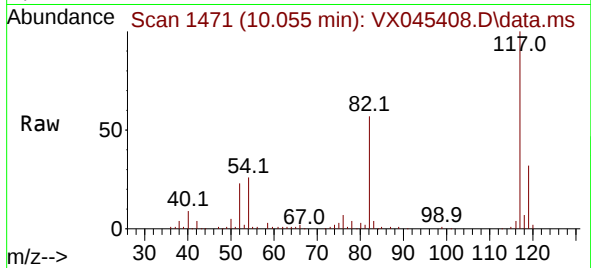




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

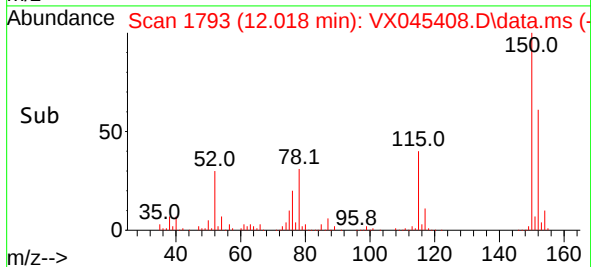
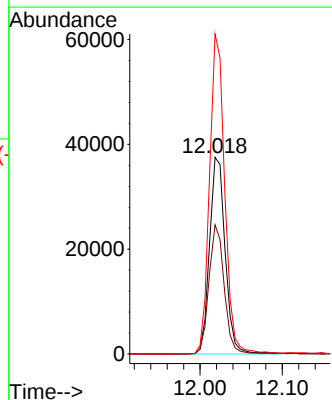
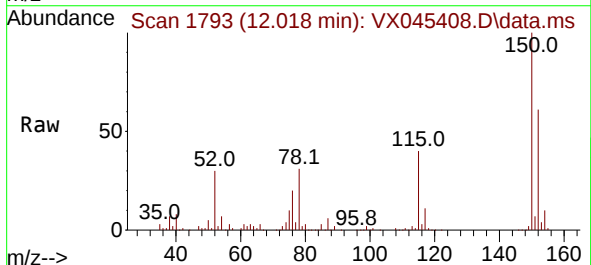
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

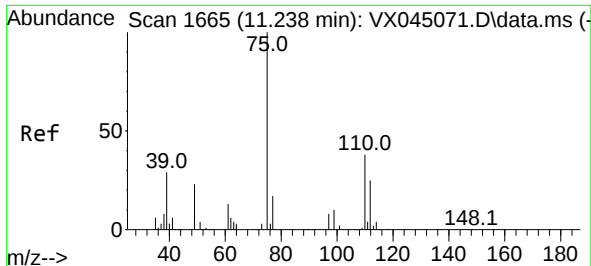
Tgt Ion:117 Resp: 120320
Ion Ratio Lower Upper
117 100
82 57.1 46.3 69.5
119 32.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion:152 Resp: 49744
Ion Ratio Lower Upper
152 100
115 64.0 44.2 132.6
150 157.5 0.0 349.0

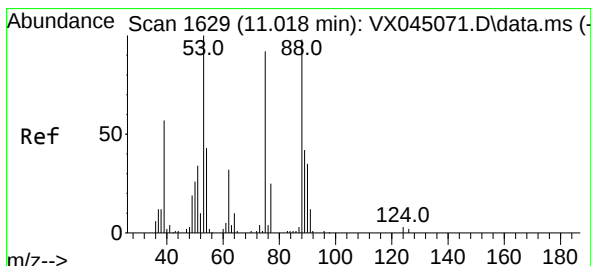
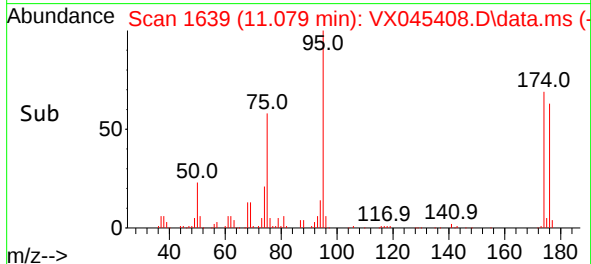
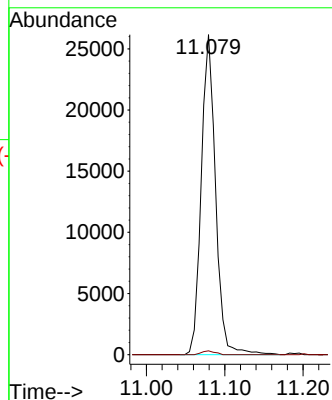
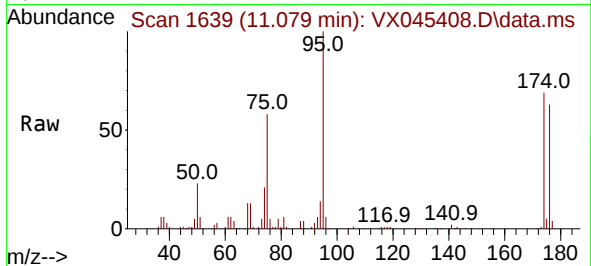




#76
1,2,3-Trichloropropane
Concen: 28.699 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

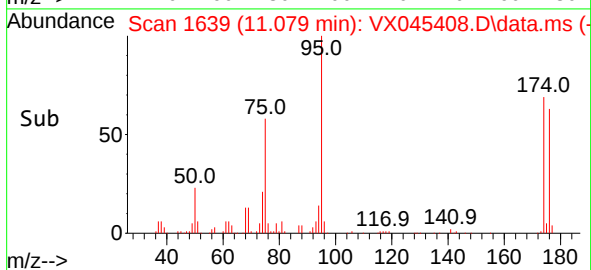
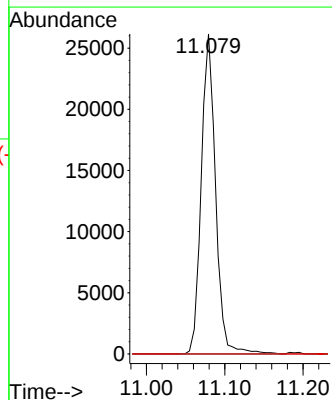
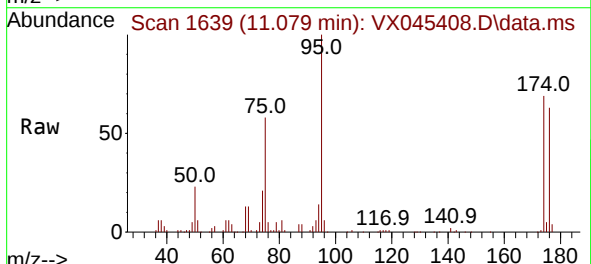
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

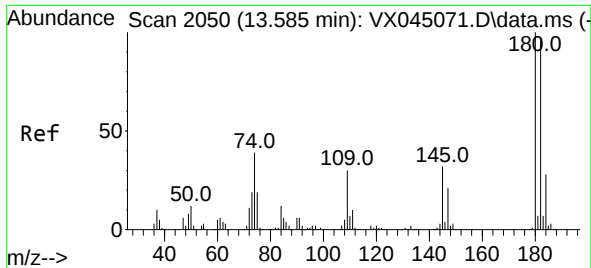
Tgt Ion: 75 Resp: 33228
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.214 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion: 75 Resp: 33228
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

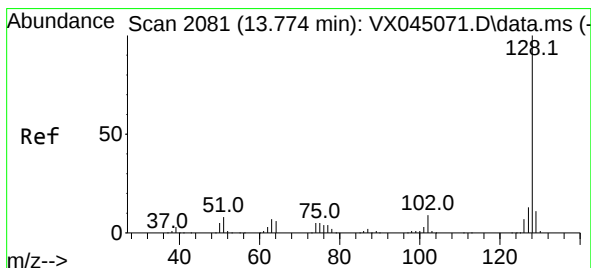
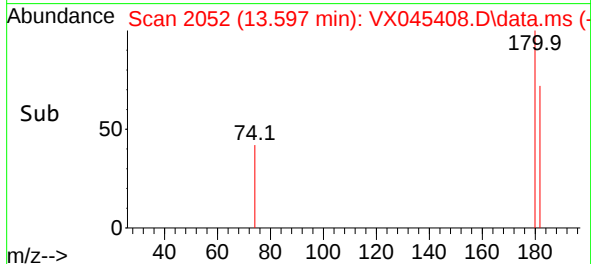
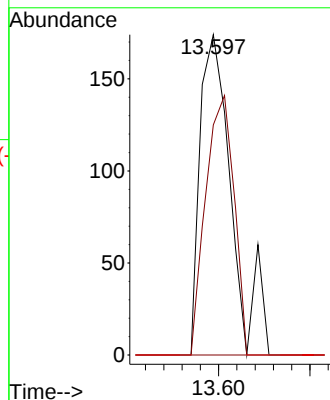
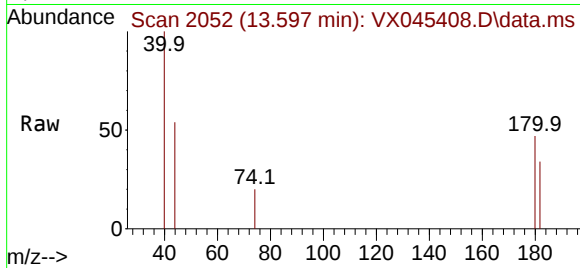




#93
1,2,4-Trichlorobenzene
Concen: 0.224 ug/l
RT: 13.597 min Scan# 2050
Delta R.T. 0.012 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

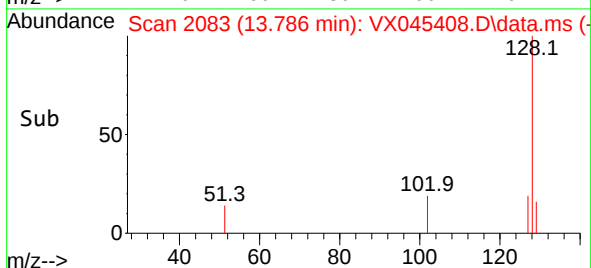
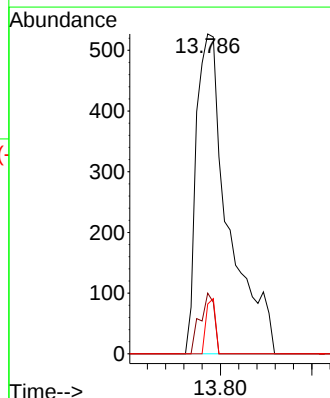
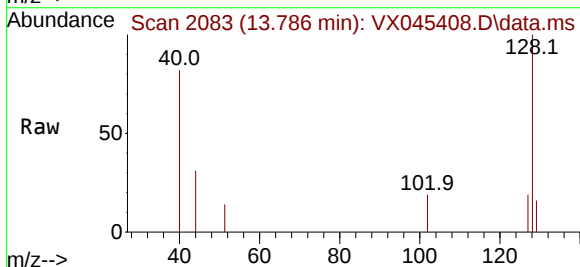
Instrument :
MSVOA_X
ClientSampleId :
RE139D1-20250317DL

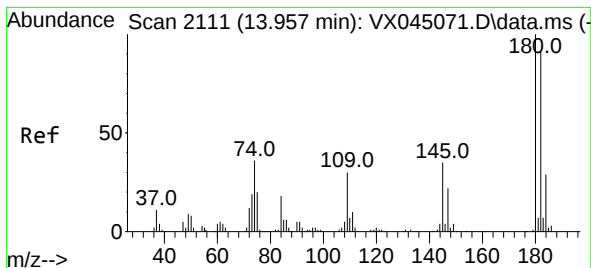
Tgt Ion:180 Resp: 209
Ion Ratio Lower Upper
180 100
182 72.7 47.3 141.9
145 0.0 16.3 48.9#



#95
Naphthalene
Concen: 0.357 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX045408.D
Acq: 24 Mar 2025 12:34

Tgt Ion:128 Resp: 1280
Ion Ratio Lower Upper
128 100
127 8.5 10.3 15.5#
129 4.9 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.250 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045408.D

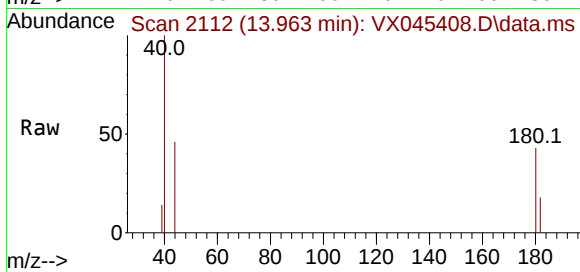
Acq: 24 Mar 2025 12:34

Instrument :

MSVOA_X

ClientSampleId :

RE139D1-20250317DL



Tgt Ion:180 Resp: 246

Ion Ratio Lower Upper

180 100

182 59.3 47.5 142.6

145 8.1 17.0 50.9#

