

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
 Data File : VX045239.D
 Acq On : 12 Mar 2025 11:26
 Operator : JC/MD
 Sample : VX0312MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312MBL01

Quant Time: Mar 13 01:37:15 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)

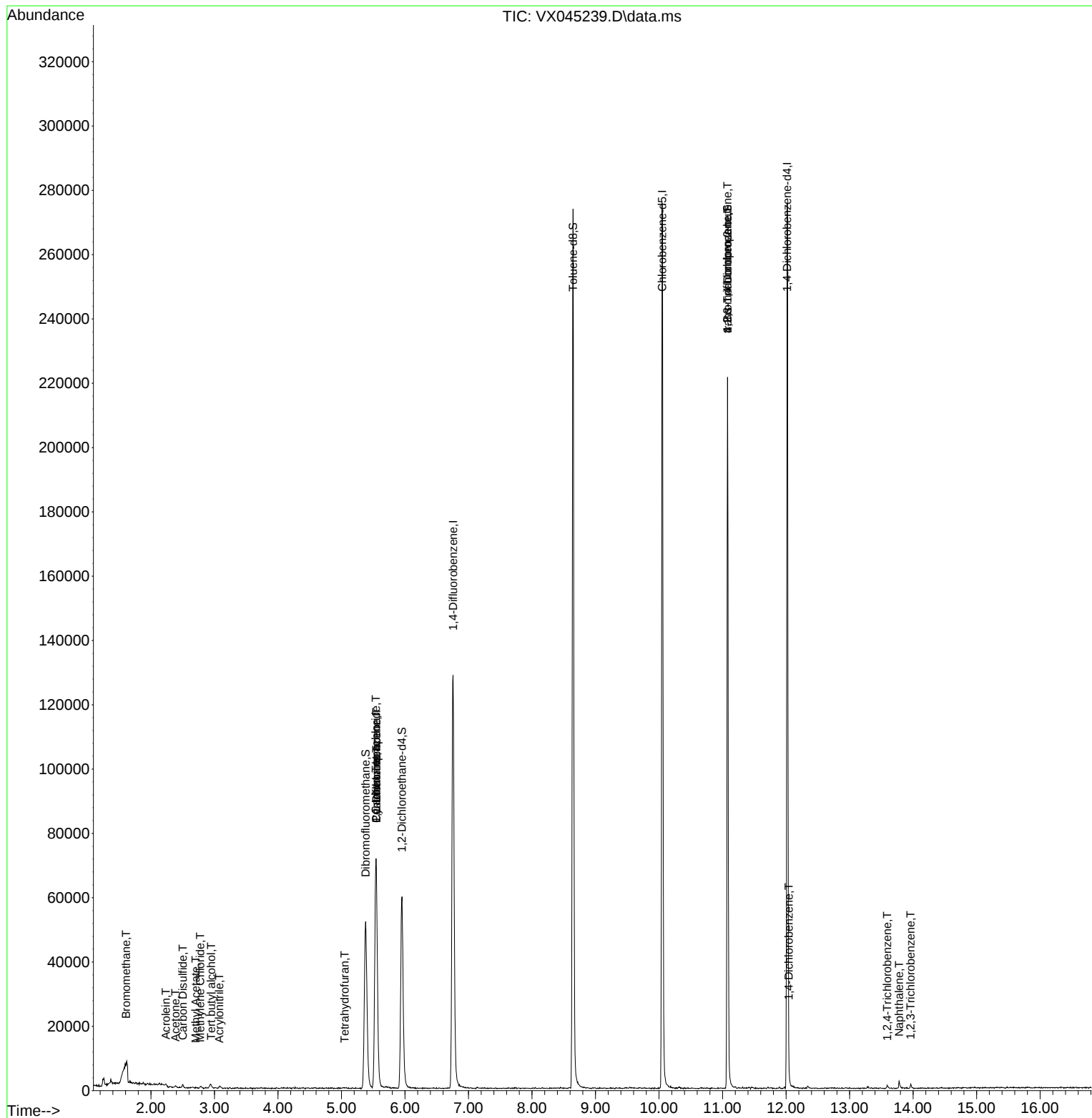
Internal Standards						
1) Pentafluorobenzene	5.550	168	65172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130454	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57140	55.120	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.240%	
35) Dibromofluoromethane	5.379	113	45678	52.364	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.720%	
50) Toluene-d8	8.647	98	162004	51.228	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.460%	
62) 4-Bromofluorobenzene	11.079	95	56632	54.041	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.080%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	177	0.452	ug/l #	3
11) Tert butyl alcohol	2.947	59	799	4.069	ug/l #	73
13) Acrolein	2.233	56	181	0.797	ug/l #	70
15) Acrylonitrile	3.075	53	249	0.473	ug/l #	82
16) Acetone	2.386	43	602	1.252	ug/l	93
17) Carbon Disulfide	2.502	76	1214	0.569	ug/l #	91
18) Methyl Acetate	2.703	43	269	0.232	ug/l #	54
20) Methylene Chloride	2.776	84	200	0.210	ug/l #	79
29) Tetrahydrofuran	5.050	42	258	0.531	ug/l #	34
31) Cyclohexane	5.550	56	1889	1.339	ug/l #	38
36) 1,1-Dichloropropene	5.550	75	5824	4.868	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7230	5.953	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	31428	26.182	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31428	89.598	ug/l #	6
88) 1,4-Dichlorobenzene	12.043	146	387	0.226	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	406	0.420	ug/l	86
95) Naphthalene	13.780	128	2032	0.546	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.963	180	563	0.551	ug/l	68

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

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Quant Time: Mar 13 01:37:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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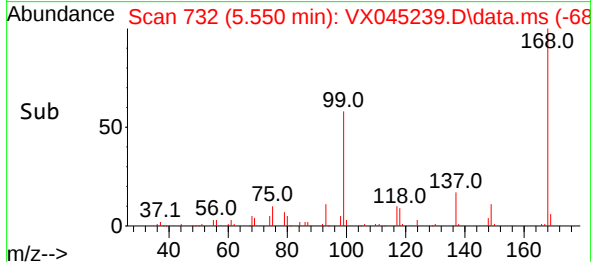
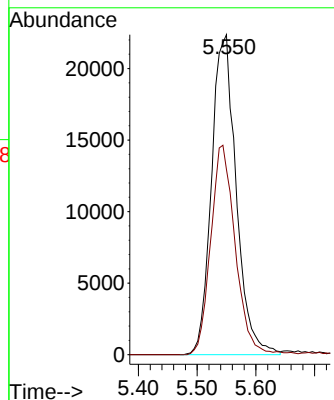
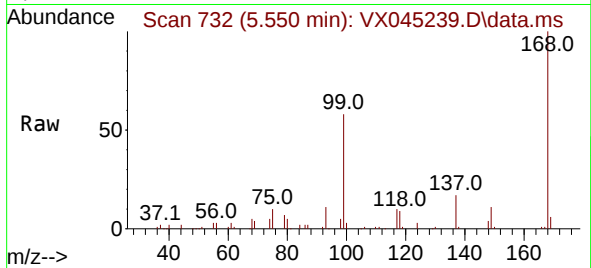




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

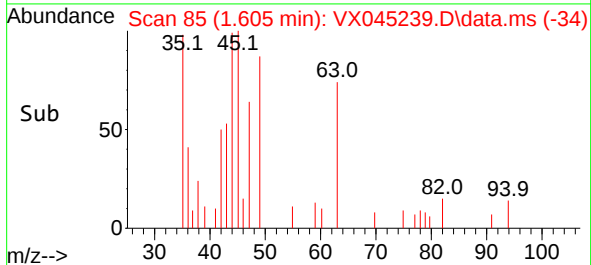
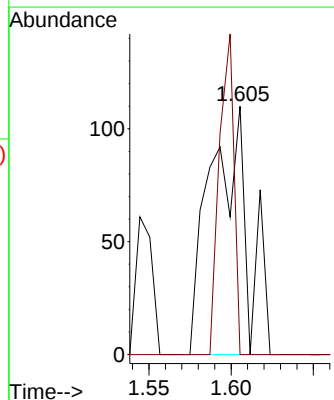
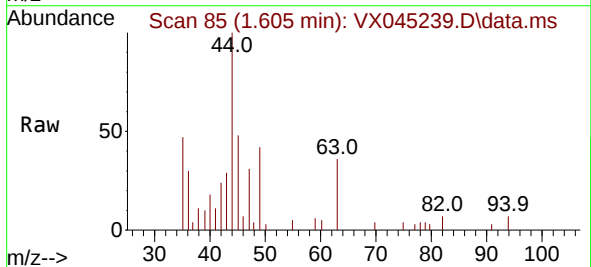
Instrument :
MSVOA_X
ClientSampleId :
VX0312MBL01

Tgt Ion:168 Resp: 65172
Ion Ratio Lower Upper
168 100
99 57.9 48.2 72.4



#5
Bromomethane
Concen: 0.452 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

Tgt Ion: 94 Resp: 177
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#





#11

Tert butyl alcohol

Concen: 4.069 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.037 min

Lab File: VX045239.D

Acq: 12 Mar 2025 11:26

Instrument :

MSVOA_X

ClientSampleId :

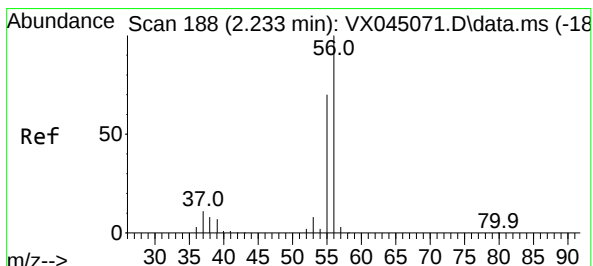
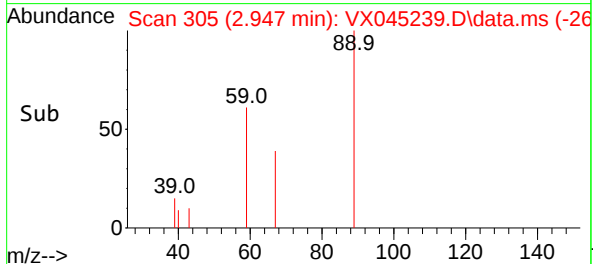
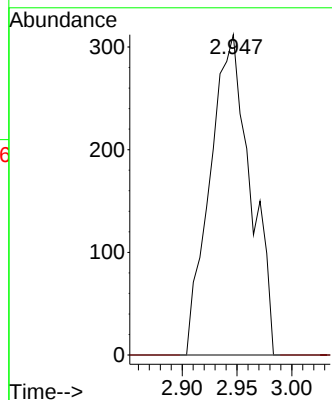
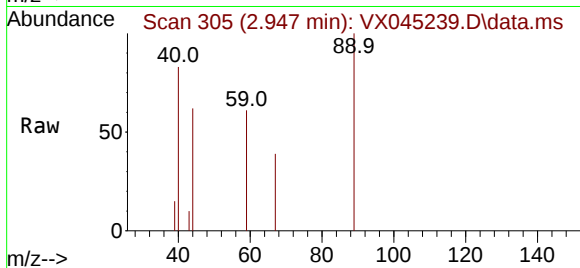
VX0312MBL01

Tgt Ion: 59 Resp: 799

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#13

Acrolein

Concen: 0.797 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX045239.D

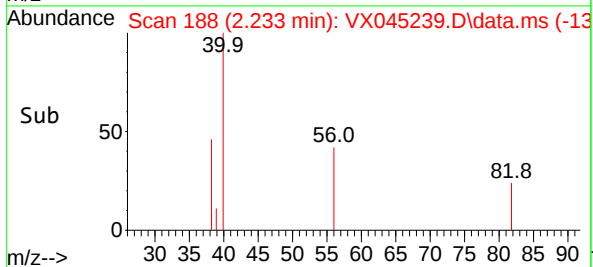
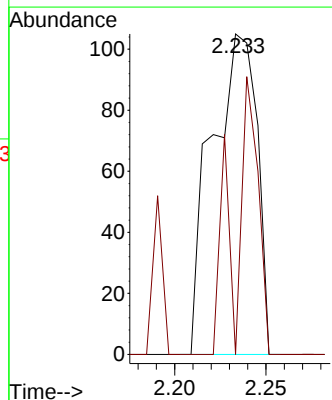
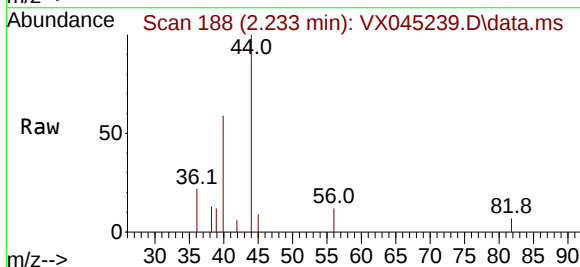
Acq: 12 Mar 2025 11:26

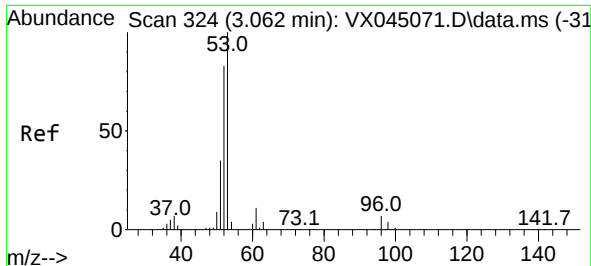
Tgt Ion: 56 Resp: 181

Ion Ratio Lower Upper

56 100

55 45.3 56.2 84.4#

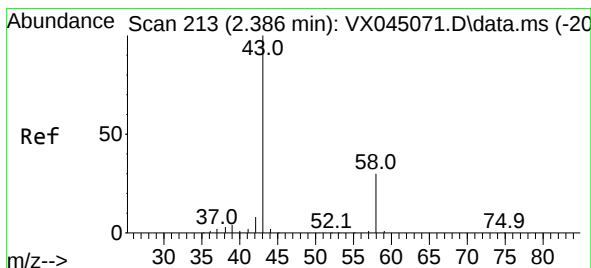
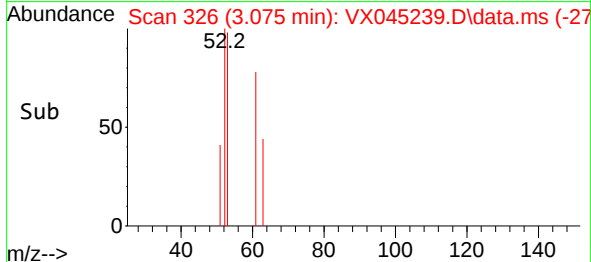
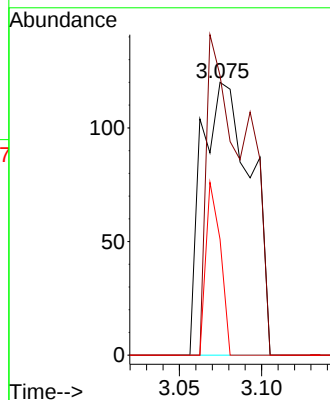
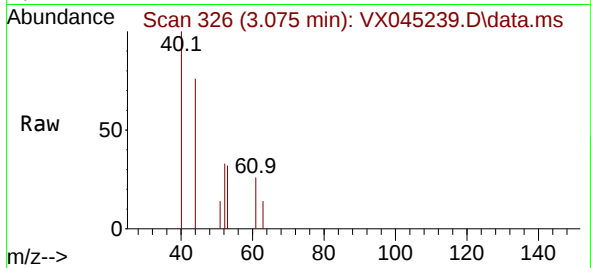




#15
Acrylonitrile
Concen: 0.473 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

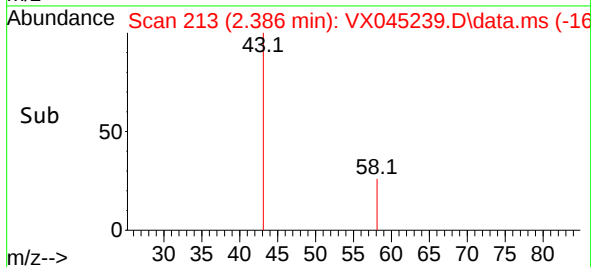
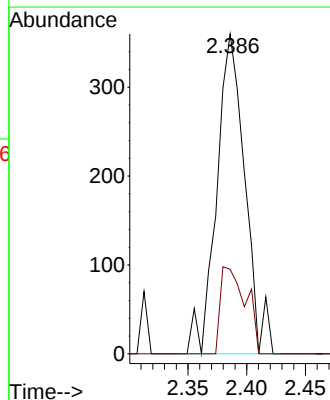
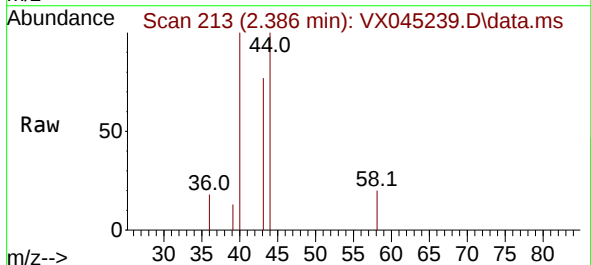
Instrument :
MSVOA_X
ClientSampleId :
VX0312MBL01

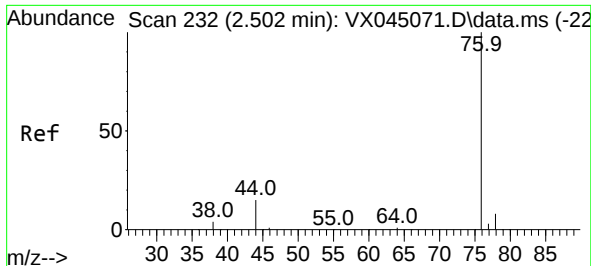
Tgt Ion: 53	Resp:	249
Ion Ratio	Lower	Upper
53	100	
52	93.6	66.2 99.2
51	18.5	29.0 43.4



#16
Acetone
Concen: 1.252 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

Tgt Ion: 43	Resp:	602
Ion Ratio	Lower	Upper
43	100	
58	26.4	24.2 36.4

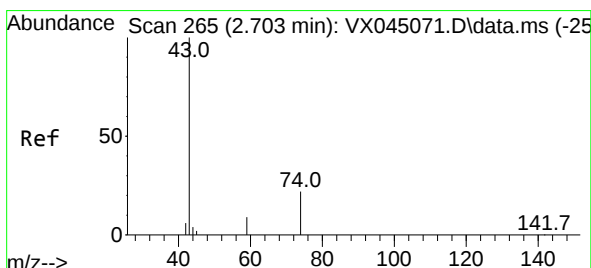
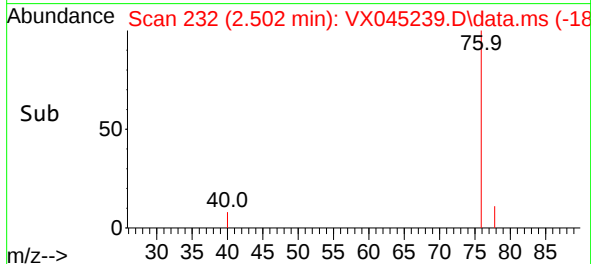
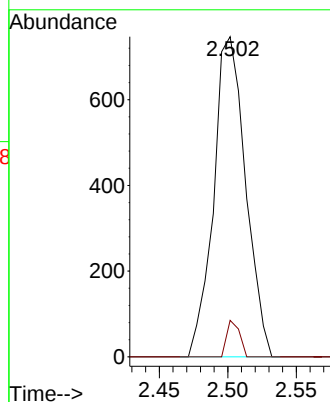
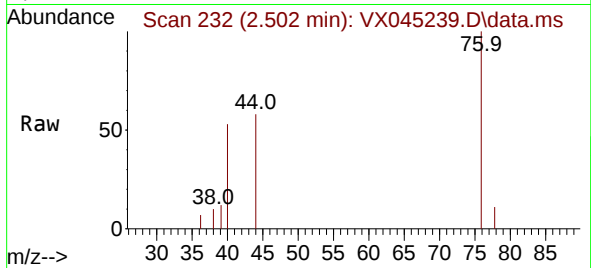




#17
Carbon Disulfide
Concen: 0.569 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

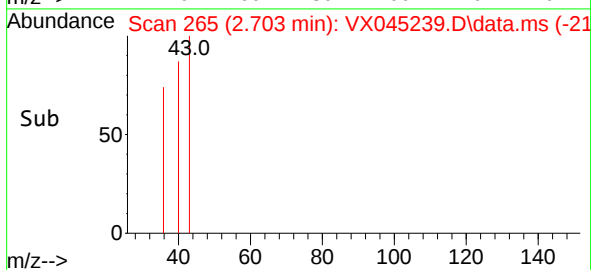
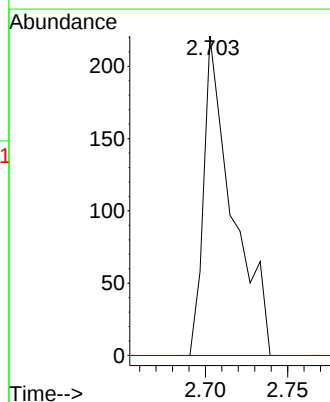
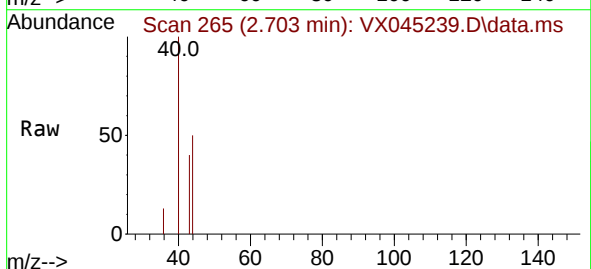
Instrument :
MSVOA_X
ClientSampleId :
VX0312MBL01

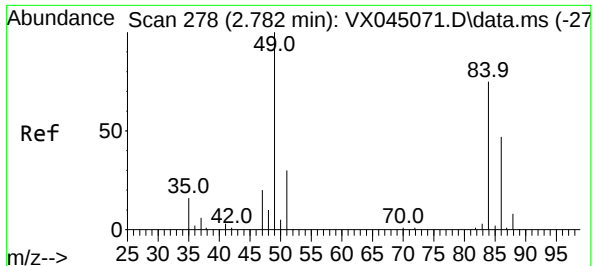
Tgt Ion: 76 Resp: 1214
Ion Ratio Lower Upper
76 100
78 11.4 6.6 9.8#



#18
Methyl Acetate
Concen: 0.232 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

Tgt Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#





#20

Methylene Chloride

Concen: 0.210 ug/l

RT: 2.776 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX045239.D

Acq: 12 Mar 2025 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBL01

Tgt Ion: 84 Resp: 200

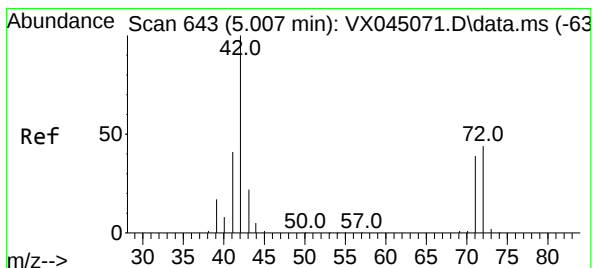
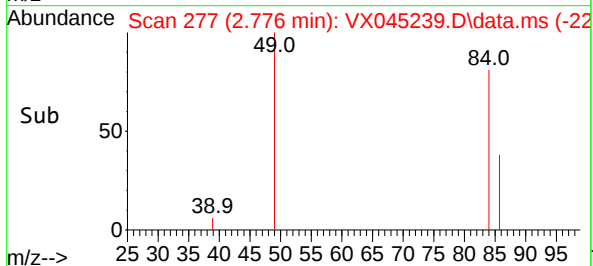
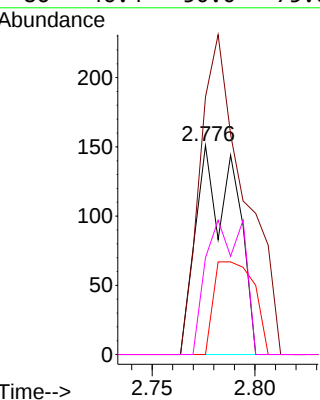
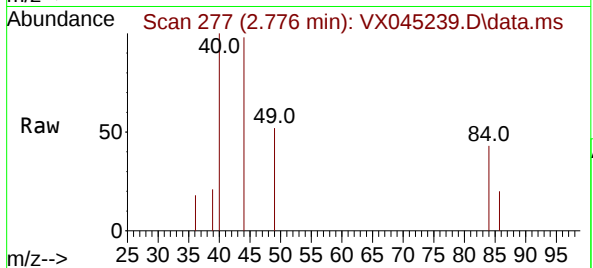
Ion Ratio Lower Upper

84 100

49 123.2 106.5 159.7

51 0.0 32.1 48.1#

86 46.4 50.0 75.0#



#29

Tetrahydrofuran

Concen: 0.531 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.043 min

Lab File: VX045239.D

Acq: 12 Mar 2025 11:26

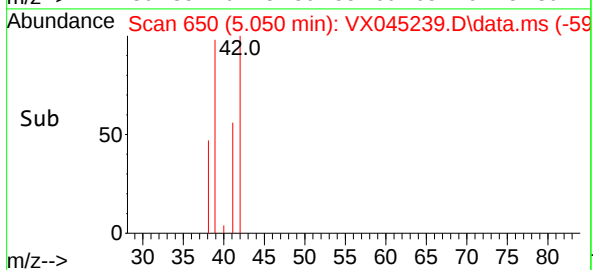
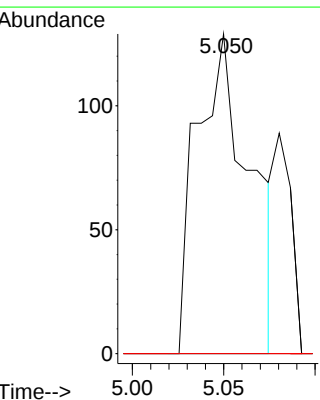
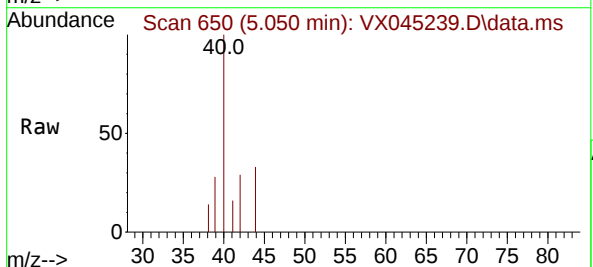
Tgt Ion: 42 Resp: 258

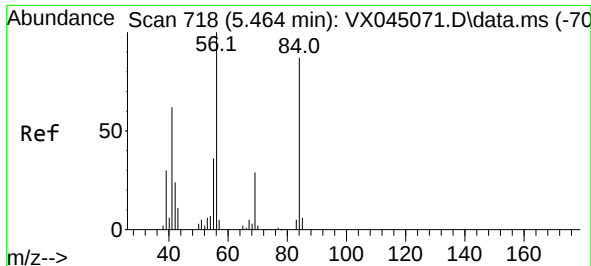
Ion Ratio Lower Upper

42 100

72 0.0 34.1 51.1#

71 0.0 31.4 47.0#

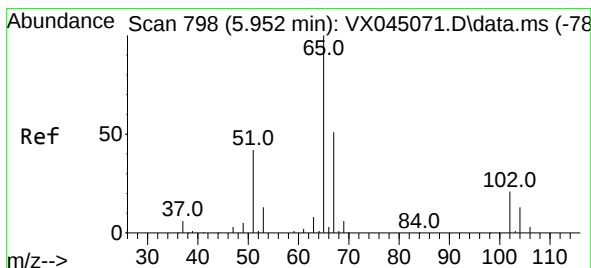
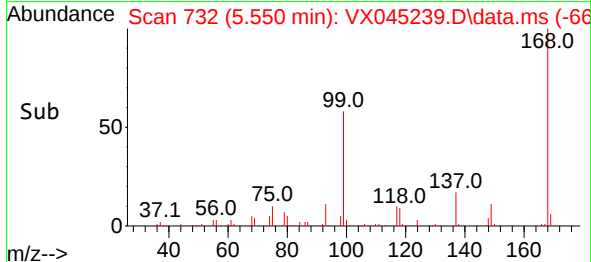
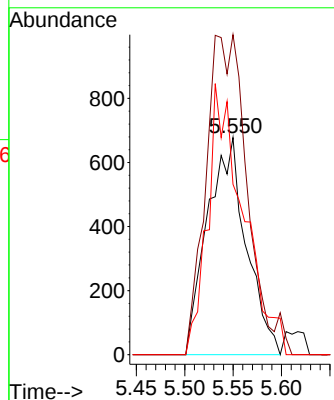
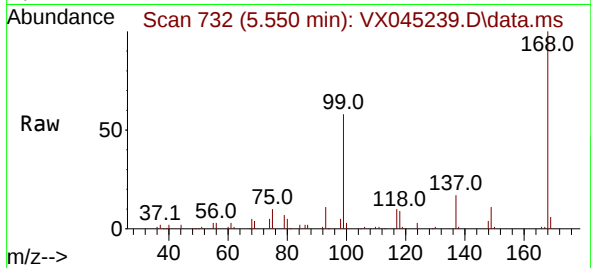




#31
Cyclohexane
Concen: 1.339 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

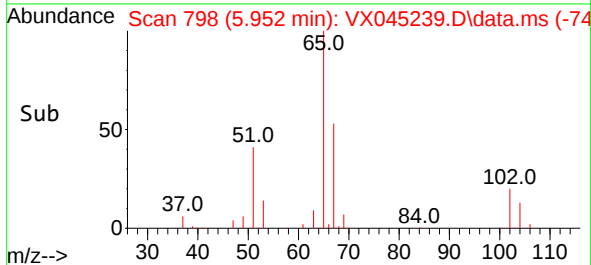
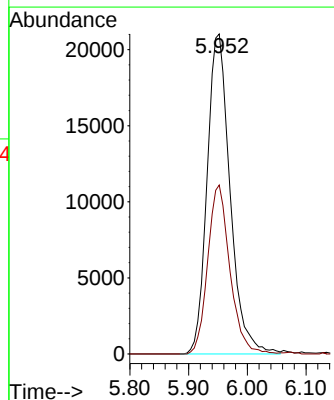
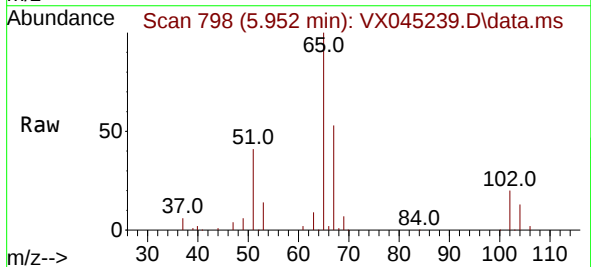
Instrument :
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ClientSampleId :
VX0312MBL01

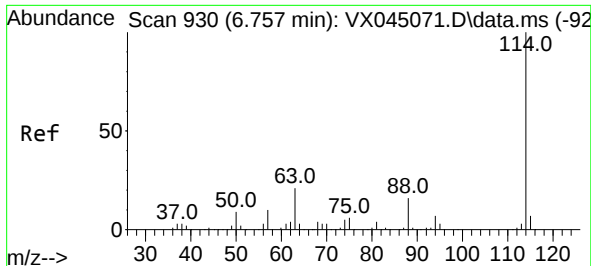
Tgt Ion: 56 Resp: 1889
Ion Ratio Lower Upper
56 100
69 147.3 23.4 35.2#
84 78.5 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 55.120 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

Tgt Ion: 65 Resp: 57140
Ion Ratio Lower Upper
65 100
67 51.0 0.0 106.2

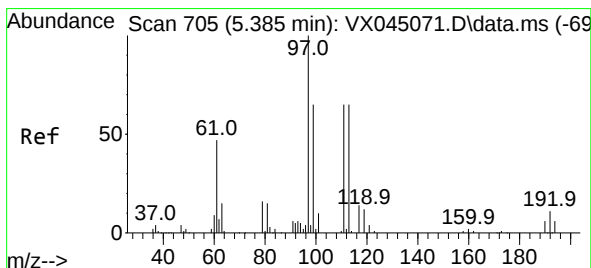
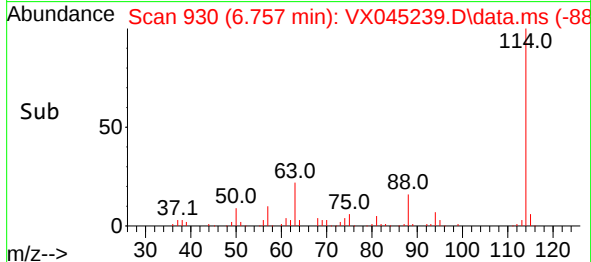
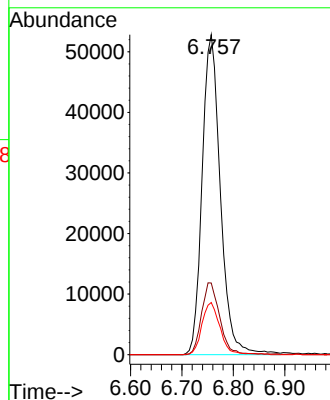
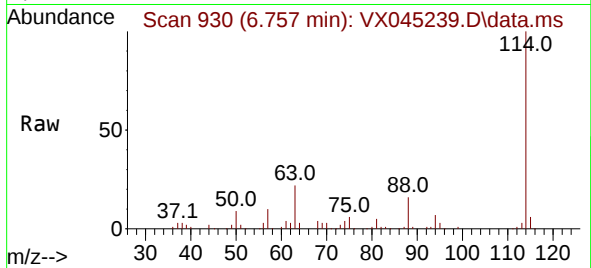




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

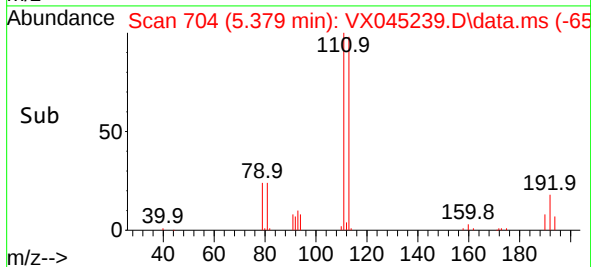
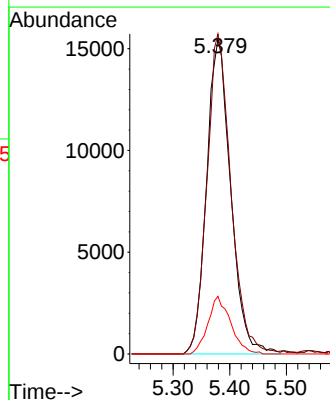
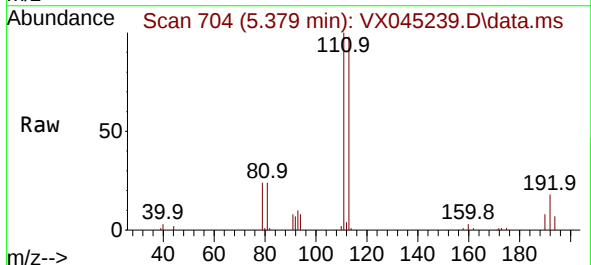
Instrument :
MSVOA_X
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VX0312MBL01

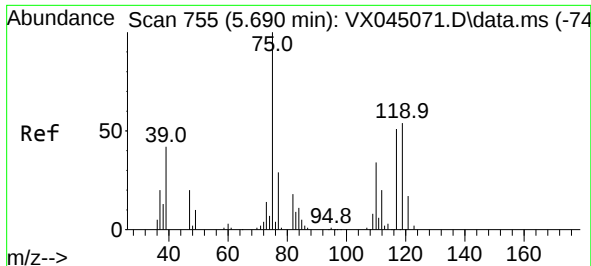
Tgt Ion:114 Resp: 130454
Ion Ratio Lower Upper
114 100
63 22.4 0.0 41.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.364 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

Tgt Ion:113 Resp: 45678
Ion Ratio Lower Upper
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111 101.7 81.8 122.6
192 17.2 14.3 21.5

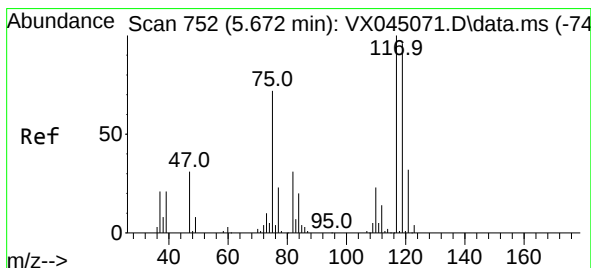
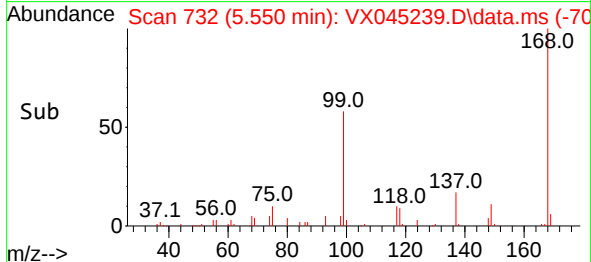
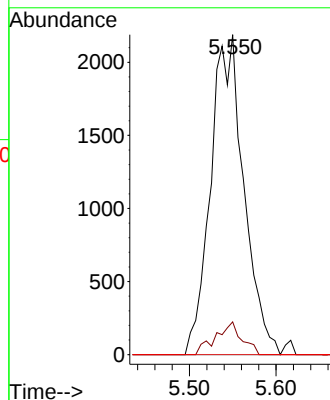
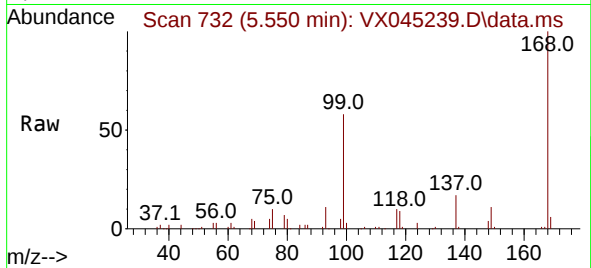




#36
1,1-Dichloropropene
Concen: 4.868 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

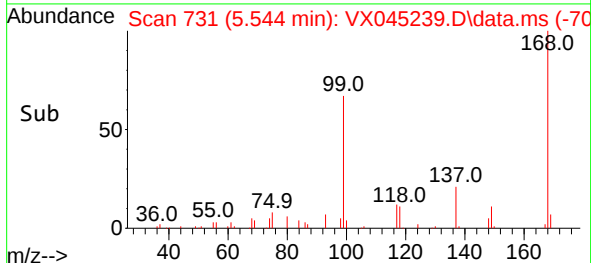
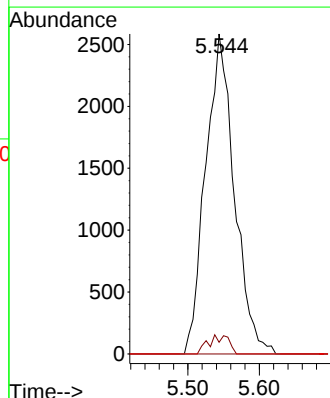
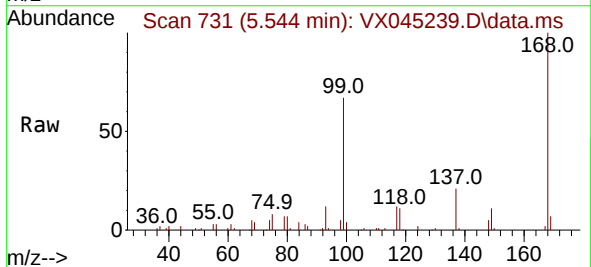
Instrument :
MSVOA_X
ClientSampleId :
VX0312MBL01

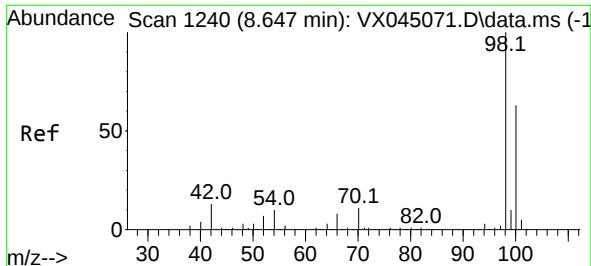
Tgt Ion: 75 Resp: 5824
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.953 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

Tgt Ion: 117 Resp: 7230
Ion Ratio Lower Upper
117 100
119 3.6 76.7 115.1#
121 0.0 25.5 38.3#

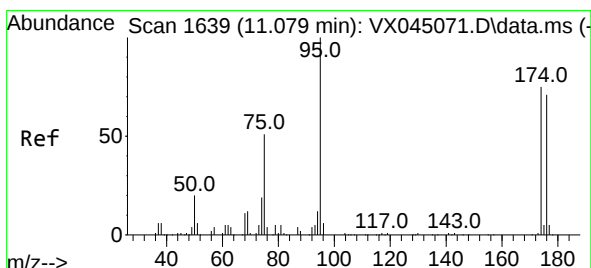
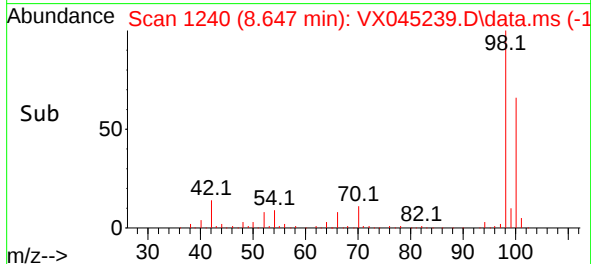
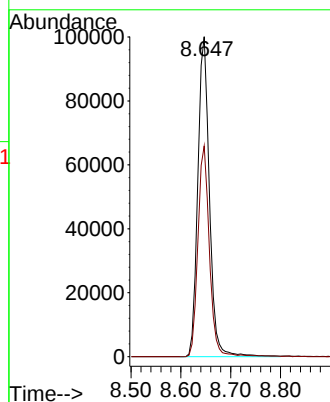
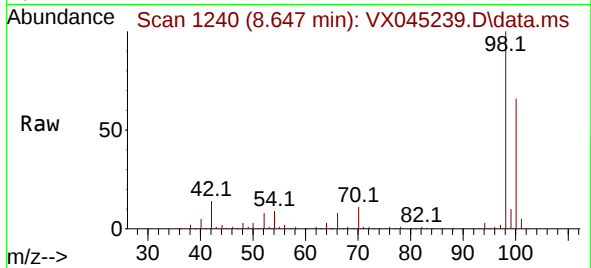




#50
Toluene-d8
Concen: 51.228 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

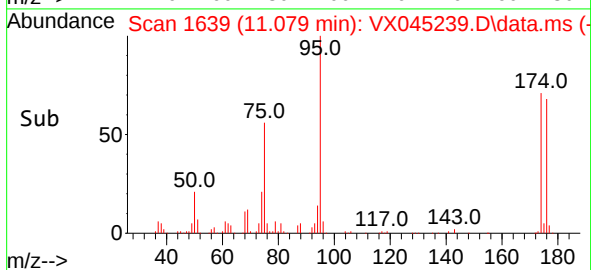
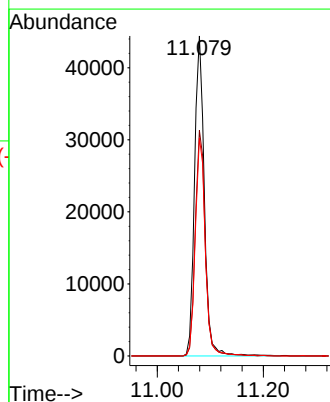
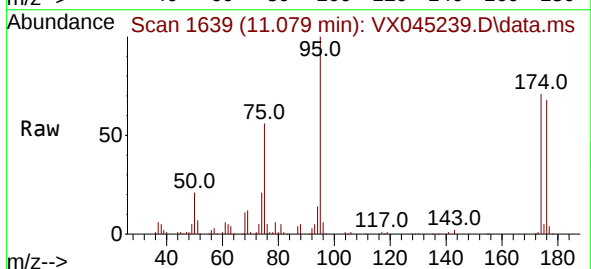
Instrument :
MSVOA_X
ClientSampleId :
VX0312MBL01

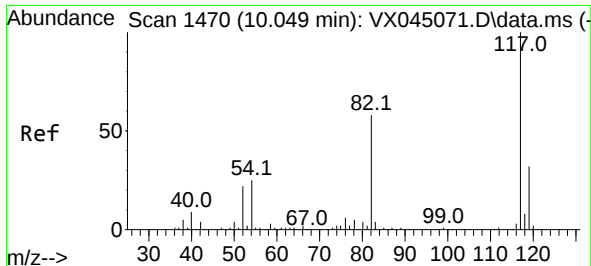
Tgt Ion: 98 Resp: 162004
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 54.041 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

Tgt Ion: 95 Resp: 56632
Ion Ratio Lower Upper
95 100
174 71.9 0.0 148.2
176 69.8 0.0 141.4

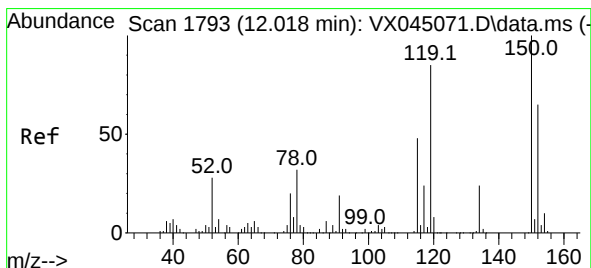
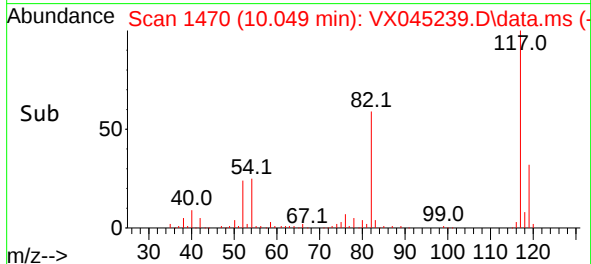
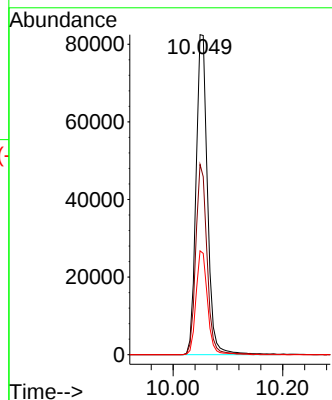
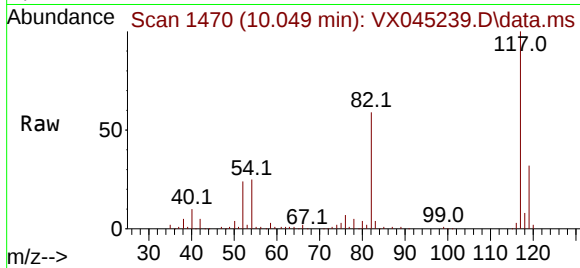




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

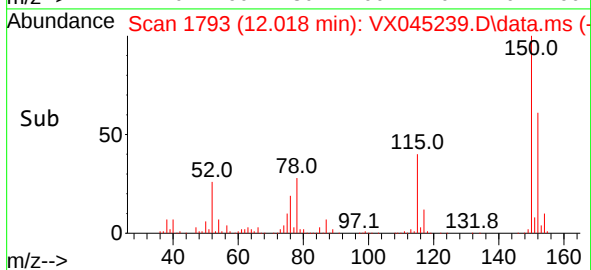
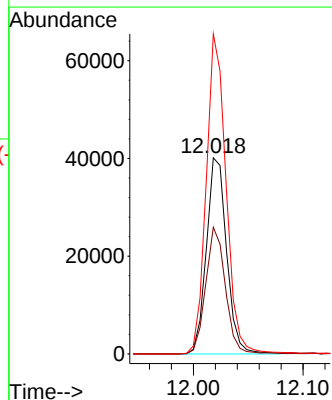
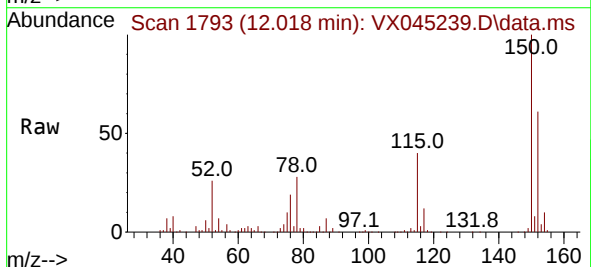
Instrument :
MSVOA_X
ClientSampleId :
VX0312MBL01

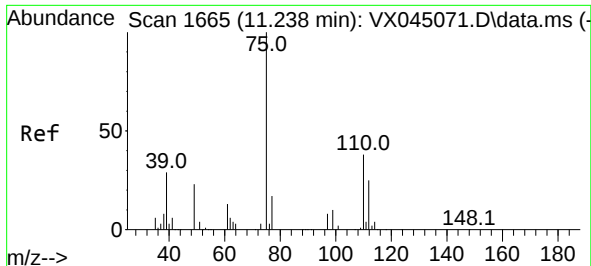
Tgt Ion:117 Resp: 120435
Ion Ratio Lower Upper
117 100
82 59.5 46.3 69.5
119 32.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

Tgt Ion:152 Resp: 51574
Ion Ratio Lower Upper
152 100
115 63.0 44.2 132.6
150 160.2 0.0 349.0

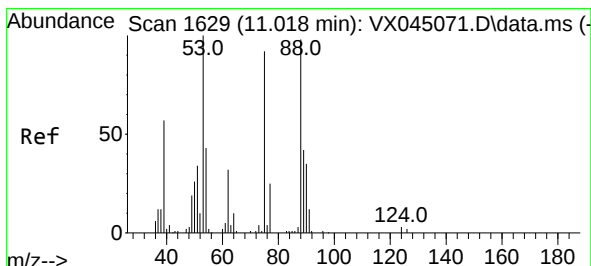
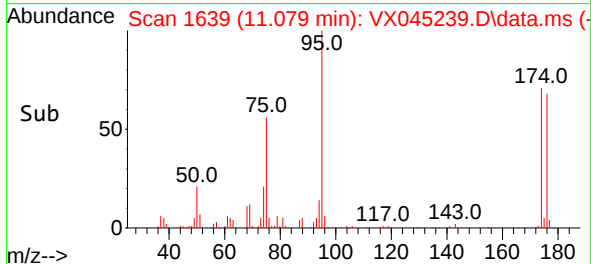
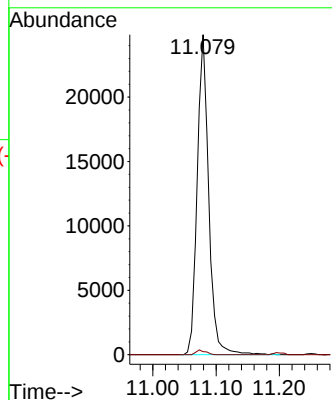
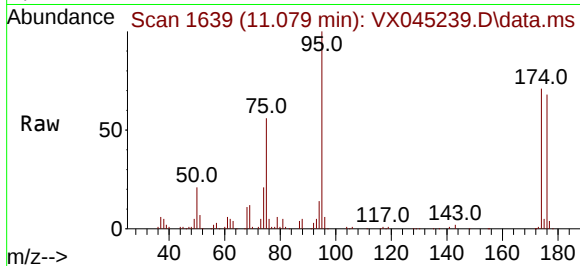




#76
1,2,3-Trichloropropane
Concen: 26.182 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

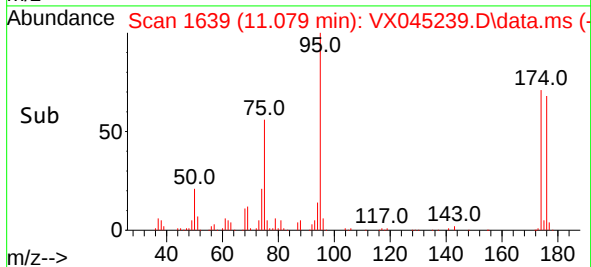
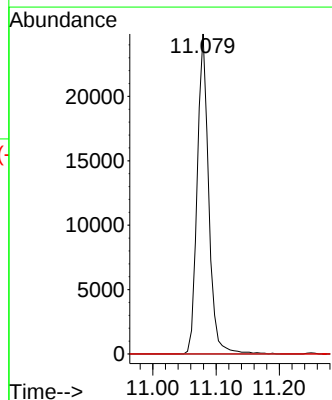
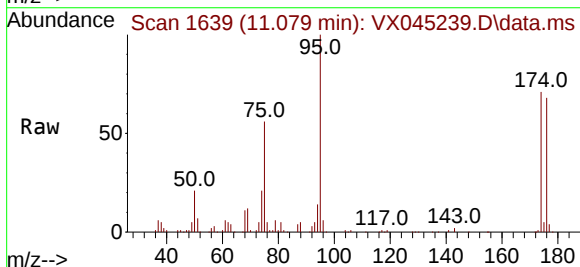
Instrument :
MSVOA_X
ClientSampleId :
VX0312MBL01

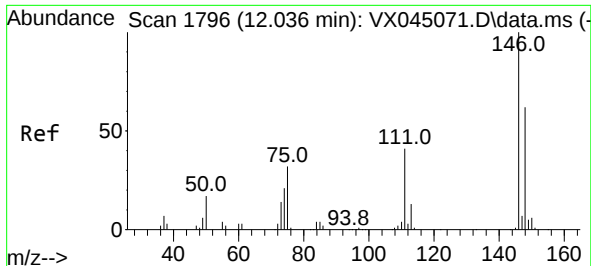
Tgt Ion: 75 Resp: 31428
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.598 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

Tgt Ion: 75 Resp: 31428
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#





#88

1,4-Dichlorobenzene

Concen: 0.226 ug/l

RT: 12.043 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX045239.D

Acq: 12 Mar 2025 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0312MBL01

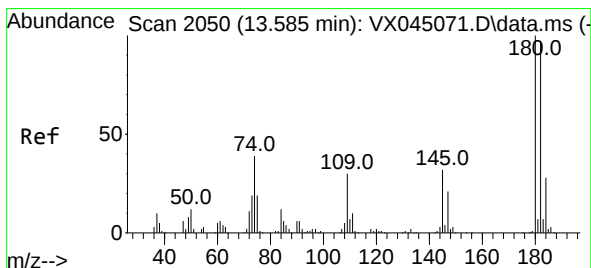
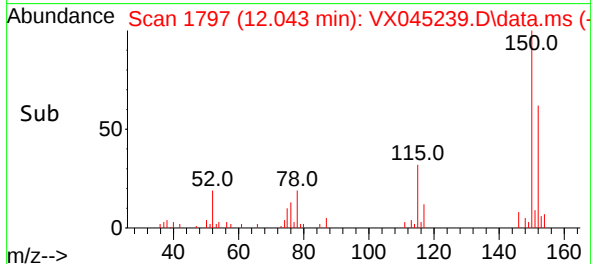
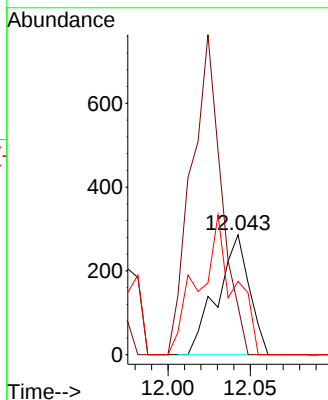
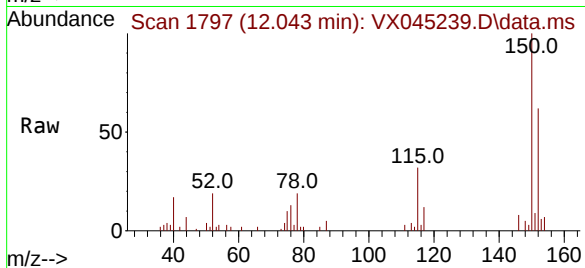
Tgt Ion:146 Resp: 387

Ion Ratio Lower Upper

146 100

111 251.7 20.2 60.5#

148 128.2 31.9 95.9#



#93

1,2,4-Trichlorobenzene

Concen: 0.420 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX045239.D

Acq: 12 Mar 2025 11:26

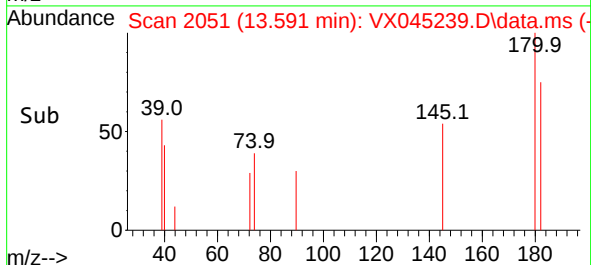
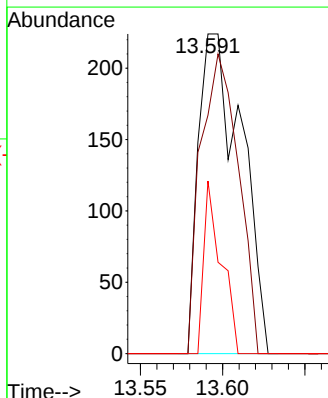
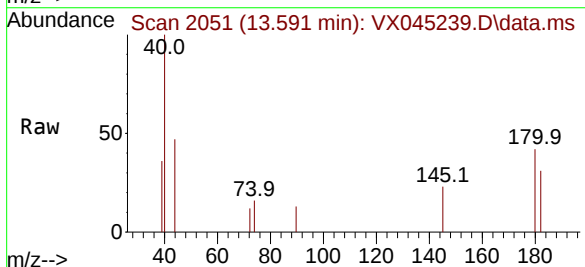
Tgt Ion:180 Resp: 406

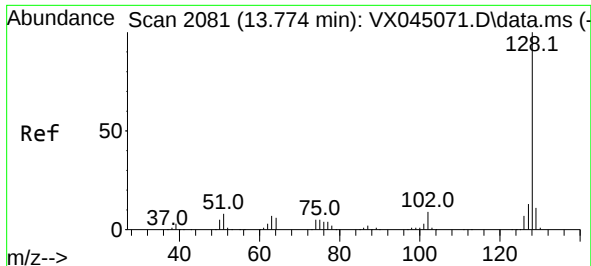
Ion Ratio Lower Upper

180 100

182 82.3 47.3 141.9

145 21.9 16.3 48.9

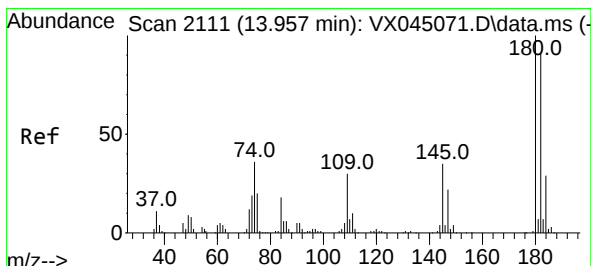
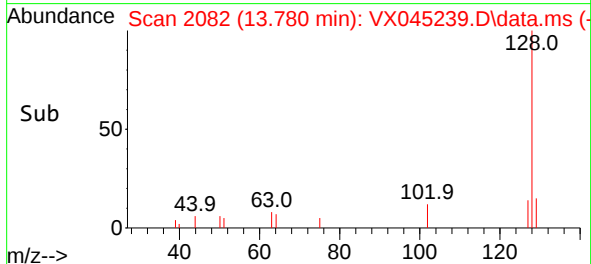
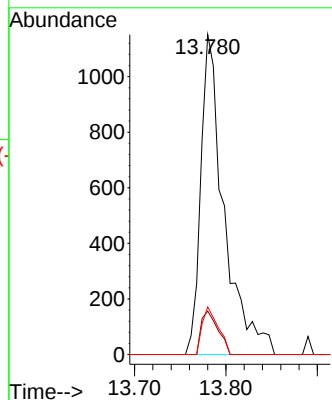
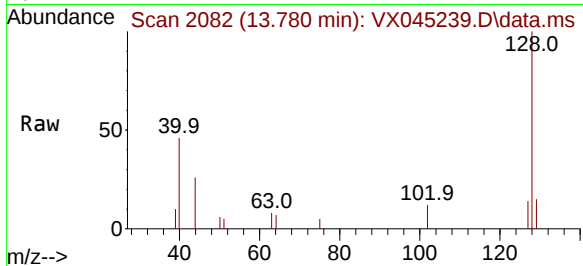




#95
Naphthalene
Concen: 0.546 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0312MBL01

Tgt Ion:128 Resp: 2032
Ion Ratio Lower Upper
128 100
127 9.8 10.3 15.5#
129 10.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.551 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045239.D
Acq: 12 Mar 2025 11:26

Tgt Ion:180 Resp: 563
Ion Ratio Lower Upper
180 100
182 59.1 47.5 142.6
145 23.3 17.0 50.9

