

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022725\
 Data File : VX045059.D
 Acq On : 27 Feb 2025 13:24
 Operator : JC/MD
 Sample : VX0227WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBL01

Quant Time: Feb 28 00:41:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

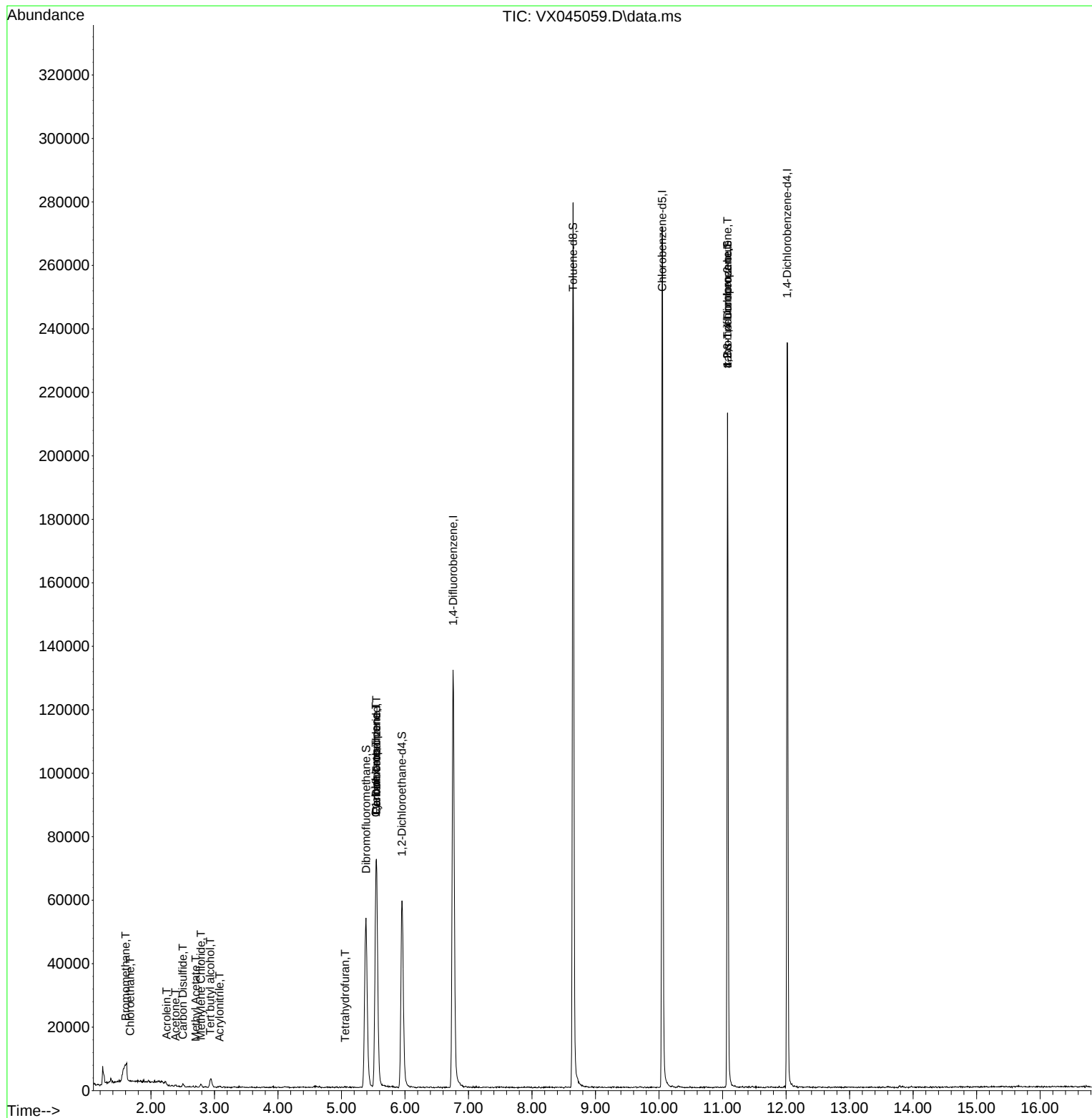
Internal Standards						
1) Pentafluorobenzene	5.550	168	69090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136093	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56495	55.861	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.720%			
35) Dibromofluoromethane	5.385	113	47104	53.235	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.480%			
50) Toluene-d8	8.647	98	167195	49.970	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.940%			
62) 4-Bromofluorobenzene	11.079	95	54771	48.557	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.120%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	149	0.436	ug/l	86
6) Chloroethane	1.672	64	70	1.468	ug/l #	42
11) Tert butyl alcohol	2.934	59	1757	9.365	ug/l #	73
13) Acrolein	2.245	56	146	0.754	ug/l #	77
15) Acrylonitrile	3.081	53	112	0.224	ug/l #	64
16) Acetone	2.386	43	431	1.060	ug/l #	64
17) Carbon Disulfide	2.501	76	975	0.399	ug/l #	90
18) Methyl Acetate	2.703	43	264	0.206	ug/l #	52
20) Methylene Chloride	2.788	84	370	0.372	ug/l #	84
29) Tetrahydrofuran	5.056	42	98	0.224	ug/l #	33
31) Cyclohexane	5.544	56	1312	0.835	ug/l #	9
36) 1,1-Dichloropropene	5.544	75	6060	4.747	ug/l #	49
38) Carbon Tetrachloride	5.550	117	7221	5.772	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	29070	27.645	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	29070	71.113	ug/l #	11

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

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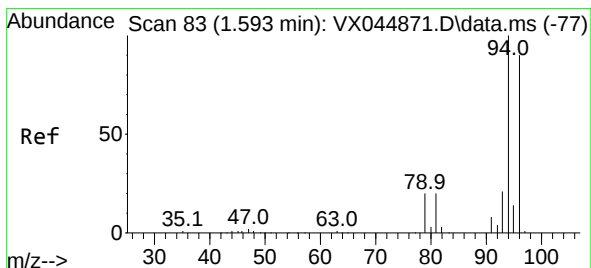
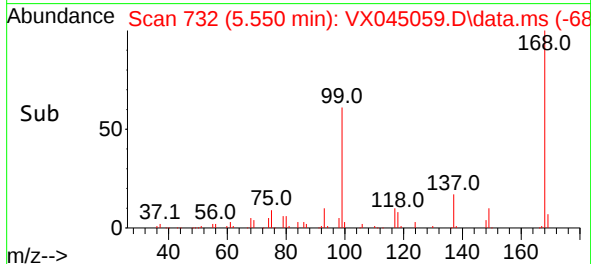
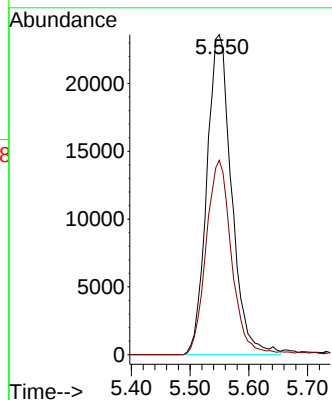
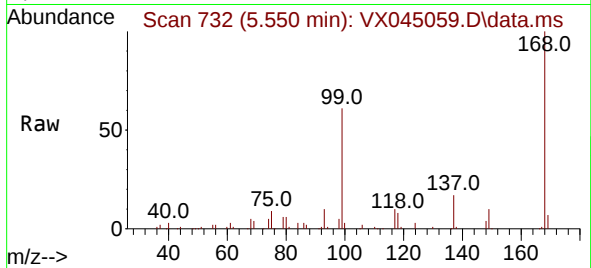




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

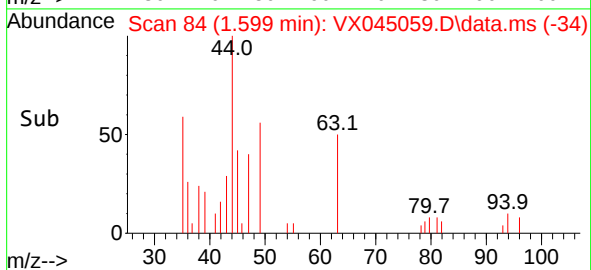
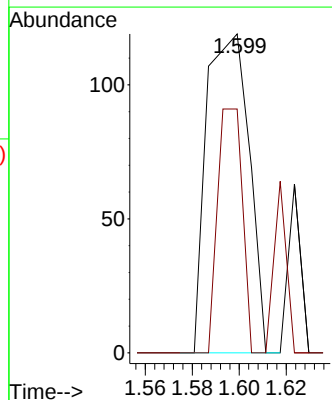
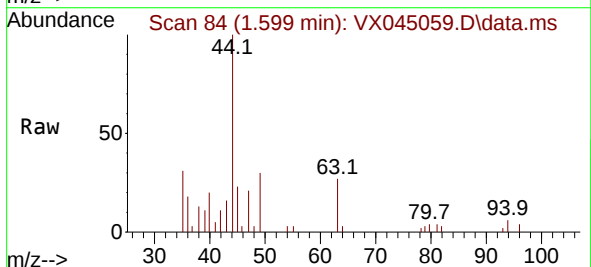
Instrument :
MSVOA_X
ClientSampleId :
VX0227WBL01

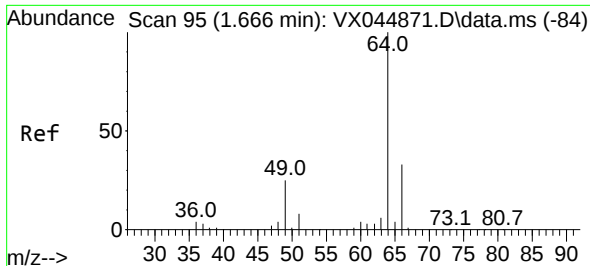
Tgt Ion:168 Resp: 69090
Ion Ratio Lower Upper
168 100
99 60.7 51.2 76.8



#5
Bromomethane
Concen: 0.436 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

Tgt Ion: 94 Resp: 149
Ion Ratio Lower Upper
94 100
96 76.5 71.6 107.4

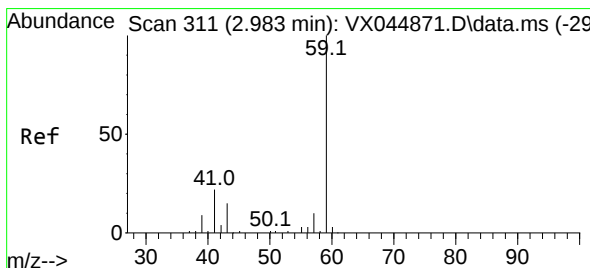
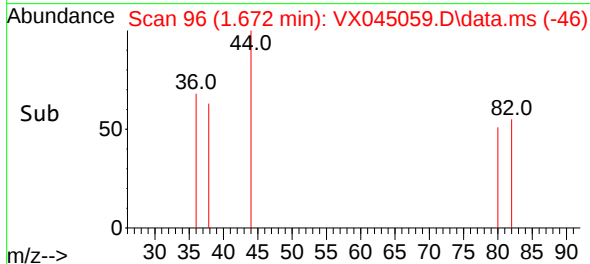
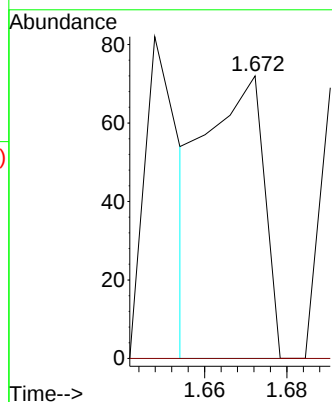
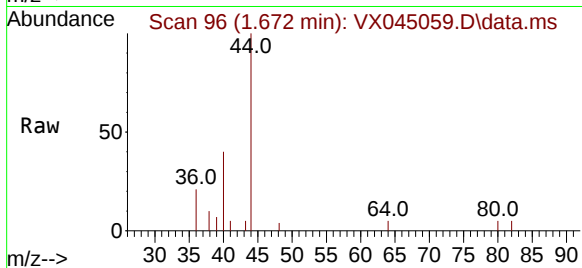




#6
Chloroethane
Concen: 1.468 ug/l
RT: 1.672 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

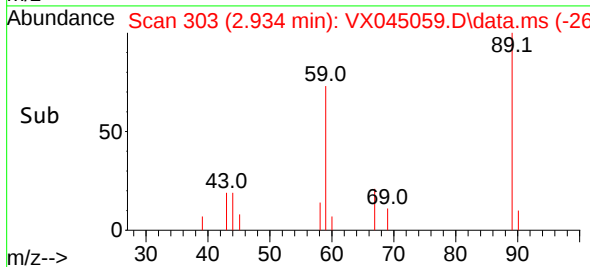
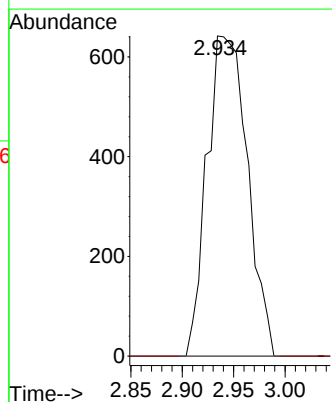
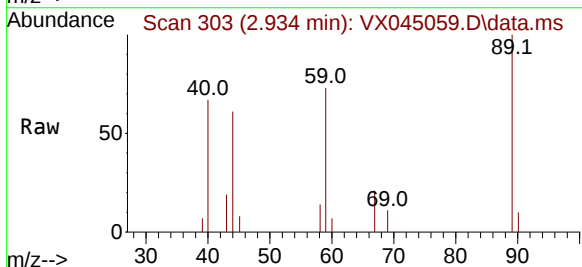
Instrument :
MSVOA_X
ClientSampleId :
VX0227WBL01

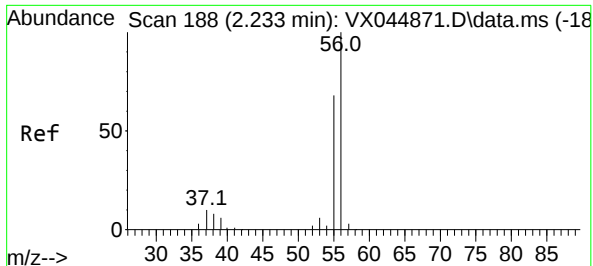
Tgt Ion: 64 Resp: 70
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 9.365 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.049 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

Tgt Ion: 59 Resp: 1757
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 0.754 ug/l

RT: 2.245 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX045059.D

Acq: 27 Feb 2025 13:24

Instrument :

MSVOA_X

ClientSampleId :

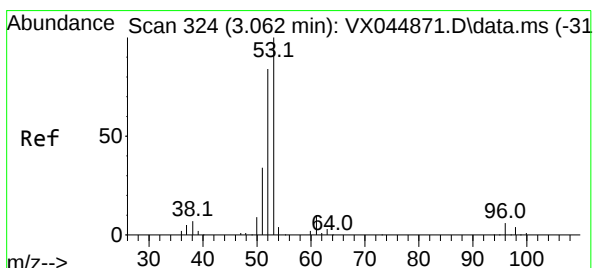
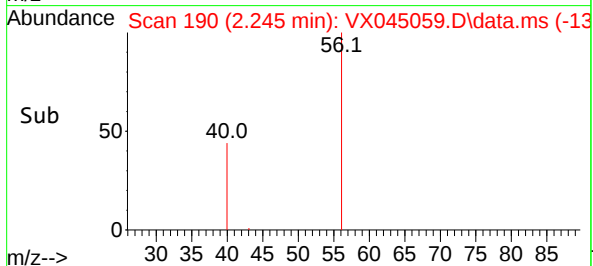
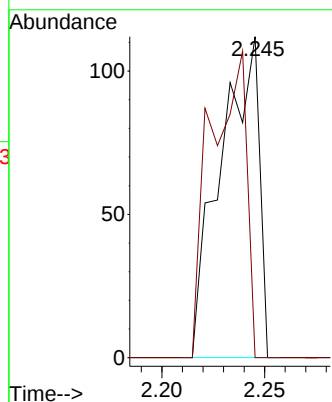
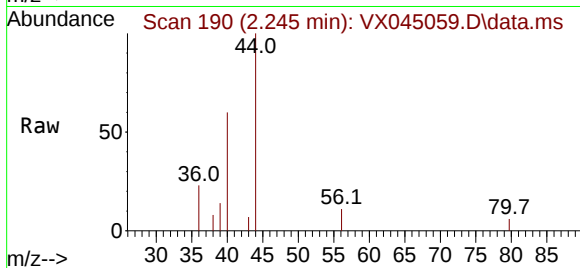
VX0227WBL01

Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 88.4 55.7 83.5#



#15

Acrylonitrile

Concen: 0.224 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.018 min

Lab File: VX045059.D

Acq: 27 Feb 2025 13:24

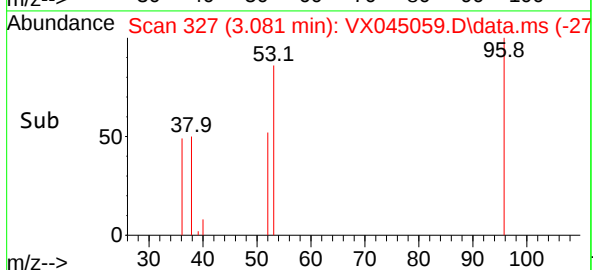
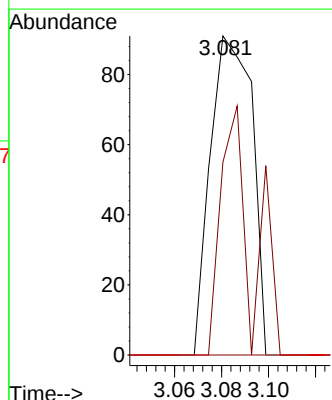
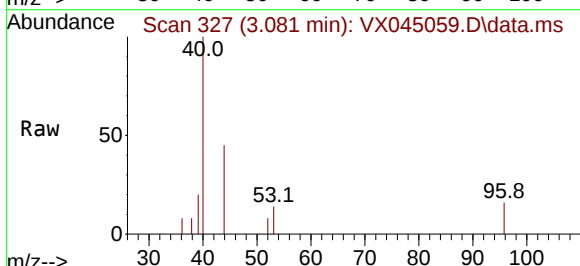
Tgt Ion: 53 Resp: 112

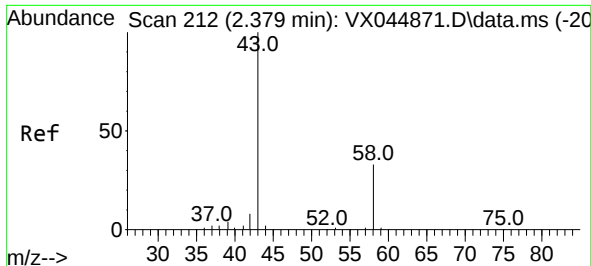
Ion Ratio Lower Upper

53 100

52 58.9 65.0 97.6#

51 0.0 28.0 42.0#

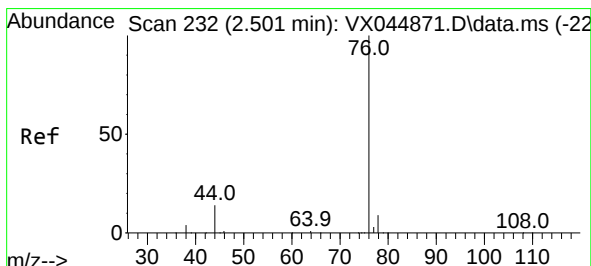
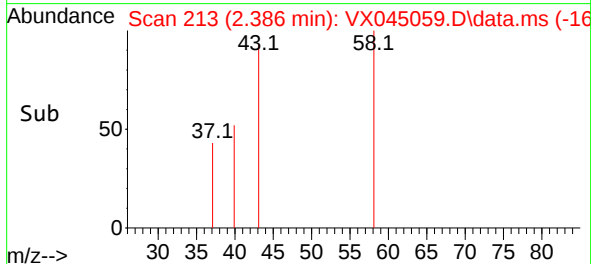
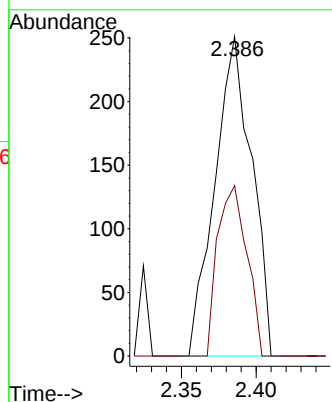
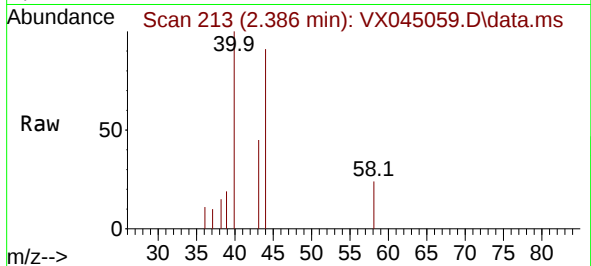




#16
Acetone
Concen: 1.060 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

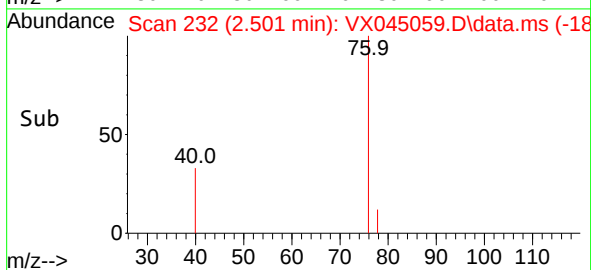
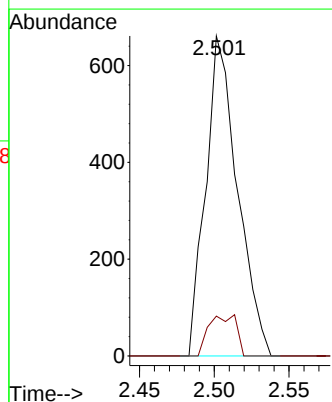
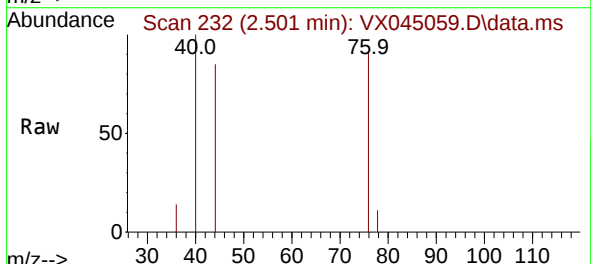
Instrument :
MSVOA_X
ClientSampleId :
VX0227WBL01

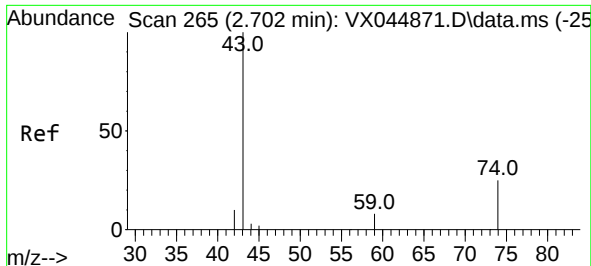
Tgt Ion: 43 Resp: 431
Ion Ratio Lower Upper
43 100
58 53.4 26.5 39.7#



#17
Carbon Disulfide
Concen: 0.399 ug/l
RT: 2.501 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

Tgt Ion: 76 Resp: 975
Ion Ratio Lower Upper
76 100
78 12.4 7.0 10.4#

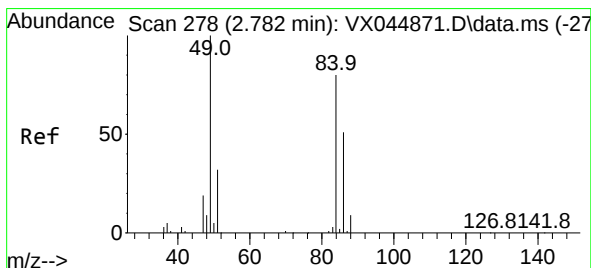
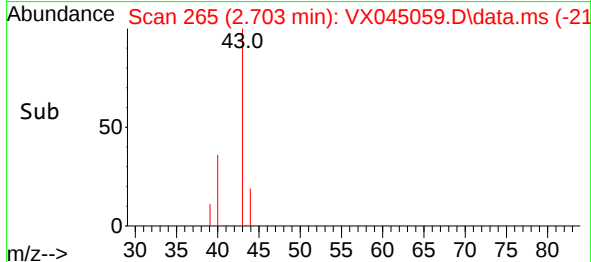
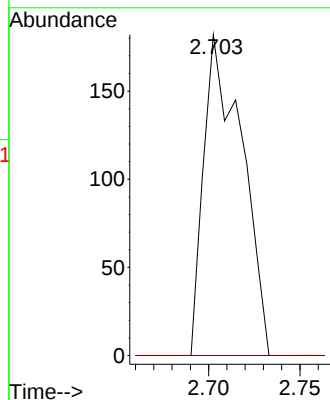
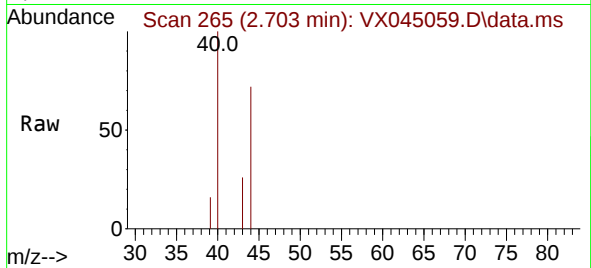




#18
Methyl Acetate
Concen: 0.206 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

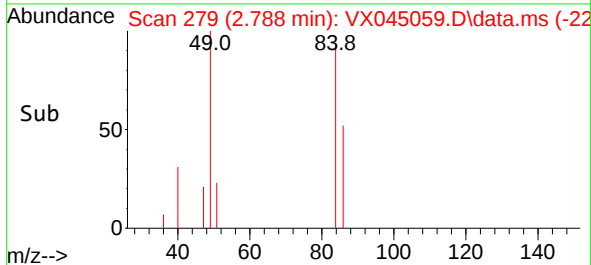
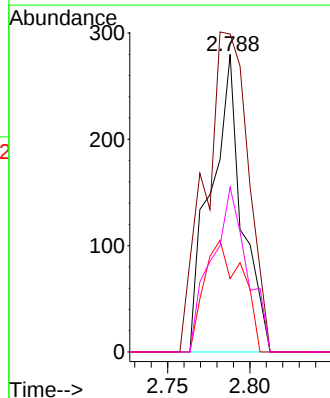
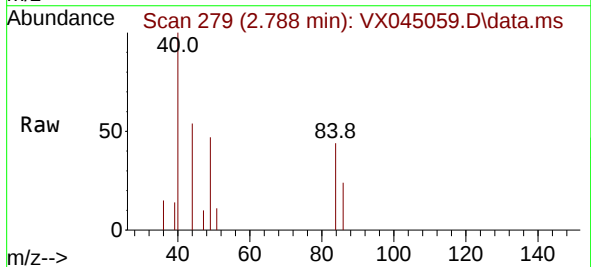
Instrument :
MSVOA_X
ClientSampleId :
VX0227WBL01

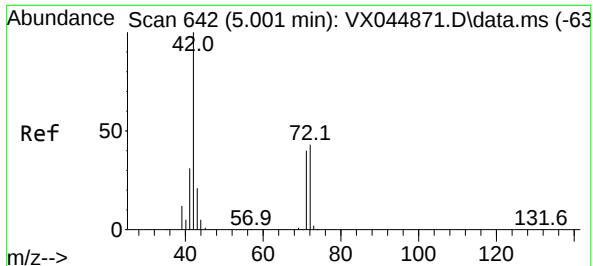
Tgt Ion: 43 Resp: 264
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: 0.372 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

Tgt Ion: 84 Resp: 370
Ion Ratio Lower Upper
84 100
49 106.8 100.1 150.1
51 24.6 31.7 47.5#
86 55.4 50.8 76.2





#29

Tetrahydrofuran

Concen: 0.224 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.055 min

Lab File: VX045059.D

Acq: 27 Feb 2025 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBL01

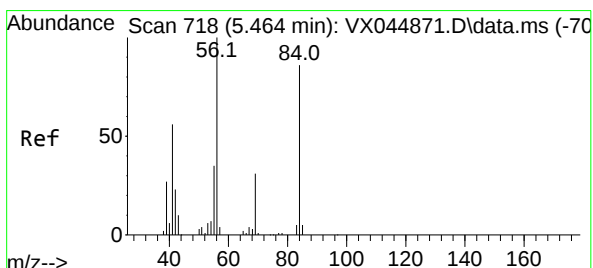
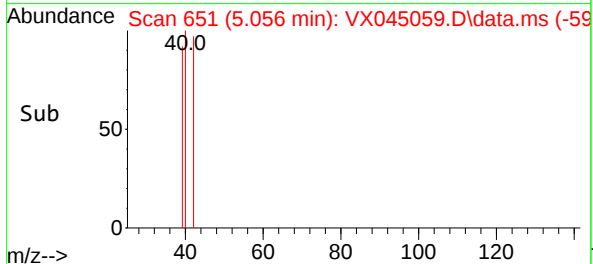
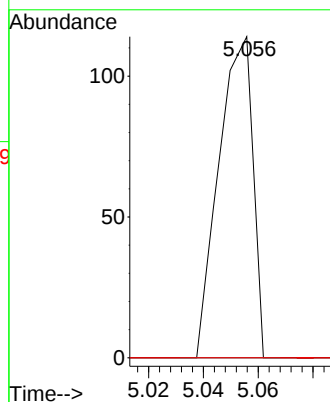
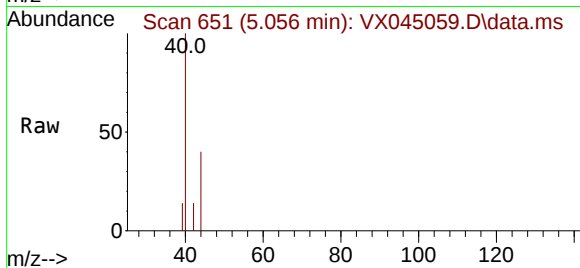
Tgt Ion: 42 Resp: 98

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

71 0.0 32.6 48.8#



#31

Cyclohexane

Concen: 0.835 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045059.D

Acq: 27 Feb 2025 13:24

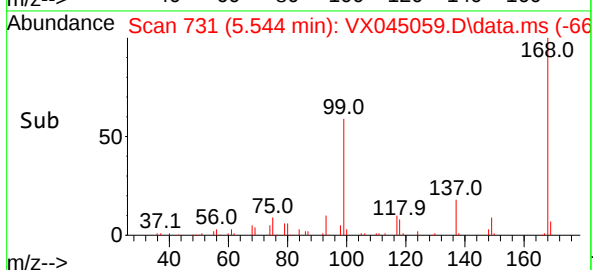
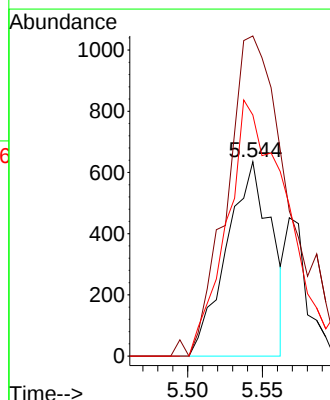
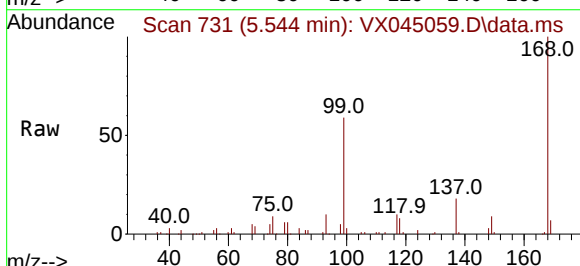
Tgt Ion: 56 Resp: 1312

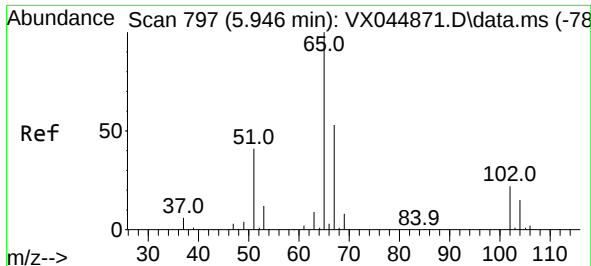
Ion Ratio Lower Upper

56 100

69 156.4 24.4 36.6#

84 124.1 69.0 103.6#

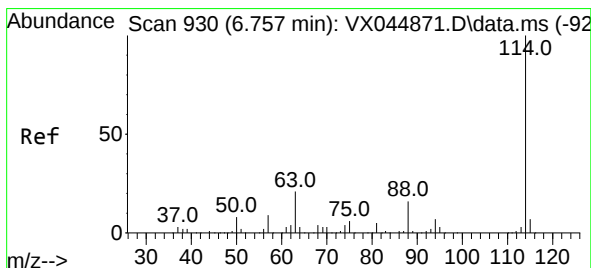
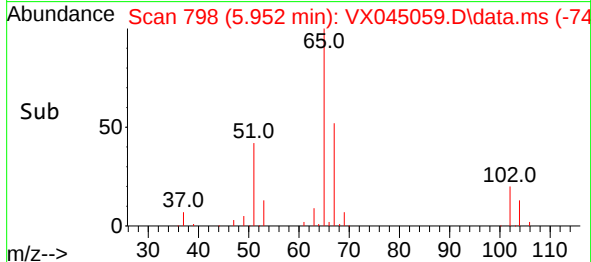
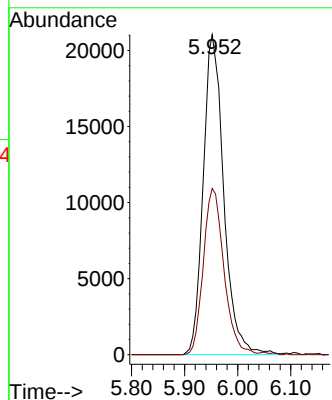
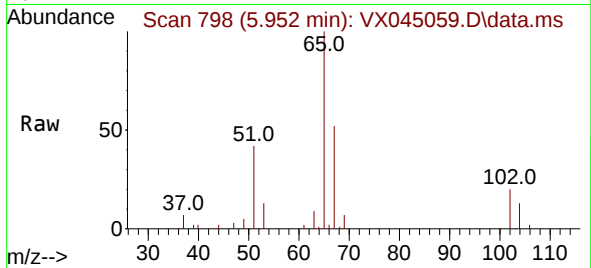




#33
 1,2-Dichloroethane-d4
 Concen: 55.861 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX045059.D
 Acq: 27 Feb 2025 13:24

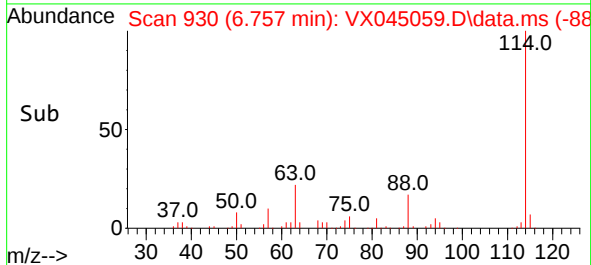
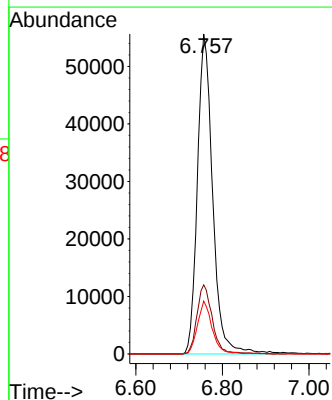
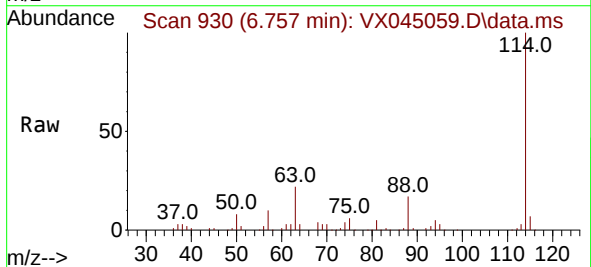
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBL01

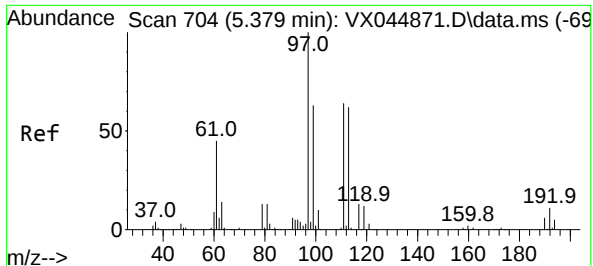
Tgt Ion: 65 Resp: 56495
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045059.D
 Acq: 27 Feb 2025 13:24

Tgt Ion: 114 Resp: 136093
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.4
 88 16.5 0.0 31.4

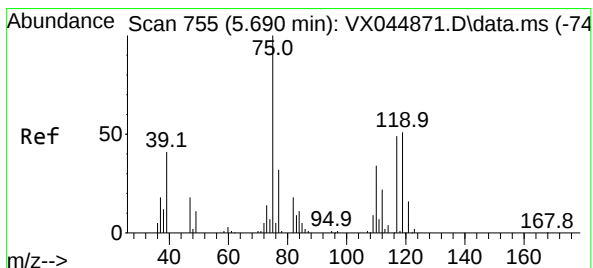
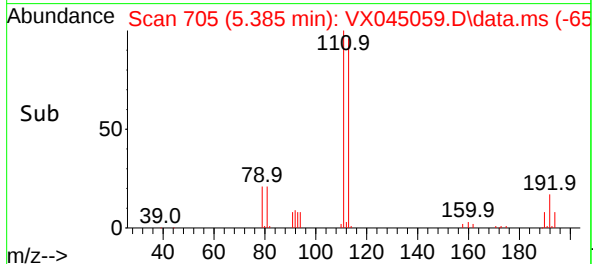
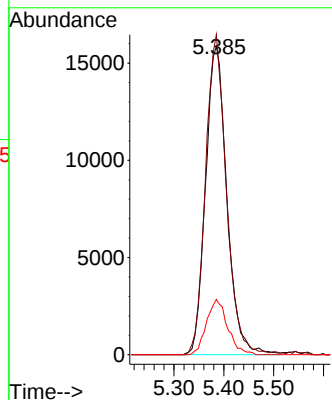
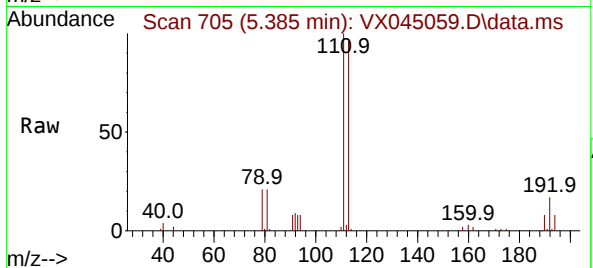




#35
Dibromofluoromethane
Concen: 53.235 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

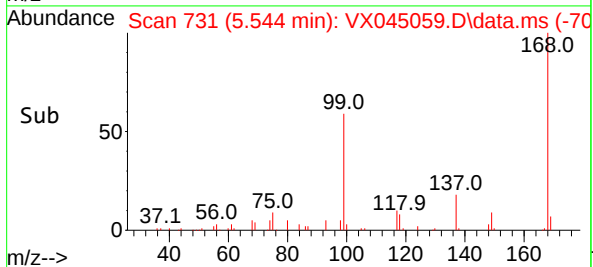
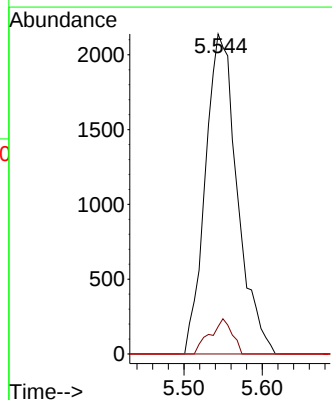
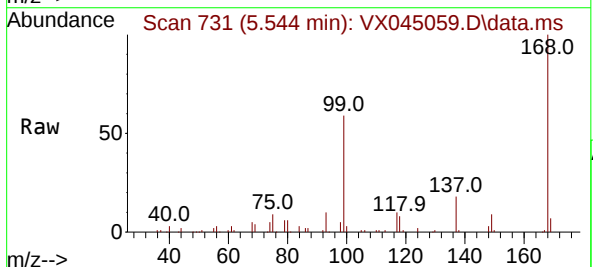
Instrument :
MSVOA_X
ClientSampleId :
VX0227WBL01

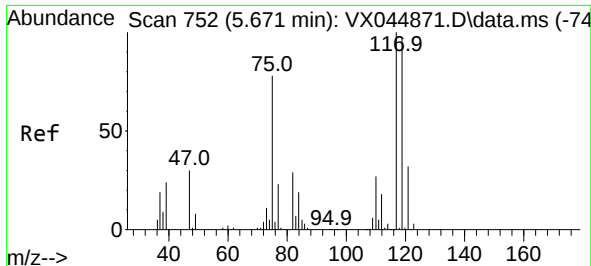
Tgt Ion:113 Resp: 47104
Ion Ratio Lower Upper
113 100
111 101.3 83.5 125.3
192 17.8 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.747 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

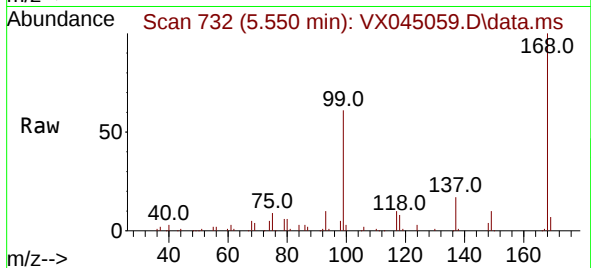
Tgt Ion: 75 Resp: 6060
Ion Ratio Lower Upper
75 100
110 7.6 17.2 51.6#
77 0.0 24.6 37.0#



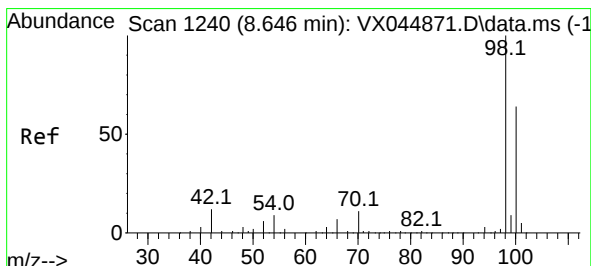
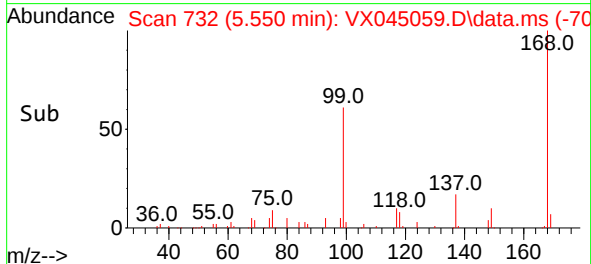
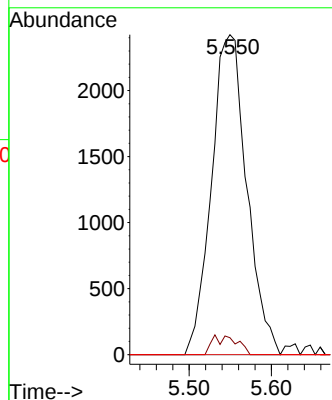


#38
Carbon Tetrachloride
Concen: 5.772 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
VX0227WBL01

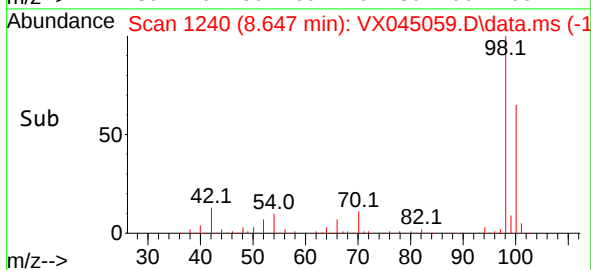
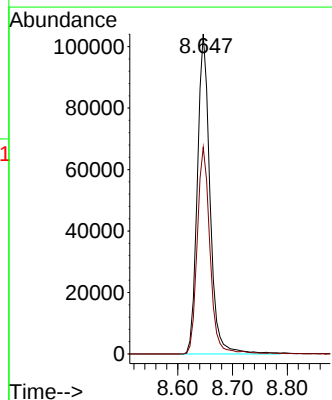
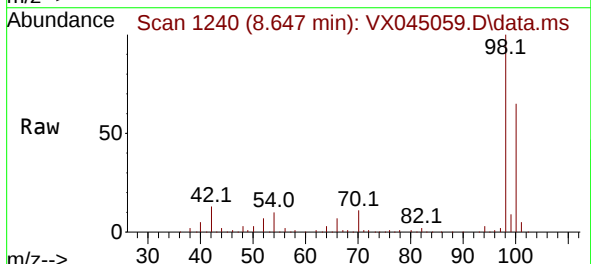


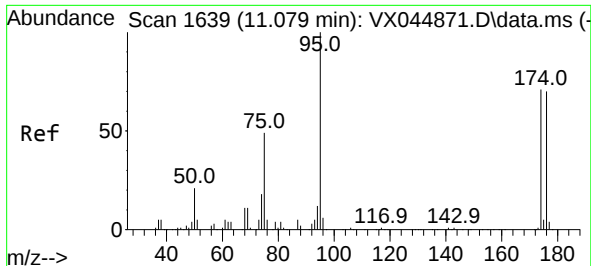
Tgt Ion:117 Resp: 7221
Ion Ratio Lower Upper
117 100
119 5.3 77.5 116.3#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 49.970 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

Tgt Ion: 98 Resp: 167195
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1

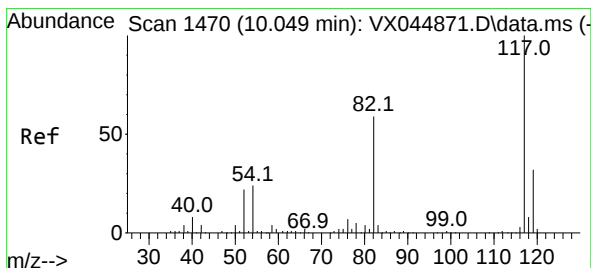
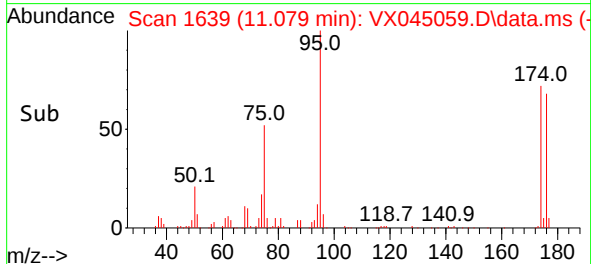
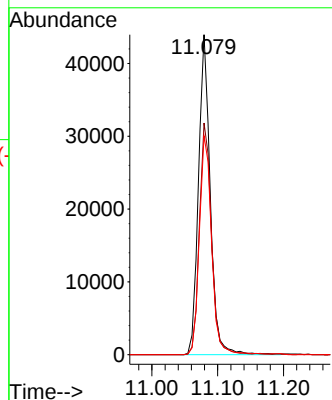
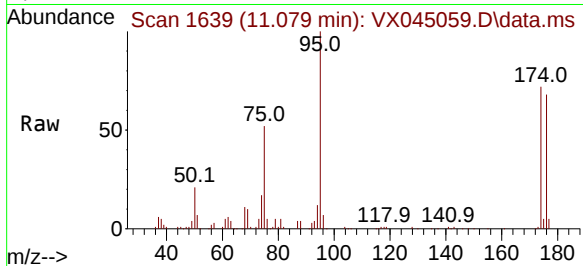




#62
4-Bromofluorobenzene
Concen: 48.557 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

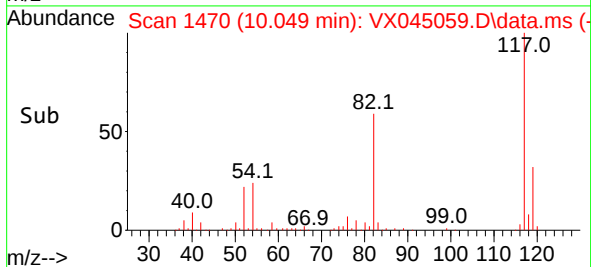
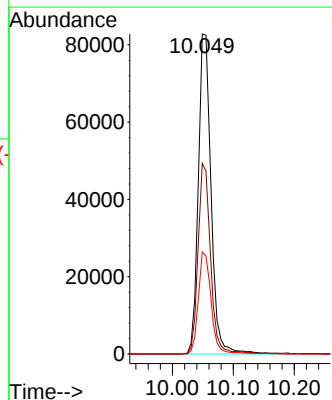
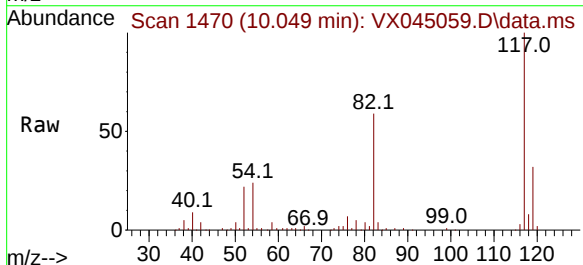
Instrument :
MSVOA_X
ClientSampleId :
VX0227WBL01

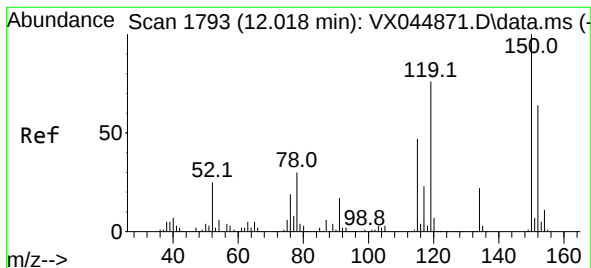
Tgt Ion: 95 Resp: 54771
Ion Ratio Lower Upper
95 100
174 74.6 0.0 142.6
176 71.3 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045059.D
Acq: 27 Feb 2025 13:24

Tgt Ion: 117 Resp: 120717
Ion Ratio Lower Upper
117 100
82 59.5 47.5 71.3
119 31.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045059.D

Acq: 27 Feb 2025 13:24

Instrument :

MSVOA_X

ClientSampleId :

VX0227WBL01

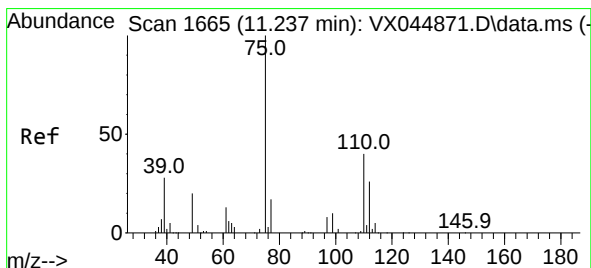
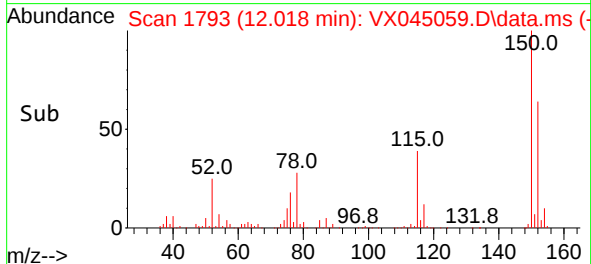
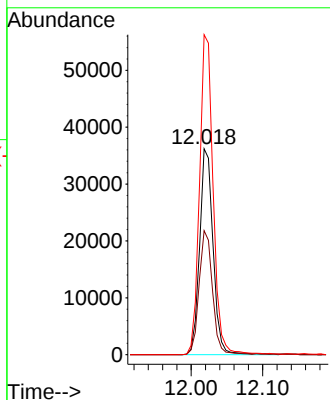
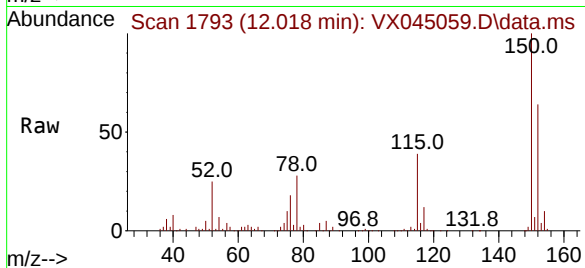
Tgt Ion:152 Resp: 47428

Ion Ratio Lower Upper

152 100

115 59.8 43.4 130.1

150 156.6 0.0 350.4



#76

1,2,3-Trichloropropane

Concen: 27.645 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045059.D

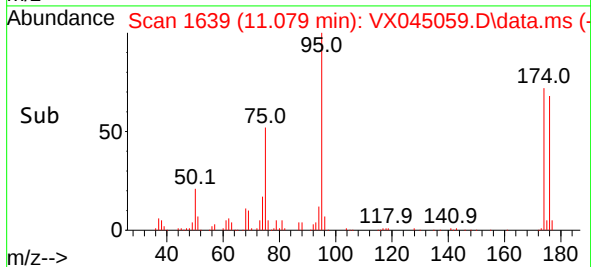
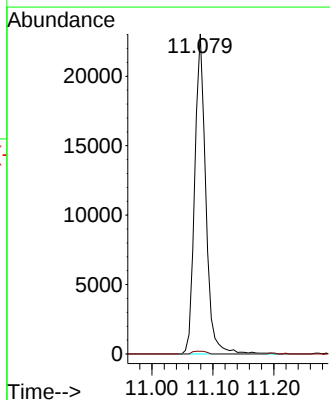
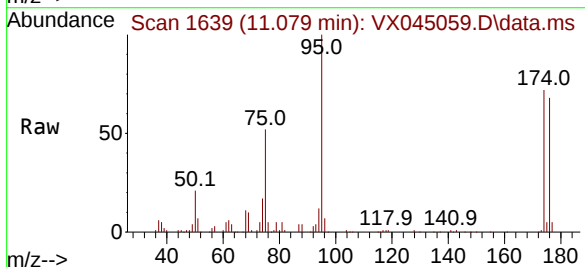
Acq: 27 Feb 2025 13:24

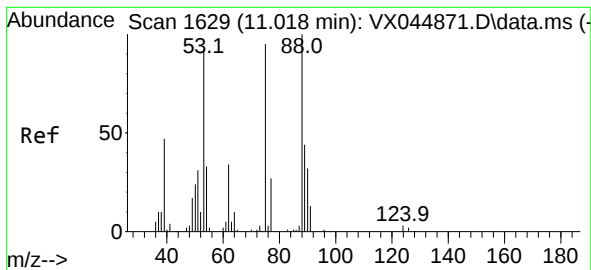
Tgt Ion: 75 Resp: 29070

Ion Ratio Lower Upper

75 100

77 1.1 21.9 65.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.113 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045059.D
 Acq: 27 Feb 2025 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBL01

Tgt Ion: 75 Resp: 29070
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 36.6 54.8#

