

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045262.D
 Acq On : 13 Mar 2025 12:27
 Operator : JC/MD
 Sample : Q1559-02 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 14 12:27:42 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)

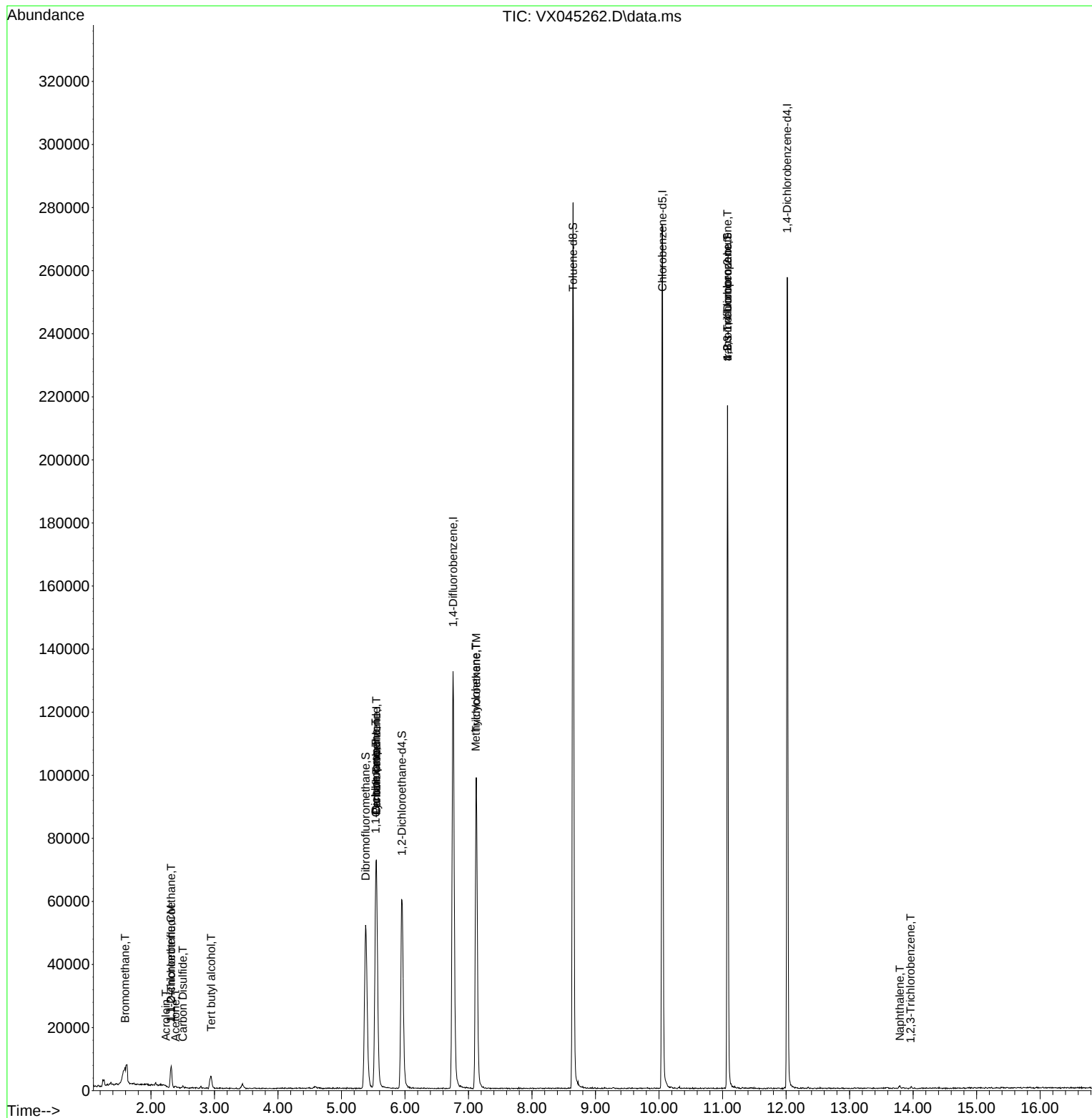
Internal Standards						
1) Pentafluorobenzene	5.550	168	67039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131183	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56879	53.340	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.680%	
35) Dibromofluoromethane	5.379	113	45848	52.267	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.540%	
50) Toluene-d8	8.647	98	163846	51.522	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.040%	
62) 4-Bromofluorobenzene	11.079	95	55976	53.119	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.240%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	108	0.268	ug/l #	72
9) 1,1,2-Trichlorotrifluo...	2.319	101	1760	2.259	ug/l	95
11) Tert butyl alcohol	2.947	59	2606	12.902	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	979	1.188	ug/l	90
13) Acrolein	2.233	56	75	0.321	ug/l #	15
16) Acetone	2.386	43	538	1.087	ug/l	98
17) Carbon Disulfide	2.502	76	664	0.303	ug/l #	77
31) Cyclohexane	5.544	56	1871	1.290	ug/l #	46
36) 1,1-Dichloropropene	5.538	75	6075	5.050	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7520	6.157	ug/l #	16
39) Methylcyclohexane	7.117	83	514	0.357	ug/l #	1
44) Trichloroethene	7.123	130	37602	42.156	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	31387	27.476	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31387	94.028	ug/l #	6
95) Naphthalene	13.792	128	1265	0.357	ug/l #	79
96) 1,2,3-Trichlorobenzene	13.963	180	225	0.232	ug/l #	85

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
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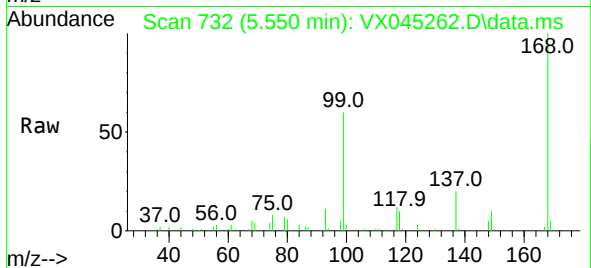


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

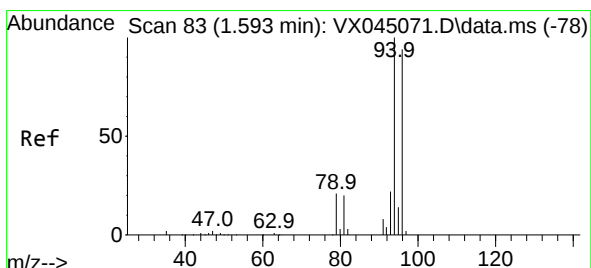
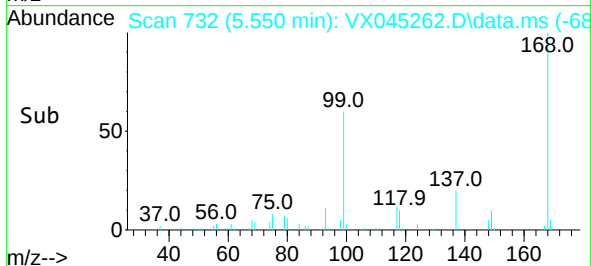
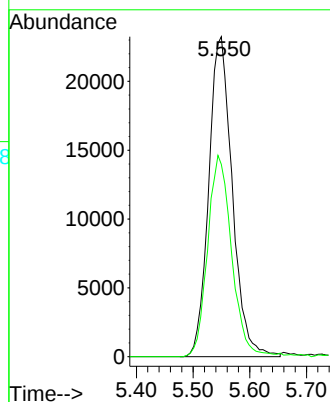
Instrument :

MSVOA_X

ClientSampleId :

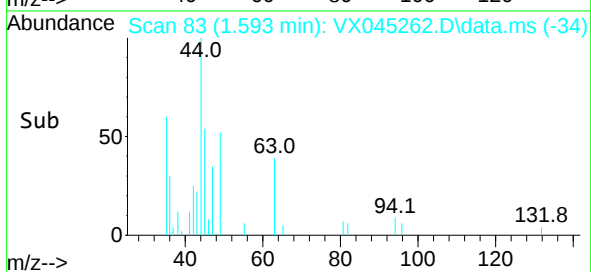
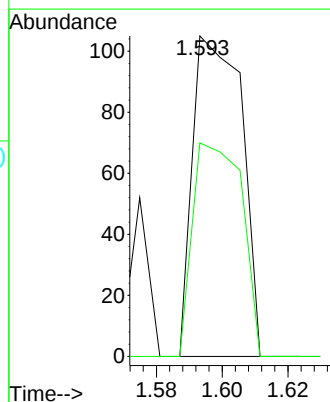
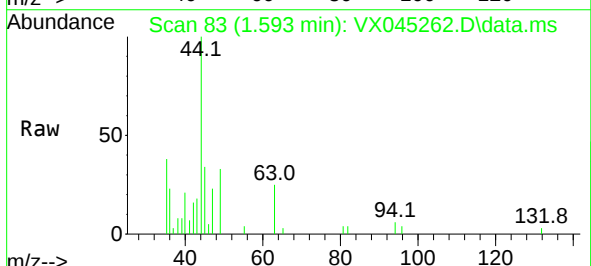


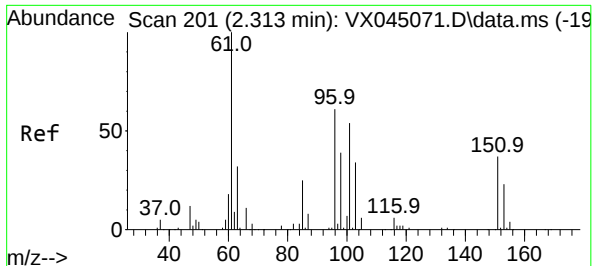
Tgt Ion:168 Resp: 67039
Ion Ratio Lower Upper
168 100
99 60.1 48.2 72.4



#5
Bromomethane
Concen: 0.268 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

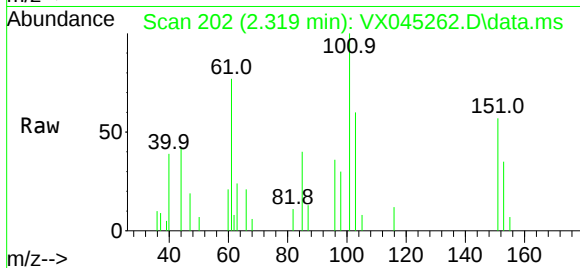
Tgt Ion: 94 Resp: 108
Ion Ratio Lower Upper
94 100
96 66.7 75.0 112.4#



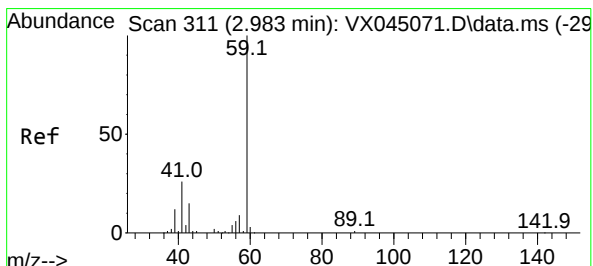
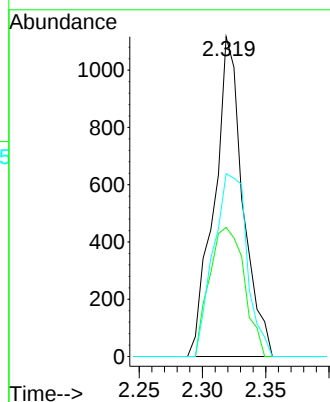
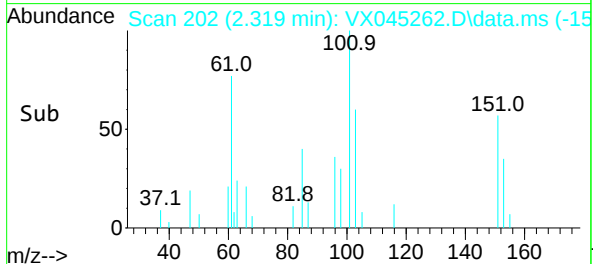


#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.259 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :

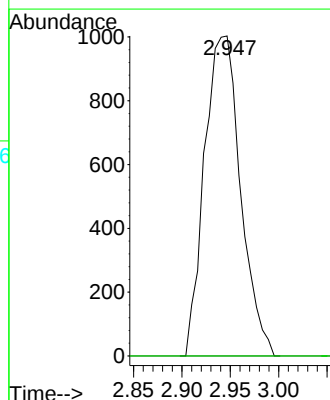
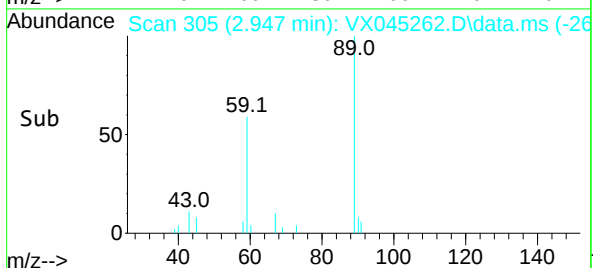
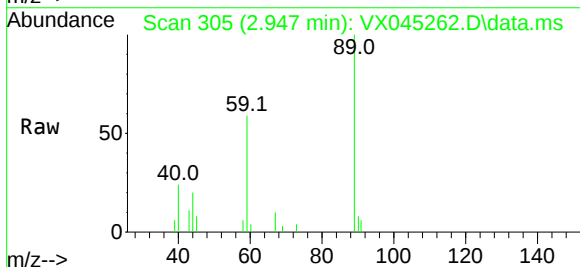


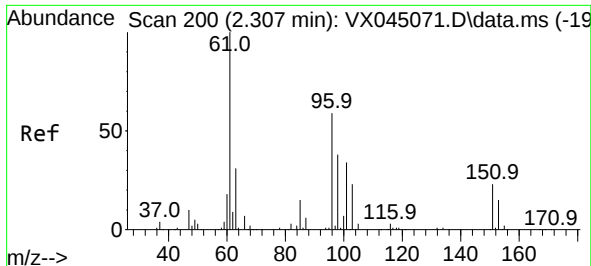
Tgt Ion:101 Resp: 1760
Ion Ratio Lower Upper
101 100
85 49.0 36.2 54.4
151 66.9 56.4 84.6



#11
Tert butyl alcohol
Concen: 12.902 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Tgt Ion: 59 Resp: 2606
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 1.188 ug/l

RT: 2.313 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045262.D

Acq: 13 Mar 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

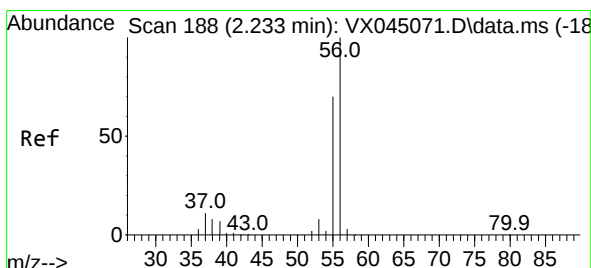
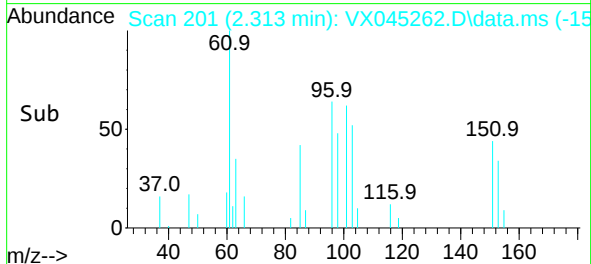
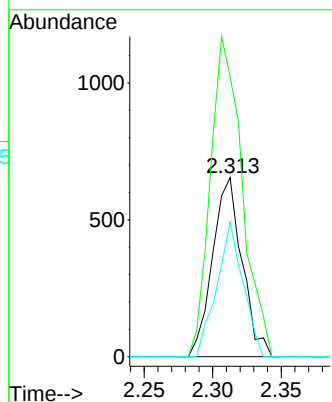
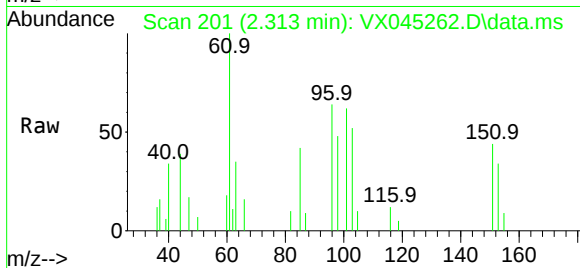
Tgt Ion: 96 Resp: 979

Ion Ratio Lower Upper

96 100

61 156.4 134.6 202.0

98 75.1 51.0 76.6



#13

Acrolein

Concen: 0.321 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX045262.D

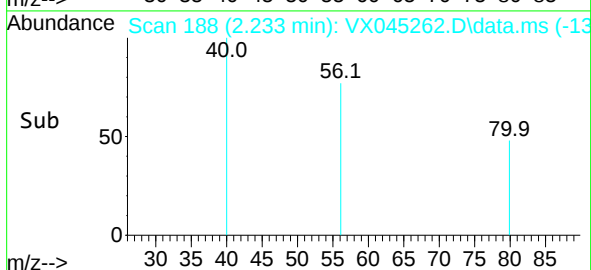
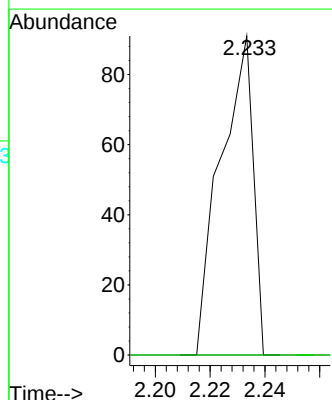
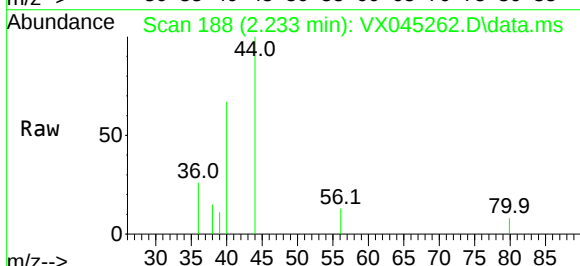
Acq: 13 Mar 2025 12:27

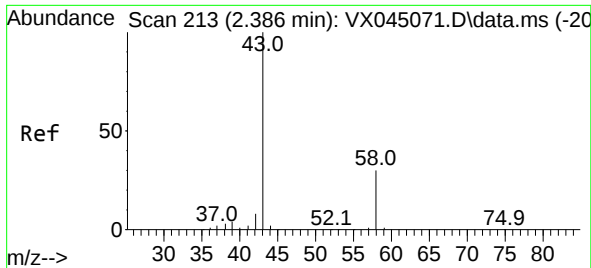
Tgt Ion: 56 Resp: 75

Ion Ratio Lower Upper

56 100

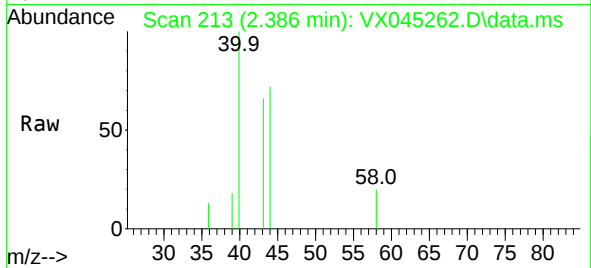
55 0.0 56.2 84.4#



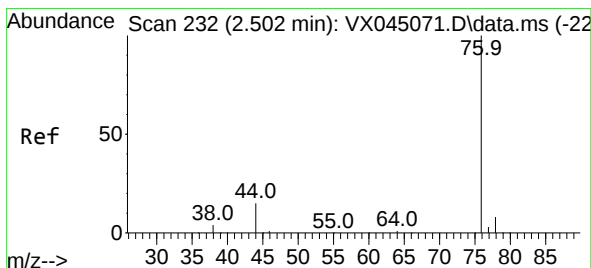
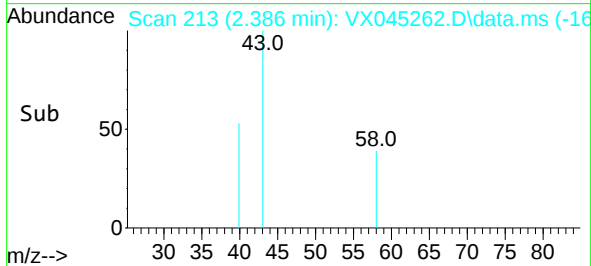
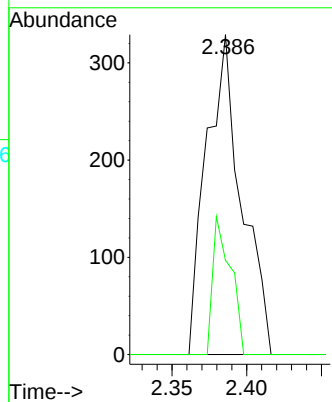


#16
Acetone
Concen: 1.087 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :

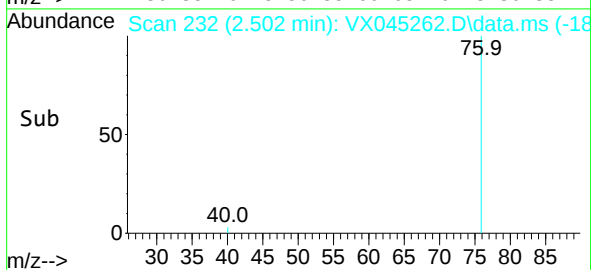
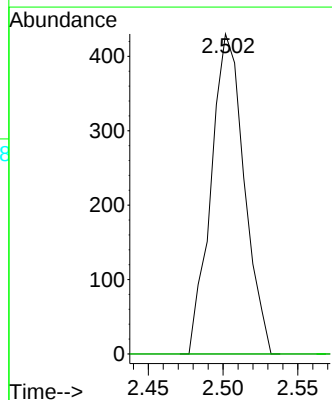
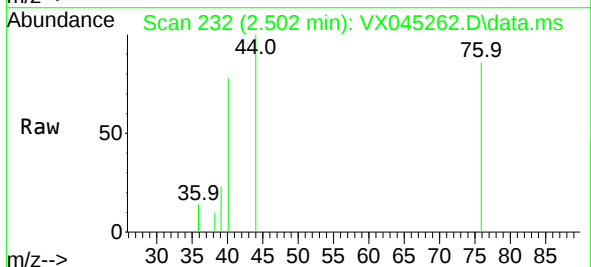


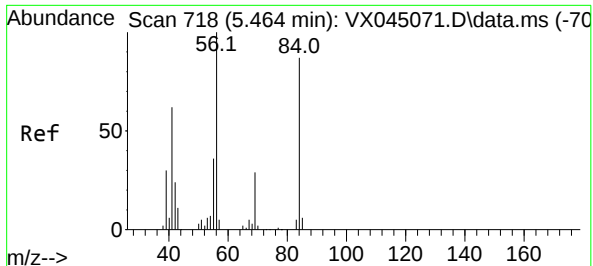
Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
58 29.5 24.2 36.4



#17
Carbon Disulfide
Concen: 0.303 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

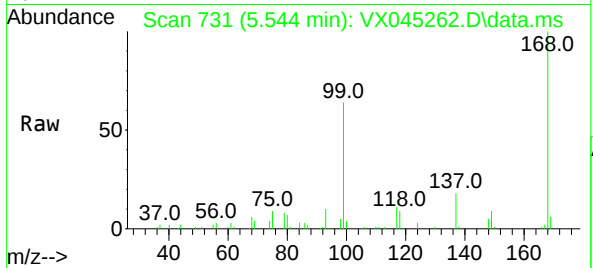
Tgt Ion: 76 Resp: 664
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#



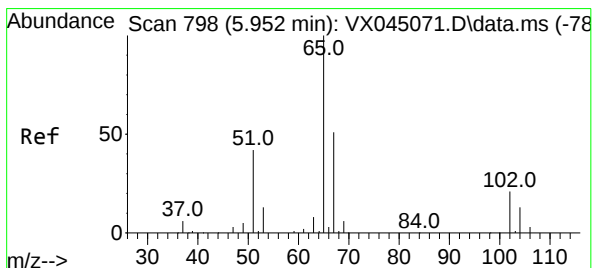
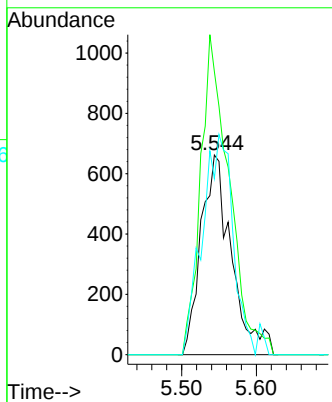
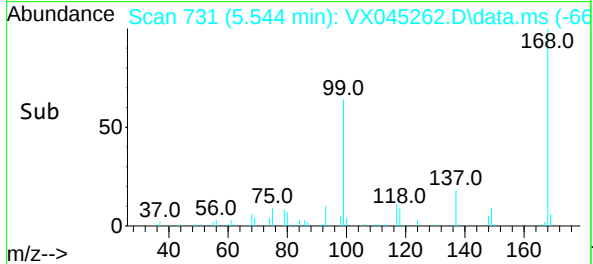


#31
Cyclohexane
Concen: 1.290 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :

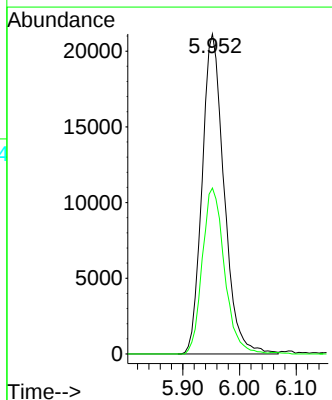
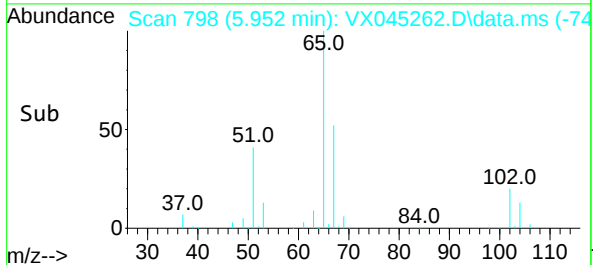
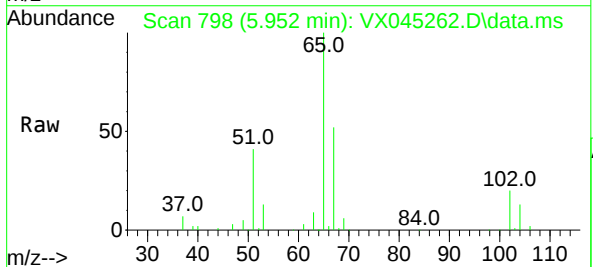


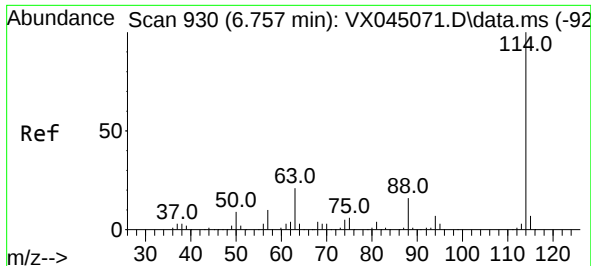
Tgt Ion: 56 Resp: 1871
Ion Ratio Lower Upper
56 100
69 141.8 23.4 35.2#
84 88.2 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 53.340 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

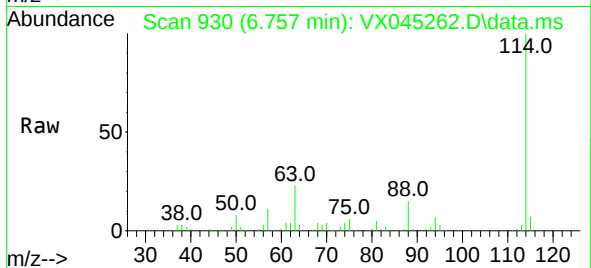
Tgt Ion: 65 Resp: 56879
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.2



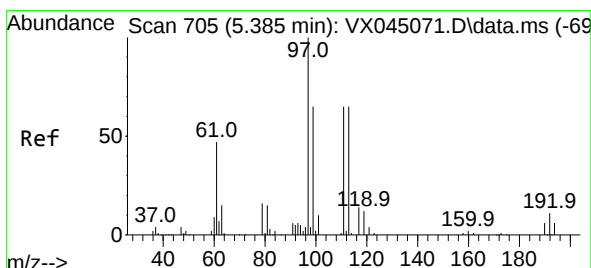
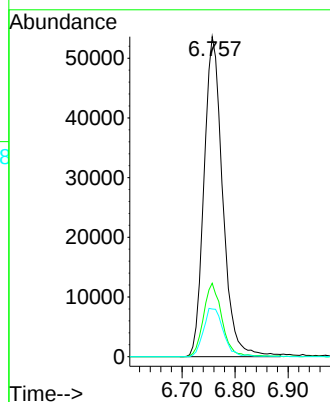
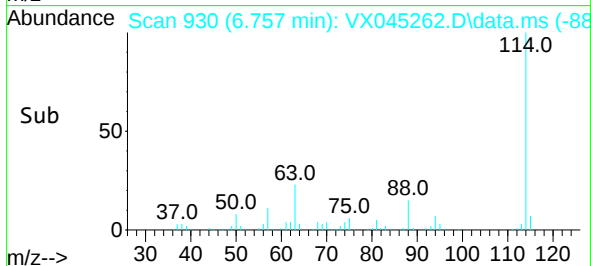


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Instrument :
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ClientSampleId :

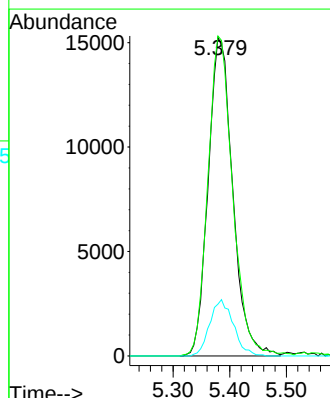
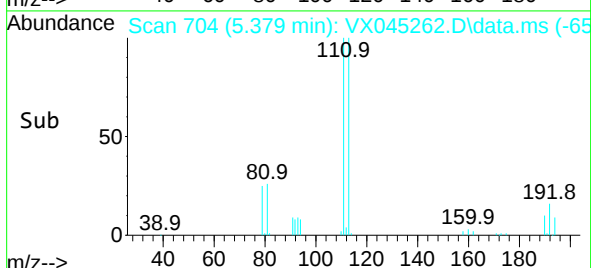
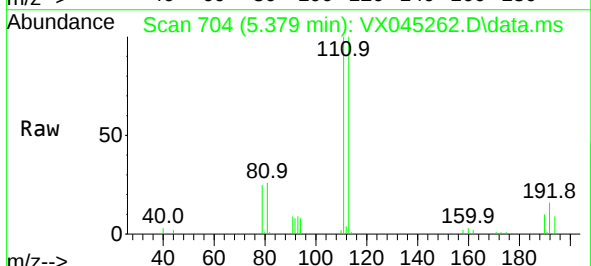


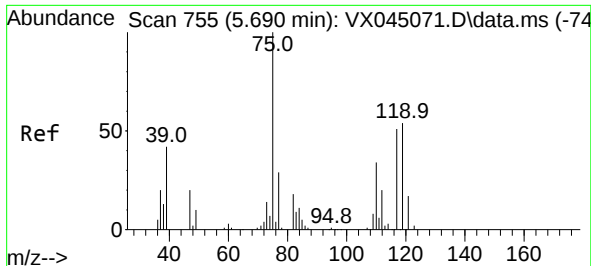
Tgt Ion:114 Resp: 131183
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.8
88 14.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.267 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

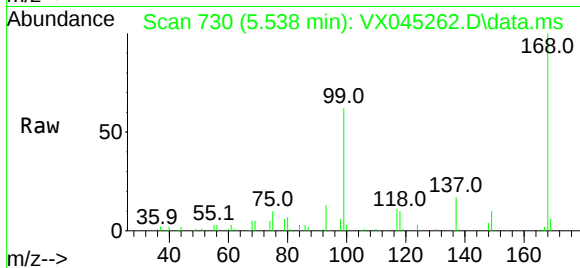
Tgt Ion:113 Resp: 45848
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 17.1 14.3 21.5



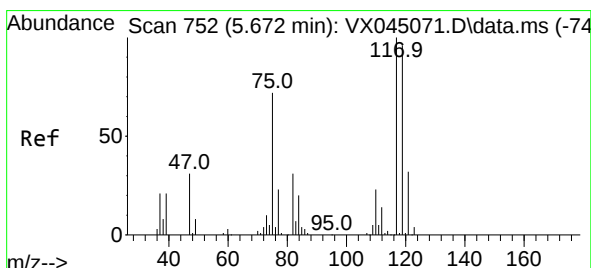
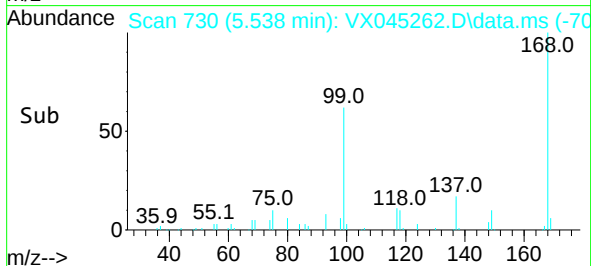
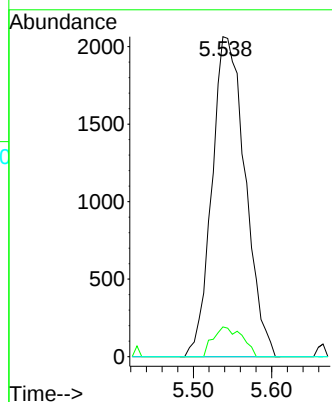


#36
1,1-Dichloropropene
Concen: 5.050 ug/l
RT: 5.538 min Scan# 710
Delta R.T. -0.152 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Instrument :
MSVOA_X
ClientSampleId :

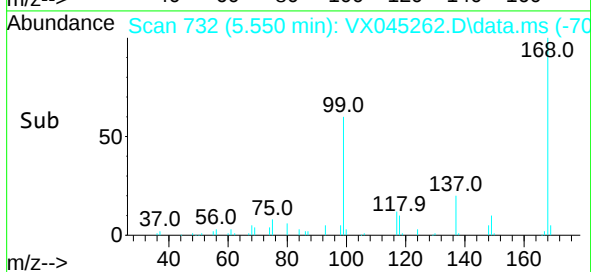
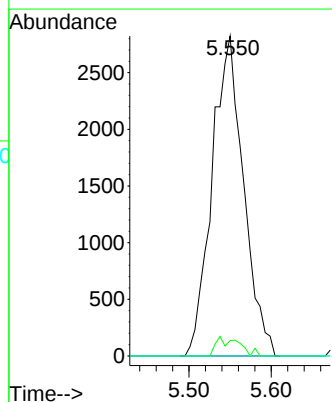
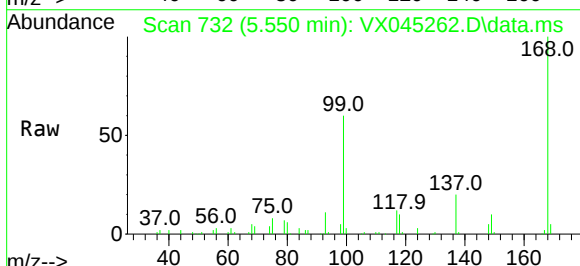


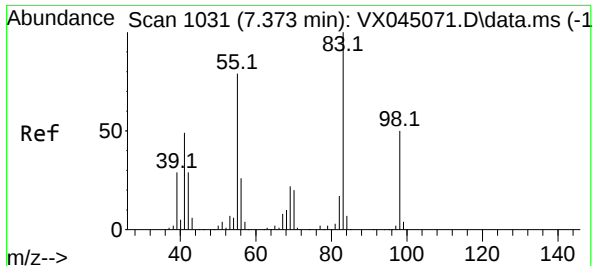
Tgt Ion: 75 Resp: 6075
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.157 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Tgt Ion: 117 Resp: 7520
Ion Ratio Lower Upper
117 100
119 4.8 76.7 115.1#
121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 0.357 ug/l

RT: 7.117 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX045262.D

Acq: 13 Mar 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

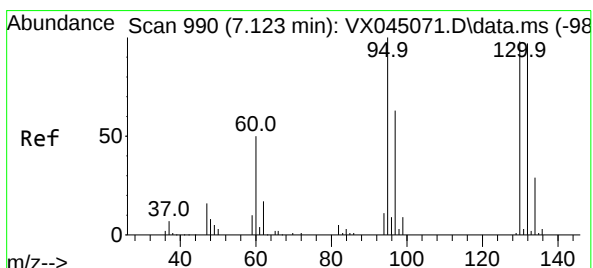
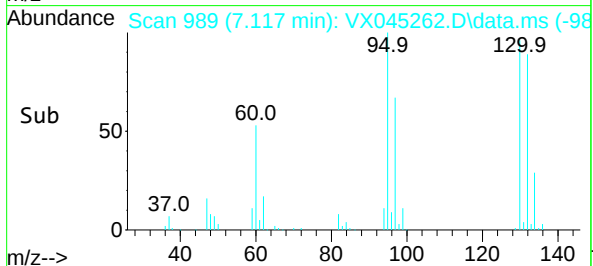
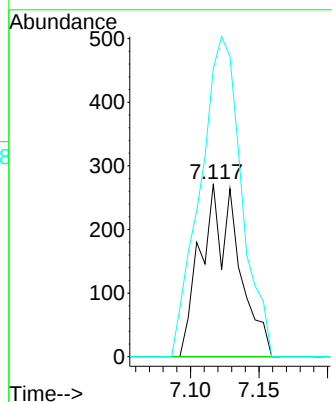
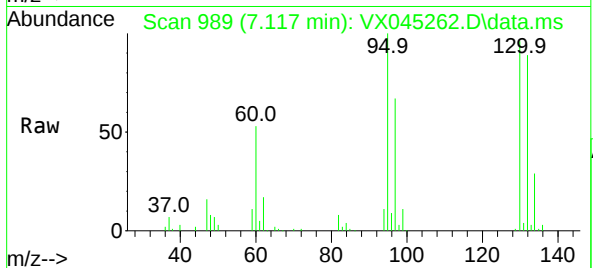
Tgt Ion: 83 Resp: 514

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 138.6 39.7 59.5#



#44

Trichloroethene

Concen: 42.156 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX045262.D

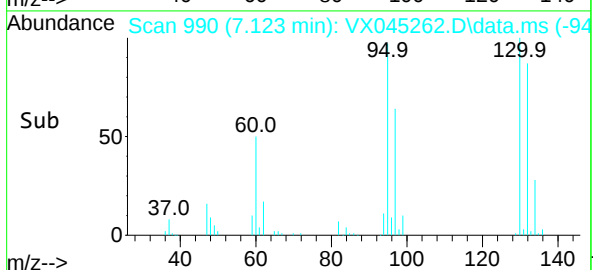
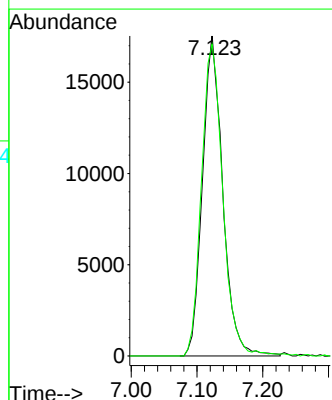
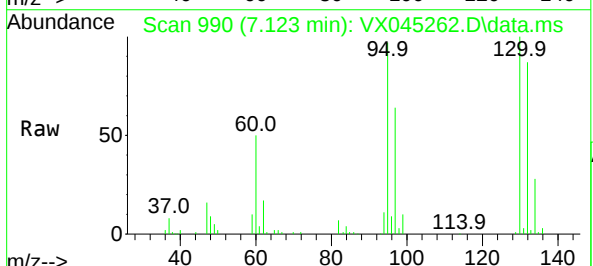
Acq: 13 Mar 2025 12:27

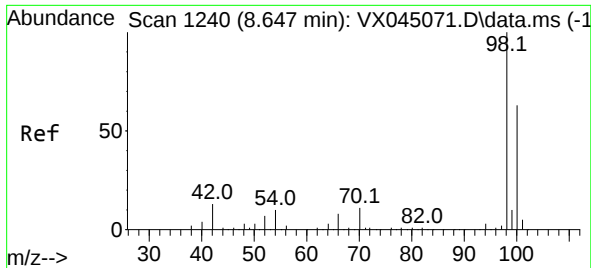
Tgt Ion:130 Resp: 37602

Ion Ratio Lower Upper

130 100

95 97.4 0.0 205.0

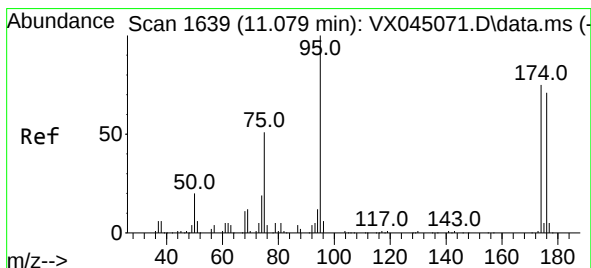
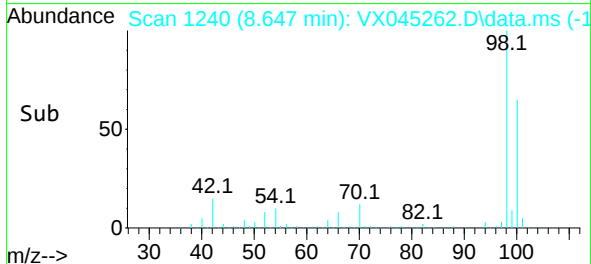
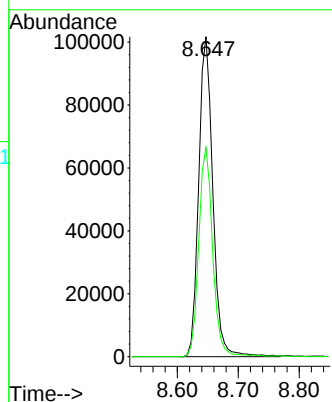
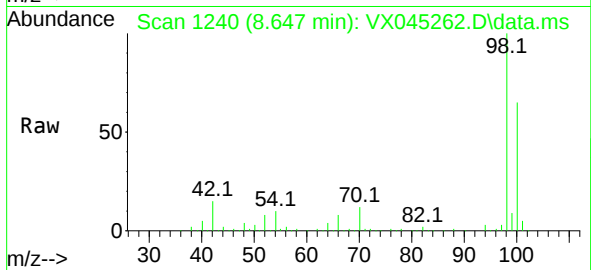




#50
Toluene-d8
Concen: 51.522 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

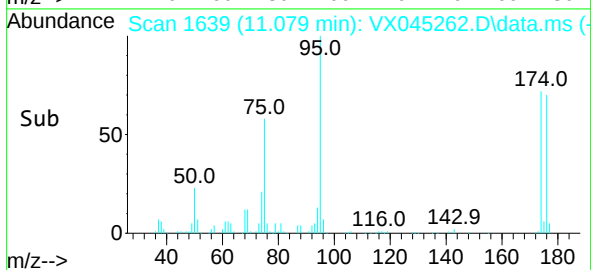
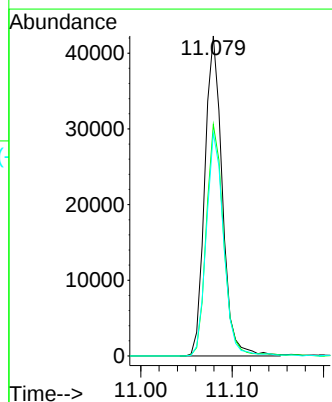
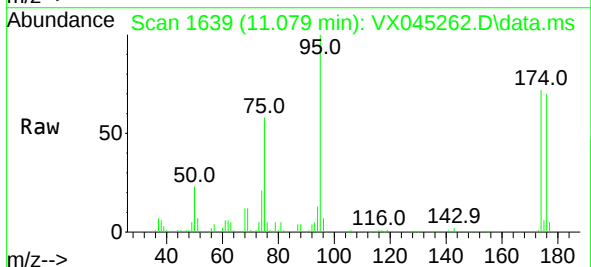
Instrument :
MSVOA_X
ClientSampleId :

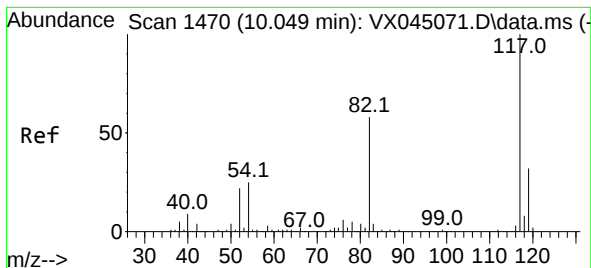
Tgt Ion: 98 Resp: 163846
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 53.119 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045262.D
Acq: 13 Mar 2025 12:27

Tgt Ion: 95 Resp: 55976
Ion Ratio Lower Upper
95 100
174 71.5 0.0 148.2
176 69.2 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: VX045262.D

Acq: 13 Mar 2025 12:27

Instrument :

MSVOA_X

ClientSampleId :

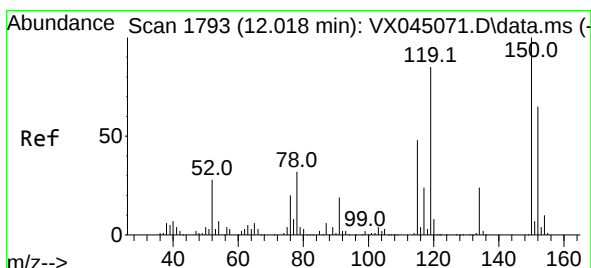
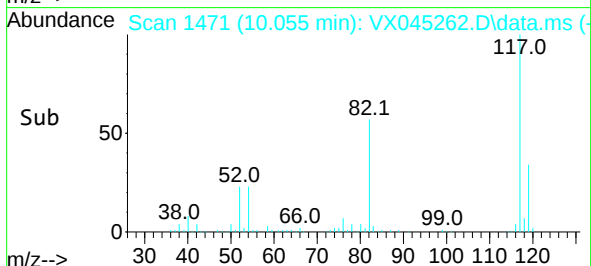
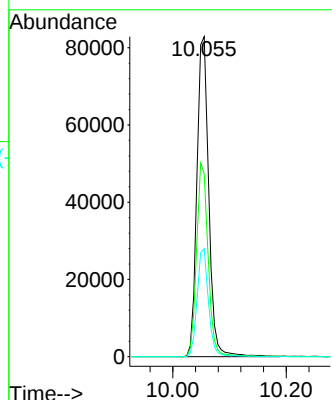
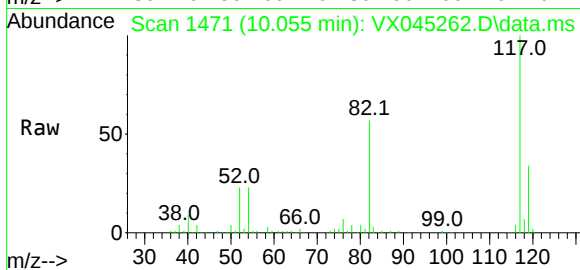
Tgt Ion:117 Resp: 120316

Ion Ratio Lower Upper

117 100

82 57.2 46.3 69.5

119 33.7 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: VX045262.D

Acq: 13 Mar 2025 12:27

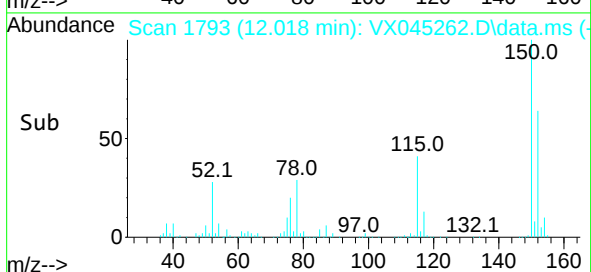
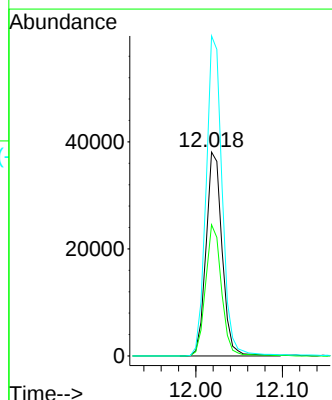
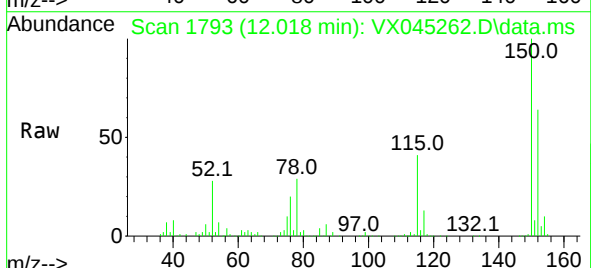
Tgt Ion:152 Resp: 49080

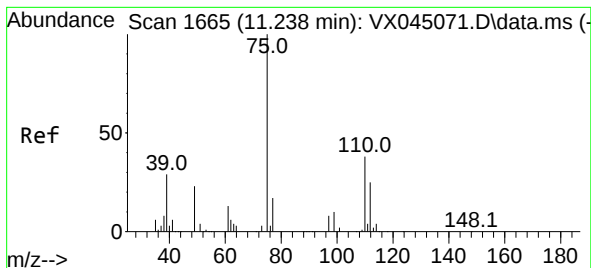
Ion Ratio Lower Upper

152 100

115 63.8 44.2 132.6

150 158.4 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 27.476 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045262.D

Acq: 13 Mar 2025 12:27

Instrument :

MSVOA_X

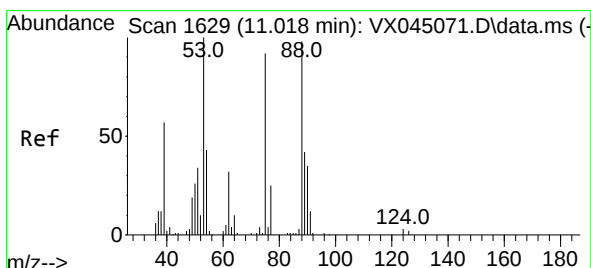
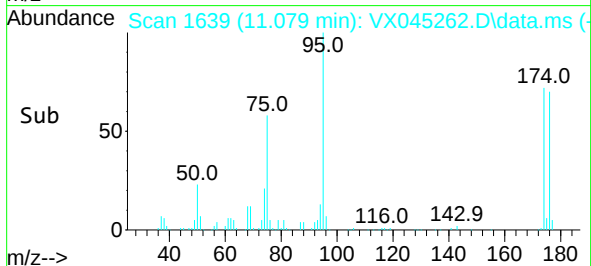
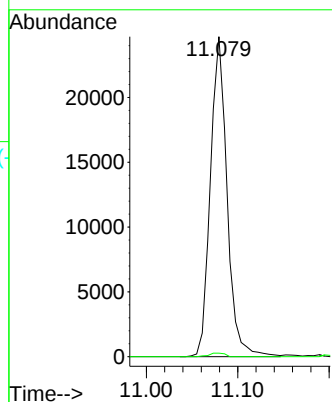
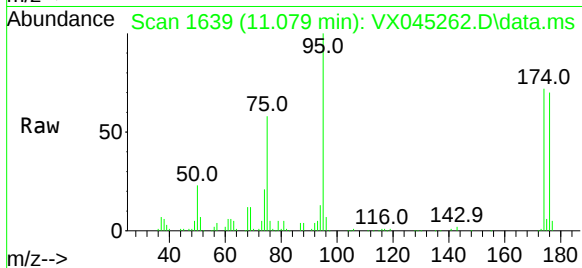
ClientSampleId :

Tgt Ion: 75 Resp: 31387

Ion Ratio Lower Upper

75 100

77 1.1 20.7 62.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.028 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045262.D

Acq: 13 Mar 2025 12:27

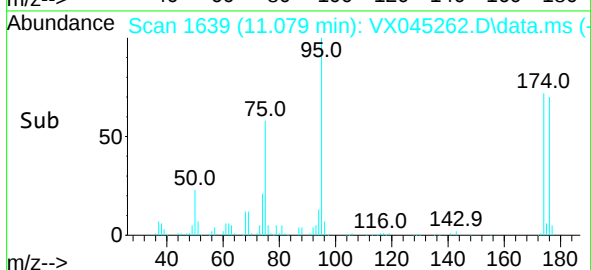
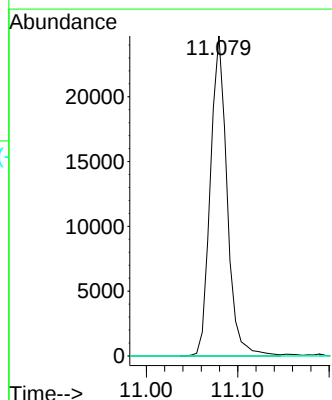
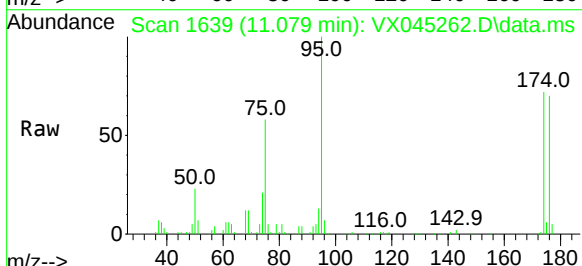
Tgt Ion: 75 Resp: 31387

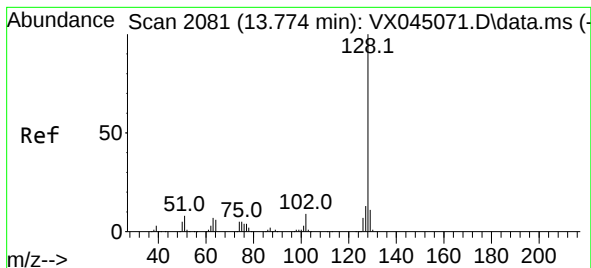
Ion Ratio Lower Upper

75 100

53 0.0 88.5 132.7#

89 0.0 36.2 54.4#





#95

Naphthalene

Concen: 0.357 ug/l

RT: 13.792 min Scan# 2084

Delta R.T. 0.018 min

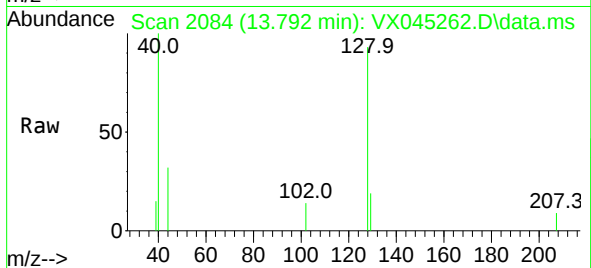
Lab File: VX045262.D

Acq: 13 Mar 2025 12:27

Instrument :

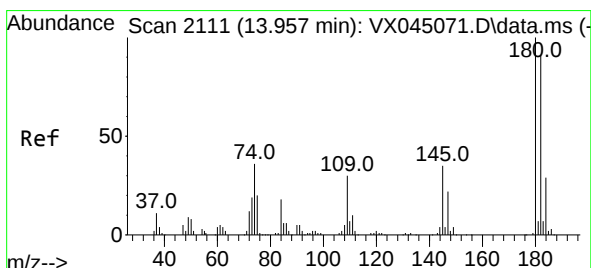
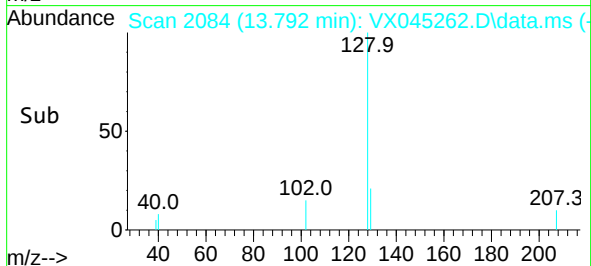
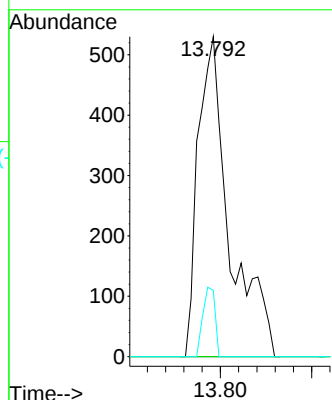
MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 1265

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	8.3	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.232 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX045262.D

Acq: 13 Mar 2025 12:27

Tgt Ion:180 Resp: 225

Ion	Ratio	Lower	Upper
180	100		
182	101.8	47.5	142.6
145	12.0	17.0	50.9#

