

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045151.D
 Acq On : 05 Mar 2025 18:38
 Operator : JC/MD
 Sample : Q1488-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-104-GW01

Quant Time: Mar 06 01:11:20 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)

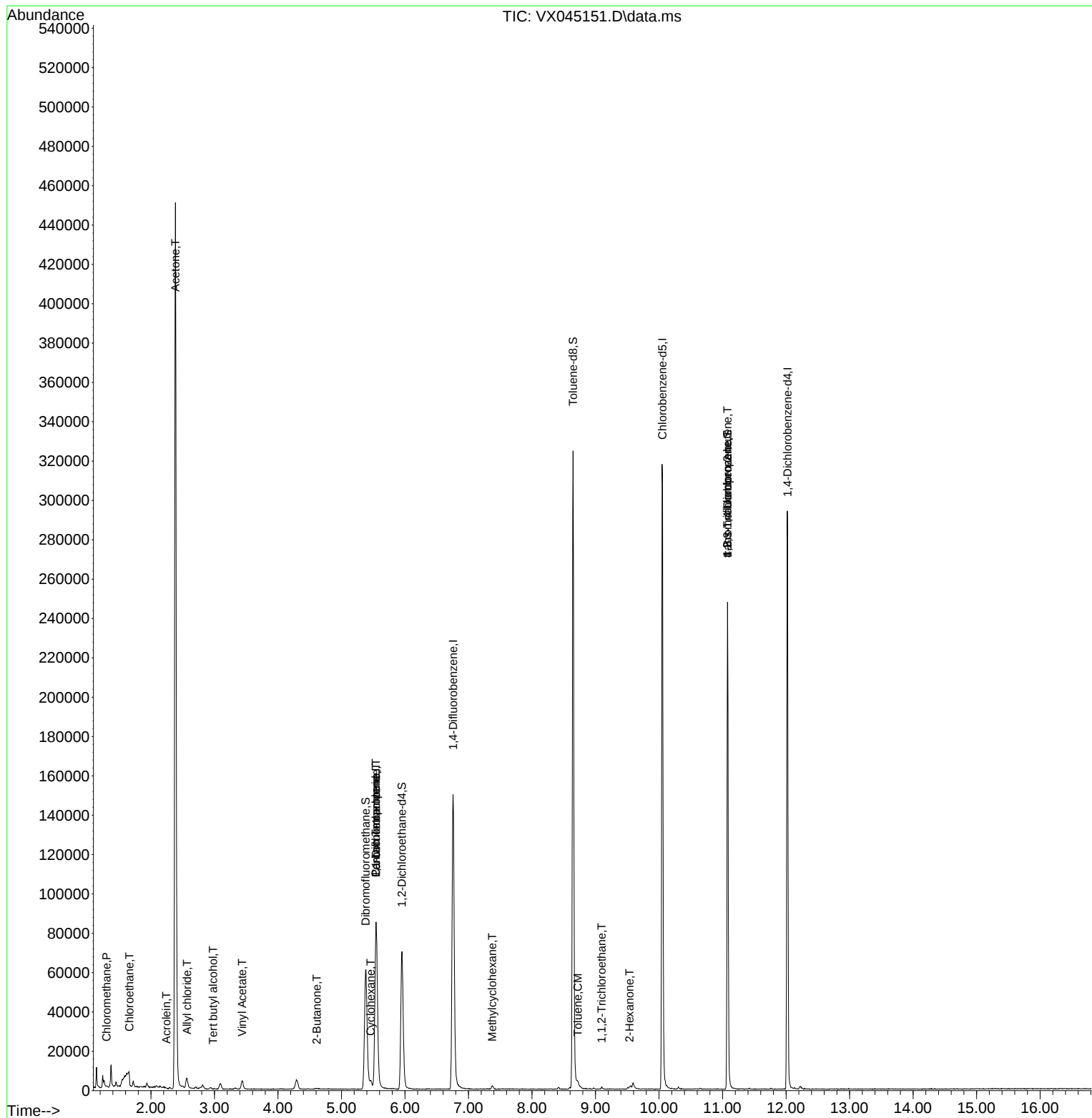
Internal Standards						
1) Pentafluorobenzene	5.543	168	79416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	156296	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65462	51.821	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.640%	
35) Dibromofluoromethane	5.379	113	53404	51.099	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.200%	
50) Toluene-d8	8.646	98	193262	51.008	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.020%	
62) 4-Bromofluorobenzene	11.079	95	64393	51.288	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.580%	
Target Compounds						Qvalue
3) Chloromethane	1.300	50	270	0.221	ug/l #	72
6) Chloroethane	1.660	64	294	0.525	ug/l #	87
11) Tert butyl alcohol	2.977	59	77	0.322	ug/l #	73
13) Acrolein	2.239	56	115	0.416	ug/l #	15
14) Allyl chloride	2.568	41	840	0.484	ug/l #	70
16) Acetone	2.385	43	485114	827.700	ug/l	99
23) Vinyl Acetate	3.434	43	1091	0.370	ug/l #	57
25) 2-Butanone	4.611	43	1161	1.316	ug/l #	50
31) Cyclohexane	5.458	56	2244	1.306	ug/l	98
36) 1,1-Dichloropropene	5.543	75	7088	4.945	ug/l #	50
38) Carbon Tetrachloride	5.543	117	8620	5.924	ug/l #	16
39) Methylcyclohexane	7.372	83	675	0.393	ug/l #	85
52) Toluene	8.720	92	822	0.310	ug/l #	63
55) 1,1,2-Trichloroethane	9.098	97	436	0.399	ug/l #	15
59) 2-Hexanone	9.537	43	335	0.252	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	35010	25.156	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35010	86.089	ug/l #	6

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

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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

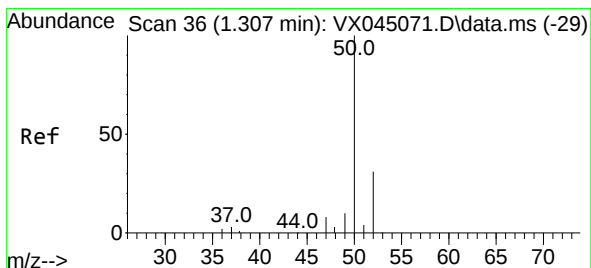
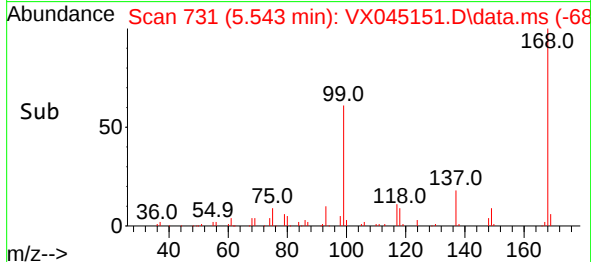
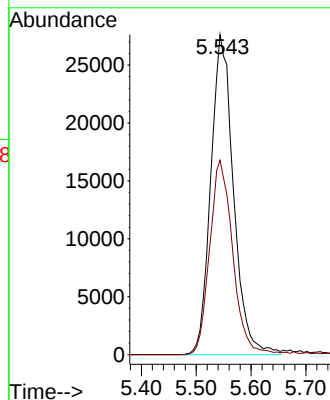
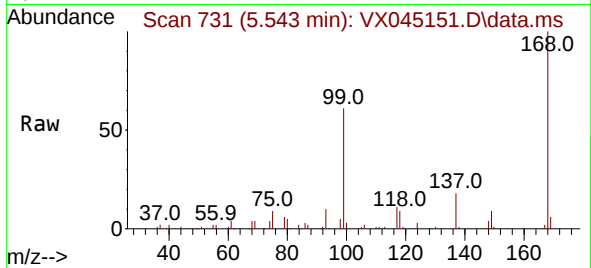




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

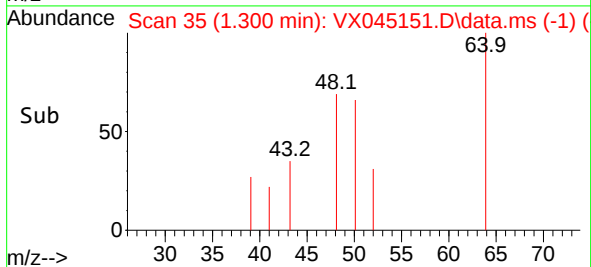
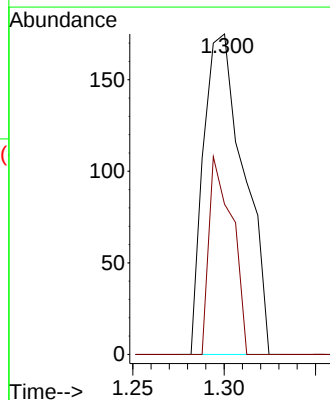
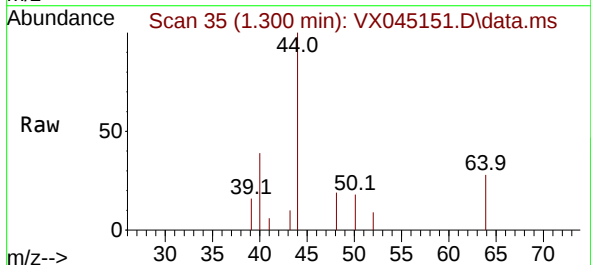
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

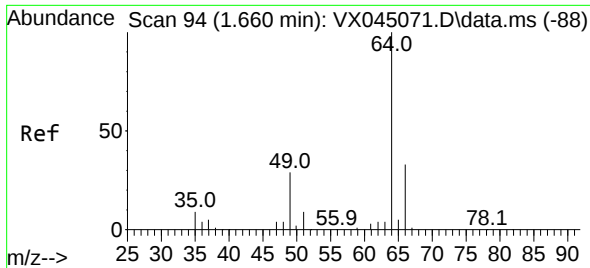
Tgt Ion:168 Resp: 79416
Ion Ratio Lower Upper
168 100
99 60.8 48.2 72.4



#3
Chloromethane
Concen: 0.221 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.007 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion: 50 Resp: 270
Ion Ratio Lower Upper
50 100
52 46.9 25.0 37.4#

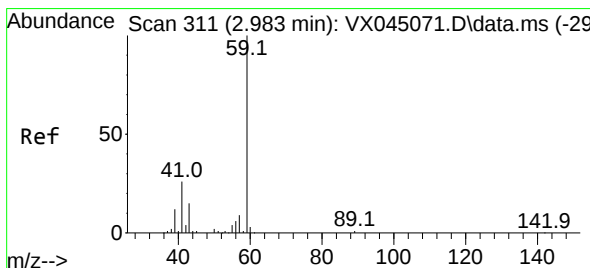
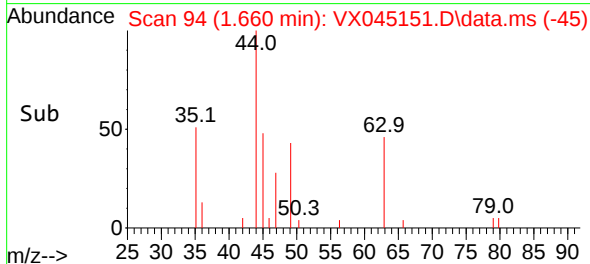
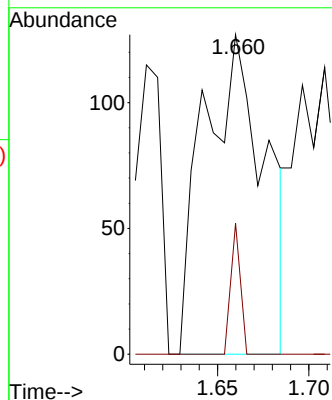
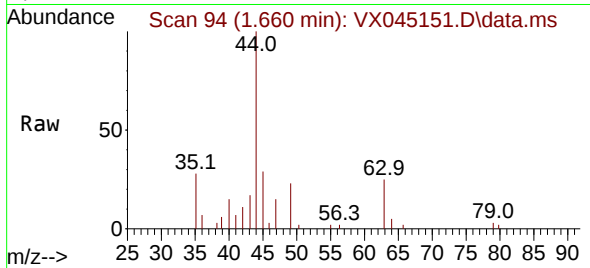




#6
Chloroethane
Concen: 0.525 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

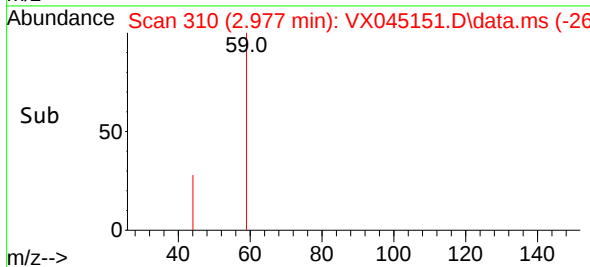
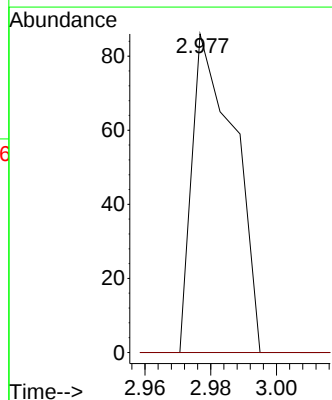
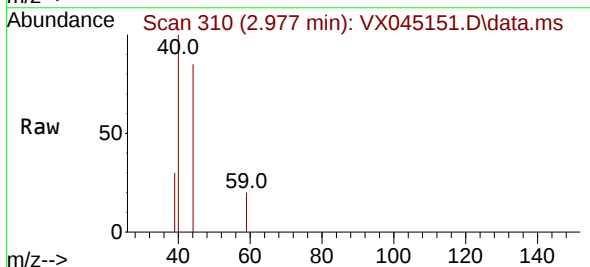
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

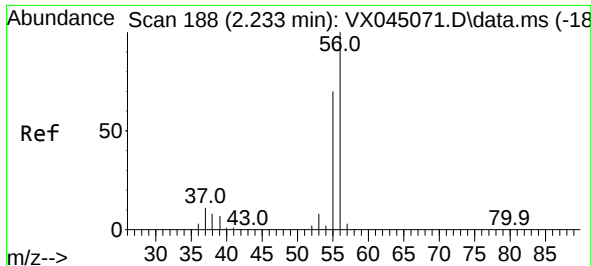
Tgt Ion: 64 Resp: 294
Ion Ratio Lower Upper
64 100
66 40.9 26.7 40.1#



#11
Tert butyl alcohol
Concen: 0.322 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.007 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

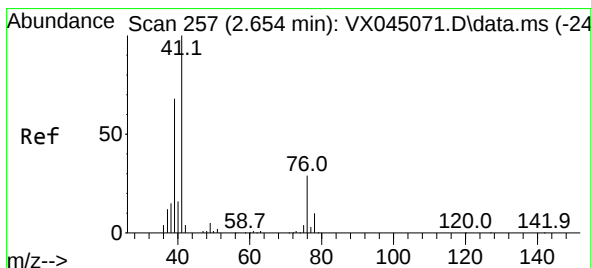
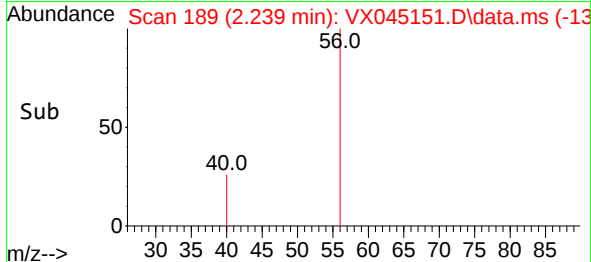
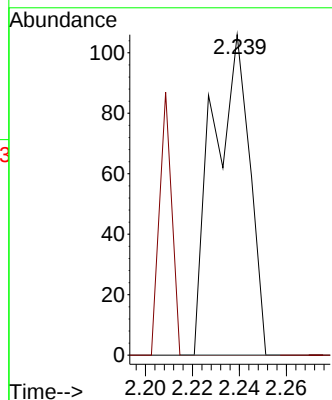
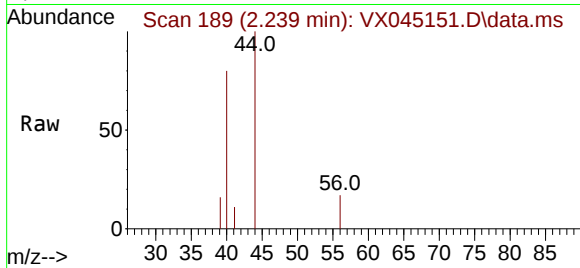




#13
Acrolein
Concen: 0.416 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

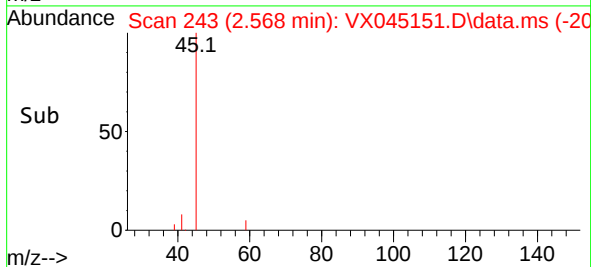
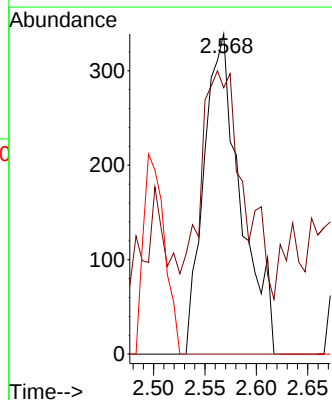
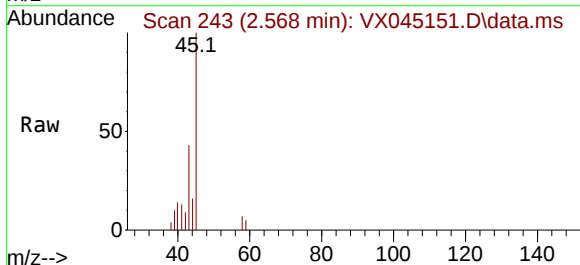
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

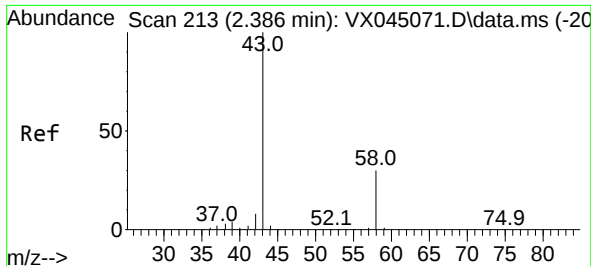
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#14
Allyl chloride
Concen: 0.484 ug/l
RT: 2.568 min Scan# 243
Delta R.T. -0.086 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion: 41 Resp: 840
Ion Ratio Lower Upper
41 100
39 81.7 53.8 80.8#
76 0.0 25.2 37.8#

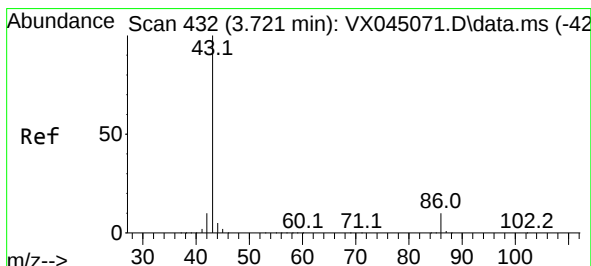
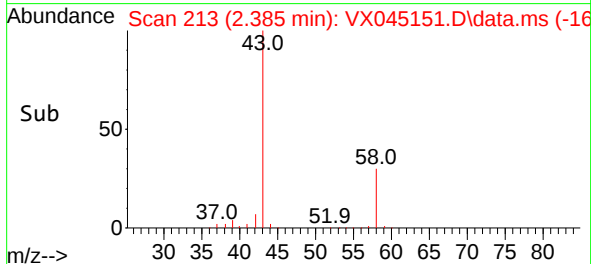
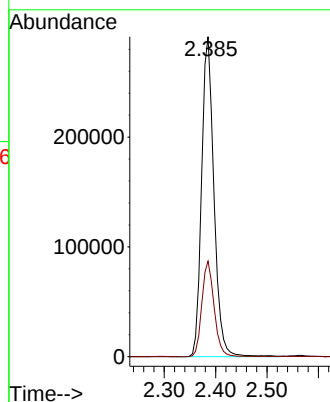
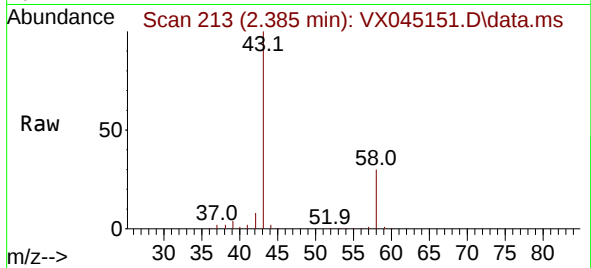




#16
Acetone
Concen: 827.700 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

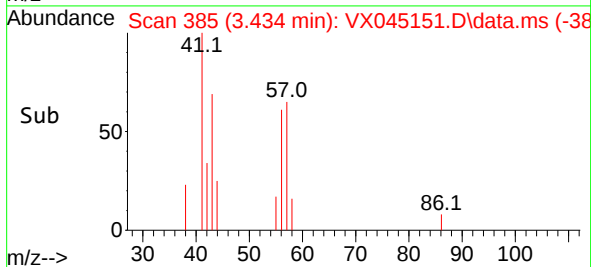
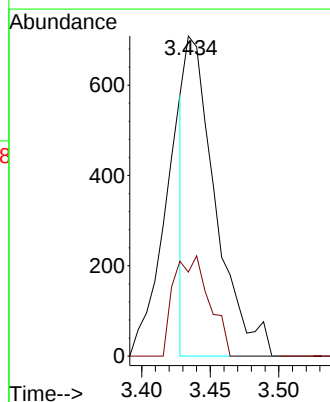
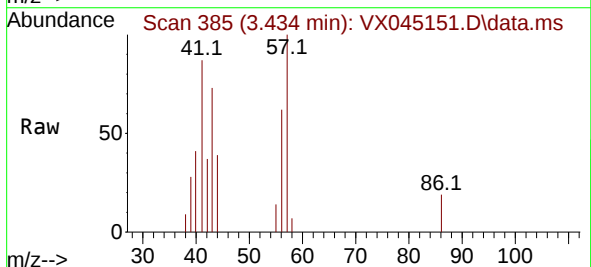
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

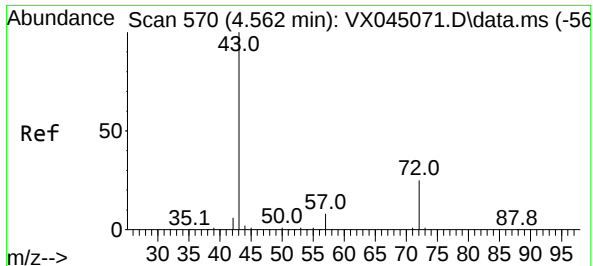
Tgt Ion: 43 Resp: 485114
Ion Ratio Lower Upper
43 100
58 29.9 24.2 36.4



#23
Vinyl Acetate
Concen: 0.370 ug/l
RT: 3.434 min Scan# 385
Delta R.T. -0.287 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
86 26.2 8.1 12.1#

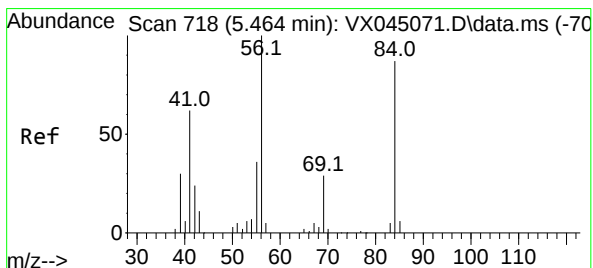
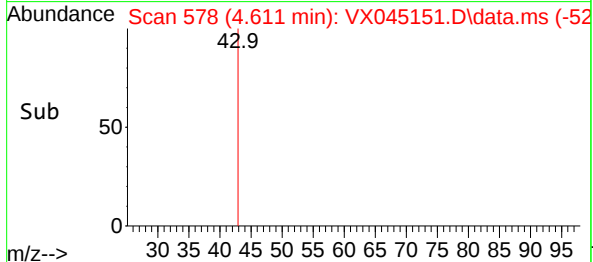
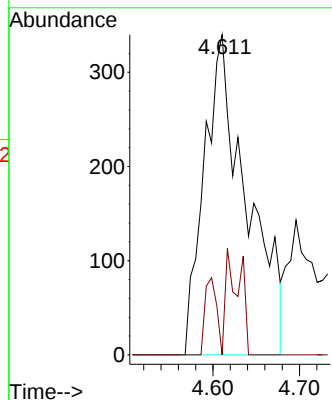
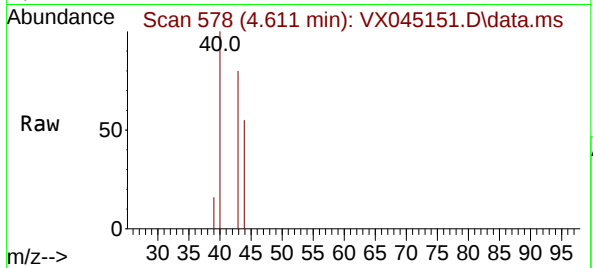




#25
2-Butanone
Concen: 1.316 ug/l
RT: 4.611 min Scan# 511
Delta R.T. 0.048 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

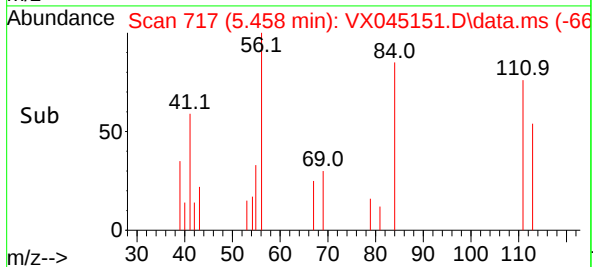
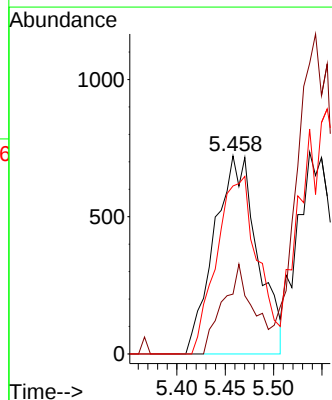
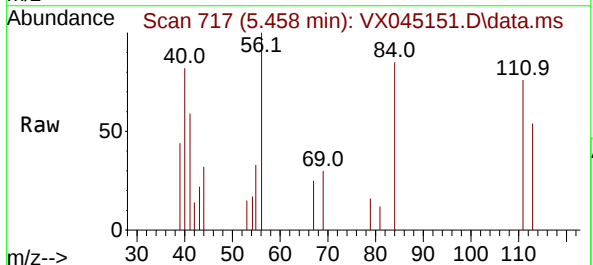
Instrument :
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ClientSampleId :
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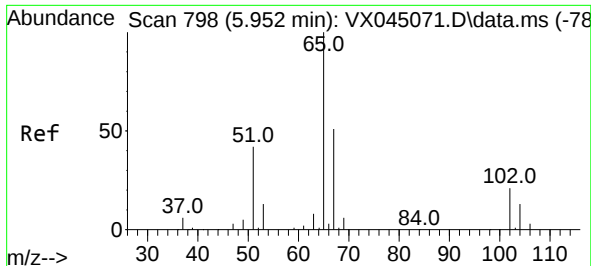
Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
72 0.0 20.0 30.0#



#31
Cyclohexane
Concen: 1.306 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion: 56 Resp: 2244
Ion Ratio Lower Upper
56 100
69 30.2 23.4 35.2
84 84.8 69.4 104.2

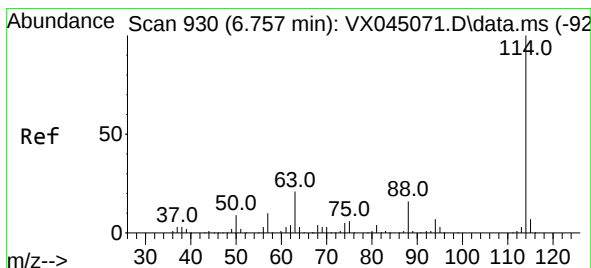
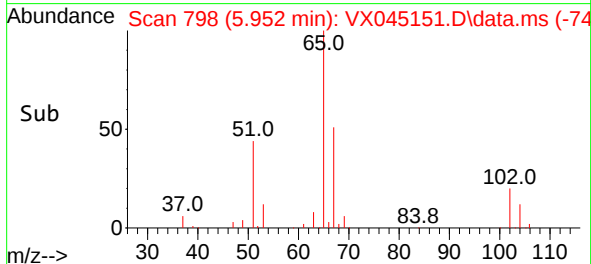
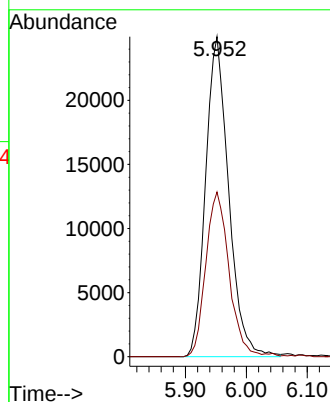
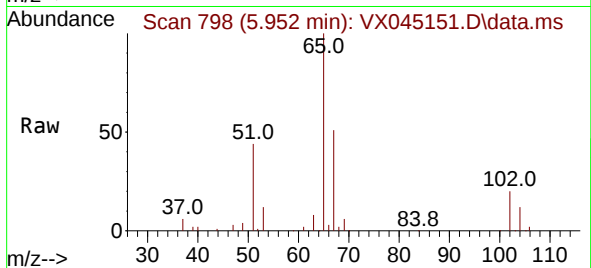




#33
 1,2-Dichloroethane-d4
 Concen: 51.821 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045151.D
 Acq: 05 Mar 2025 18:38

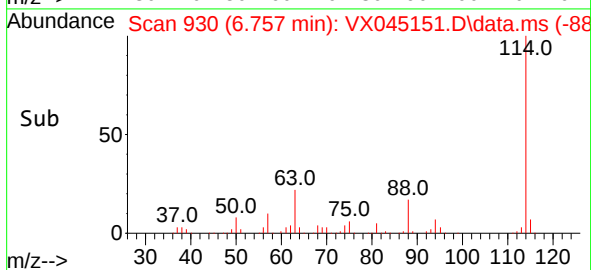
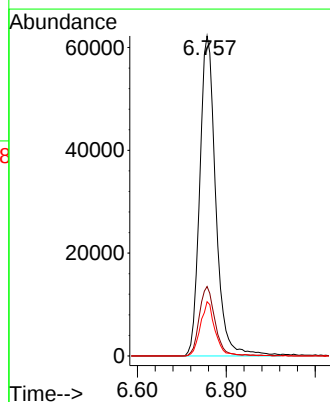
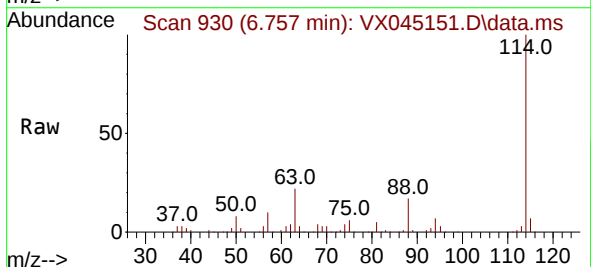
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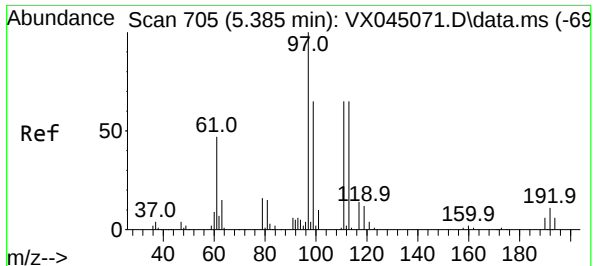
Tgt Ion: 65 Resp: 65462
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045151.D
 Acq: 05 Mar 2025 18:38

Tgt Ion: 114 Resp: 156296
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.8
 88 16.9 0.0 32.8

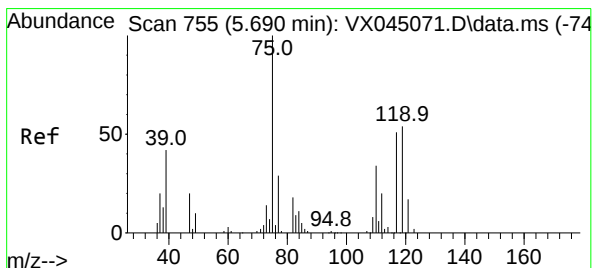
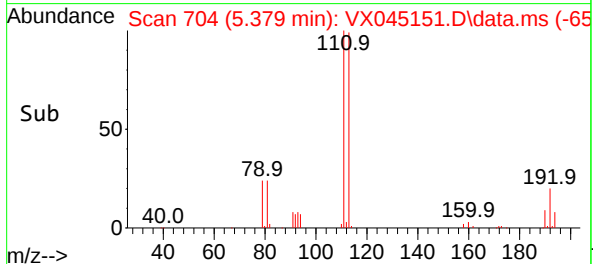
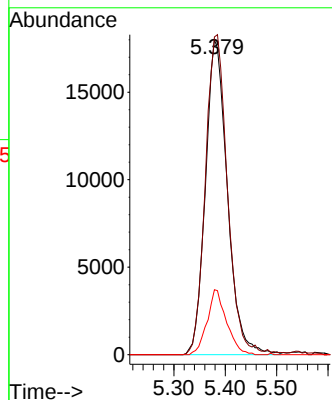
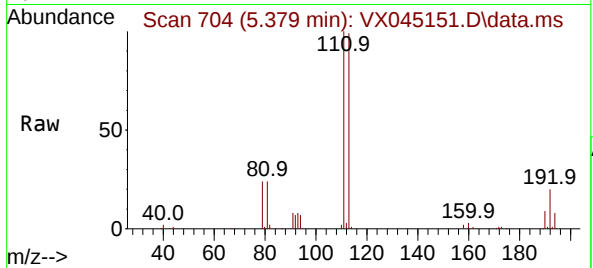




#35
Dibromofluoromethane
Concen: 51.099 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

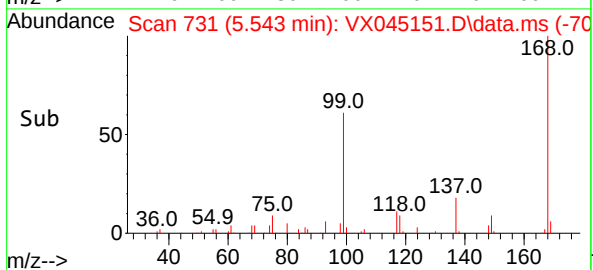
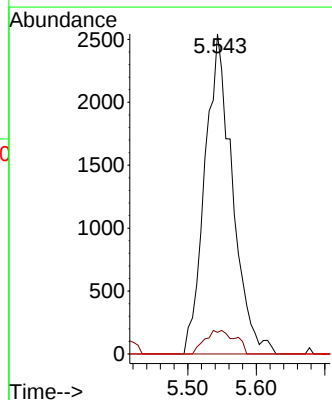
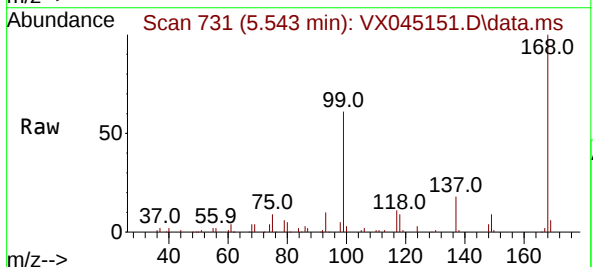
Instrument :
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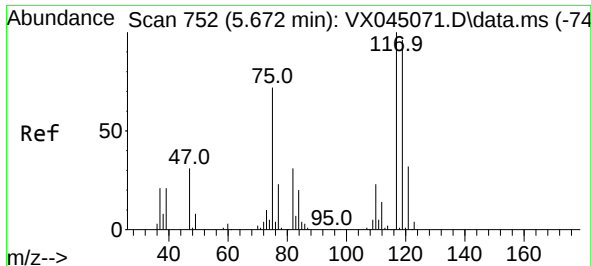
Tgt Ion:113 Resp: 53404
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 18.3 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.945 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

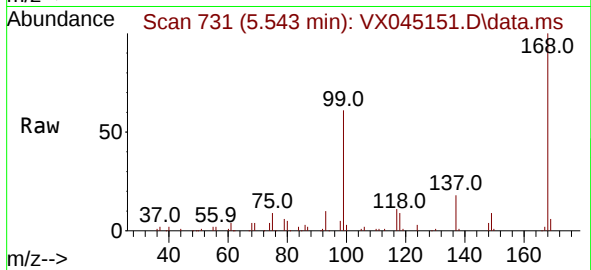
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Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 24.5 36.7#



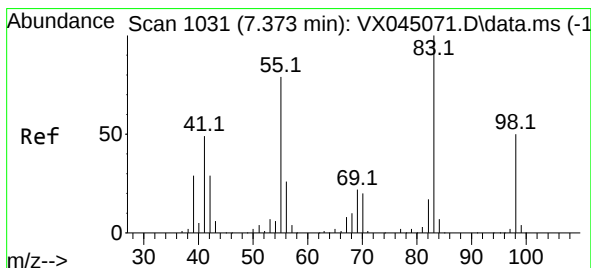
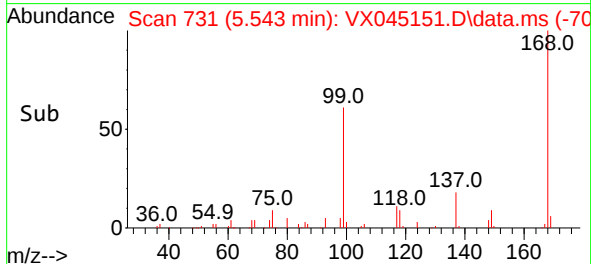
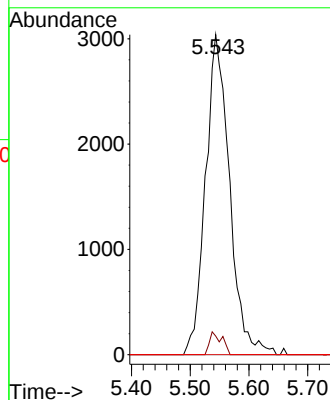


#38
Carbon Tetrachloride
Concen: 5.924 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

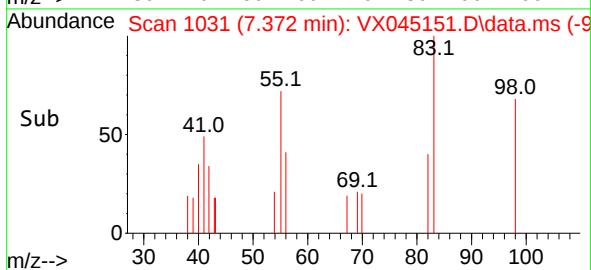
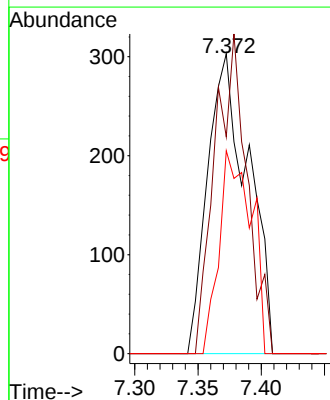
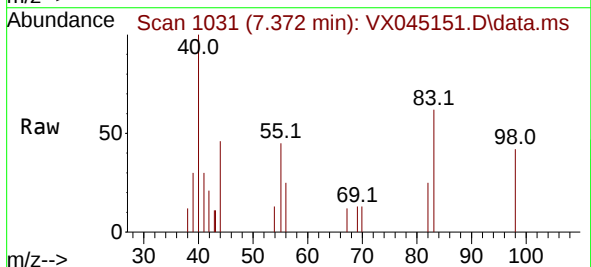


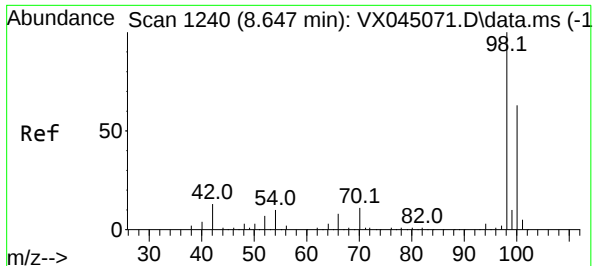
Tgt Ion:117 Resp: 8620
Ion Ratio Lower Upper
117 100
119 5.8 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 0.393 ug/l
RT: 7.372 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion: 83 Resp: 675
Ion Ratio Lower Upper
83 100
55 72.3 63.0 94.4
98 67.7 39.7 59.5#

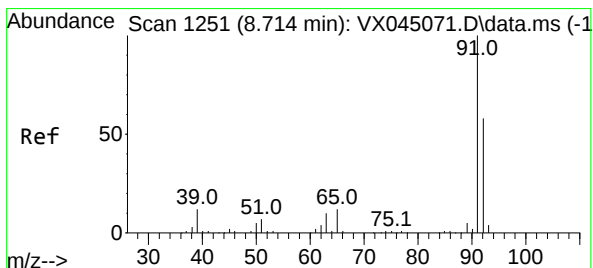
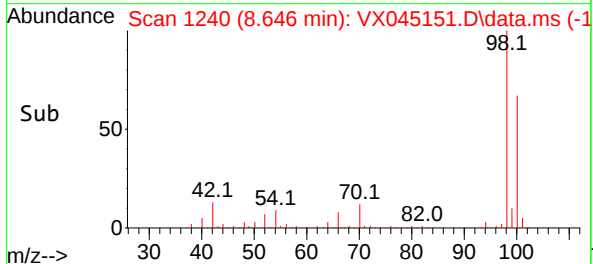
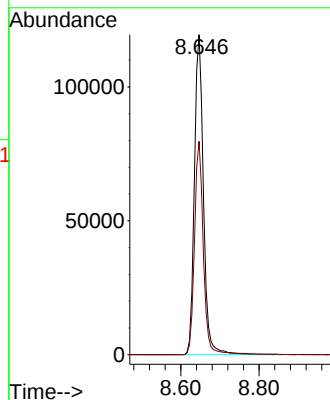
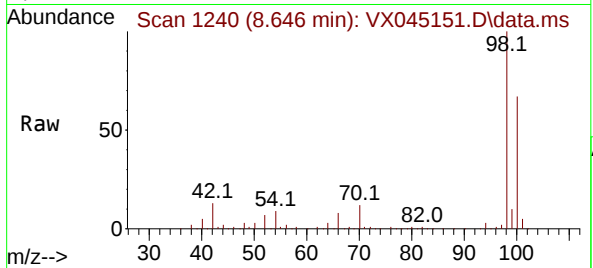




#50
Toluene-d8
Concen: 51.008 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

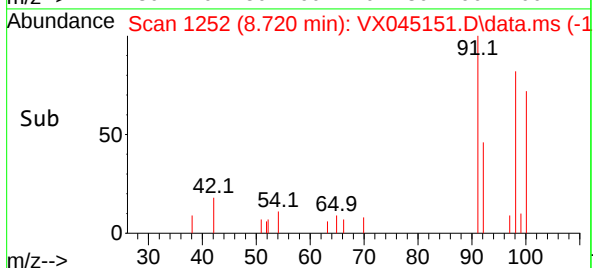
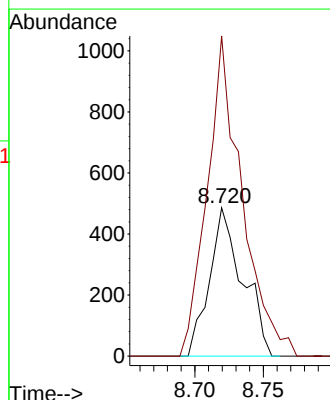
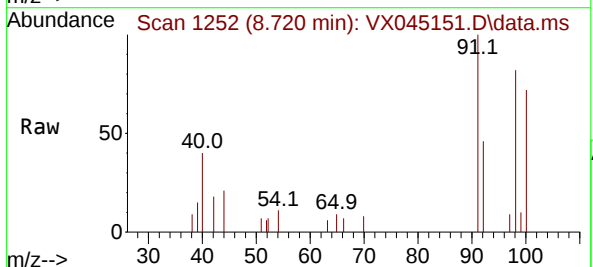
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

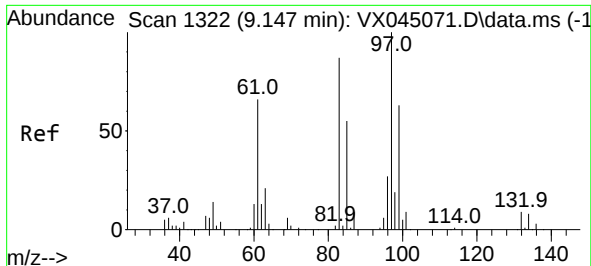
Tgt Ion: 98 Resp: 193262
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#52
Toluene
Concen: 0.310 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion: 92 Resp: 822
Ion Ratio Lower Upper
92 100
91 225.3 138.9 208.3#





#55

1,1,2-Trichloroethane

Concen: 0.399 ug/l

RT: 9.098 min Scan# 1

Delta R.T. -0.049 min

Lab File: VX045151.D

Acq: 05 Mar 2025 18:38

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-GW01

Tgt Ion: 97 Resp: 436

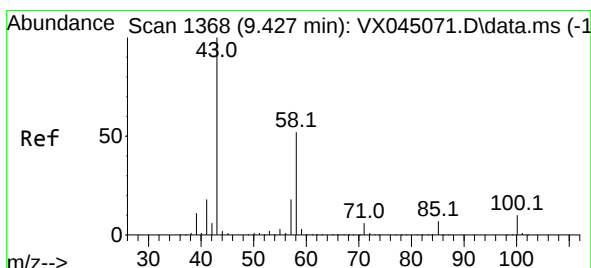
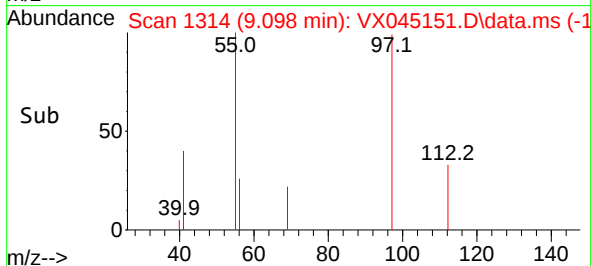
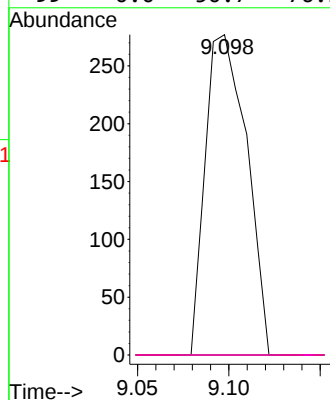
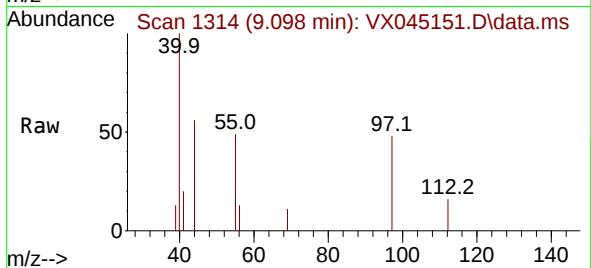
Ion Ratio Lower Upper

97 100

83 0.0 69.4 104.2#

85 0.0 44.1 66.1#

99 0.0 50.7 76.1#



#59

2-Hexanone

Concen: 0.252 ug/l

RT: 9.537 min Scan# 1386

Delta R.T. 0.109 min

Lab File: VX045151.D

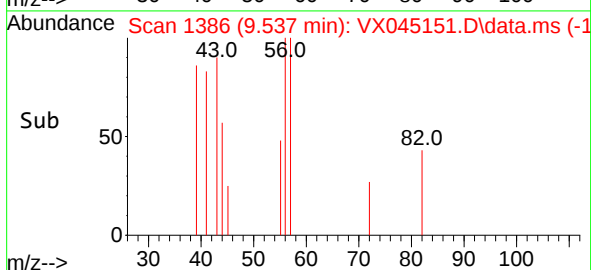
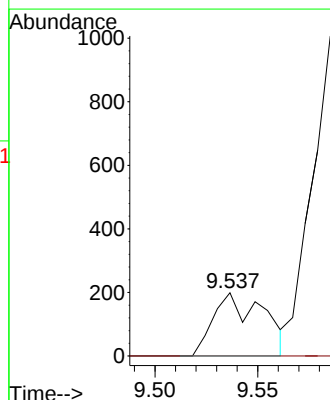
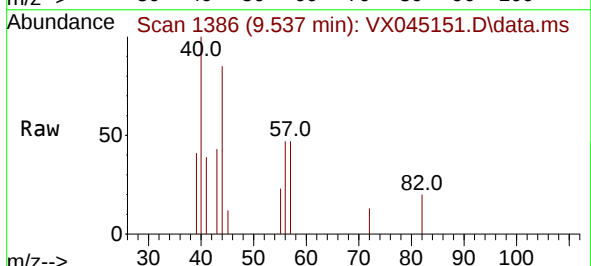
Acq: 05 Mar 2025 18:38

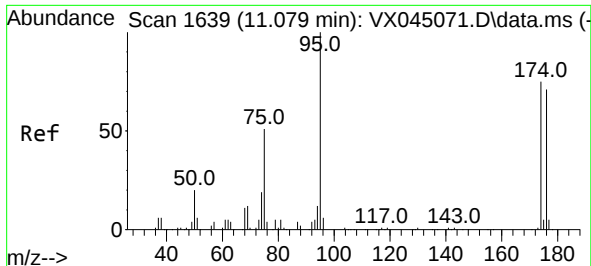
Tgt Ion: 43 Resp: 335

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#





#62

4-Bromofluorobenzene

Concen: 51.288 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045151.D

Acq: 05 Mar 2025 18:38

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-GW01

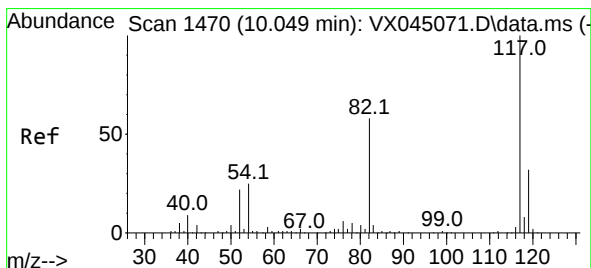
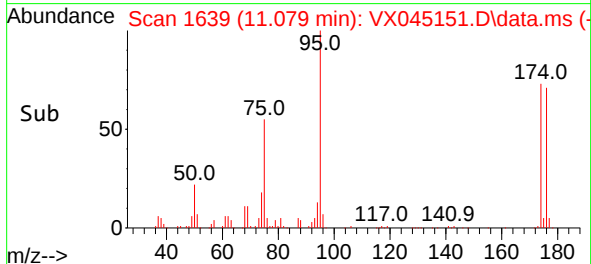
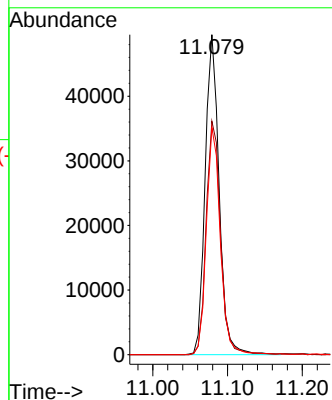
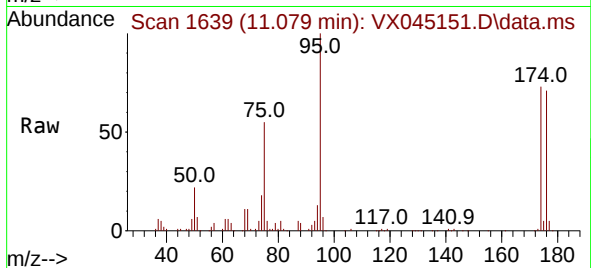
Tgt Ion: 95 Resp: 64393

Ion Ratio Lower Upper

95 100

174 75.2 0.0 148.2

176 71.0 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX045151.D

Acq: 05 Mar 2025 18:38

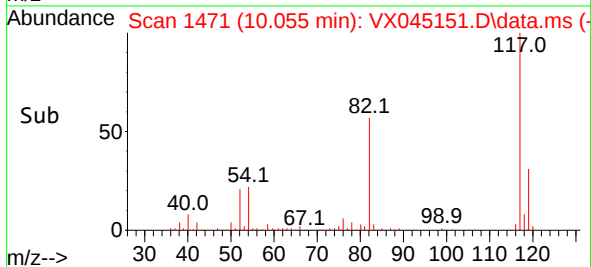
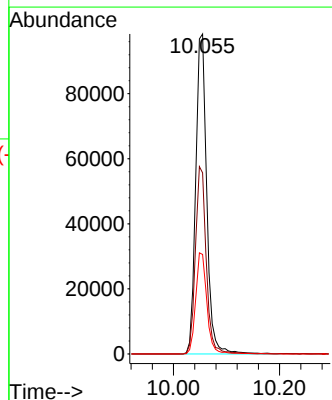
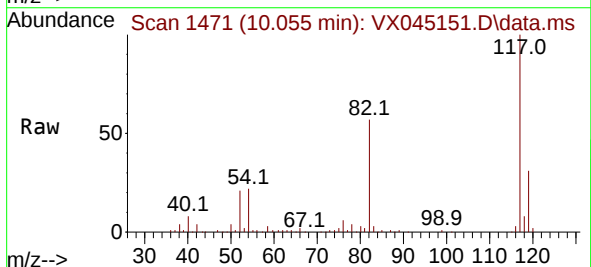
Tgt Ion: 117 Resp: 141923

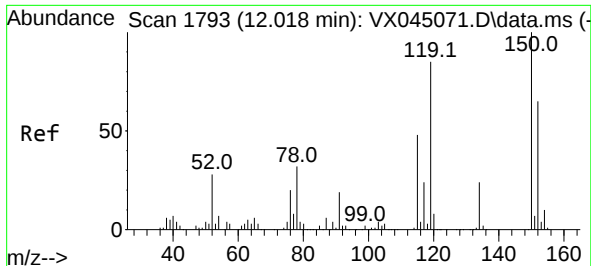
Ion Ratio Lower Upper

117 100

82 56.6 46.3 69.5

119 31.1 25.7 38.5

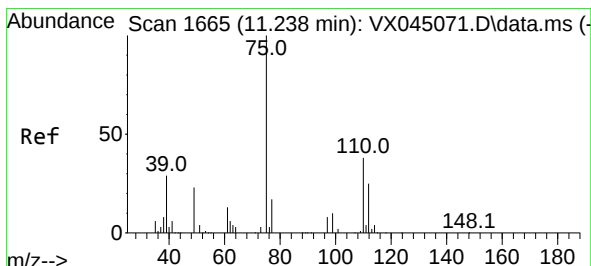
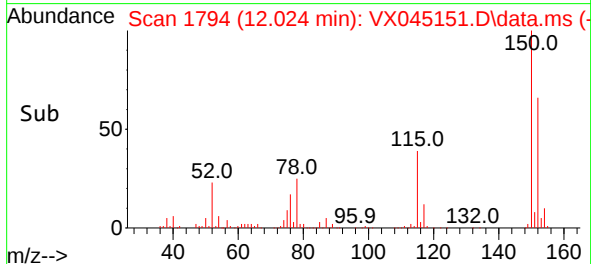
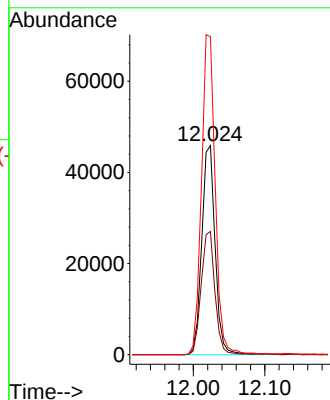
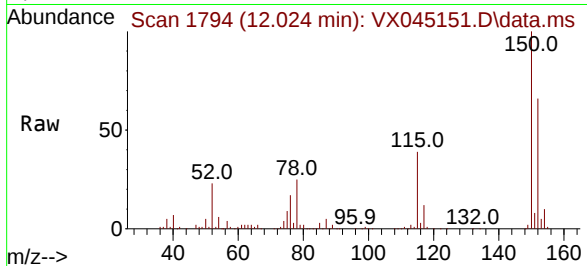




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX045151.D
 Acq: 05 Mar 2025 18:38

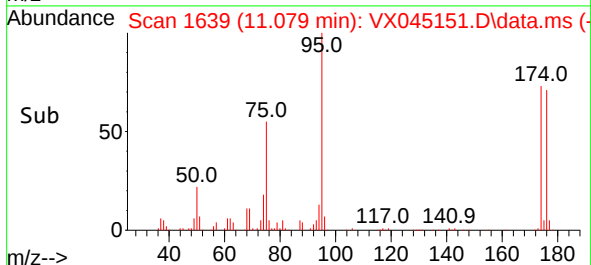
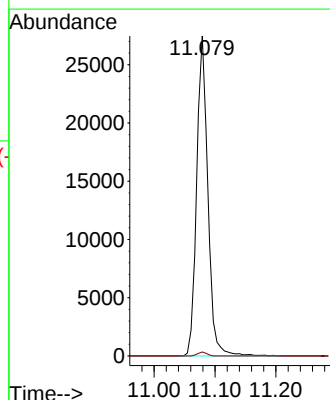
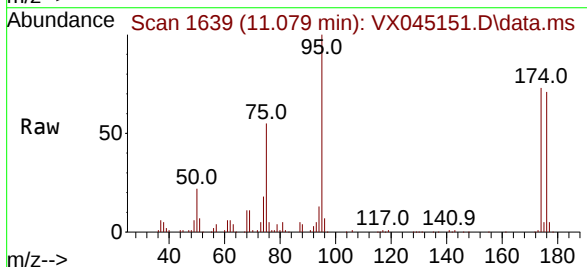
Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-104-GW01

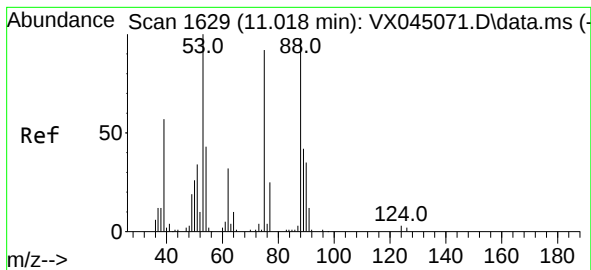
Tgt Ion:152 Resp: 59794
 Ion Ratio Lower Upper
 152 100
 115 60.4 44.2 132.6
 150 157.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.156 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045151.D
 Acq: 05 Mar 2025 18:38

Tgt Ion: 75 Resp: 35010
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.089 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX045151.D
 Acq: 05 Mar 2025 18:38

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-104-GW01

Tgt Ion: 75 Resp: 35010
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

