

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046698.D
 Acq On : 13 Jun 2025 18:29
 Operator : JC/MD
 Sample : Q2301-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-URBAN-FILL-G

Quant Time: Jun 13 23:34:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

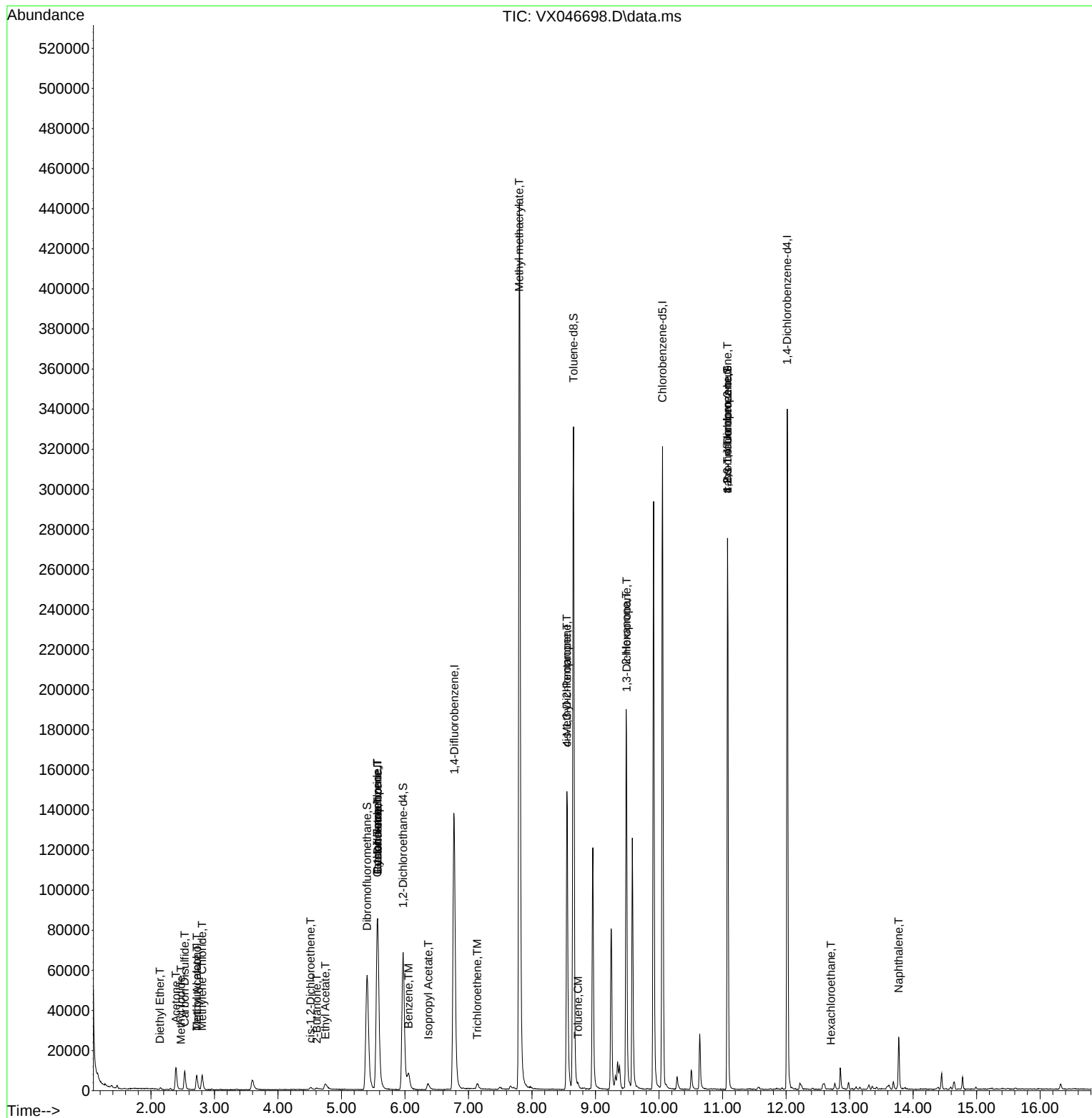
Internal Standards						
1) Pentafluorobenzene	5.568	168	81744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	146734	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	73346	50.434	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.860%			
35) Dibromofluoromethane	5.403	113	54802	50.786	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	8.653	98	193180	54.301	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.600%			
62) 4-Bromofluorobenzene	11.079	95	73646	50.034	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.060%			
Target Compounds					Qvalue	
8) Diethyl Ether	2.142	74	362	0.601	ug/l	59
10) Methyl Iodide	2.471	142	256	0.220	ug/l #	57
11) Tert butyl alcohol	2.721	59	843	5.224	ug/l #	72
16) Acetone	2.392	43	14837	30.097	ug/l	90
17) Carbon Disulfide	2.532	76	12706	6.343	ug/l	98
18) Methyl Acetate	2.721	43	10230	5.906	ug/l	100
20) Methylene Chloride	2.806	84	3324	2.849	ug/l	89
25) 2-Butanone	4.611	43	1273	1.572	ug/l	94
27) cis-1,2-Dichloroethene	4.513	96	523	0.414	ug/l	57
31) Cyclohexane	5.568	56	1890	1.118	ug/l #	18
36) 1,1-Dichloropropene	5.568	75	7343	4.764	ug/l #	52
37) Ethyl Acetate	4.745	43	5682	3.777	ug/l #	92
38) Carbon Tetrachloride	5.562	117	9634	5.580	ug/l #	19
40) Benzene	6.056	78	9247	2.131	ug/l	96
43) Isopropyl Acetate	6.367	43	4978	1.898	ug/l	96
44) Trichloroethene	7.135	130	1121	1.017	ug/l	91
48) Methyl methacrylate	7.799	41	43602	32.313	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	57109	34.267	ug/l #	51
52) Toluene	8.726	92	559	0.210	ug/l #	71
54) cis-1,3-Dichloropropene	8.549	75	24642	14.268	ug/l #	56
57) 1,3-Dichloropropane	9.488	76	1832	0.969	ug/l #	42
59) 2-Hexanone	9.482	43	24485	20.485	ug/l #	57
76) 1,2,3-Trichloropropane	11.079	75	39660	28.229	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	39660	81.431	ug/l #	1
90) Hexachloroethane	12.707	117	216	0.257	ug/l #	19
95) Naphthalene	13.774	128	16348	3.331	ug/l	100

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

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ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-URBAN-FILL-G

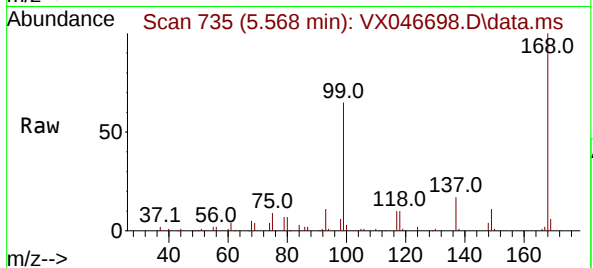
Quant Time: Jun 13 23:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
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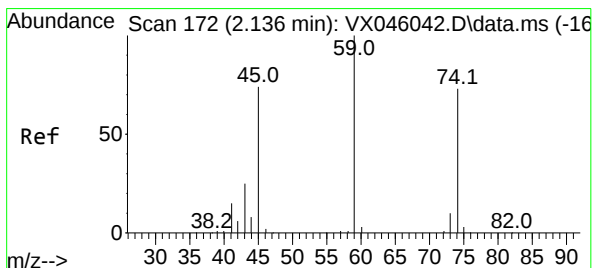
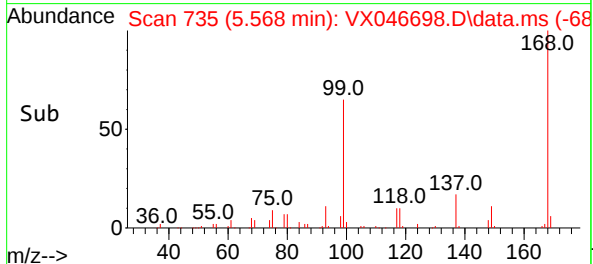
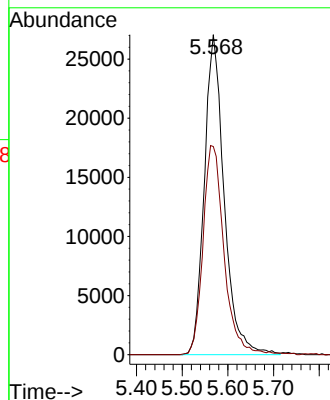


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
WC-URBAN-FILL-G

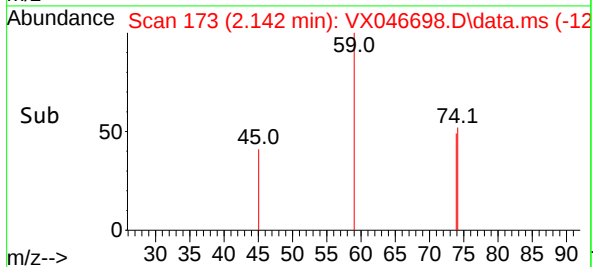
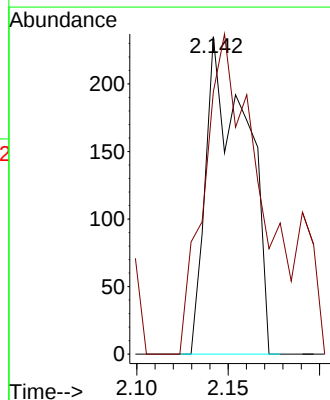
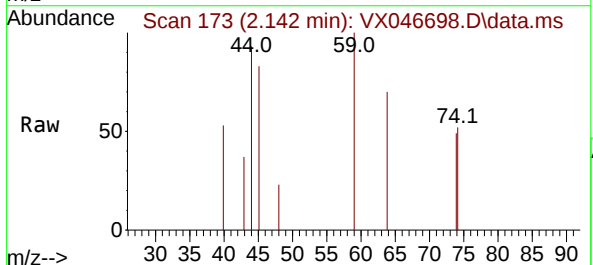


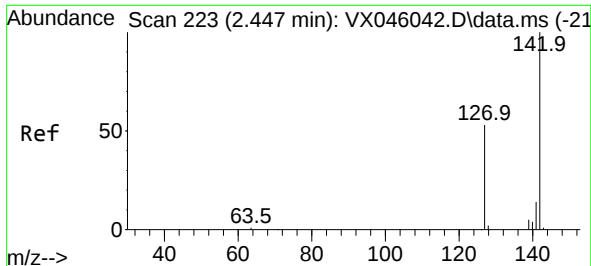
Tgt Ion:168 Resp: 81744
Ion Ratio Lower Upper
168 100
99 65.0 54.9 82.3



#8
Diethyl Ether
Concen: 0.601 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.012 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

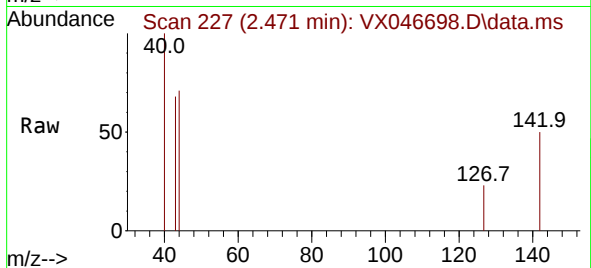
Tgt Ion: 74 Resp: 362
Ion Ratio Lower Upper
74 100
45 153.0 54.9 164.8



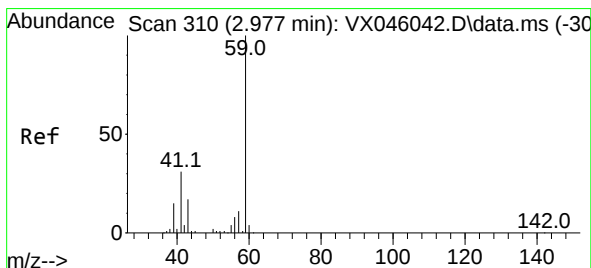
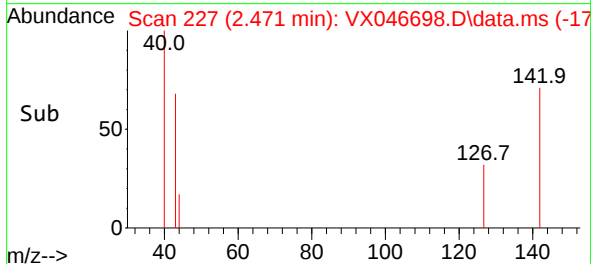
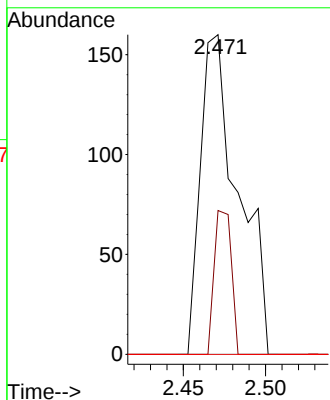


#10
Methyl Iodide
Concen: 0.220 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
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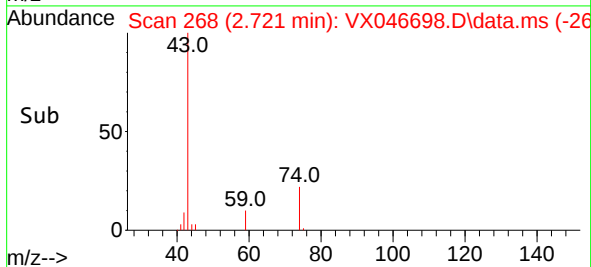
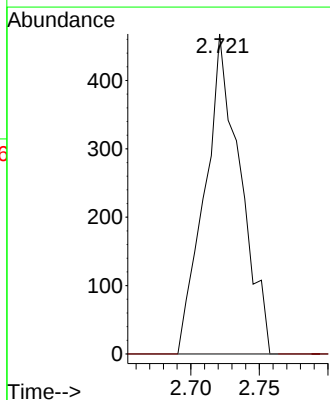
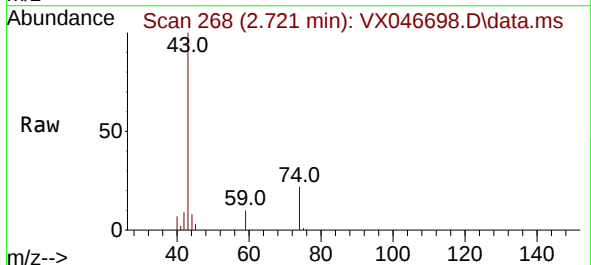


Tgt Ion:142 Resp: 256
Ion Ratio Lower Upper
142 100
127 20.3 41.7 62.5#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 5.224 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.250 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion: 59 Resp: 843
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

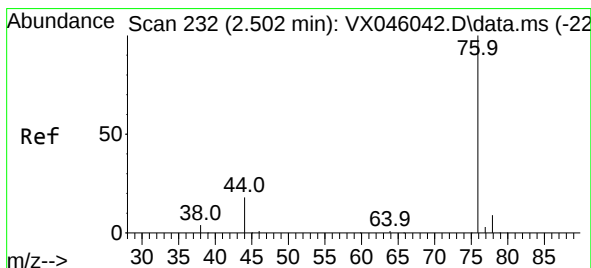
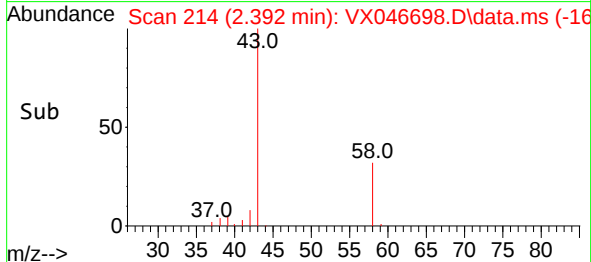
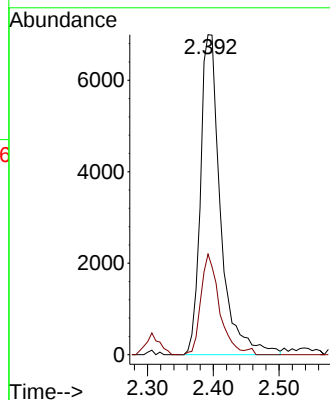
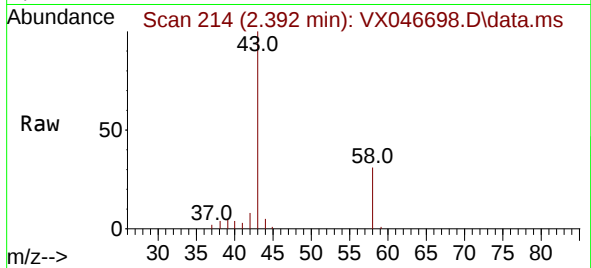




#16
Acetone
Concen: 30.097 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

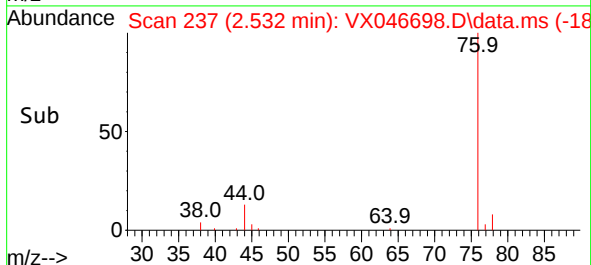
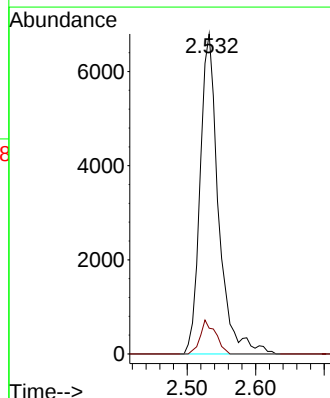
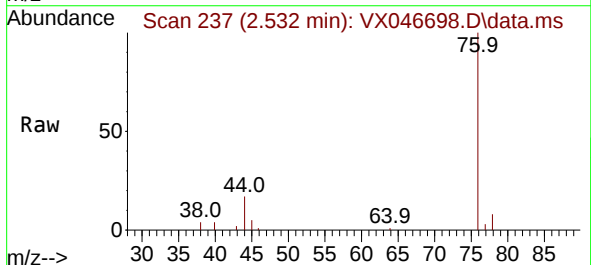
Instrument :
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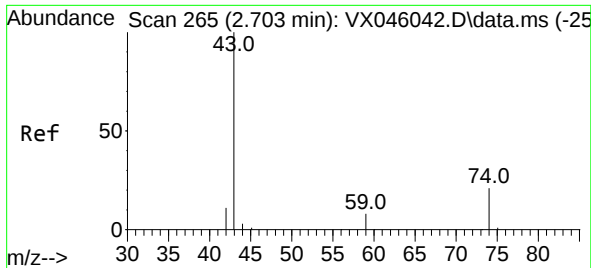
Tgt Ion: 43 Resp: 14837
Ion Ratio Lower Upper
43 100
58 31.4 21.2 31.8



#17
Carbon Disulfide
Concen: 6.343 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion: 76 Resp: 12706
Ion Ratio Lower Upper
76 100
78 8.0 7.0 10.4

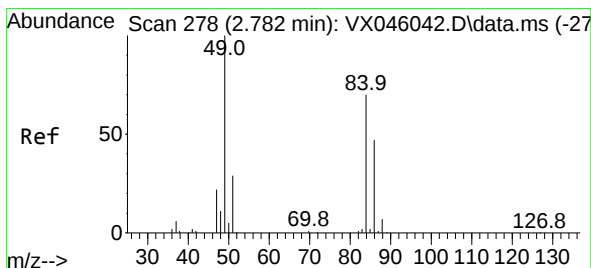
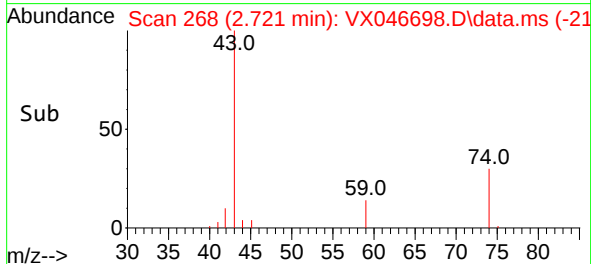
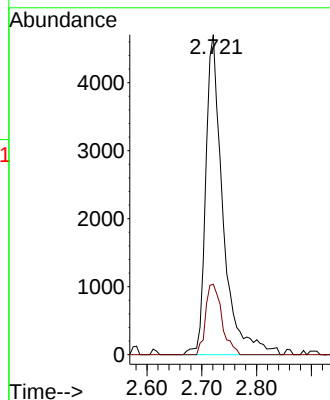
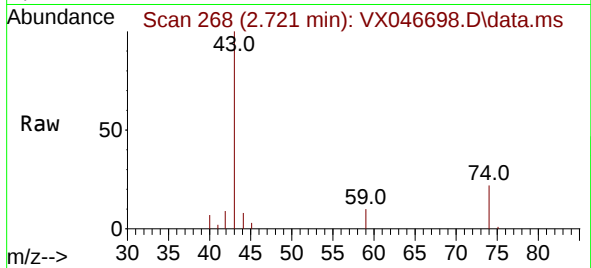




#18
Methyl Acetate
Concen: 5.906 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

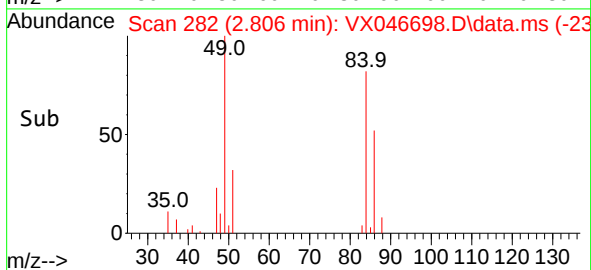
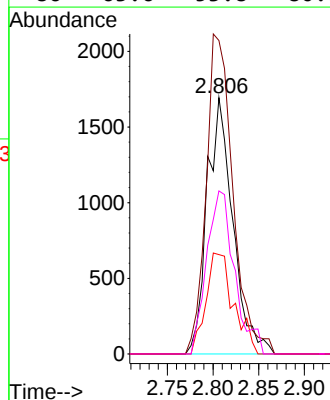
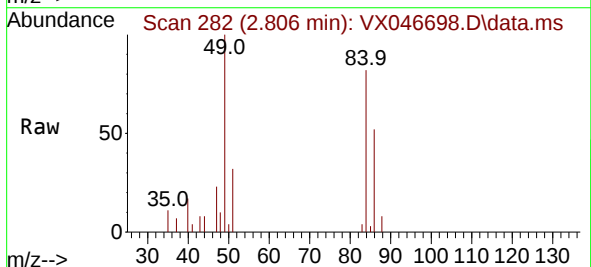
Instrument :
MSVOA_X
ClientSampleId :
WC-URBAN-FILL-G

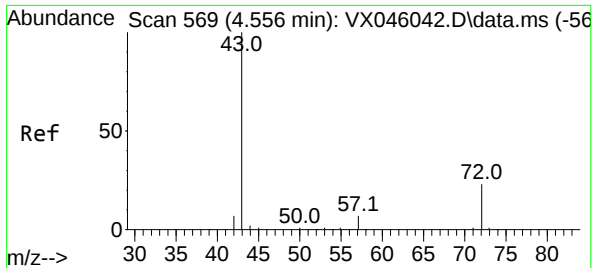
Tgt Ion: 43 Resp: 10230
Ion Ratio Lower Upper
43 100
74 20.8 16.7 25.1



#20
Methylene Chloride
Concen: 2.849 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion: 84 Resp: 3324
Ion Ratio Lower Upper
84 100
49 122.3 113.9 170.9
51 38.8 33.5 50.3
86 63.6 53.8 80.8

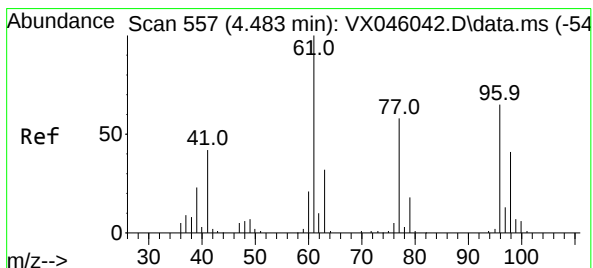
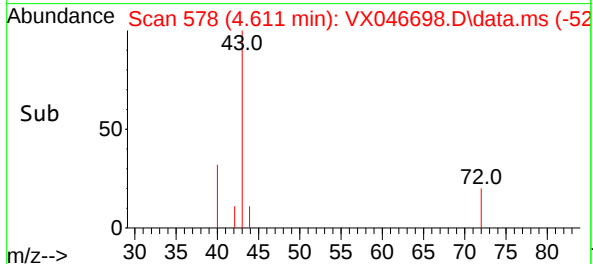
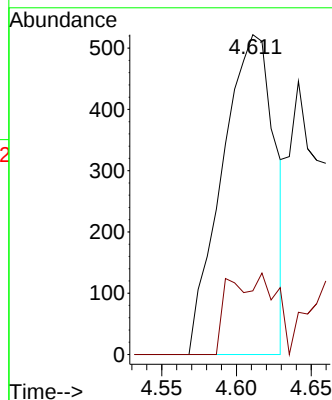
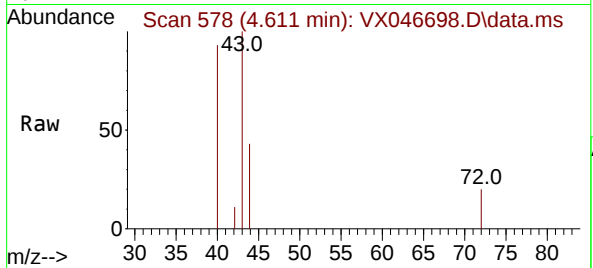




#25
2-Butanone
Concen: 1.572 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

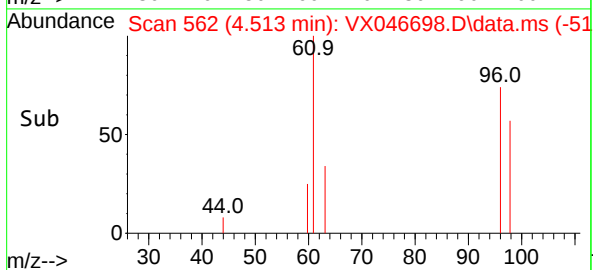
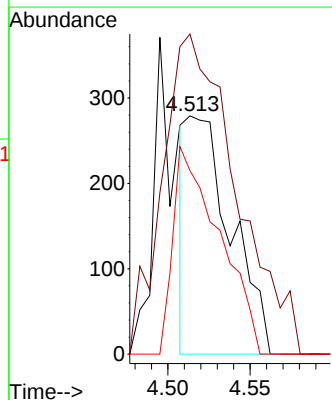
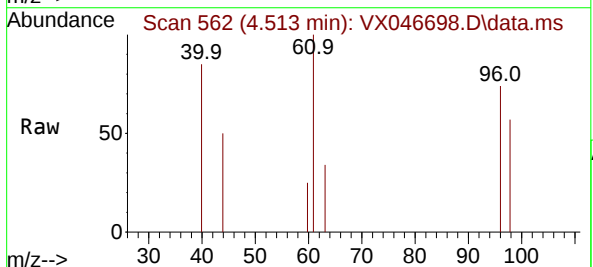
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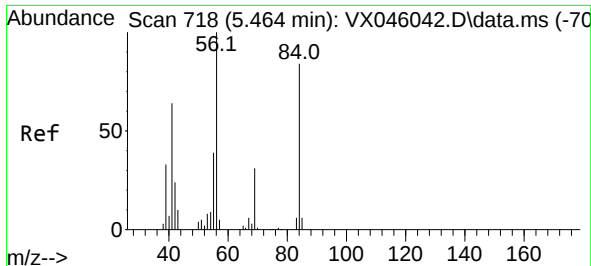
Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
72 19.9 18.4 27.6



#27
cis-1,2-Dichloroethene
Concen: 0.414 ug/l
RT: 4.513 min Scan# 562
Delta R.T. 0.006 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion: 96 Resp: 523
Ion Ratio Lower Upper
96 100
61 223.5 0.0 322.8
98 91.0 0.0 129.0

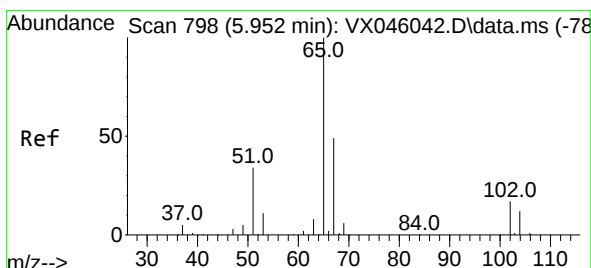
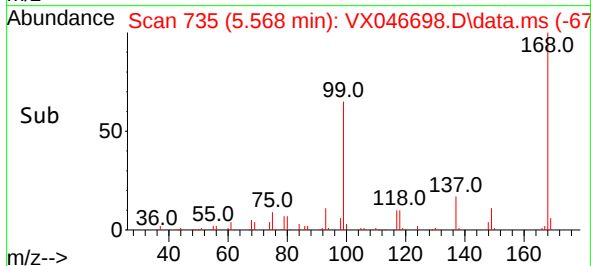
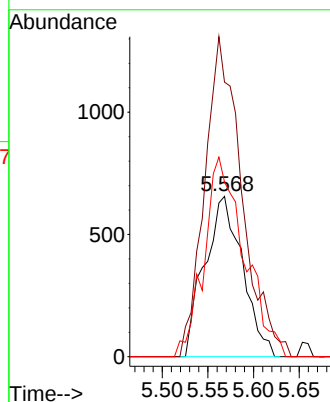
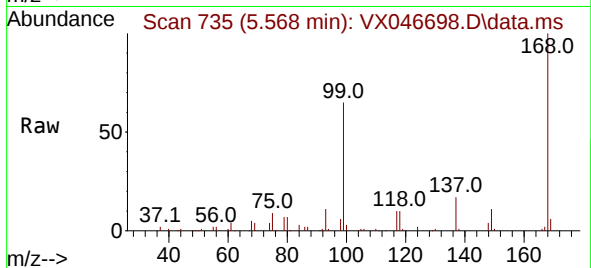




#31
Cyclohexane
Concen: 1.118 ug/l
RT: 5.568 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

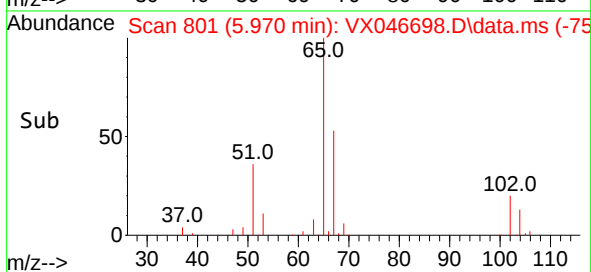
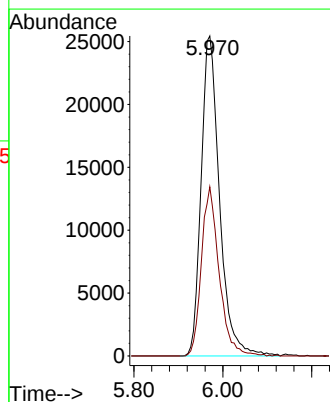
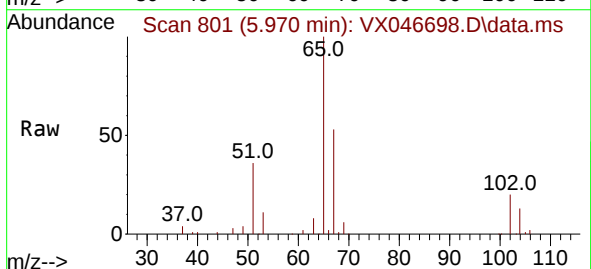
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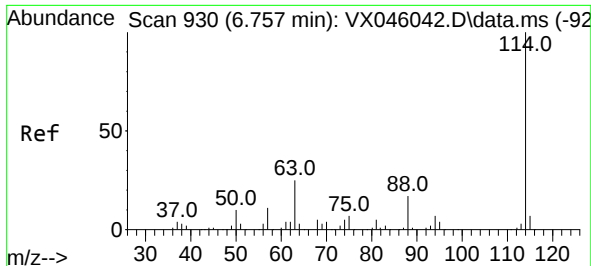
Tgt Ion: 56 Resp: 1890
Ion Ratio Lower Upper
56 100
69 171.2 24.4 36.6#
84 99.4 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 50.434 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion: 65 Resp: 73346
Ion Ratio Lower Upper
65 100
67 51.0 0.0 99.0

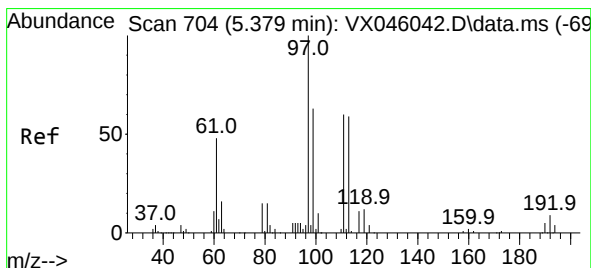
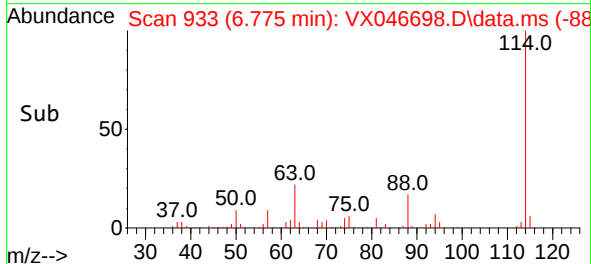
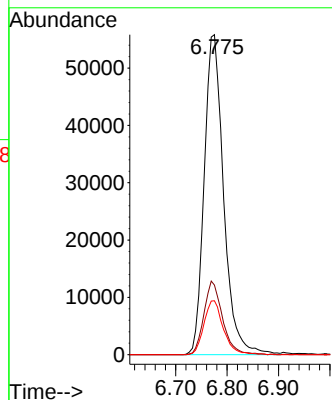
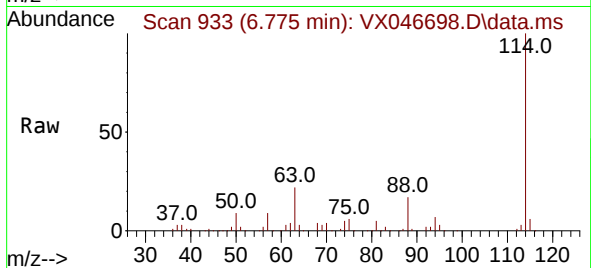




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

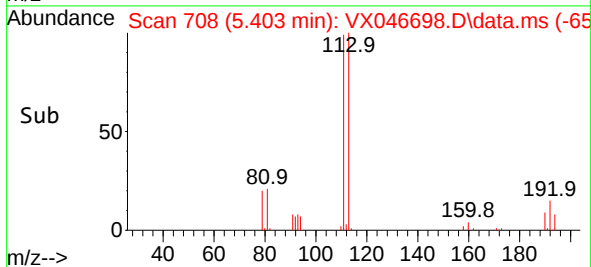
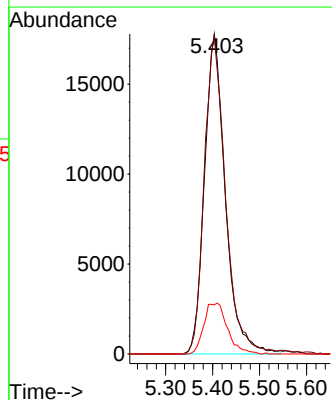
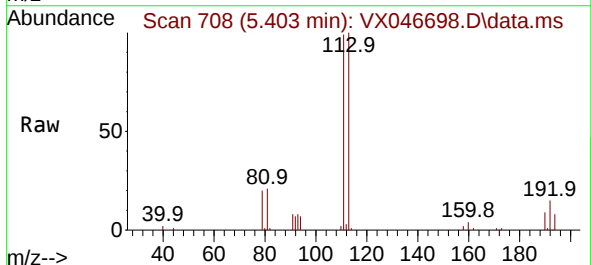
Instrument :
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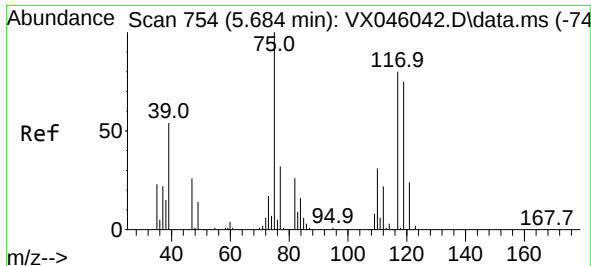
Tgt Ion:114 Resp: 146734
Ion Ratio Lower Upper
114 100
63 21.7 0.0 49.2
88 16.8 0.0 33.6



#35
Dibromofluoromethane
Concen: 50.786 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

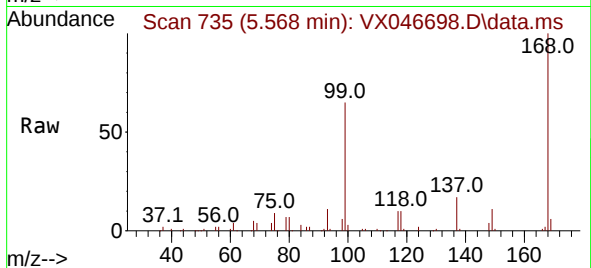
Tgt Ion:113 Resp: 54802
Ion Ratio Lower Upper
113 100
111 101.1 83.1 124.7
192 17.9 13.3 19.9



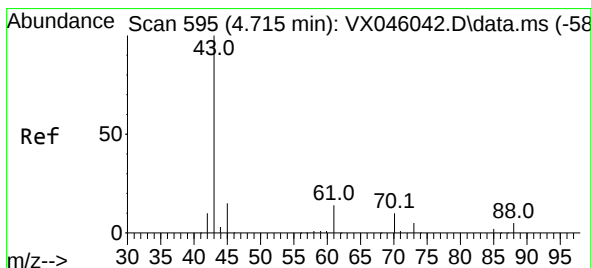
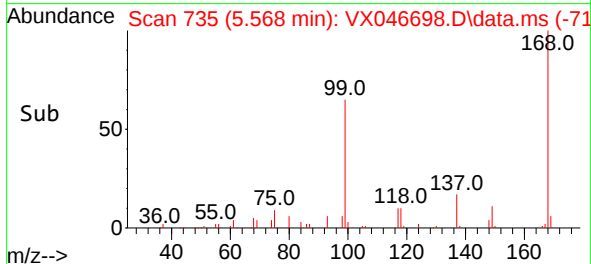
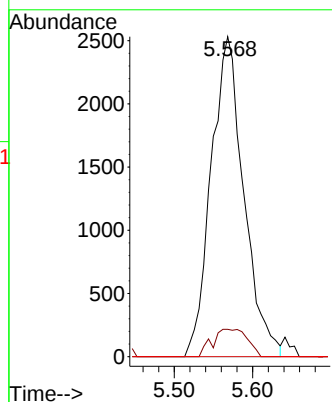


#36
1,1-Dichloropropene
Concen: 4.764 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
WC-URBAN-FILL-G

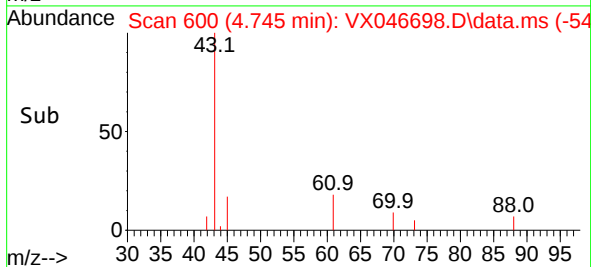
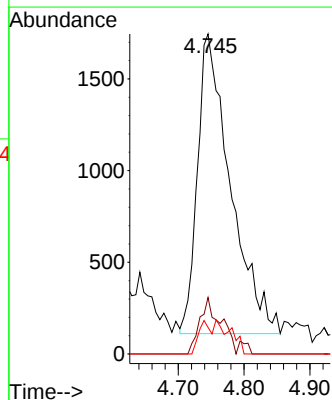
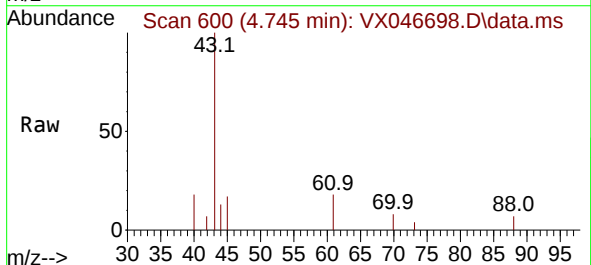


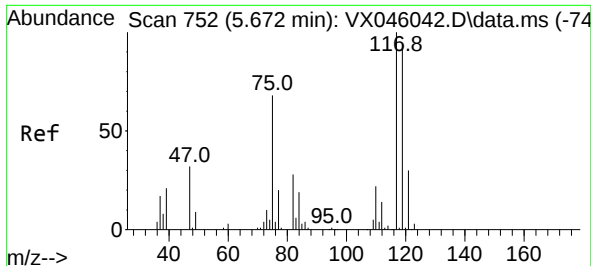
Tgt Ion: 75 Resp: 7343
Ion Ratio Lower Upper
75 100
110 9.2 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 3.777 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

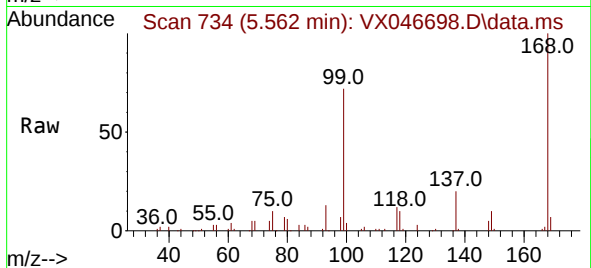
Tgt Ion: 43 Resp: 5682
Ion Ratio Lower Upper
43 100
61 12.0 10.3 15.5
70 4.1 7.9 11.9#



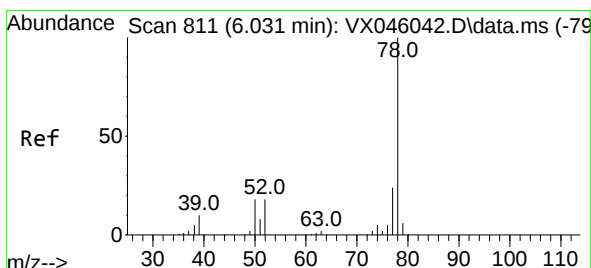
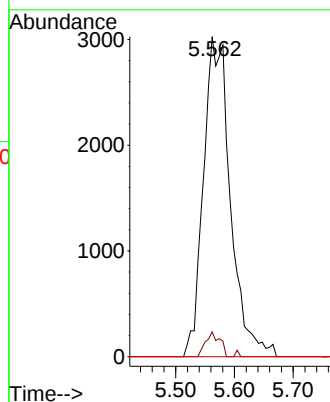
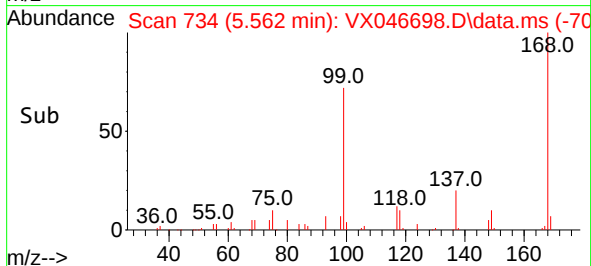


#38
Carbon Tetrachloride
Concen: 5.580 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
WC-URBAN-FILL-G

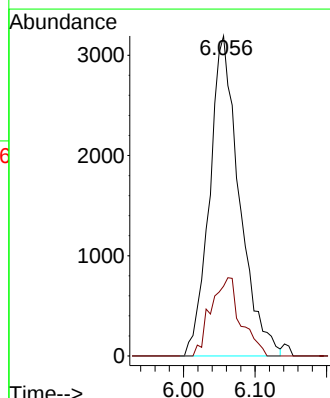
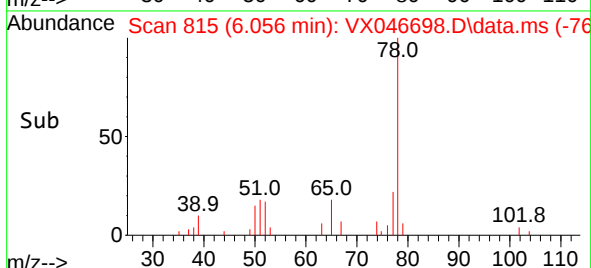
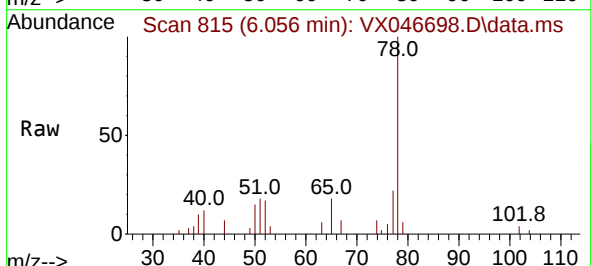


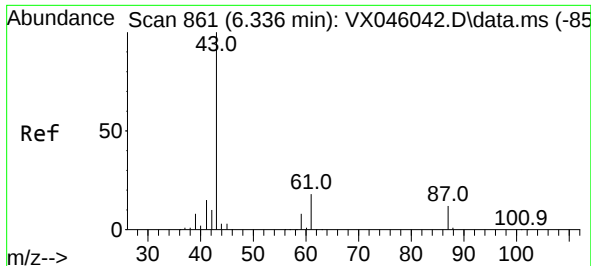
Tgt Ion:117 Resp: 9634
Ion Ratio Lower Upper
117 100
119 7.7 75.2 112.8#
121 0.0 24.2 36.4#



#40
Benzene
Concen: 2.131 ug/l
RT: 6.056 min Scan# 815
Delta R.T. -0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion: 78 Resp: 9247
Ion Ratio Lower Upper
78 100
77 21.8 19.0 28.4

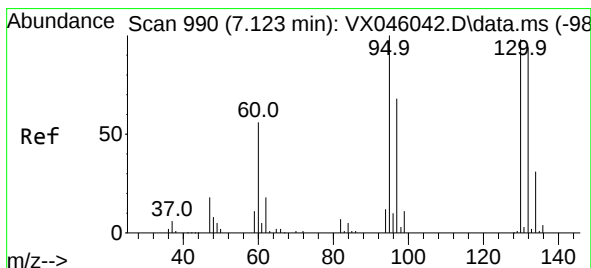
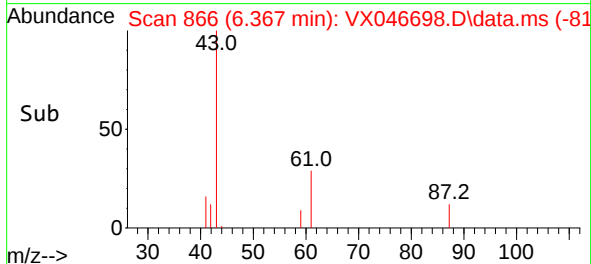
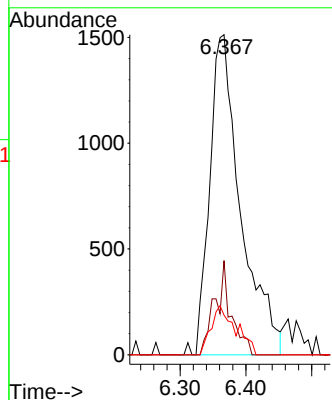
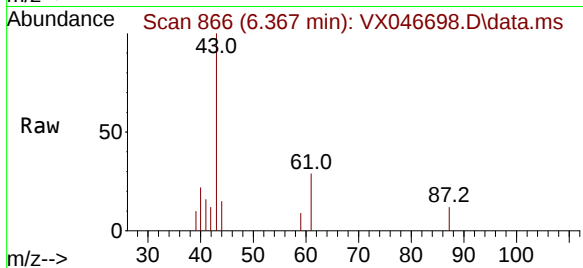




#43
Isopropyl Acetate
Concen: 1.898 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.013 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

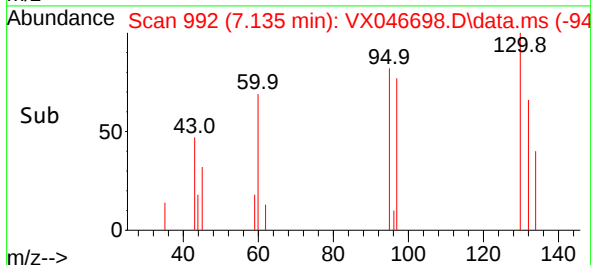
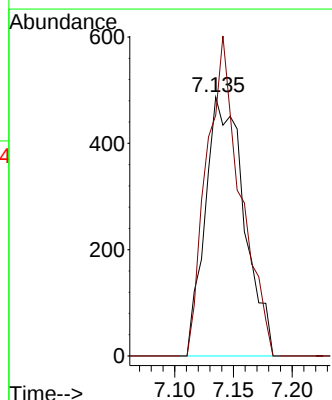
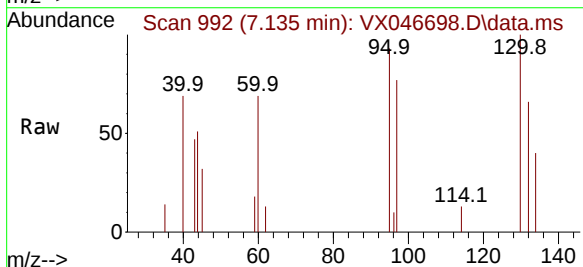
Instrument :
MSVOA_X
ClientSampleId :
WC-URBAN-FILL-G

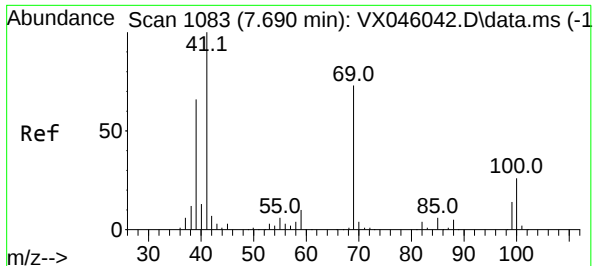
Tgt Ion: 43 Resp: 4978
Ion Ratio Lower Upper
43 100
61 15.3 14.3 21.5
87 12.3 9.5 14.3



#44
Trichloroethene
Concen: 1.017 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion: 130 Resp: 1121
Ion Ratio Lower Upper
130 100
95 93.0 0.0 204.2

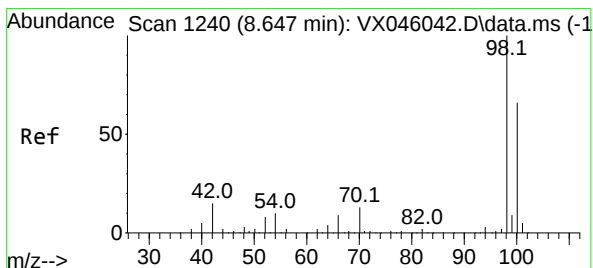
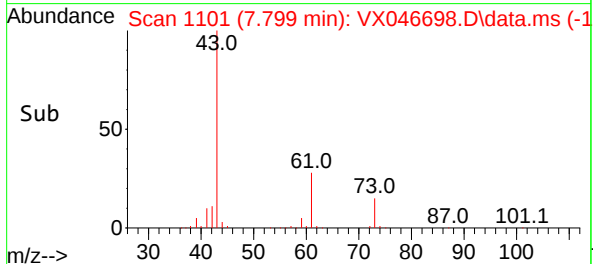
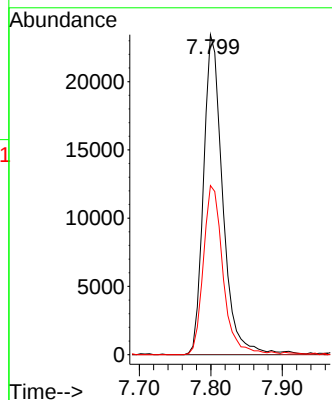
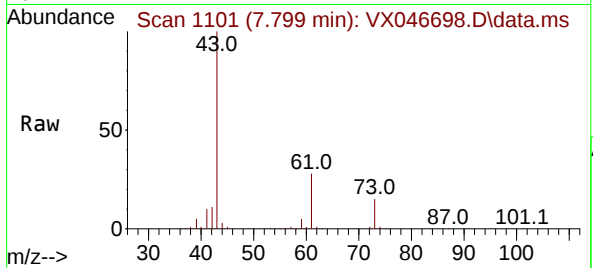




#48
Methyl methacrylate
Concen: 32.313 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

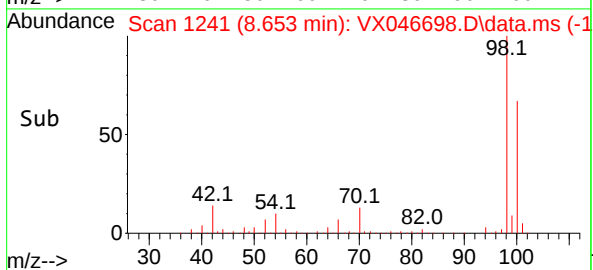
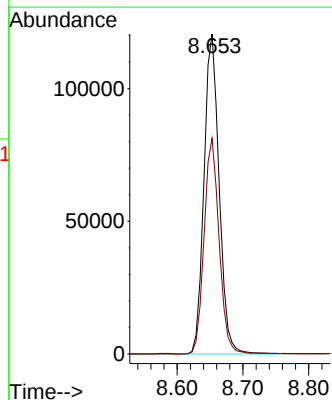
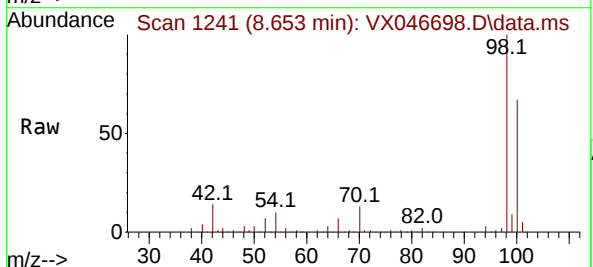
Instrument :
MSVOA_X
ClientSampleId :
WC-URBAN-FILL-G

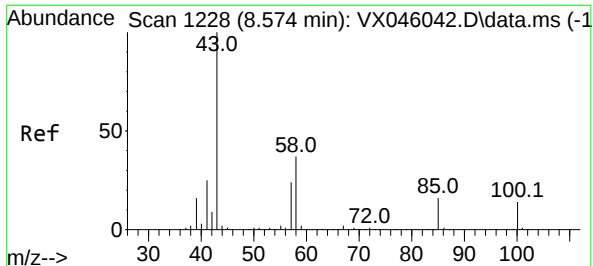
Tgt Ion: 41 Resp: 43602
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.6 51.7 77.5



#50
Toluene-d8
Concen: 54.301 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion: 98 Resp: 193180
Ion Ratio Lower Upper
98 100
100 66.9 53.5 80.3

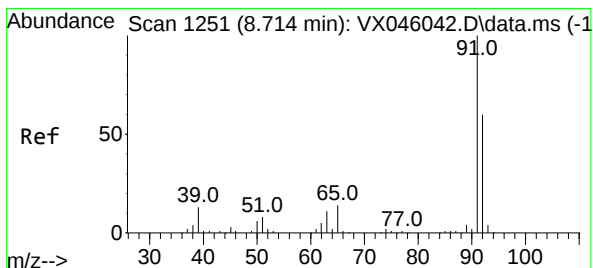
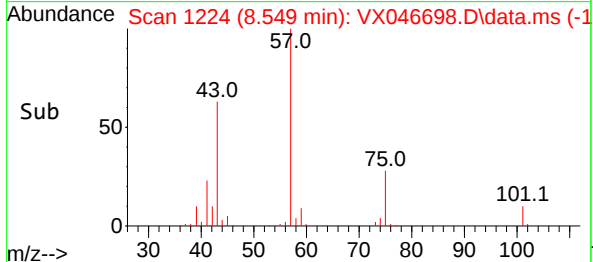
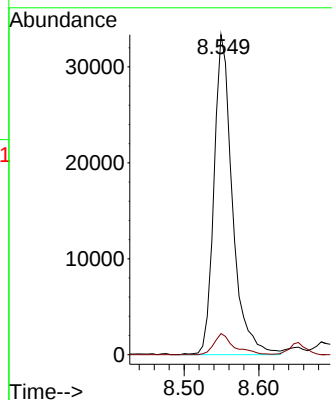
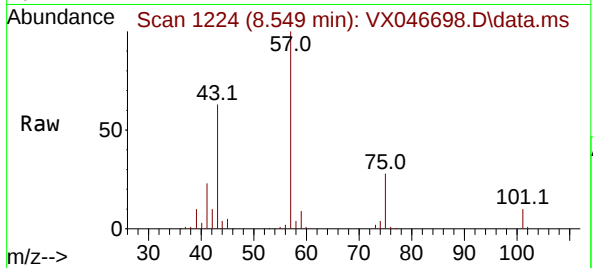




#51
4-Methyl-2-Pentanone
Concen: 34.267 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

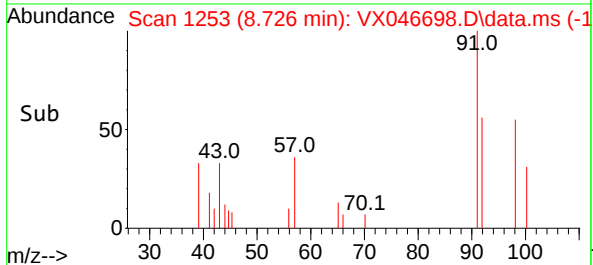
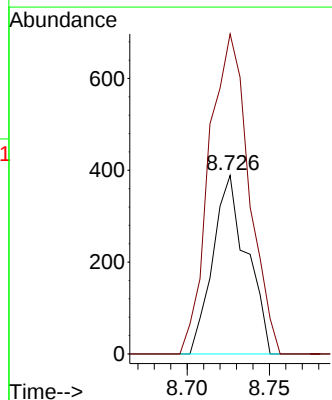
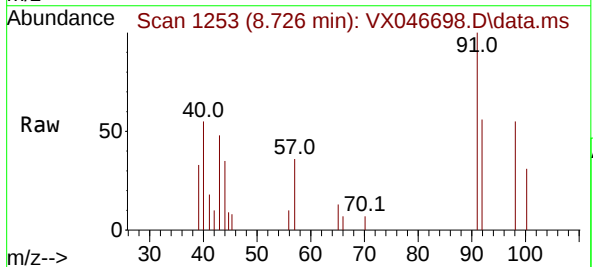
Instrument :
MSVOA_X
ClientSampleId :
WC-URBAN-FILL-G

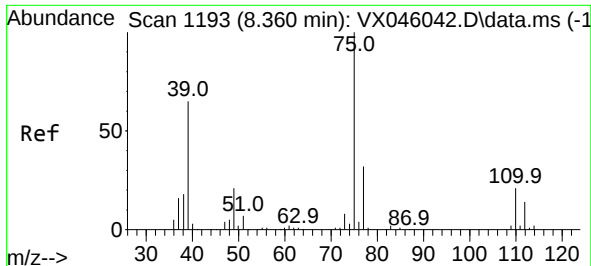
Tgt Ion: 43 Resp: 57109
Ion Ratio Lower Upper
43 100
58 7.1 28.9 43.3#



#52
Toluene
Concen: 0.210 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion: 92 Resp: 559
Ion Ratio Lower Upper
92 100
91 210.4 136.6 205.0#

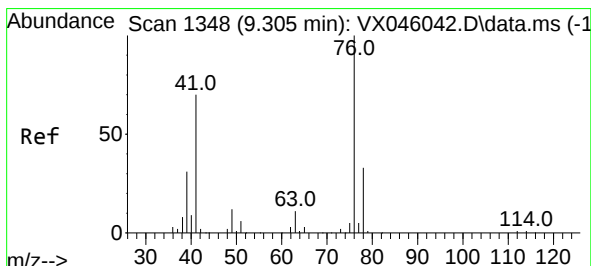
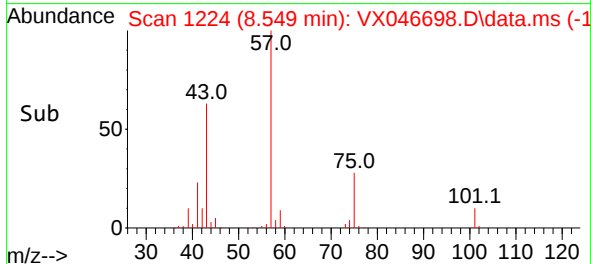
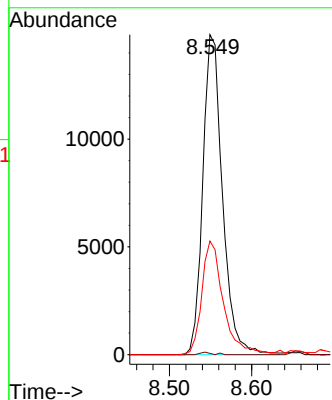
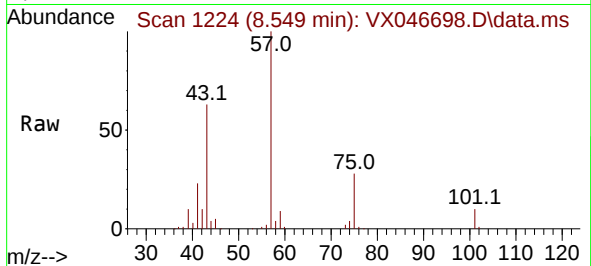




#54
 cis-1,3-Dichloropropene
 Concen: 14.268 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046698.D
 Acq: 13 Jun 2025 18:29

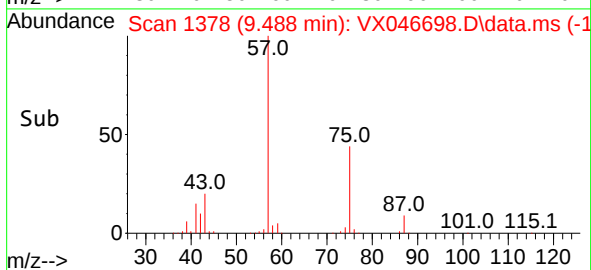
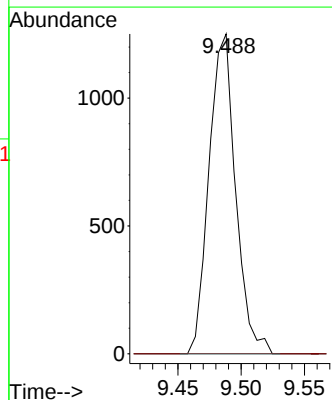
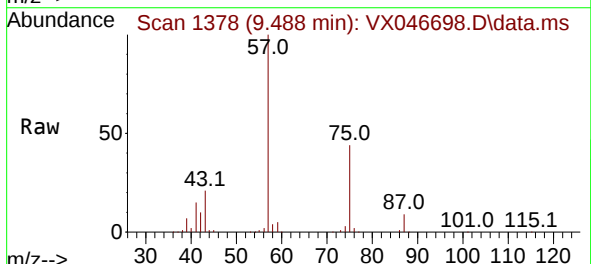
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-URBAN-FILL-G

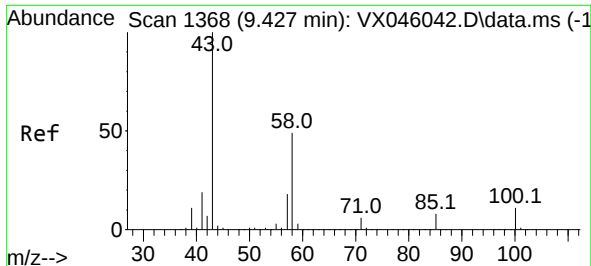
Tgt Ion: 75 Resp: 24642
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.4 38.0#
 39 35.5 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.969 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX046698.D
 Acq: 13 Jun 2025 18:29

Tgt Ion: 76 Resp: 1832
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

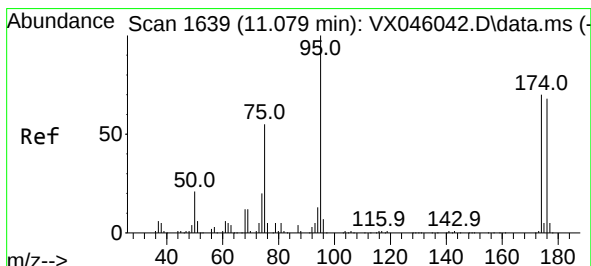
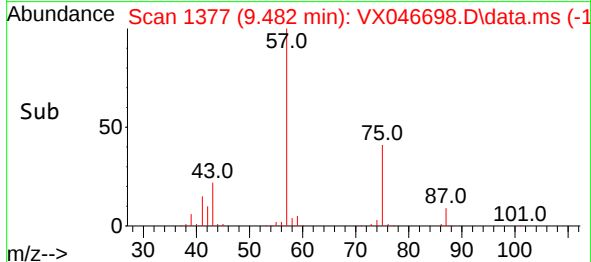
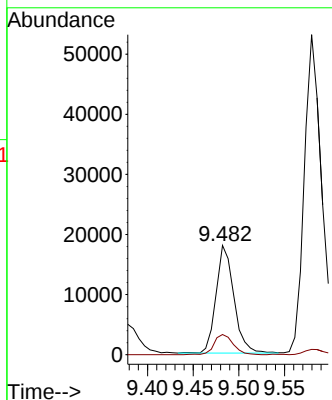
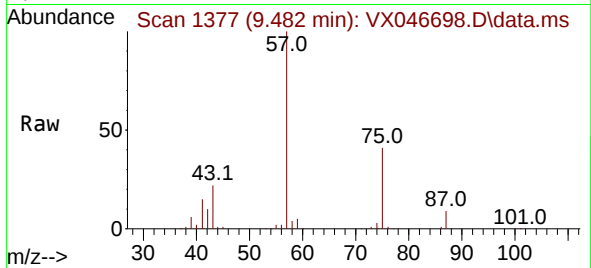




#59
2-Hexanone
Concen: 20.485 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

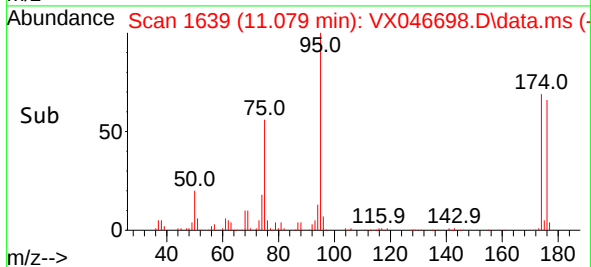
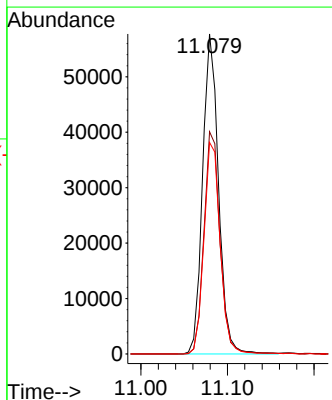
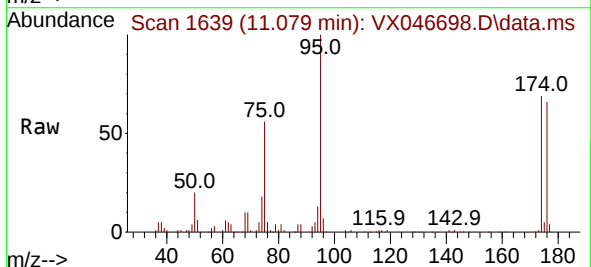
Instrument :
MSVOA_X
ClientSampleId :
WC-URBAN-FILL-G

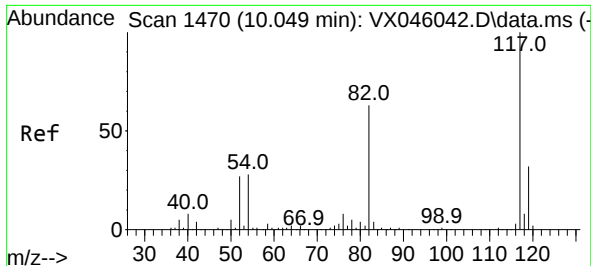
Tgt Ion: 43 Resp: 24485
Ion Ratio Lower Upper
43 100
58 20.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 50.034 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion: 95 Resp: 73646
Ion Ratio Lower Upper
95 100
174 70.1 0.0 135.8
176 67.7 0.0 131.4

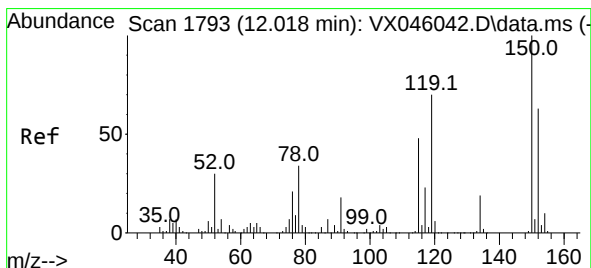
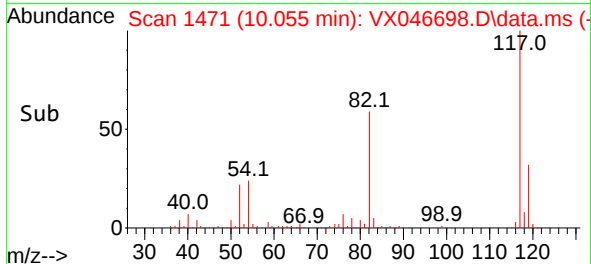
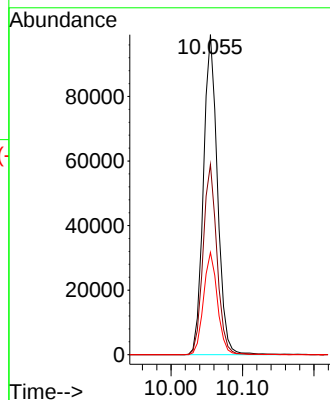
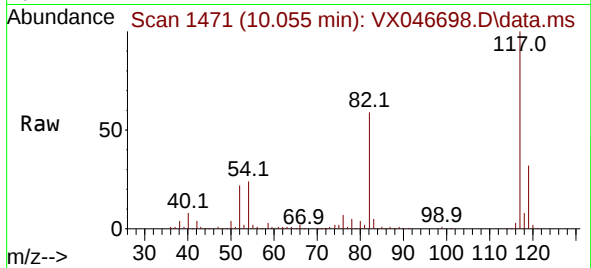




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

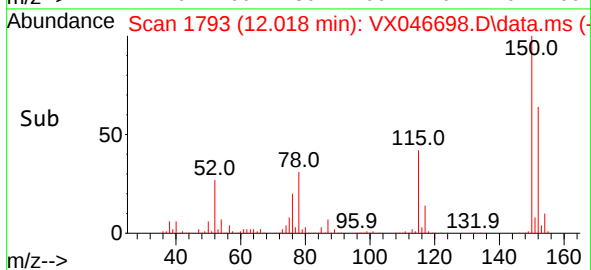
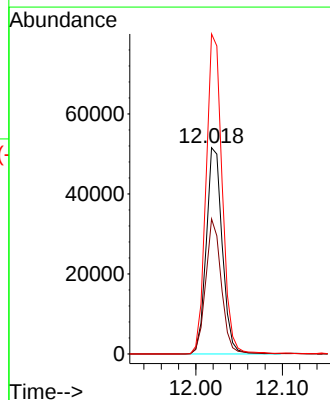
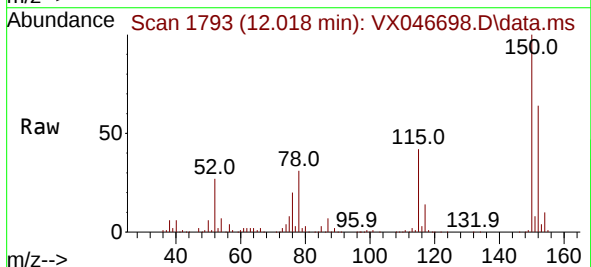
Instrument :
MSVOA_X
ClientSampleId :
WC-URBAN-FILL-G

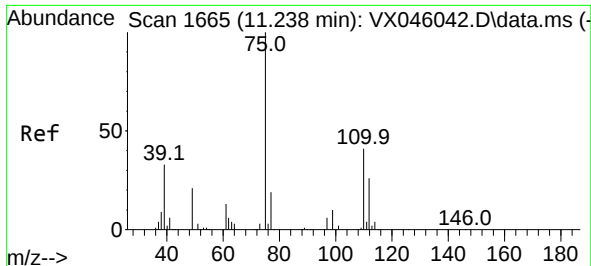
Tgt Ion:117 Resp: 135324
Ion Ratio Lower Upper
117 100
82 59.5 50.6 76.0
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion:152 Resp: 66328
Ion Ratio Lower Upper
152 100
115 63.9 46.9 140.7
150 155.8 0.0 351.0

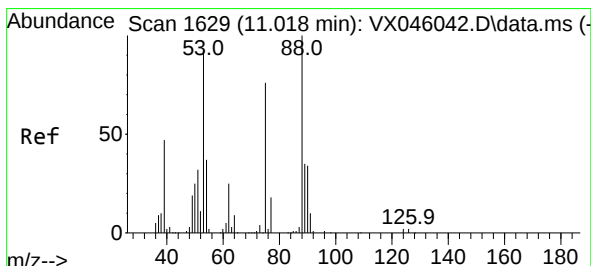
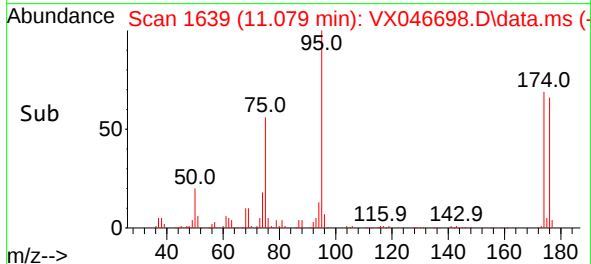
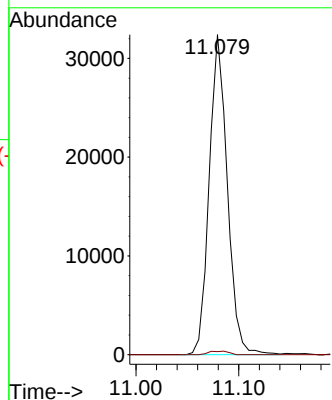
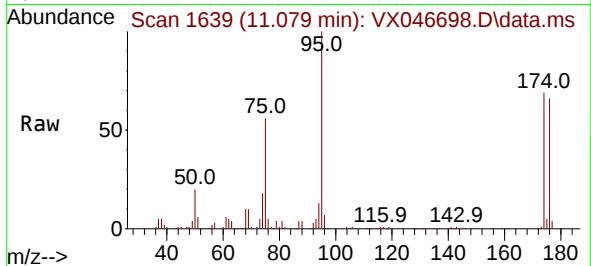




#76
1,2,3-Trichloropropane
Concen: 28.229 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

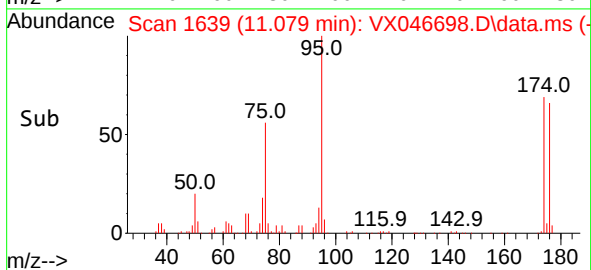
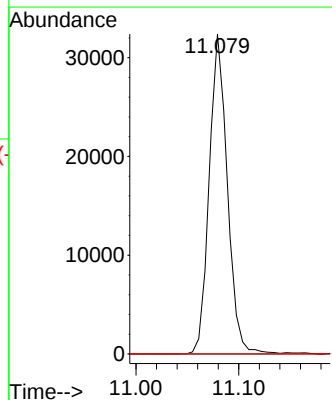
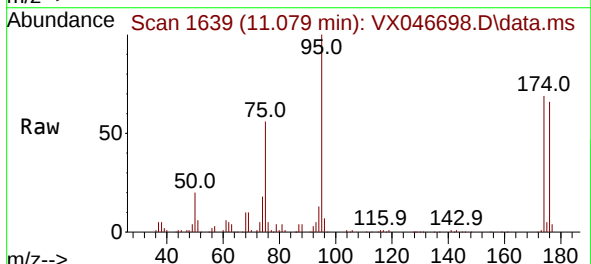
Instrument :
MSVOA_X
ClientSampleId :
WC-URBAN-FILL-G

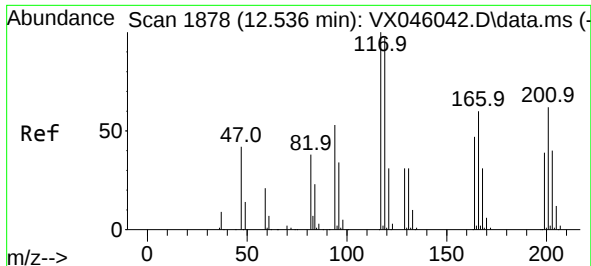
Tgt Ion: 75 Resp: 39660
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.431 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion: 75 Resp: 39660
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

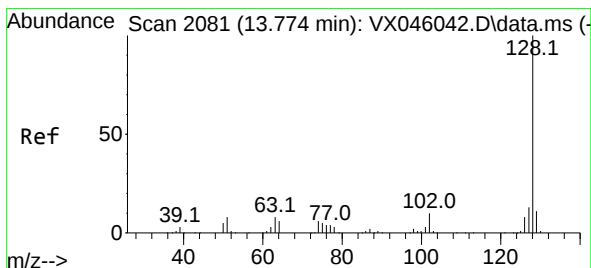
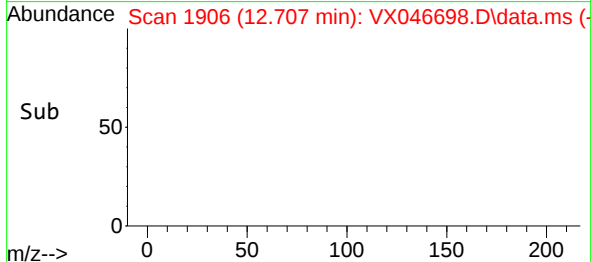
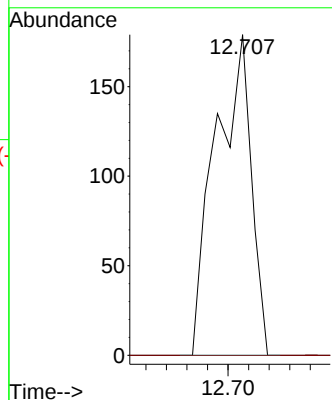
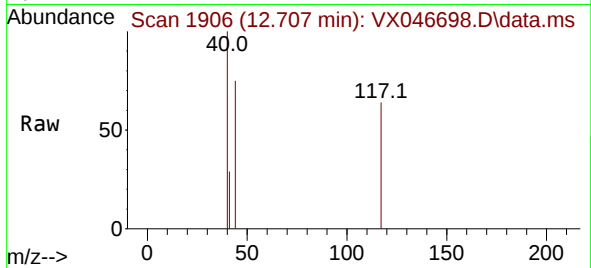




#90
Hexachloroethane
Concen: 0.257 ug/l
RT: 12.707 min Scan# 1906
Delta R.T. 0.171 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Instrument :
MSVOA_X
ClientSampleId :
WC-URBAN-FILL-G

Tgt Ion:117 Resp: 216
Ion Ratio Lower Upper
117 100
201 0.0 31.6 94.7#



#95
Naphthalene
Concen: 3.331 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046698.D
Acq: 13 Jun 2025 18:29

Tgt Ion:128 Resp: 16348
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.7 8.6 13.0

