

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046694.D
 Acq On : 13 Jun 2025 17:02
 Operator : JC/MD
 Sample : Q2296-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-4

Quant Time: Jun 13 23:32:55 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)

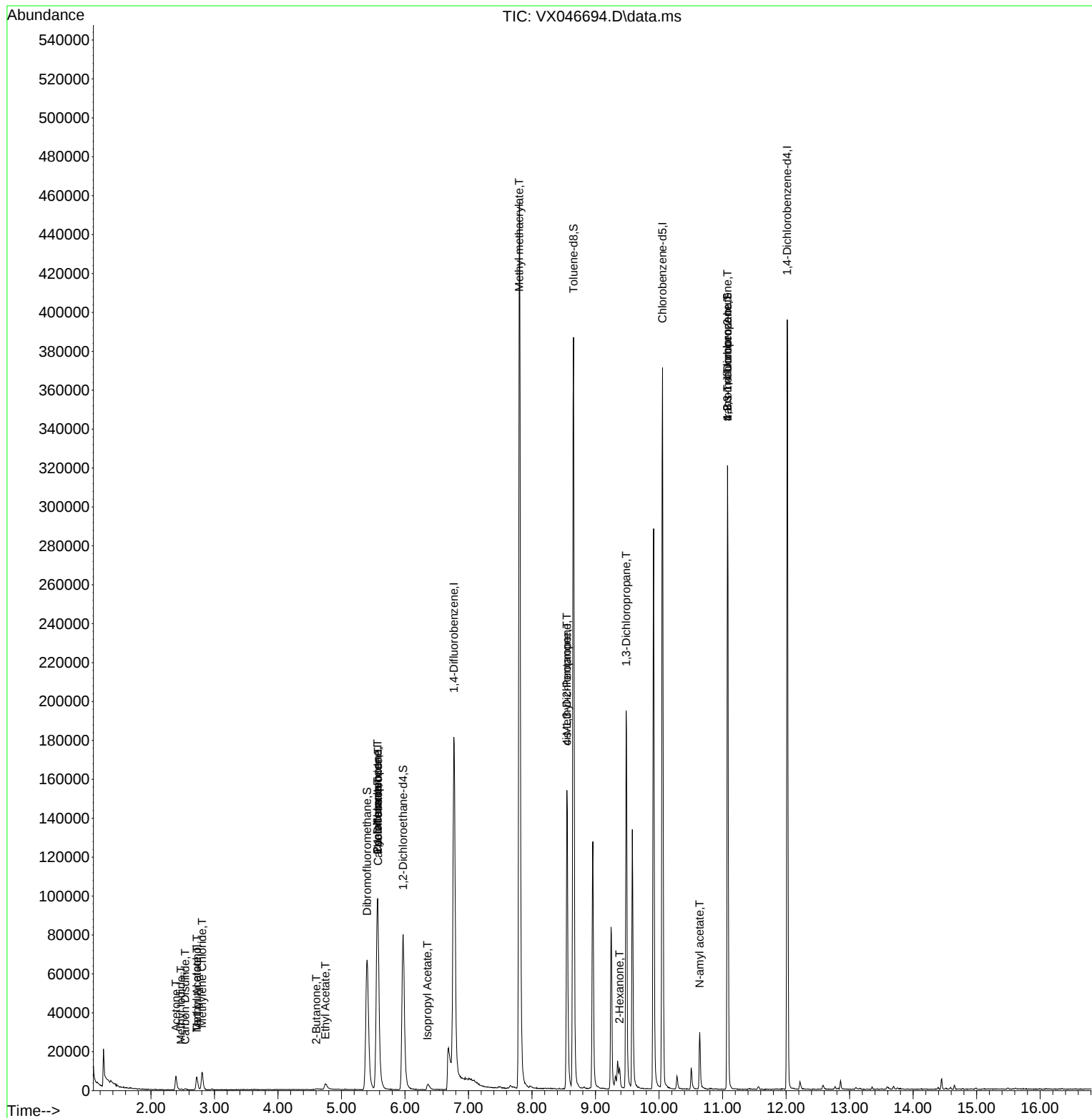
Internal Standards						
1) Pentafluorobenzene	5.568	168	94731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	174083	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	154316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	85407	50.676	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.360%
35) Dibromofluoromethane	5.403	113	63799	49.835	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.680%
50) Toluene-d8	8.653	98	227177	53.825	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.640%
62) 4-Bromofluorobenzene	11.079	95	85948	49.218	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.440%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.471	142	417	0.309	ug/l #	76
11) Tert butyl alcohol	2.721	59	758	4.053	ug/l #	72
16) Acetone	2.392	43	9005	17.951	ug/l	98
17) Carbon Disulfide	2.538	76	321	0.336	ug/l #	76
18) Methyl Acetate	2.721	43	10311	5.136	ug/l	94
20) Methylene Chloride	2.806	84	4461	3.299	ug/l	86
25) 2-Butanone	4.605	43	1747	1.862	ug/l #	53
31) Cyclohexane	5.568	56	2350	1.199	ug/l #	9
36) 1,1-Dichloropropene	5.568	75	8484	4.639	ug/l #	52
37) Ethyl Acetate	4.745	43	5563	3.117	ug/l #	73
38) Carbon Tetrachloride	5.574	117	10660	5.205	ug/l #	15
43) Isopropyl Acetate	6.354	43	4956	1.593	ug/l #	91
48) Methyl methacrylate	7.799	41	44373	27.718	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	56587	28.620	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	25034	12.217	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	1717	0.765	ug/l #	42
59) 2-Hexanone	9.378	43	6999	4.936	ug/l #	28
74) N-amyl acetate	10.640	43	7937	3.027	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	46614	29.057	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	46614	83.818	ug/l #	1

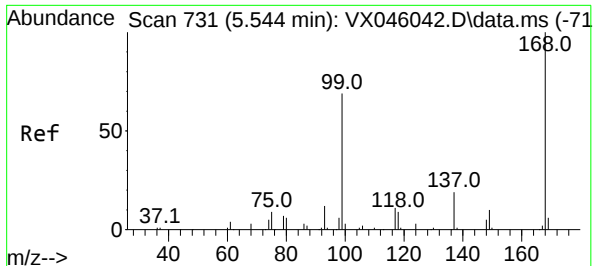
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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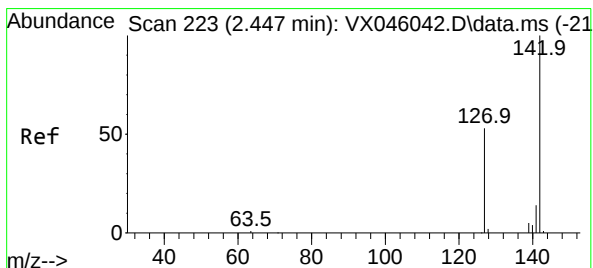
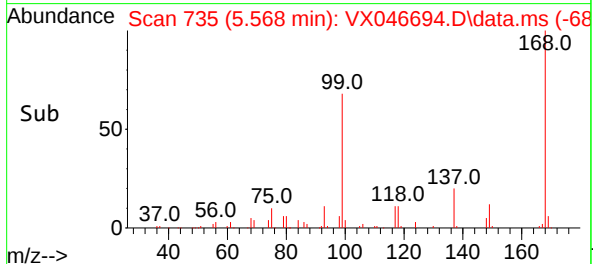
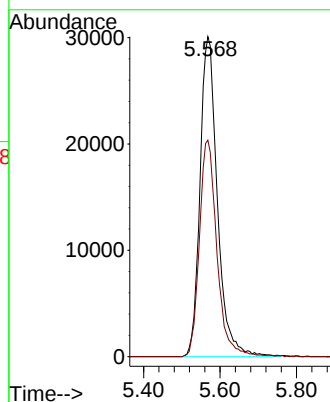
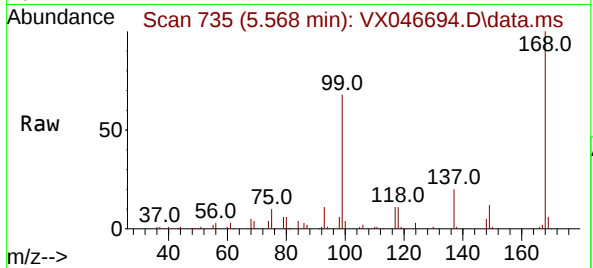




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

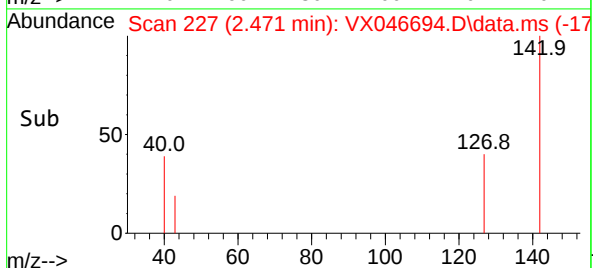
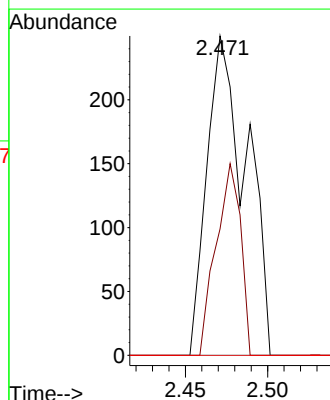
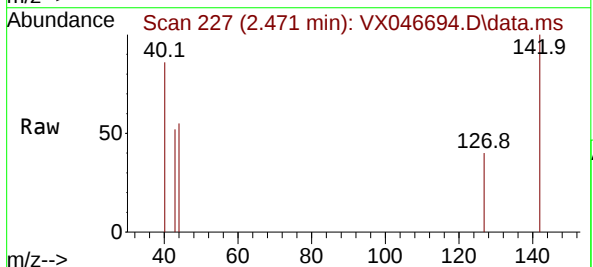
Instrument :
MSVOA_X
ClientSampleId :
WC-4

Tgt Ion:168 Resp: 94731
Ion Ratio Lower Upper
168 100
99 67.6 54.9 82.3



#10
Methyl Iodide
Concen: 0.309 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion:142 Resp: 417
Ion Ratio Lower Upper
142 100
127 37.2 41.7 62.5#
141 0.0 11.5 17.3#

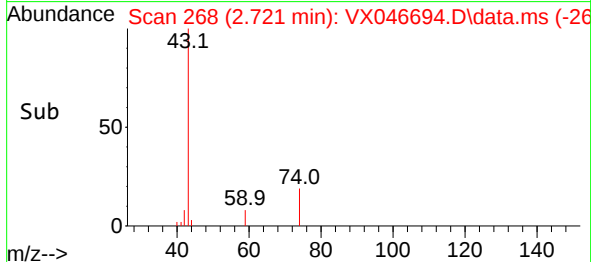
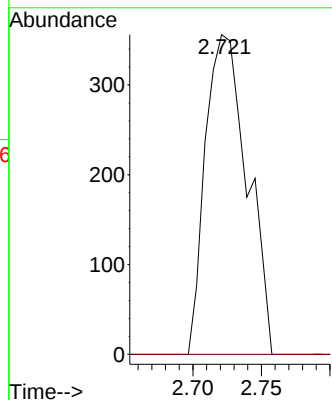
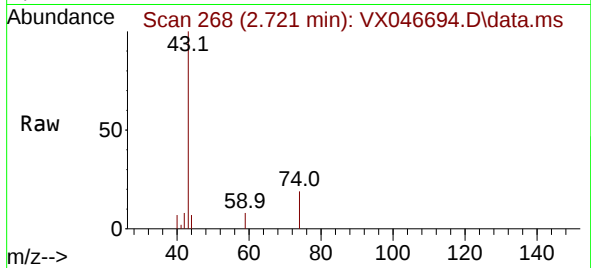




#11
Tert butyl alcohol
Concen: 4.053 ug/l
RT: 2.721 min Scan# 214
Delta R.T. -0.250 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

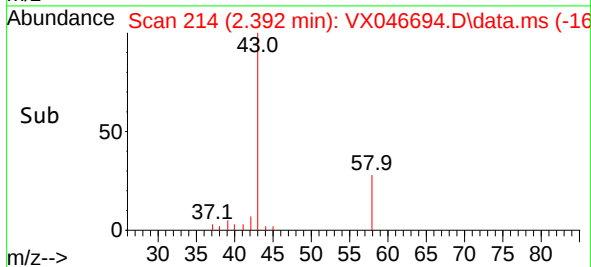
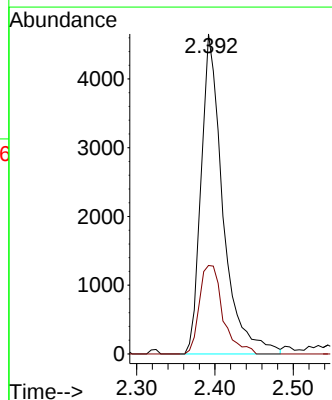
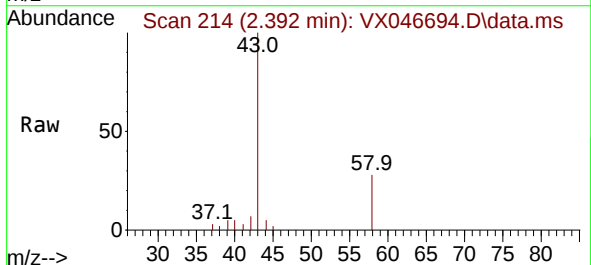
Instrument :
MSVOA_X
ClientSampleId :
WC-4

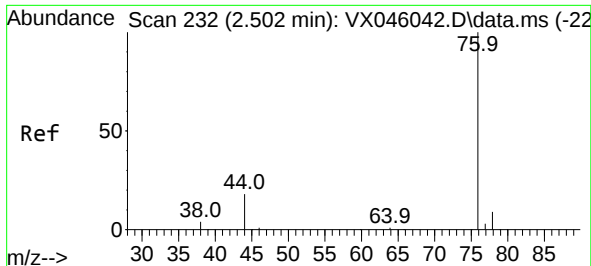
Tgt Ion: 59 Resp: 758
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 17.951 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion: 43 Resp: 9005
Ion Ratio Lower Upper
43 100
58 27.6 21.2 31.8

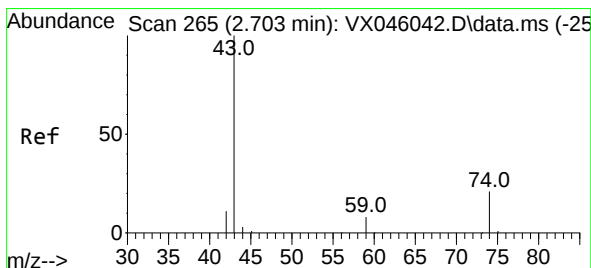
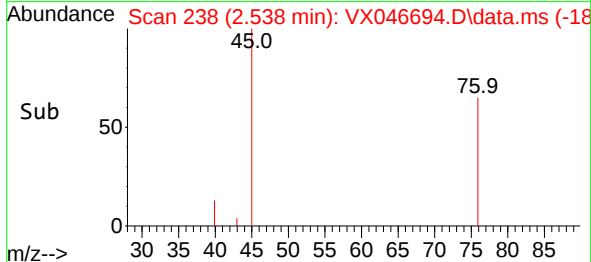
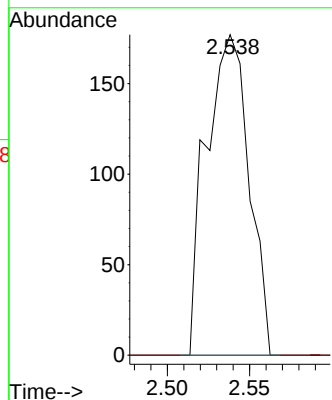
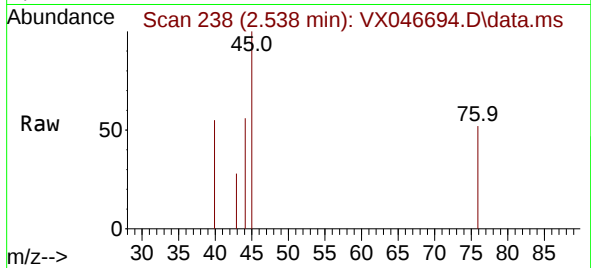




#17
Carbon Disulfide
Concen: 0.336 ug/l
RT: 2.538 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

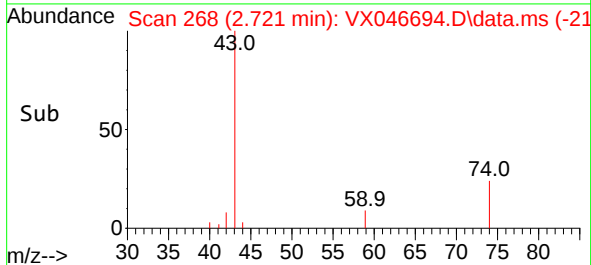
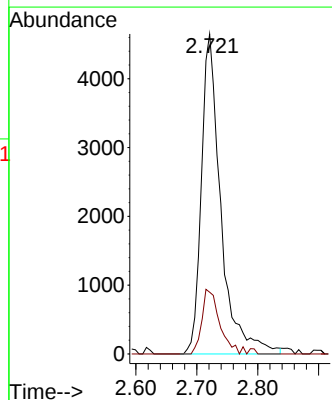
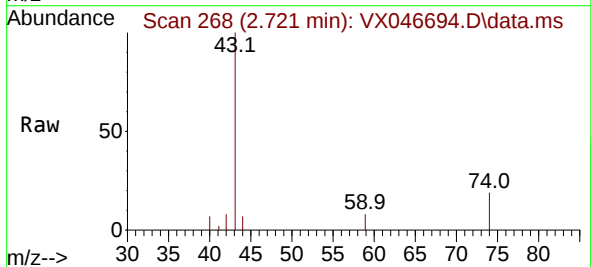
Instrument :
MSVOA_X
ClientSampleId :
WC-4

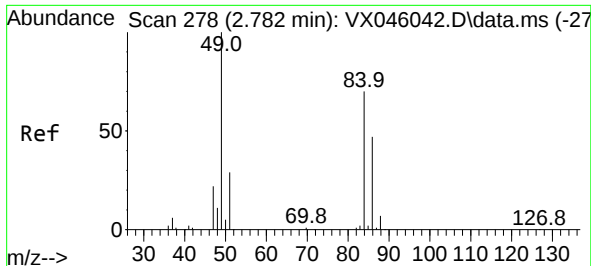
Tgt Ion: 76 Resp: 321
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 5.136 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.000 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion: 43 Resp: 10311
Ion Ratio Lower Upper
43 100
74 18.2 16.7 25.1

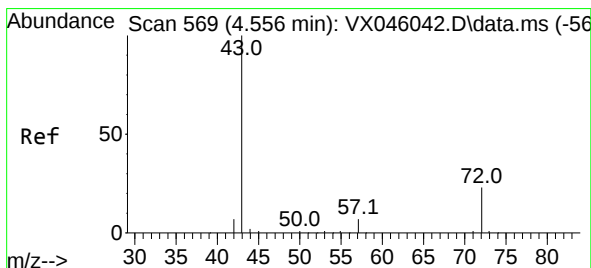
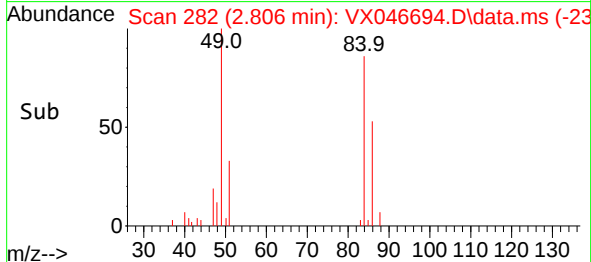
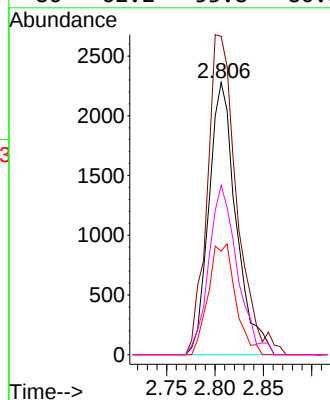
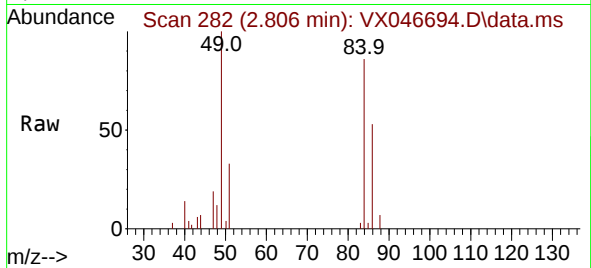




#20
Methylene Chloride
Concen: 3.299 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

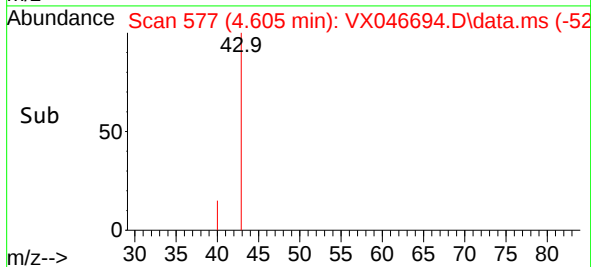
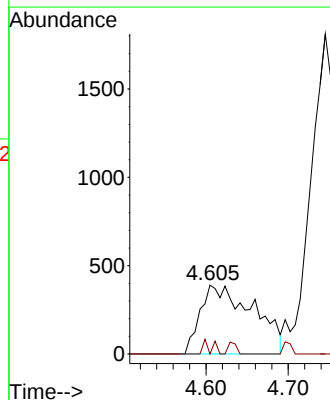
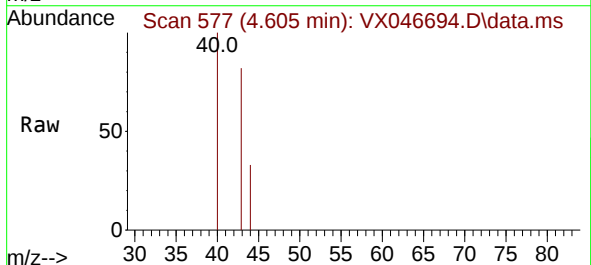
Instrument :
MSVOA_X
ClientSampleId :
WC-4

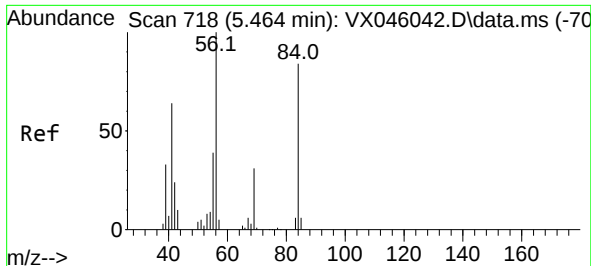
Tgt Ion:	84	Resp:	4461
Ion	Ratio	Lower	Upper
84	100		
49	116.9	113.9	170.9
51	38.1	33.5	50.3
86	62.2	53.8	80.8



#25
2-Butanone
Concen: 1.862 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.031 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion:	43	Resp:	1747
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.4	27.6#

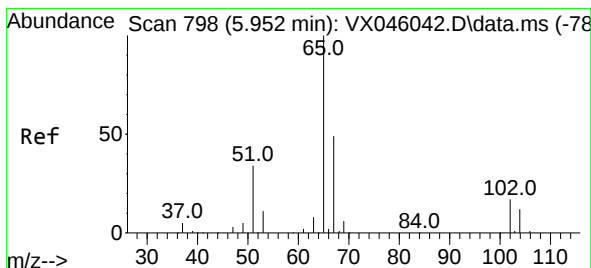
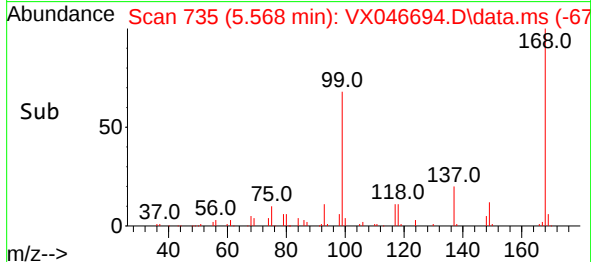
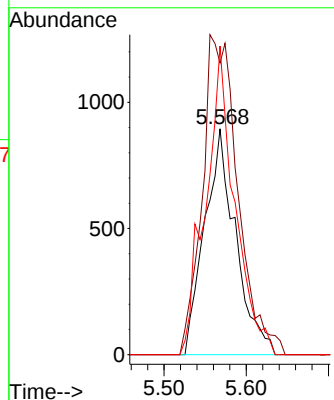
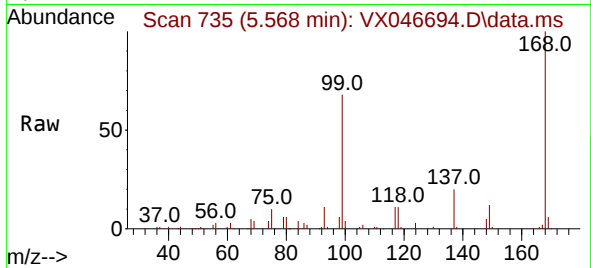




#31
Cyclohexane
Concen: 1.199 ug/l
RT: 5.568 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

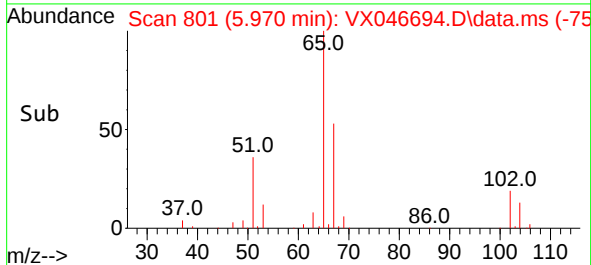
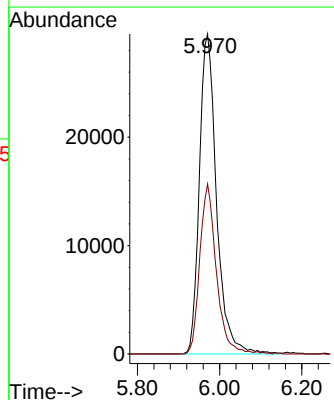
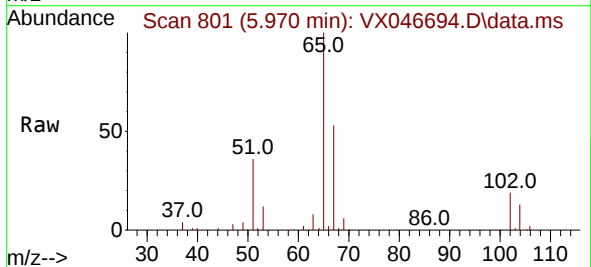
Instrument :
MSVOA_X
ClientSampleId :
WC-4

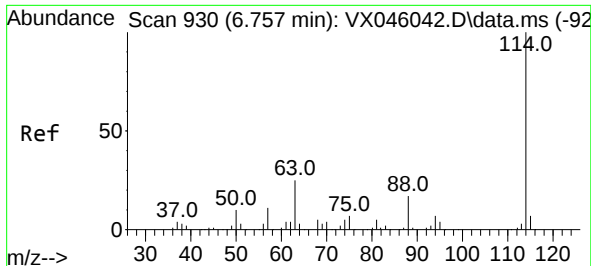
Tgt Ion: 56 Resp: 2350
Ion Ratio Lower Upper
56 100
69 129.1 24.4 36.6#
84 136.6 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 50.676 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion: 65 Resp: 85407
Ion Ratio Lower Upper
65 100
67 51.5 0.0 99.0

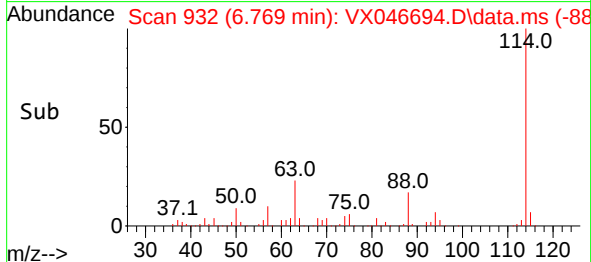
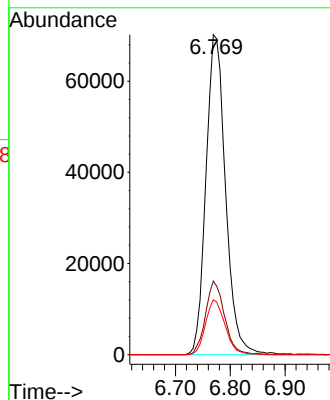
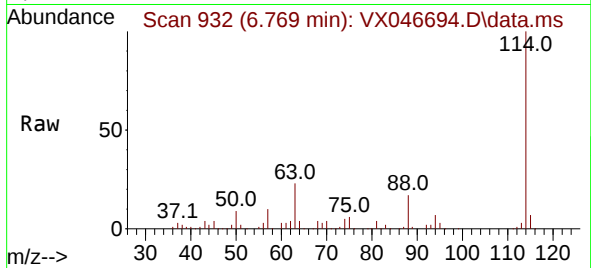




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

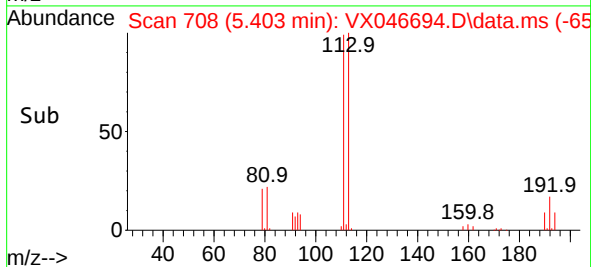
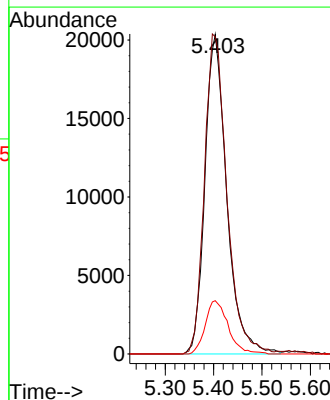
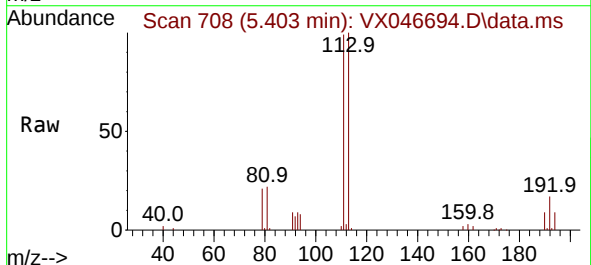
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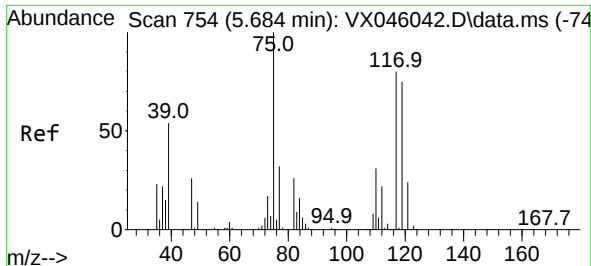
Tgt Ion:114 Resp: 174083
Ion Ratio Lower Upper
114 100
63 23.0 0.0 49.2
88 17.1 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.835 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion:113 Resp: 63799
Ion Ratio Lower Upper
113 100
111 102.9 83.1 124.7
192 17.5 13.3 19.9

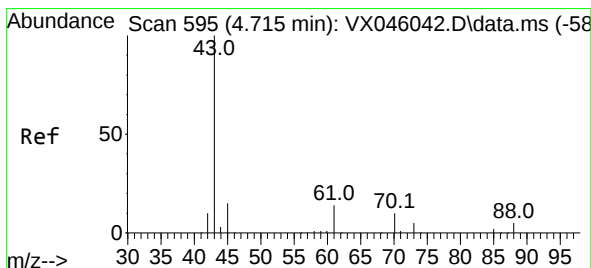
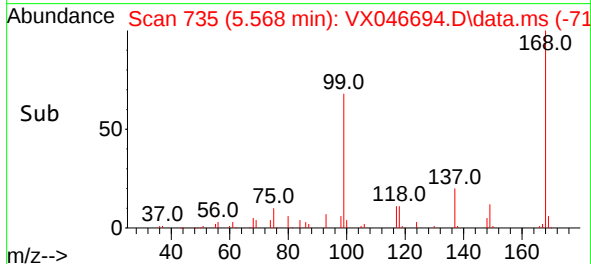
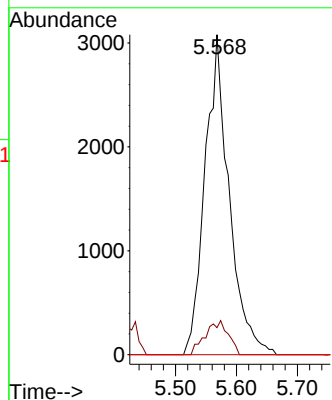
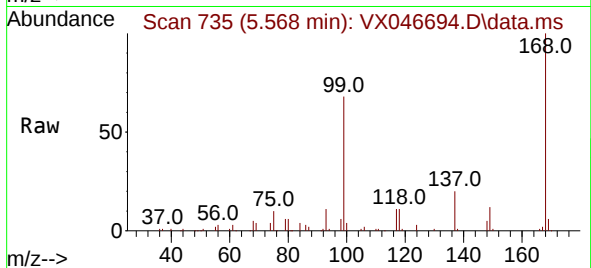




#36
1,1-Dichloropropene
Concen: 4.639 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

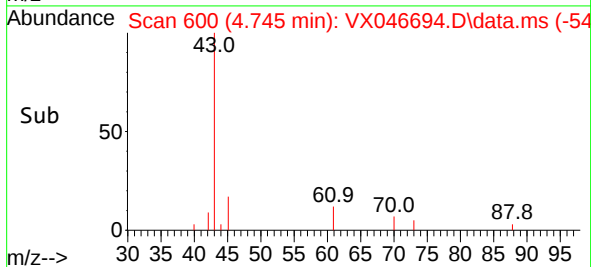
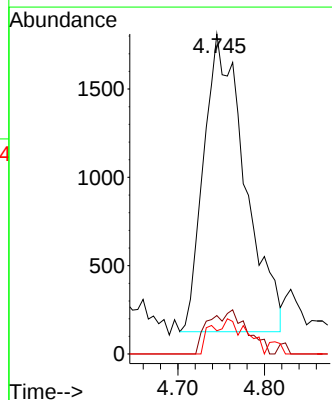
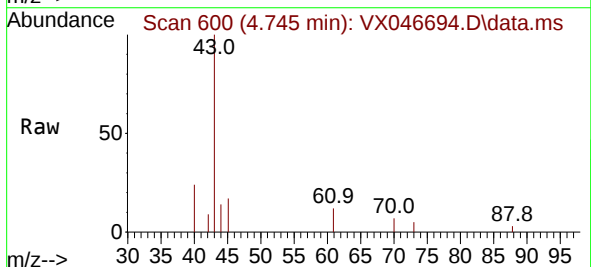
Instrument :
MSVOA_X
ClientSampleId :
WC-4

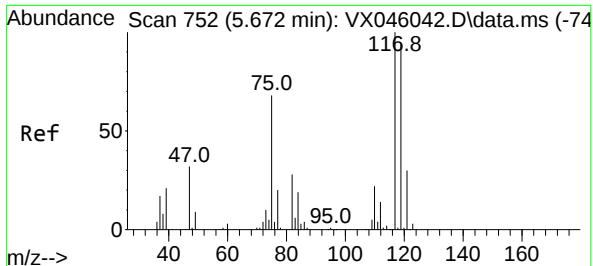
Tgt Ion: 75 Resp: 8484
Ion Ratio Lower Upper
75 100
110 10.1 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 3.117 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

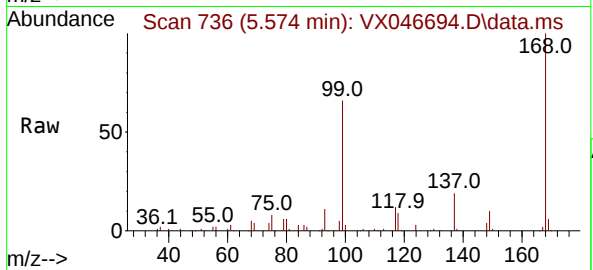
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Ion Ratio Lower Upper
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61 0.0 10.3 15.5#
70 2.9 7.9 11.9#



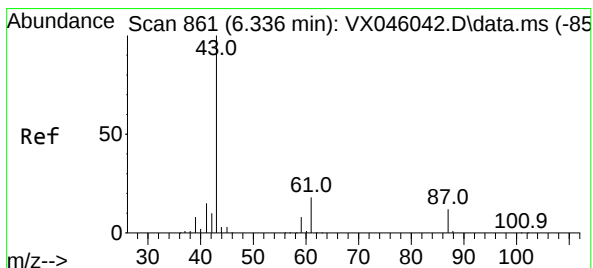
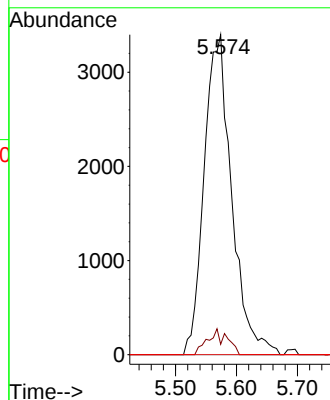
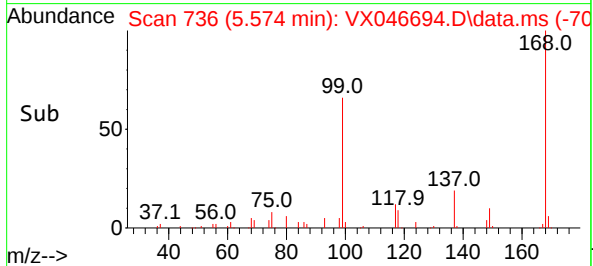


#38
Carbon Tetrachloride
Concen: 5.205 ug/l
RT: 5.574 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Instrument :
MSVOA_X
ClientSampleId :
WC-4

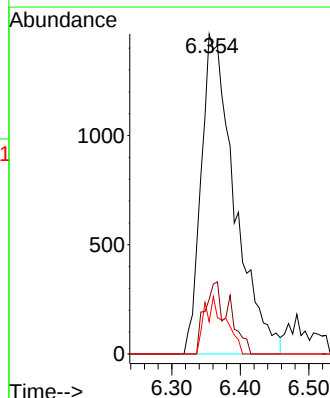
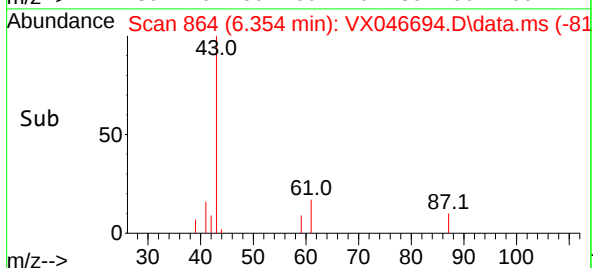
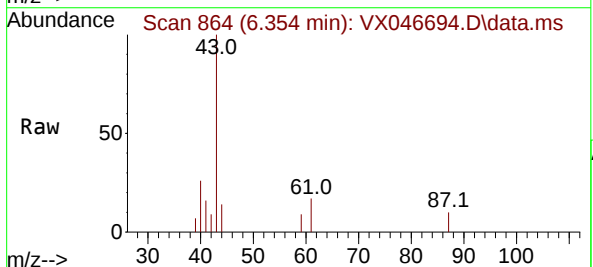


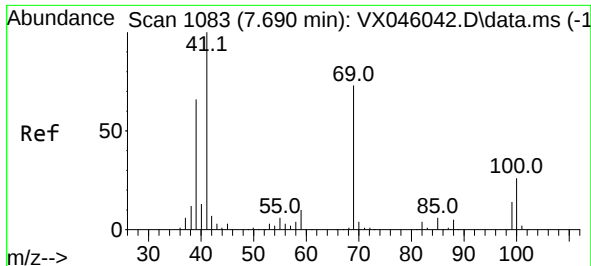
Tgt Ion:117 Resp: 10660
Ion Ratio Lower Upper
117 100
119 3.2 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 1.593 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion: 43 Resp: 4956
Ion Ratio Lower Upper
43 100
61 11.8 14.3 21.5#
87 11.1 9.5 14.3

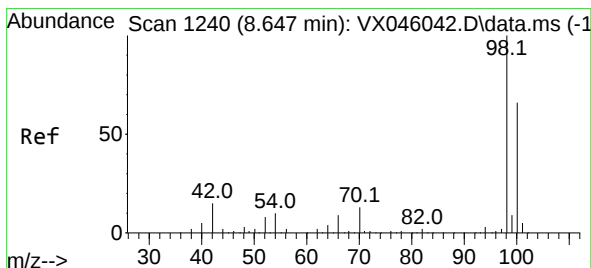
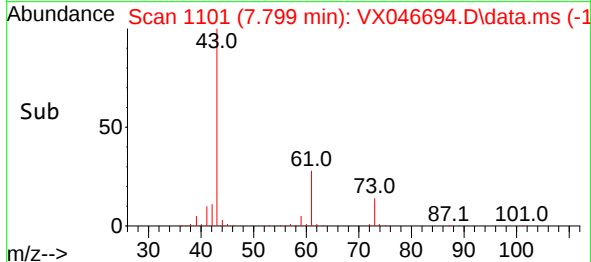
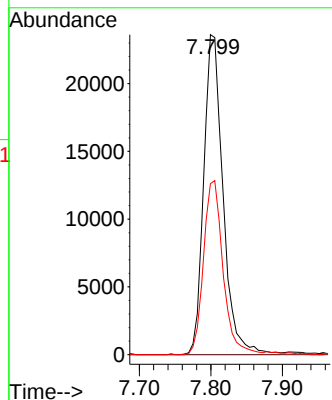
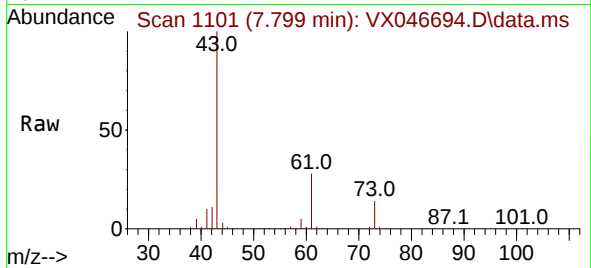




#48
Methyl methacrylate
Concen: 27.718 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

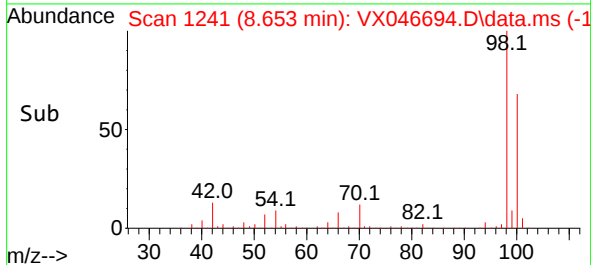
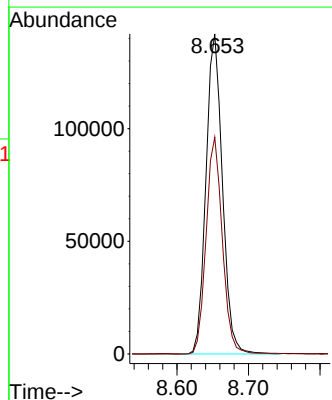
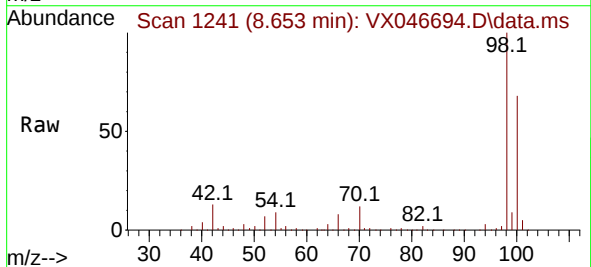
Instrument :
MSVOA_X
ClientSampleId :
WC-4

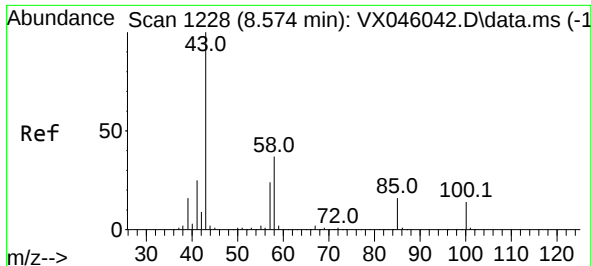
Tgt Ion: 41 Resp: 44373
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.9 51.7 77.5



#50
Toluene-d8
Concen: 53.825 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion: 98 Resp: 227177
Ion Ratio Lower Upper
98 100
100 66.7 53.5 80.3

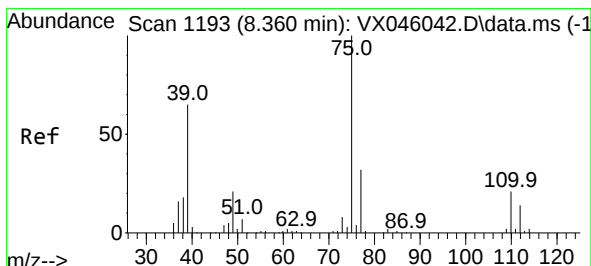
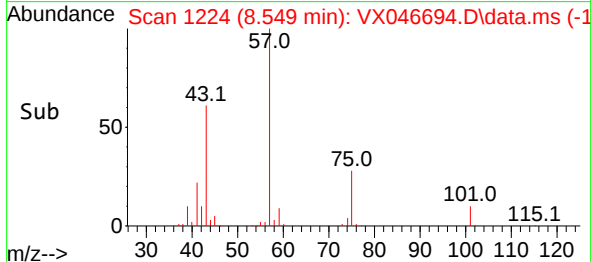
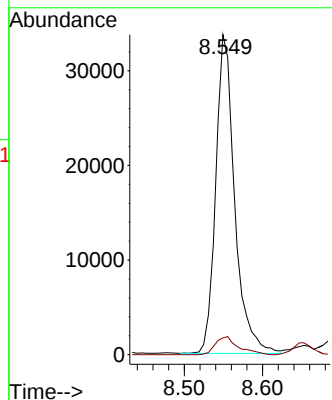
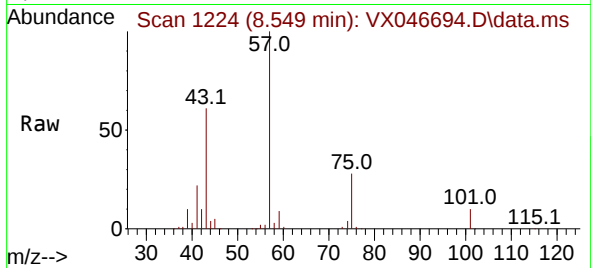




#51
4-Methyl-2-Pentanone
Concen: 28.620 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

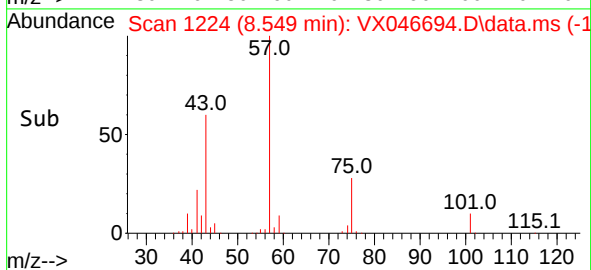
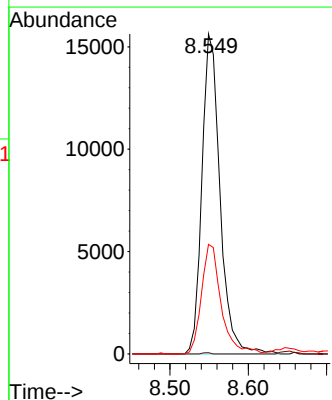
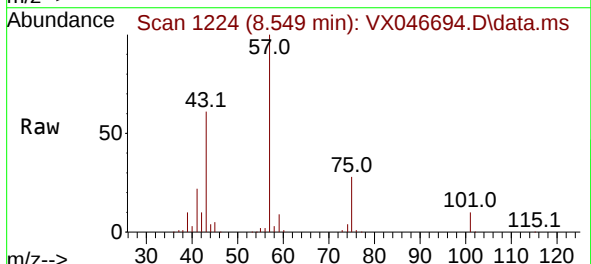
Instrument :
MSVOA_X
ClientSampleId :
WC-4

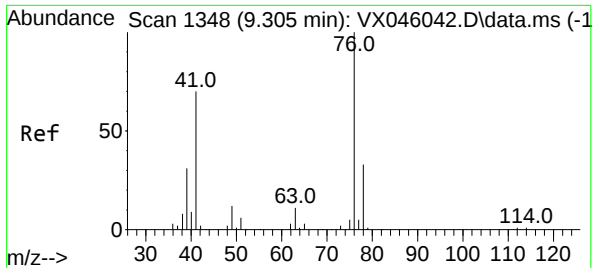
Tgt Ion: 43 Resp: 56587
Ion Ratio Lower Upper
43 100
58 6.9 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 12.217 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion: 75 Resp: 25034
Ion Ratio Lower Upper
75 100
77 0.4 25.4 38.0#
39 34.3 52.2 78.4#

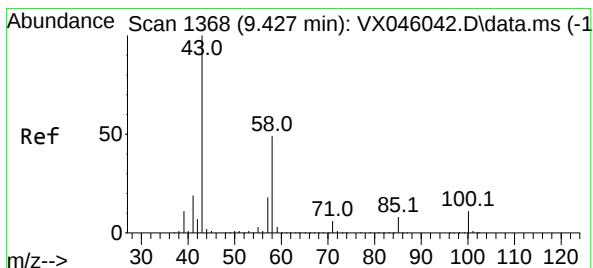
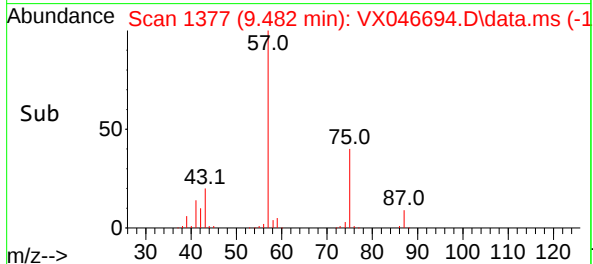
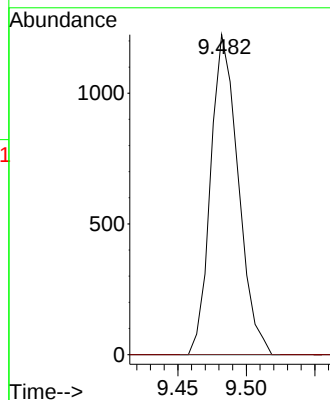
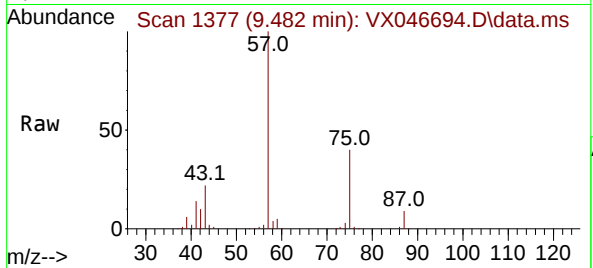




#57
1,3-Dichloropropane
Concen: 0.765 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

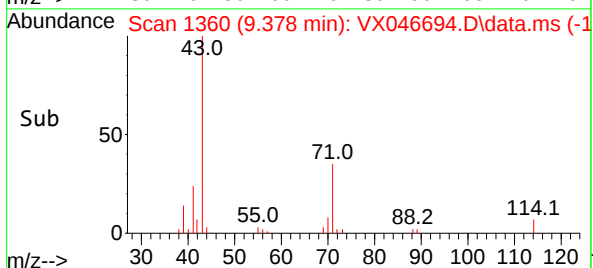
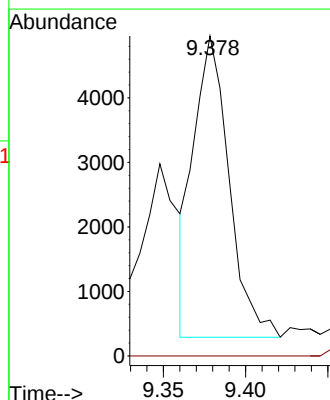
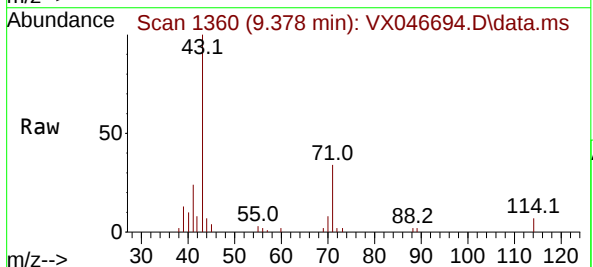
Instrument :
MSVOA_X
ClientSampleId :
WC-4

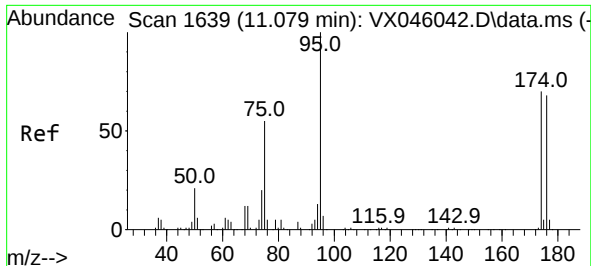
Tgt Ion: 76 Resp: 1717
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 4.936 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion: 43 Resp: 6999
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

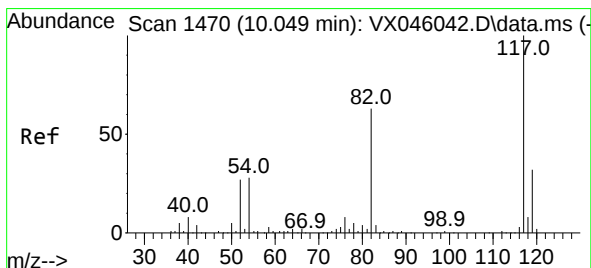
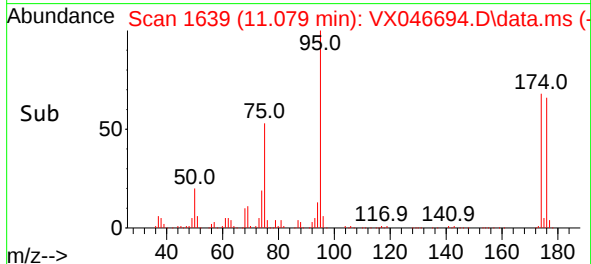
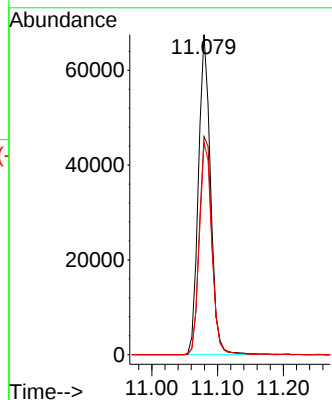
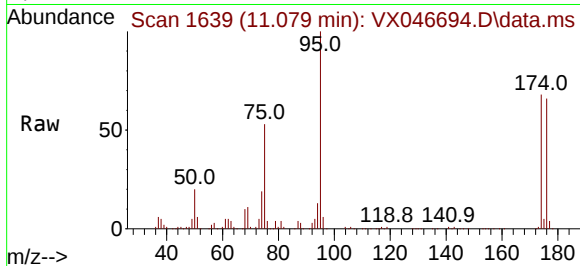




#62
4-Bromofluorobenzene
Concen: 49.218 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

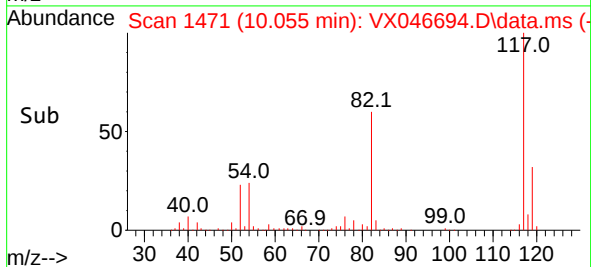
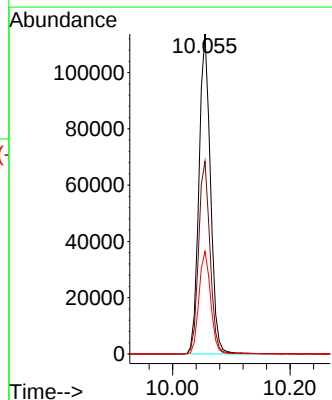
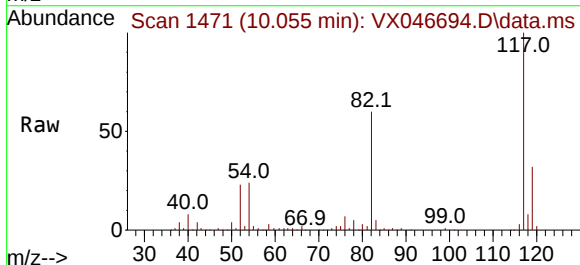
Instrument :
MSVOA_X
ClientSampleId :
WC-4

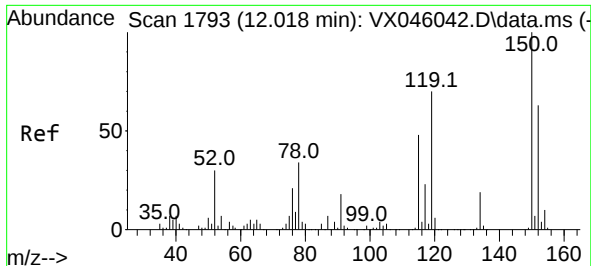
Tgt Ion: 95 Resp: 85948
Ion Ratio Lower Upper
95 100
174 71.4 0.0 135.8
176 68.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion: 117 Resp: 154316
Ion Ratio Lower Upper
117 100
82 60.2 50.6 76.0
119 32.0 25.8 38.6

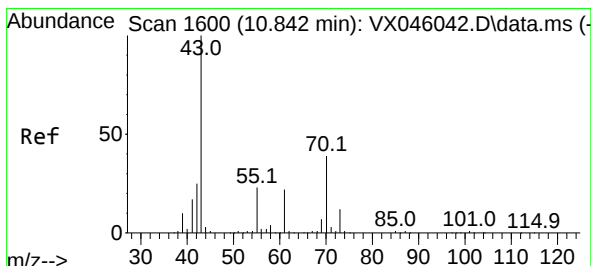
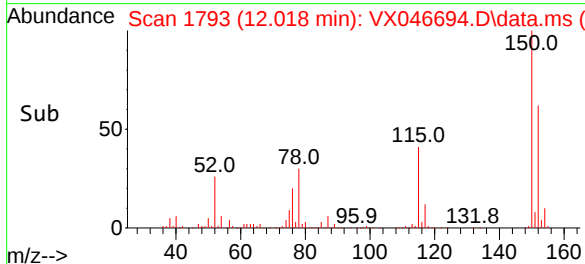
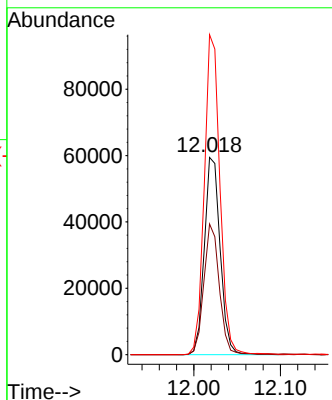
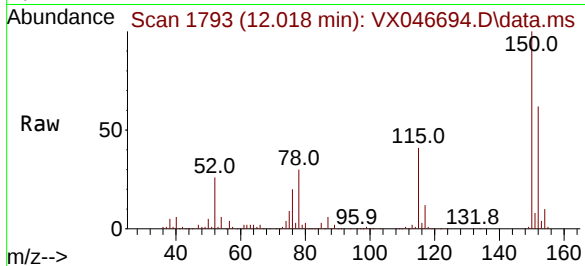




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

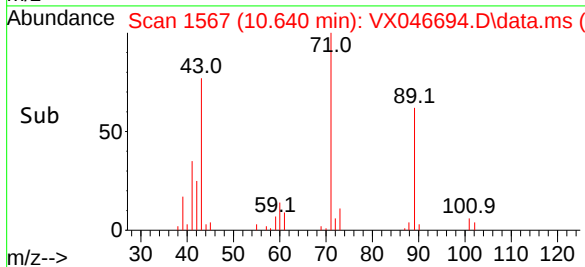
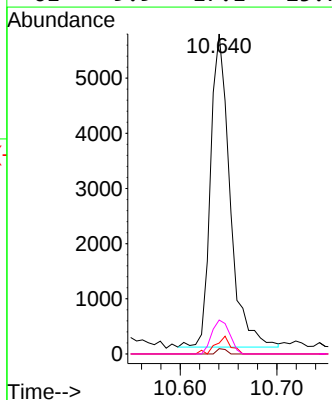
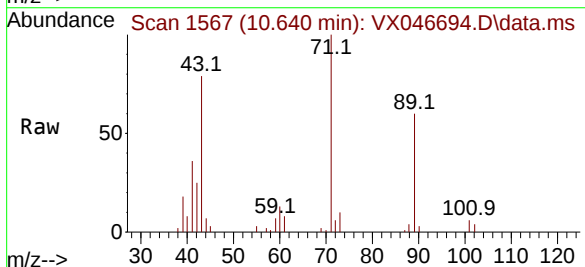
Instrument :
MSVOA_X
ClientSampleId :
WC-4

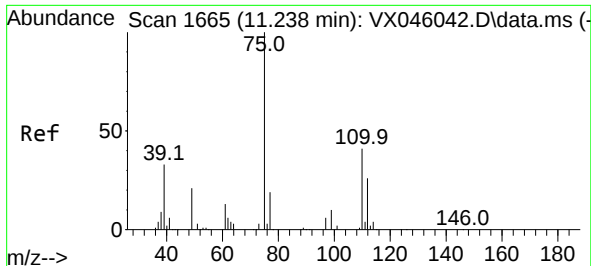
Tgt Ion:152 Resp: 75738
Ion Ratio Lower Upper
152 100
115 64.6 46.9 140.7
150 160.2 0.0 351.0



#74
N-ethyl acetate
Concen: 3.027 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion: 43 Resp: 7937
Ion Ratio Lower Upper
43 100
70 0.8 30.9 46.3#
55 4.4 18.7 28.1#
61 9.9 17.1 25.7#

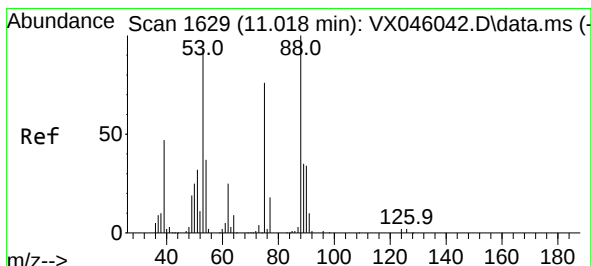
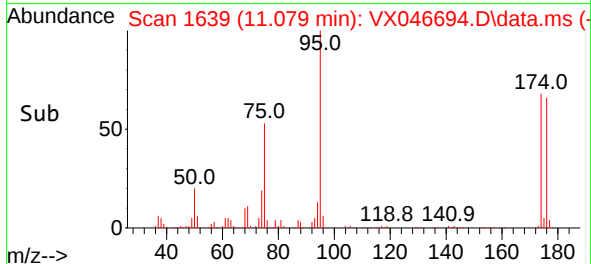
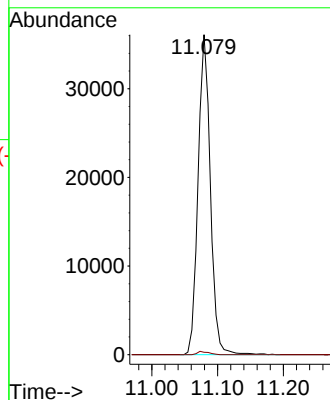
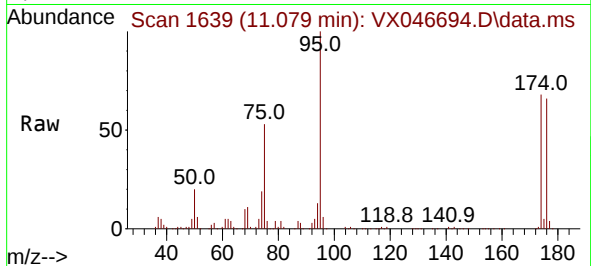




#76
1,2,3-Trichloropropane
Concen: 29.057 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Instrument :
MSVOA_X
ClientSampleId :
WC-4

Tgt Ion: 75 Resp: 46614
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.818 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046694.D
Acq: 13 Jun 2025 17:02

Tgt Ion: 75 Resp: 46614
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.1 37.0 55.6#

