

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046670.D
 Acq On : 12 Jun 2025 17:40
 Operator : JC/MD
 Sample : Q2278-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Jun 13 01:47:18 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)

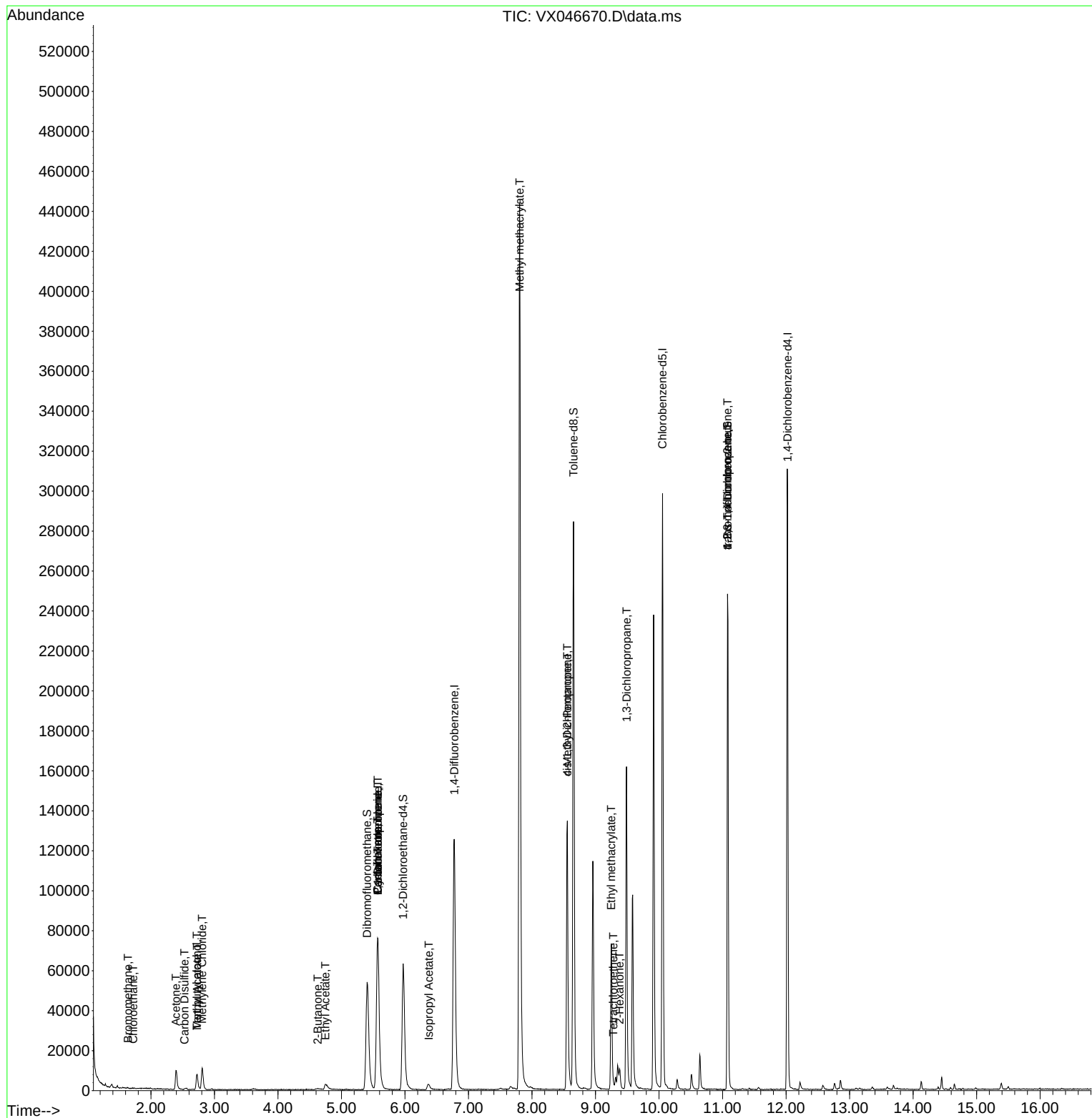
Internal Standards						
1) Pentafluorobenzene	5.574	168	74738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	135161	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	66208	49.793	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.580%
35) Dibromofluoromethane	5.403	113	50947	51.256	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.520%
50) Toluene-d8	8.653	98	168219	51.333	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.660%
62) 4-Bromofluorobenzene	11.079	95	69068	50.941	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.880%
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	134	0.234	ug/l #	64
6) Chloroethane	1.721	64	181	0.296	ug/l #	44
11) Tert butyl alcohol	2.721	59	888	6.019	ug/l #	72
16) Acetone	2.392	43	12796	28.651	ug/l	99
17) Carbon Disulfide	2.526	76	260	0.340	ug/l #	76
18) Methyl Acetate	2.727	43	11271	7.116	ug/l	100
20) Methylene Chloride	2.806	84	5125	4.804	ug/l	87
25) 2-Butanone	4.623	43	1014	1.370	ug/l #	85
31) Cyclohexane	5.568	56	1803	1.166	ug/l #	8
36) 1,1-Dichloropropene	5.574	75	6629	4.669	ug/l #	51
37) Ethyl Acetate	4.745	43	5388	3.888	ug/l #	93
38) Carbon Tetrachloride	5.574	117	8784	5.524	ug/l #	17
43) Isopropyl Acetate	6.373	43	4172	1.727	ug/l	100
48) Methyl methacrylate	7.805	41	42606	34.278	ug/l #	47
51) 4-Methyl-2-Pentanone	8.555	43	50599	32.960	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	21962	13.805	ug/l #	58
56) Ethyl methacrylate	9.244	69	308	0.203	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	1357	0.779	ug/l #	42
59) 2-Hexanone	9.378	43	7493	6.806	ug/l #	28
64) Tetrachloroethene	9.281	164	182	0.218	ug/l #	87
76) 1,2,3-Trichloropropane	11.079	75	35853	26.579	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35853	76.670	ug/l #	1

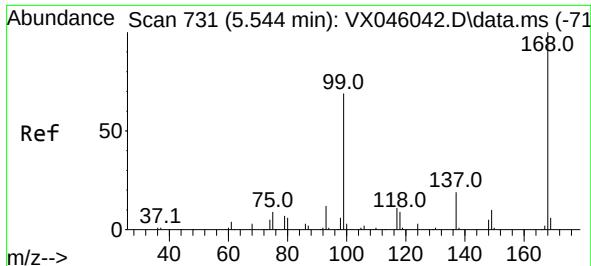
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

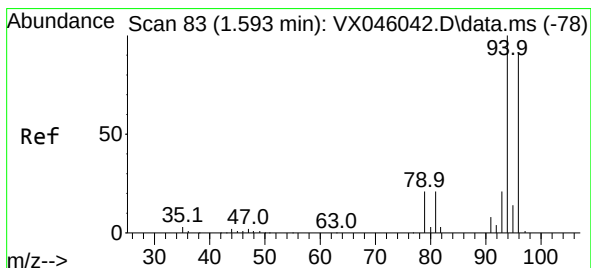
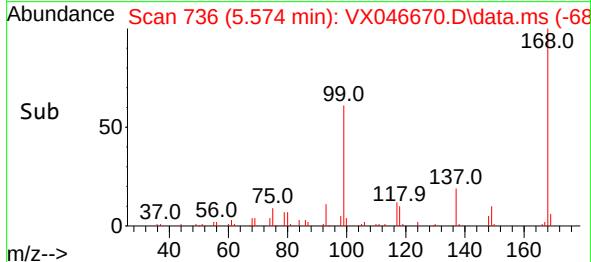
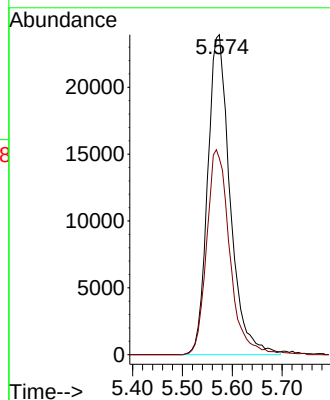
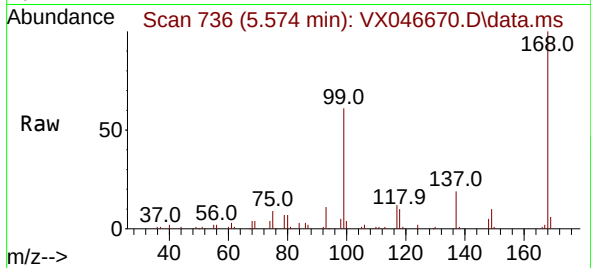




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

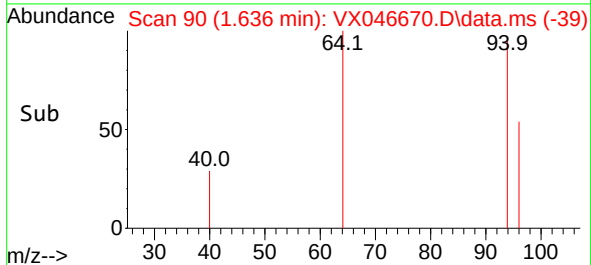
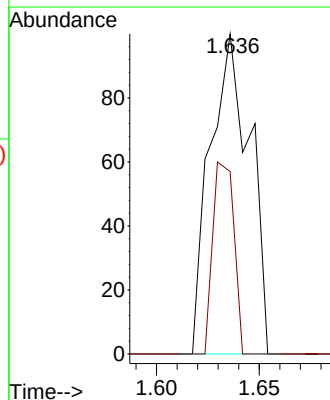
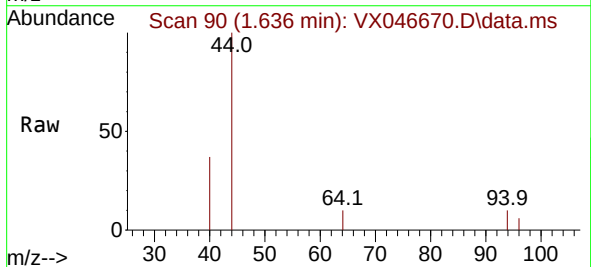
Instrument :
MSVOA_X
ClientSampleId :
TP-2

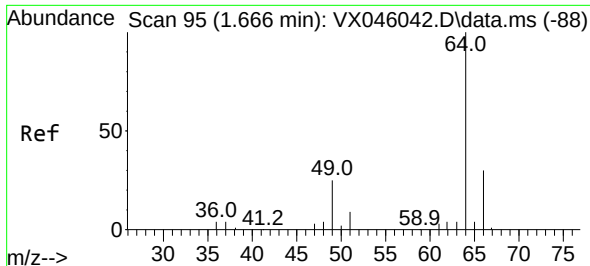
Tgt Ion:168 Resp: 74738
Ion Ratio Lower Upper
168 100
99 61.3 54.9 82.3



#5
Bromomethane
Concen: 0.234 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

Tgt Ion: 94 Resp: 134
Ion Ratio Lower Upper
94 100
96 57.0 72.8 109.2#

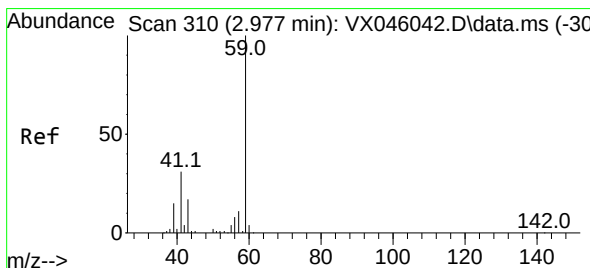
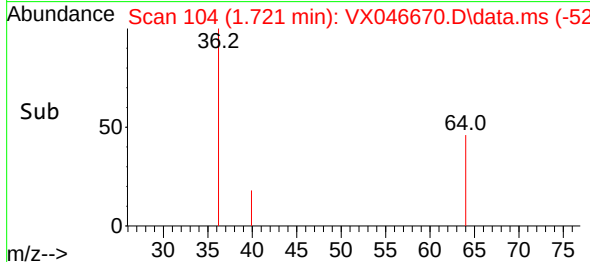
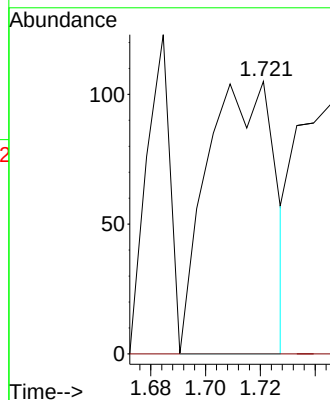
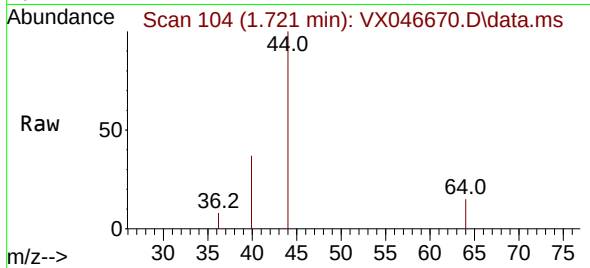




#6
 Chloroethane
 Concen: 0.296 ug/l
 RT: 1.721 min Scan# 104
 Delta R.T. 0.018 min
 Lab File: VX046670.D
 Acq: 12 Jun 2025 17:40

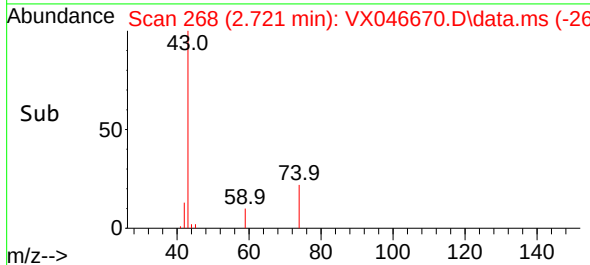
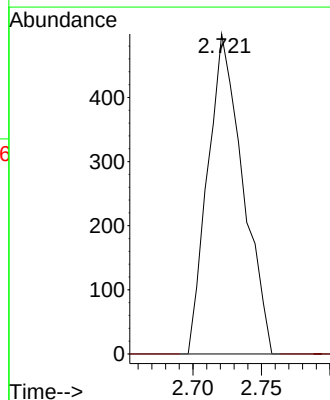
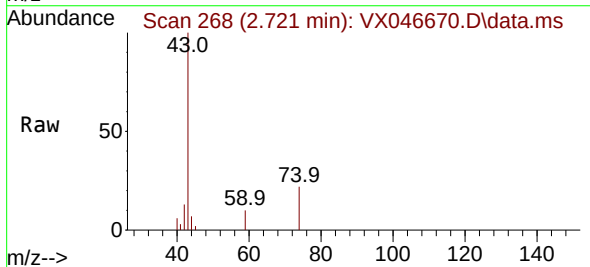
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

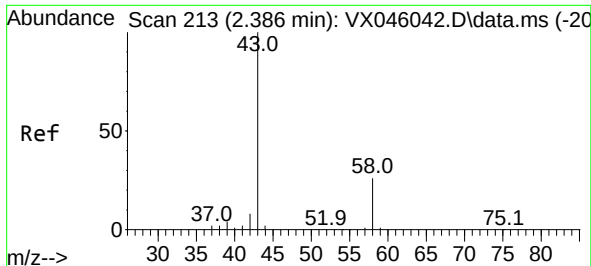
Tgt Ion: 64 Resp: 181
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.3 36.5#



#11
 Tert butyl alcohol
 Concen: 6.019 ug/l
 RT: 2.721 min Scan# 268
 Delta R.T. -0.250 min
 Lab File: VX046670.D
 Acq: 12 Jun 2025 17:40

Tgt Ion: 59 Resp: 888
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

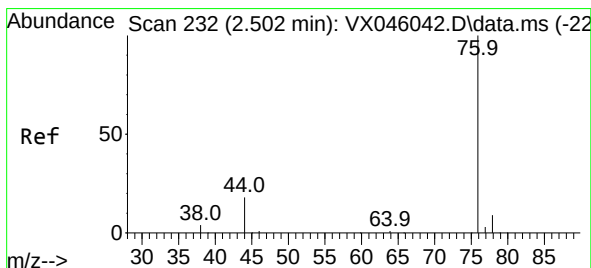
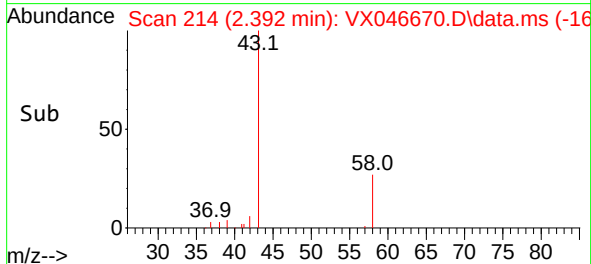
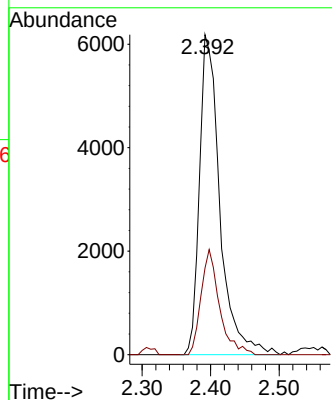
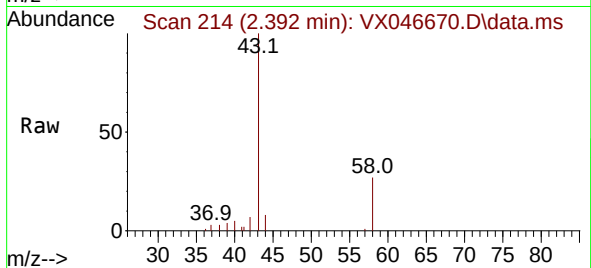




#16
Acetone
Concen: 28.651 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

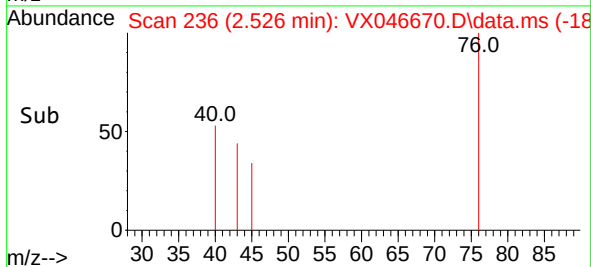
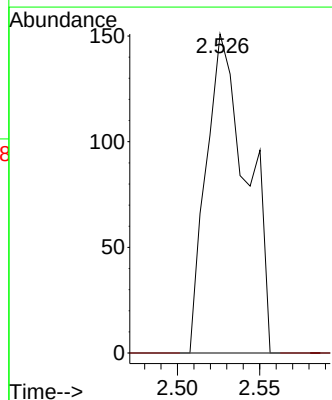
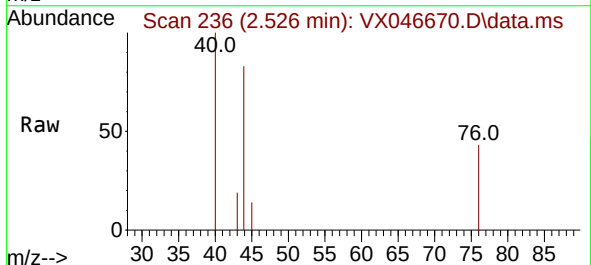
Instrument :
MSVOA_X
ClientSampleId :
TP-2

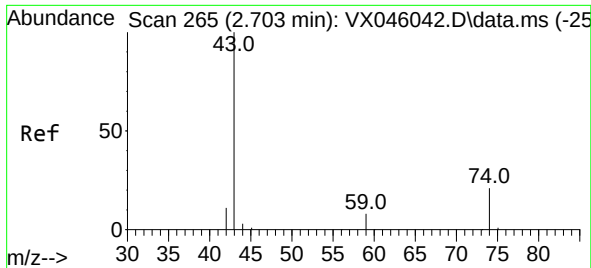
Tgt Ion: 43 Resp: 12796
Ion Ratio Lower Upper
43 100
58 27.0 21.2 31.8



#17
Carbon Disulfide
Concen: 0.340 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

Tgt Ion: 76 Resp: 260
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#





#18

Methyl Acetate

Concen: 7.116 ug/l

RT: 2.727 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX046670.D

Acq: 12 Jun 2025 17:40

Instrument :

MSVOA_X

ClientSampleId :

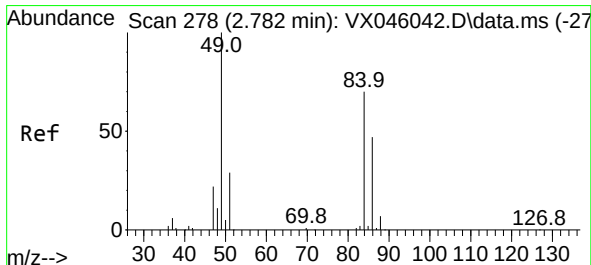
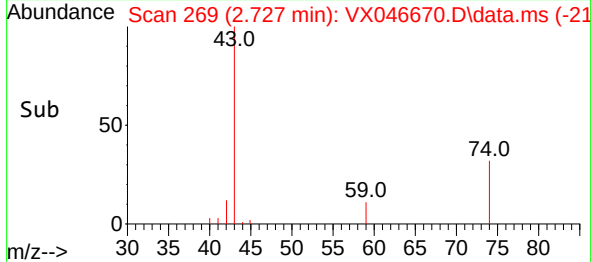
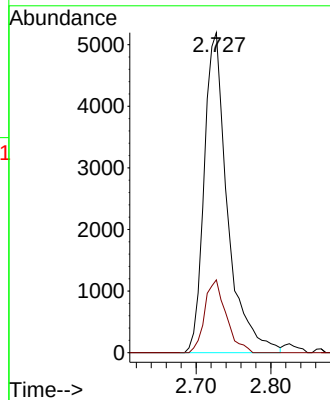
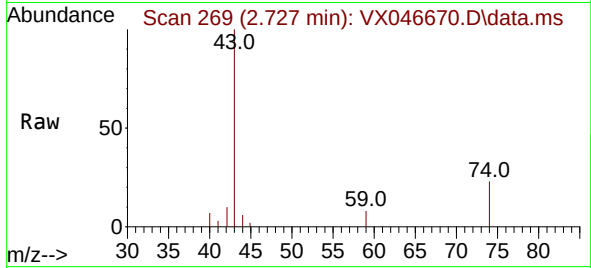
TP-2

Tgt Ion: 43 Resp: 11271

Ion Ratio Lower Upper

43 100

74 20.8 16.7 25.1



#20

Methylene Chloride

Concen: 4.804 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX046670.D

Acq: 12 Jun 2025 17:40

Tgt Ion: 84 Resp: 5125

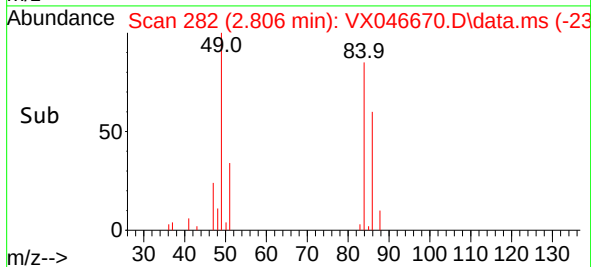
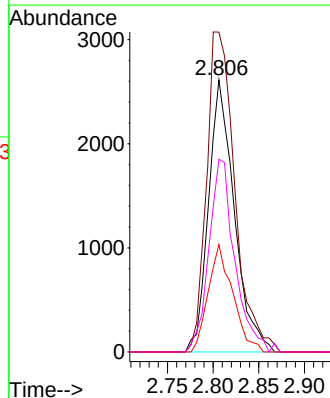
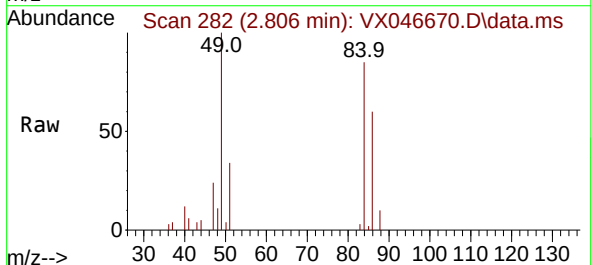
Ion Ratio Lower Upper

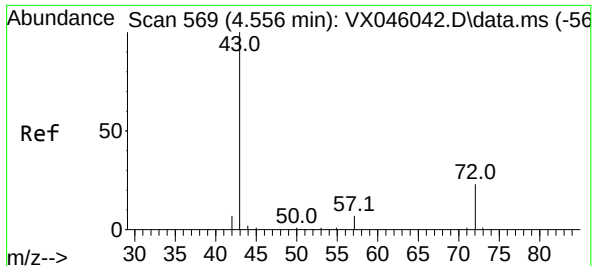
84 100

49 117.6 113.9 170.9

51 39.5 33.5 50.3

86 70.8 53.8 80.8





#25

2-Butanone

Concen: 1.370 ug/l

RT: 4.623 min Scan# 51

Delta R.T. 0.049 min

Lab File: VX046670.D

Acq: 12 Jun 2025 17:40

Instrument :

MSVOA_X

ClientSampleId :

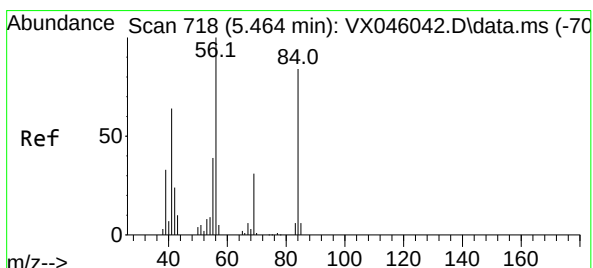
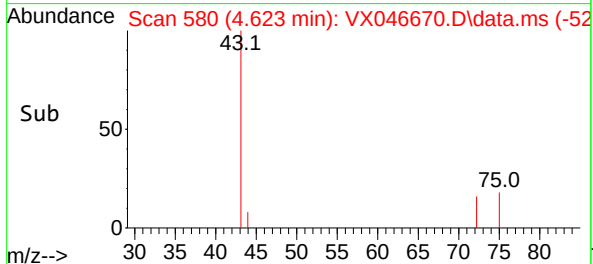
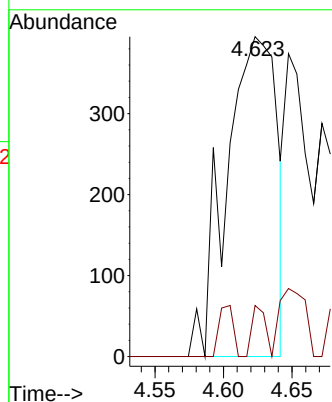
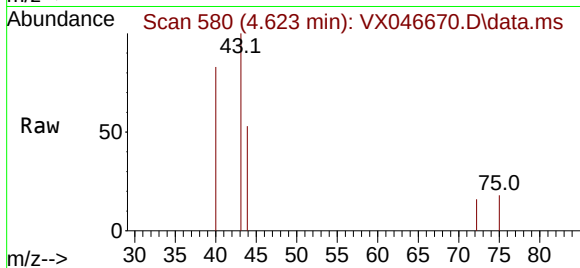
TP-2

Tgt Ion: 43 Resp: 1014

Ion Ratio Lower Upper

43 100

72 15.9 18.4 27.6#



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.079 min

Lab File: VX046670.D

Acq: 12 Jun 2025 17:40

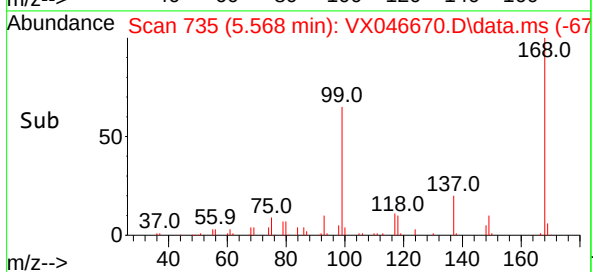
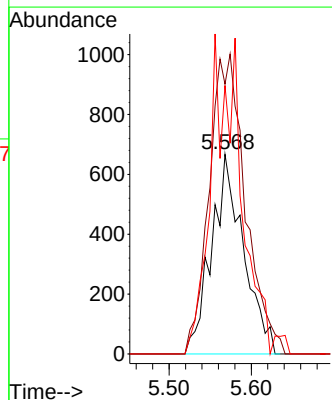
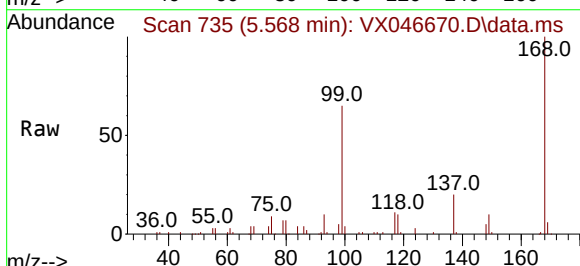
Tgt Ion: 56 Resp: 1803

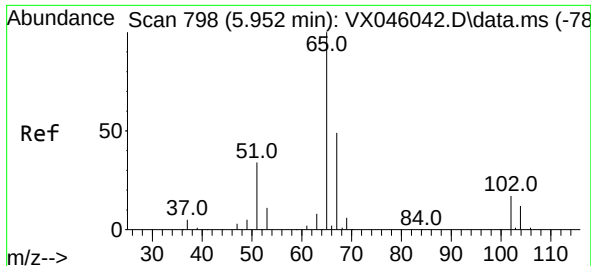
Ion Ratio Lower Upper

56 100

69 135.1 24.4 36.6#

84 134.5 66.9 100.3#

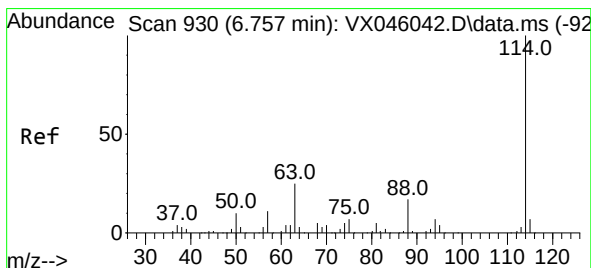
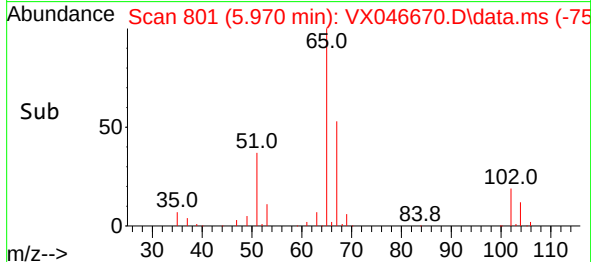
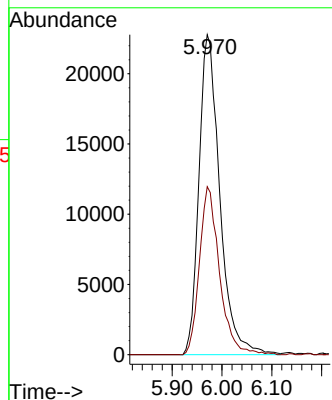
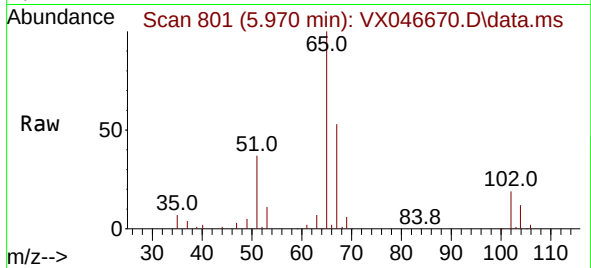




#33
 1,2-Dichloroethane-d4
 Concen: 49.793 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: VX046670.D
 Acq: 12 Jun 2025 17:40

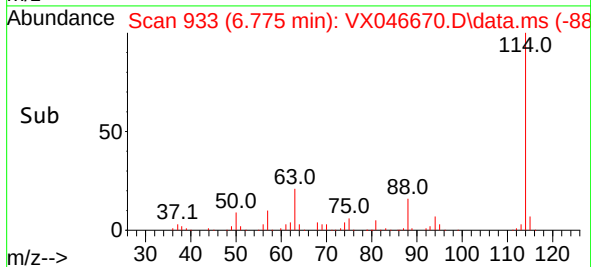
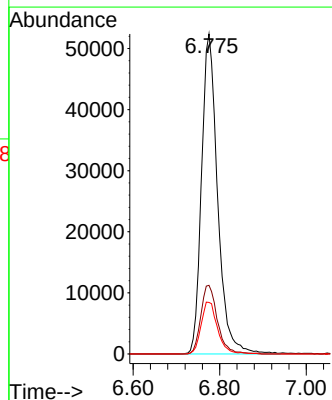
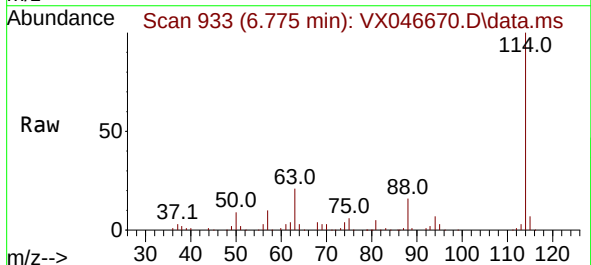
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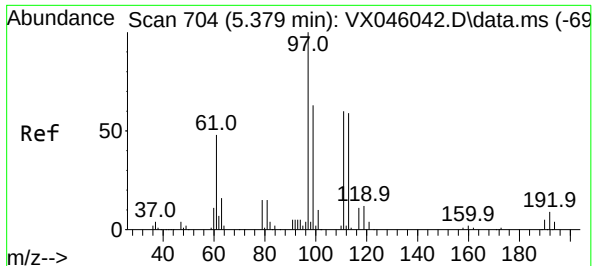
Tgt Ion: 65 Resp: 66208
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.000 min
 Lab File: VX046670.D
 Acq: 12 Jun 2025 17:40

Tgt Ion: 114 Resp: 135161
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 49.2
 88 16.1 0.0 33.6

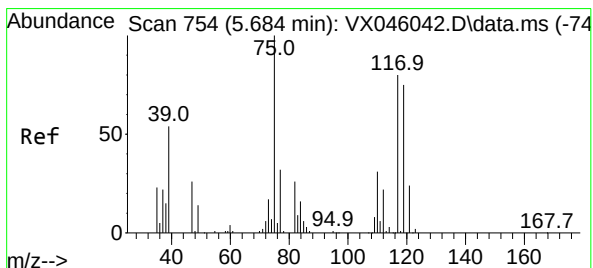
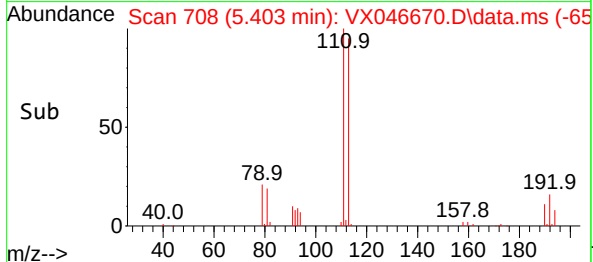
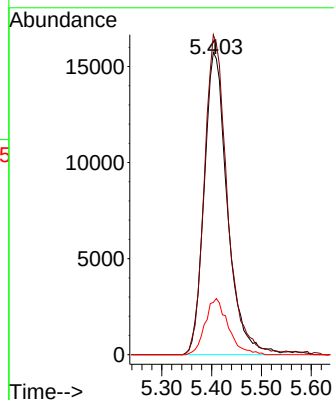
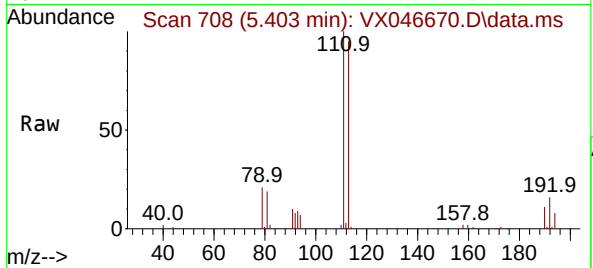




#35
Dibromofluoromethane
Concen: 51.256 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

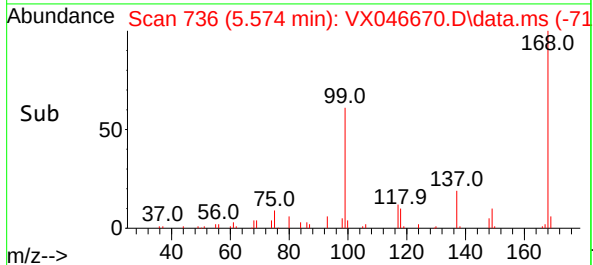
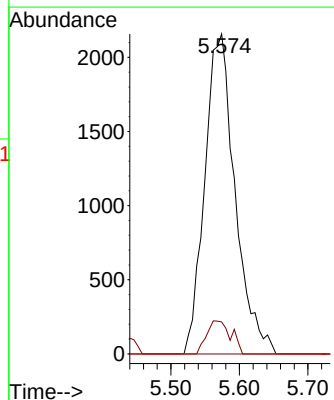
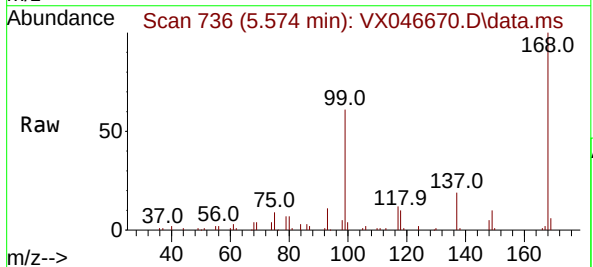
Instrument :
MSVOA_X
ClientSampleId :
TP-2

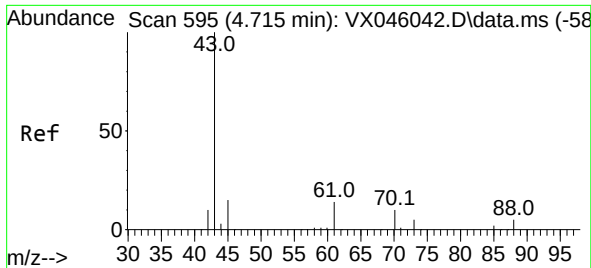
Tgt Ion:113 Resp: 50947
Ion Ratio Lower Upper
113 100
111 104.3 83.1 124.7
192 18.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.669 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.140 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

Tgt Ion: 75 Resp: 6629
Ion Ratio Lower Upper
75 100
110 8.2 16.3 48.9#
77 0.0 24.3 36.5#

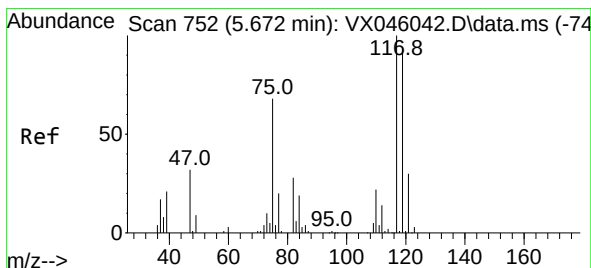
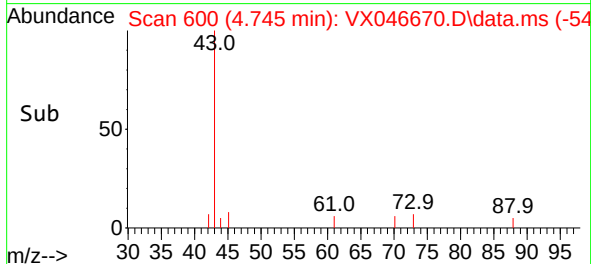
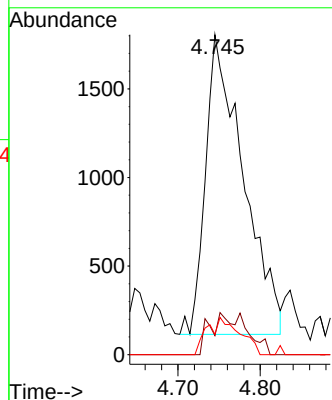
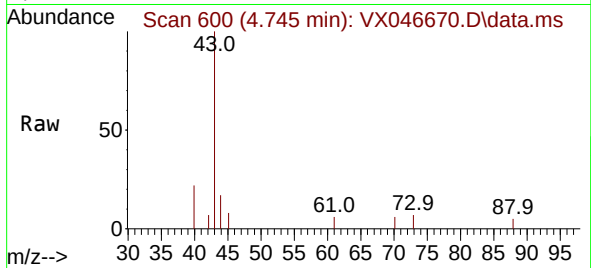




#37
Ethyl Acetate
Concen: 3.888 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

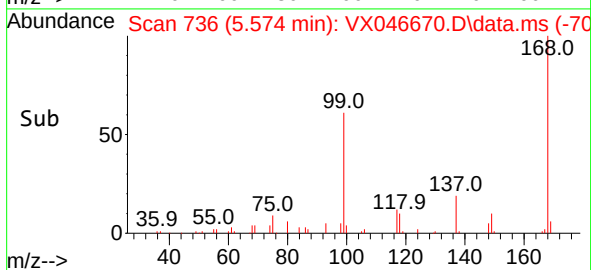
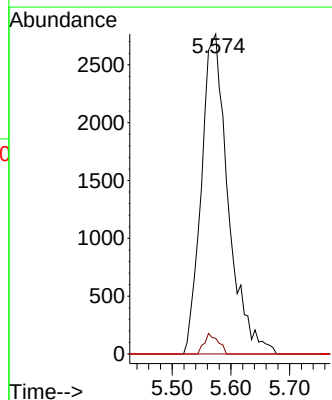
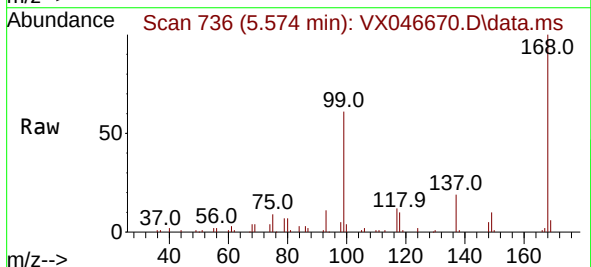
Instrument :
MSVOA_X
ClientSampleId :
TP-2

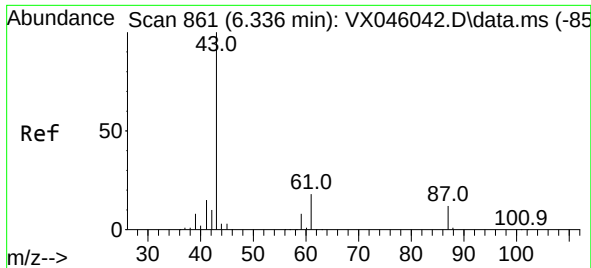
Tgt Ion: 43 Resp: 5388
Ion Ratio Lower Upper
43 100
61 8.6 10.3 15.5#
70 10.8 7.9 11.9



#38
Carbon Tetrachloride
Concen: 5.524 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.122 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

Tgt Ion: 117 Resp: 8784
Ion Ratio Lower Upper
117 100
119 4.9 75.2 112.8#
121 0.0 24.2 36.4#

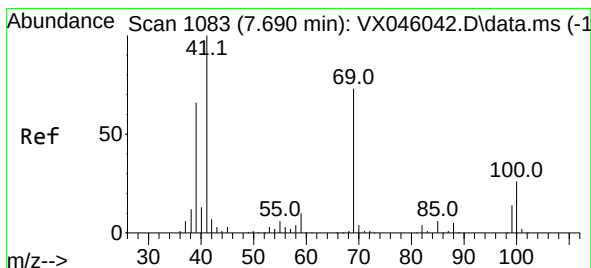
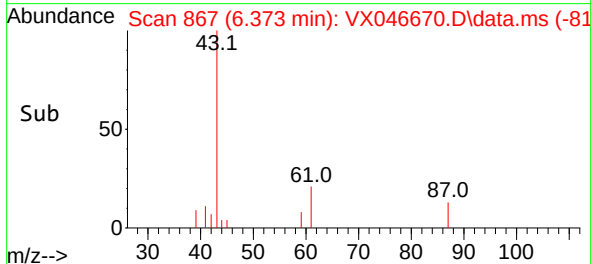
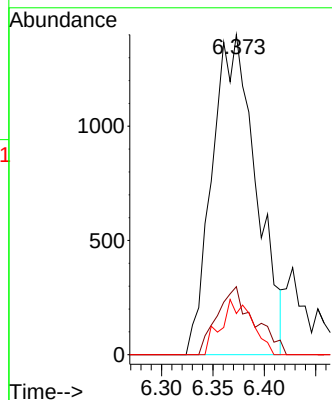
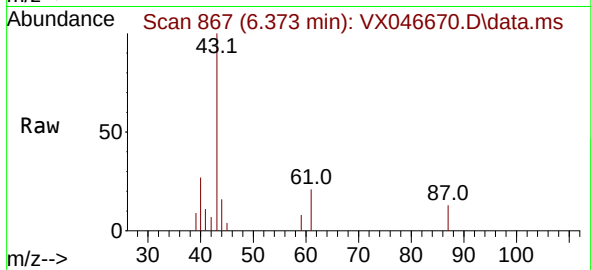




#43
Isopropyl Acetate
Concen: 1.727 ug/l
RT: 6.373 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

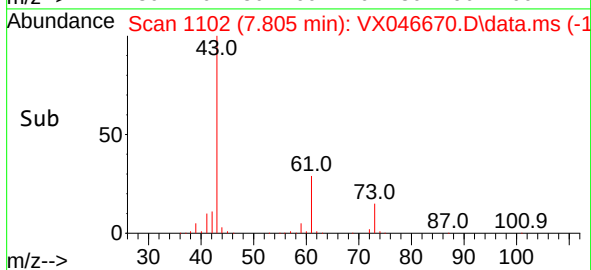
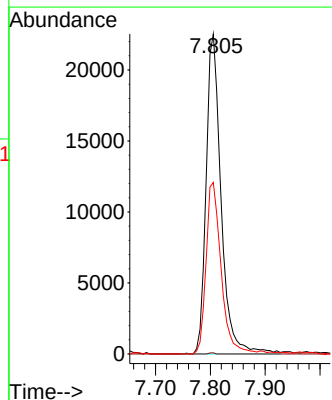
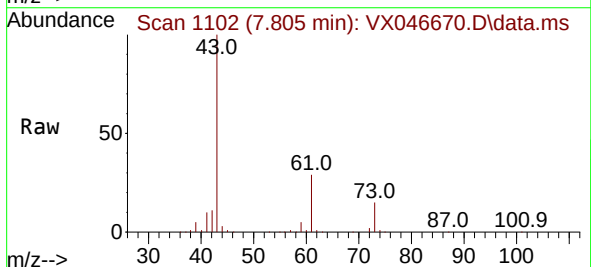
Instrument :
MSVOA_X
ClientSampleId :
TP-2

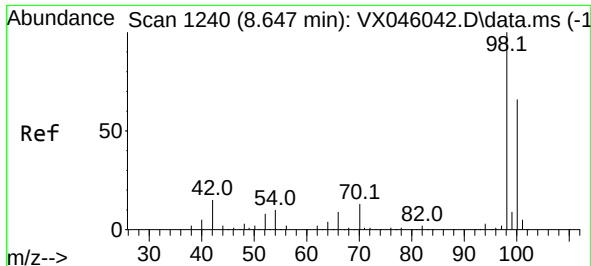
Tgt Ion: 43 Resp: 4172
Ion Ratio Lower Upper
43 100
61 17.9 14.3 21.5
87 12.3 9.5 14.3



#48
Methyl methacrylate
Concen: 34.278 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

Tgt Ion: 41 Resp: 42606
Ion Ratio Lower Upper
41 100
69 0.1 58.5 87.7#
39 53.7 51.7 77.5

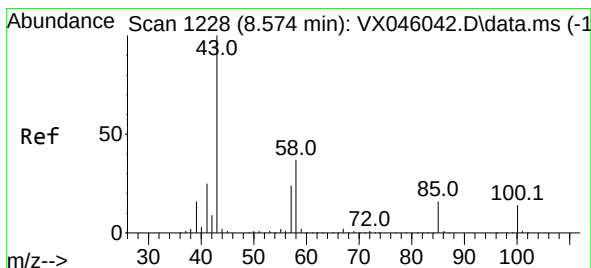
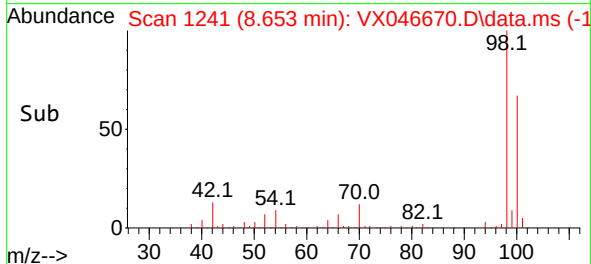
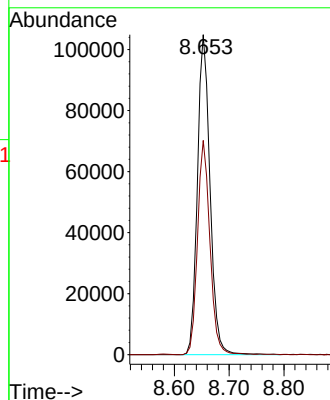
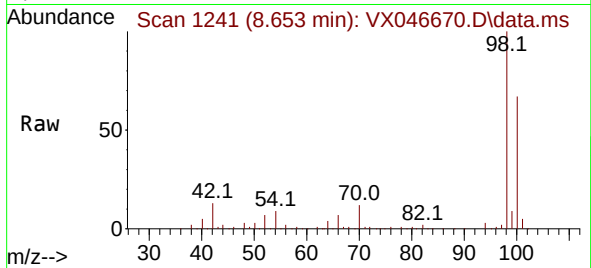




#50
Toluene-d8
Concen: 51.333 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

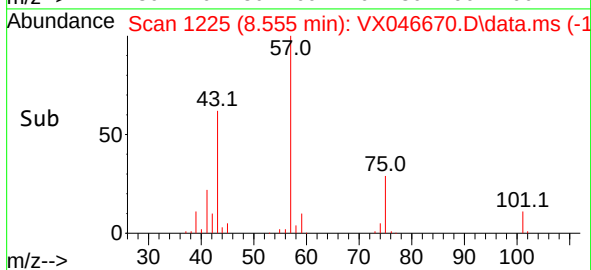
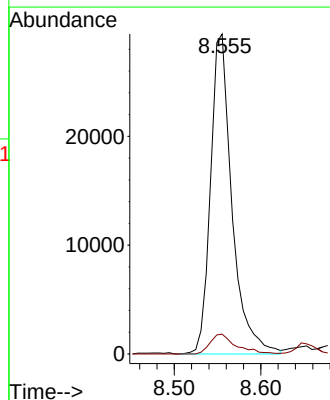
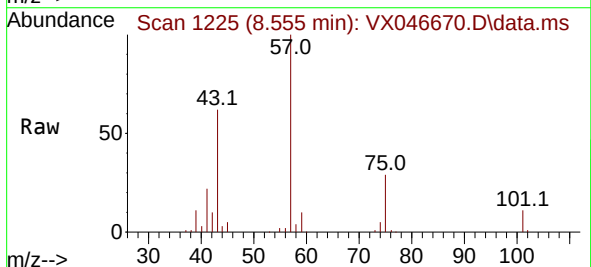
Instrument :
MSVOA_X
ClientSampleId :
TP-2

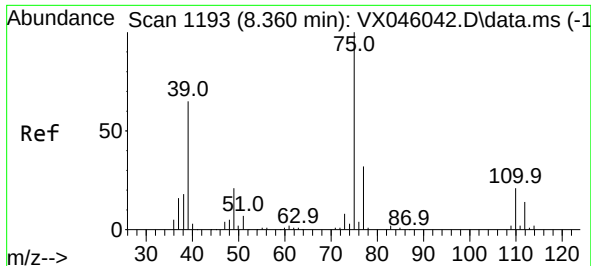
Tgt Ion: 98 Resp: 168219
Ion Ratio Lower Upper
98 100
100 65.9 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 32.960 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.018 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

Tgt Ion: 43 Resp: 50599
Ion Ratio Lower Upper
43 100
58 7.5 28.9 43.3#

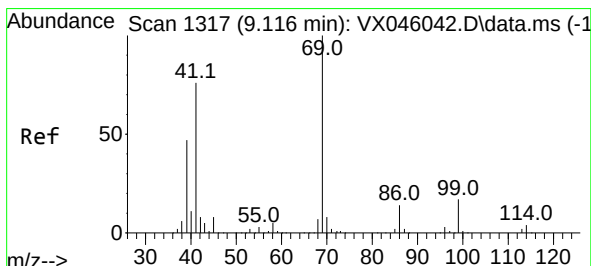
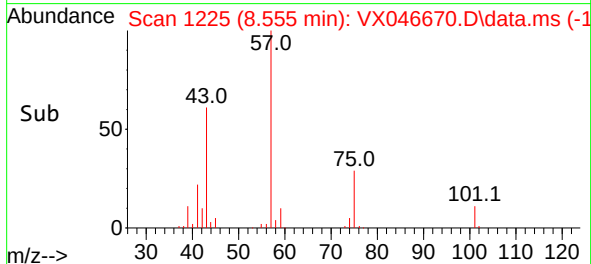
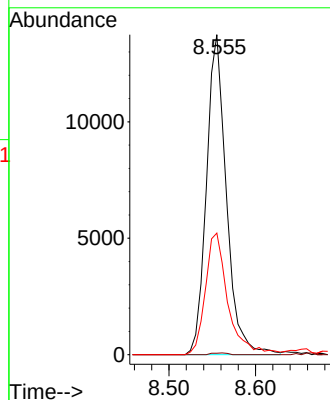
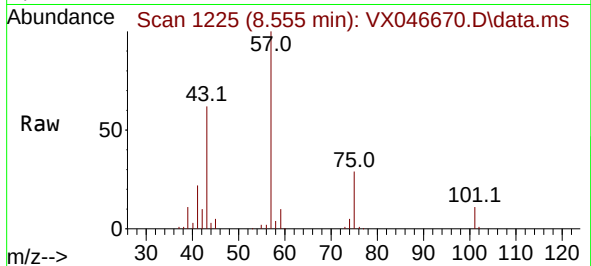




#54
 cis-1,3-Dichloropropene
 Concen: 13.805 ug/l
 RT: 8.555 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX046670.D
 Acq: 12 Jun 2025 17:40

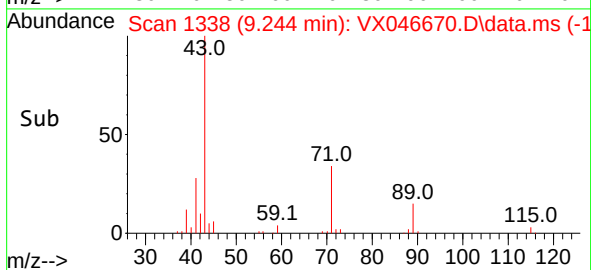
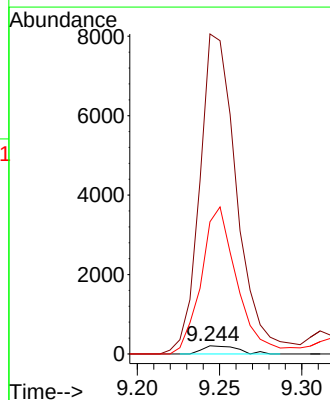
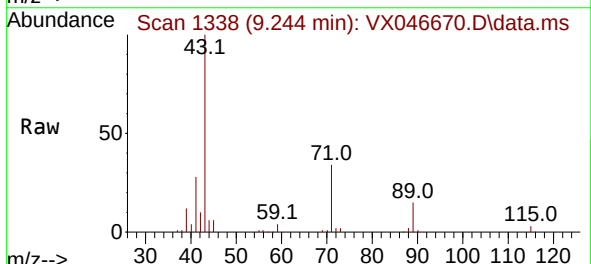
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

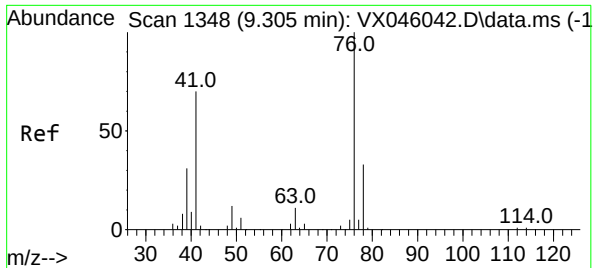
Tgt Ion: 75 Resp: 21962
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.4 38.0#
 39 38.0 52.2 78.4#



#56
 Ethyl methacrylate
 Concen: 0.203 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX046670.D
 Acq: 12 Jun 2025 17:40

Tgt Ion: 69 Resp: 308
 Ion Ratio Lower Upper
 69 100
 41 4137.7 60.8 91.2#
 39 1840.3 39.0 58.6#

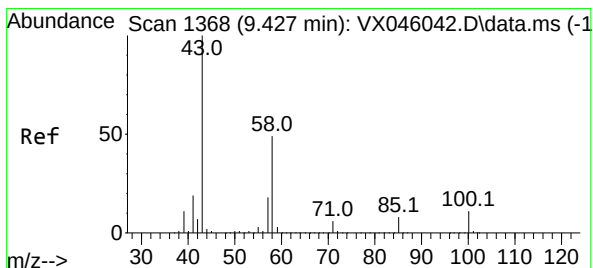
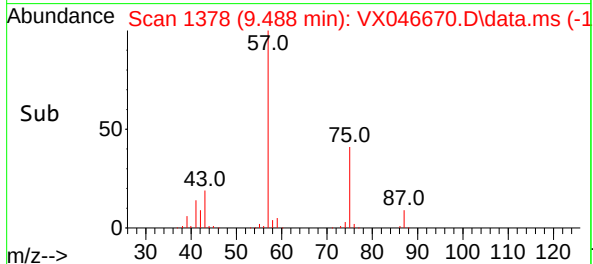
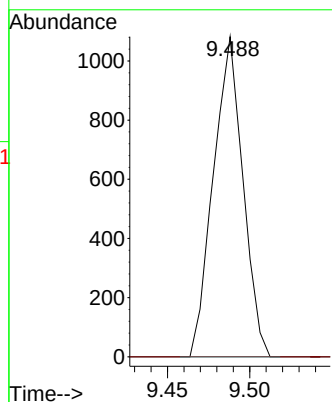
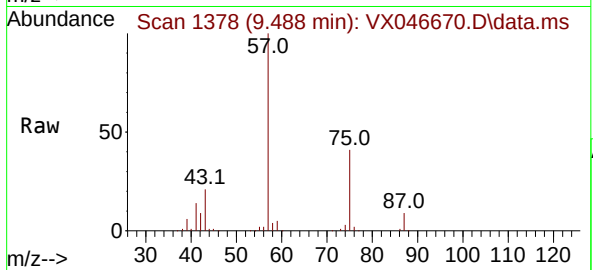




#57
1,3-Dichloropropane
Concen: 0.779 ug/l
RT: 9.488 min Scan# 1357
Delta R.T. 0.177 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

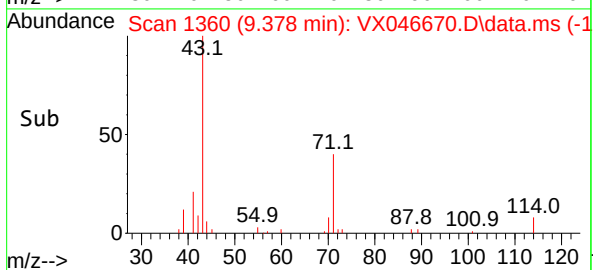
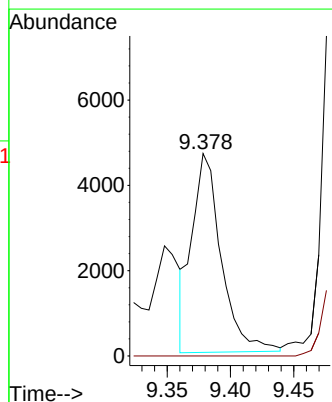
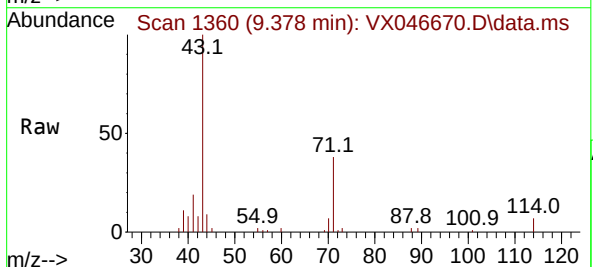
Instrument :
MSVOA_X
ClientSampleId :
TP-2

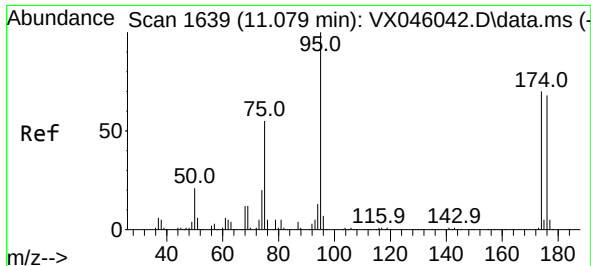
Tgt Ion: 76 Resp: 1357
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 6.806 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

Tgt Ion: 43 Resp: 7493
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

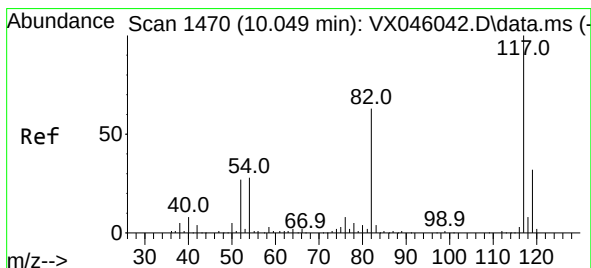
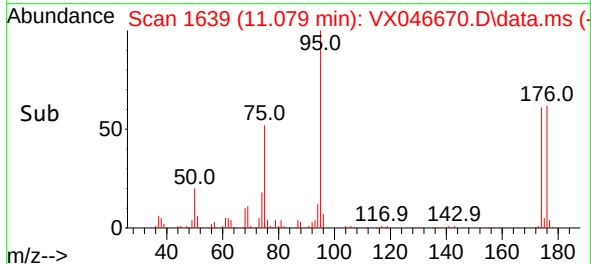
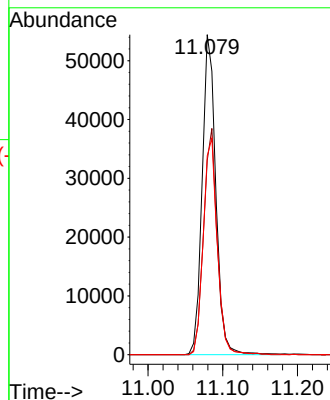
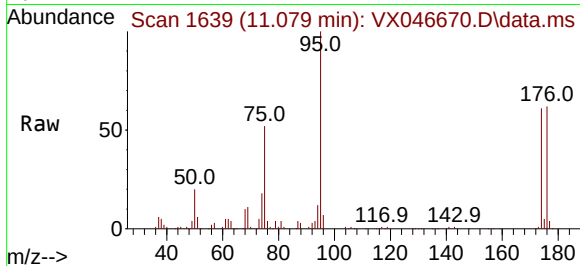




#62
4-Bromofluorobenzene
Concen: 50.941 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

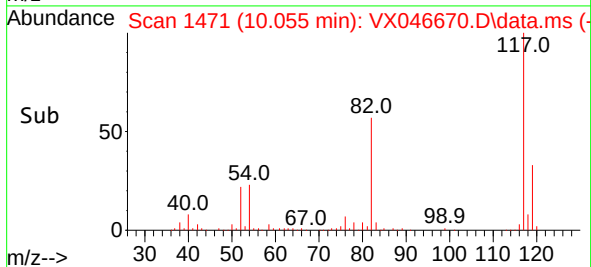
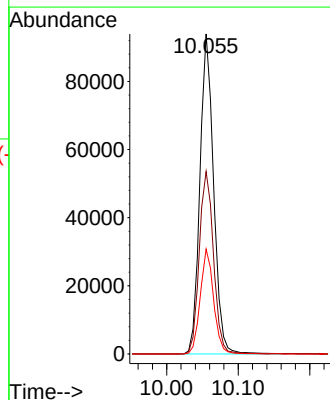
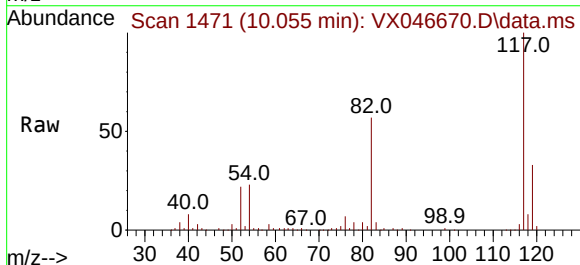
Instrument :
MSVOA_X
ClientSampleId :
TP-2

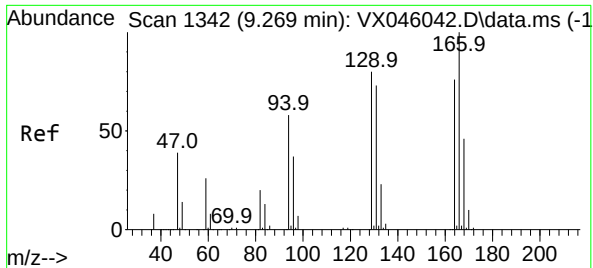
Tgt Ion: 95 Resp: 69068
Ion Ratio Lower Upper
95 100
174 70.1 0.0 135.8
176 69.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

Tgt Ion: 117 Resp: 124662
Ion Ratio Lower Upper
117 100
82 57.0 50.6 76.0
119 32.7 25.8 38.6

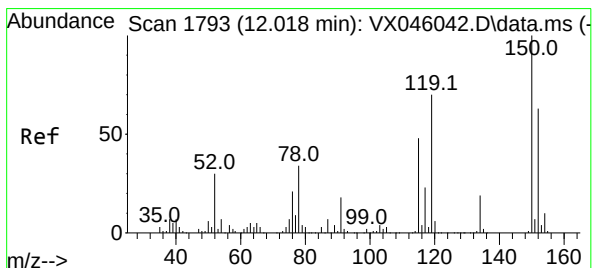
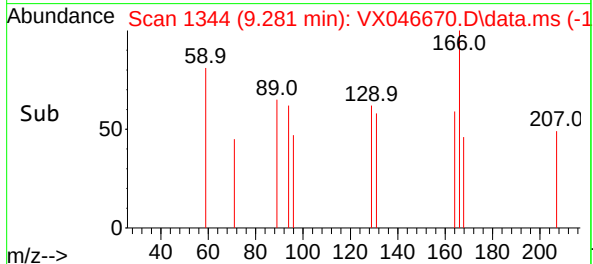
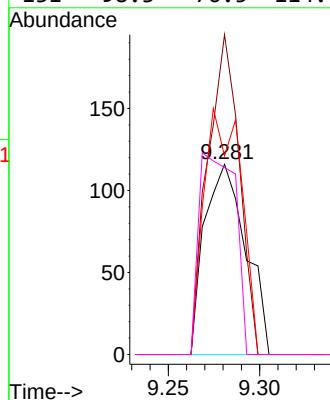
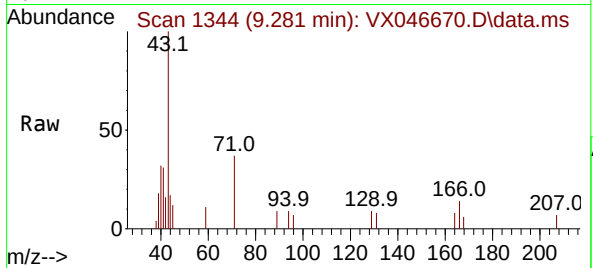




#64
Tetrachloroethene
Concen: 0.218 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

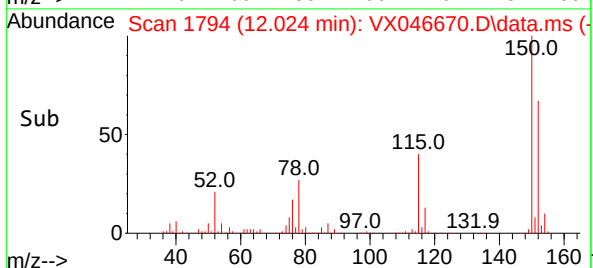
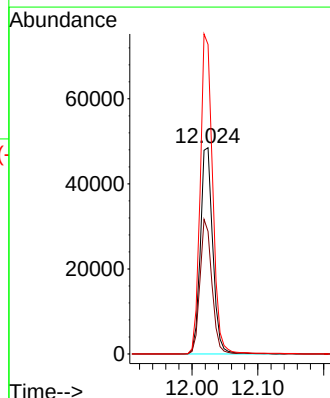
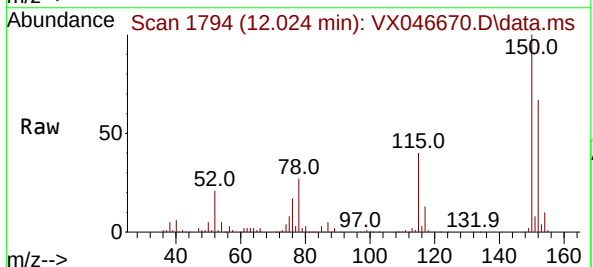
Instrument :
MSVOA_X
ClientSampleId :
TP-2

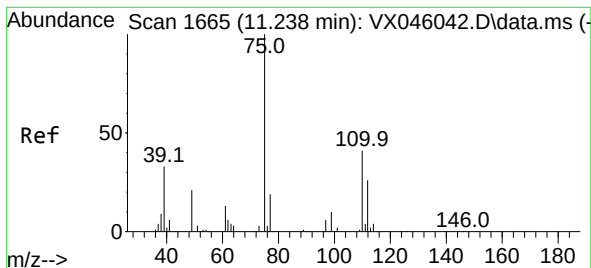
Tgt Ion:164 Resp: 182
Ion Ratio Lower Upper
164 100
166 168.1 105.0 157.6#
129 104.3 83.5 125.3
131 98.3 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046670.D
Acq: 12 Jun 2025 17:40

Tgt Ion:152 Resp: 63685
Ion Ratio Lower Upper
152 100
115 62.4 46.9 140.7
150 155.9 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 26.579 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046670.D

Acq: 12 Jun 2025 17:40

Instrument :

MSVOA_X

ClientSampleId :

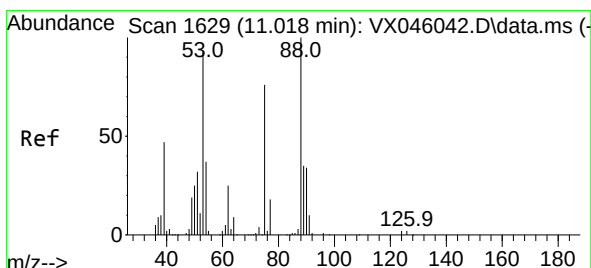
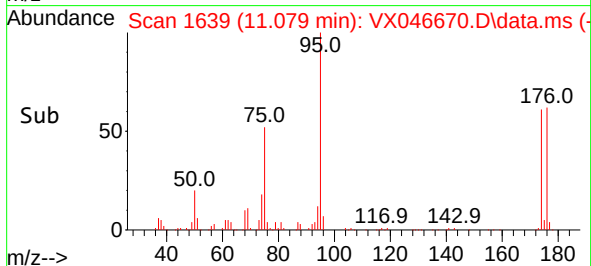
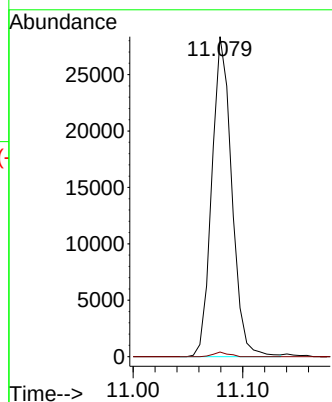
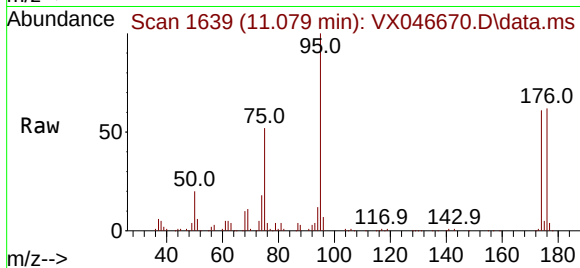
TP-2

Tgt Ion: 75 Resp: 35853

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.670 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046670.D

Acq: 12 Jun 2025 17:40

Tgt Ion: 75 Resp: 35853

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#

