

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046672.D
 Acq On : 12 Jun 2025 18:24
 Operator : JC/MD
 Sample : PB168448TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB168448TB

Quant Time: Jun 13 01:48:15 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)

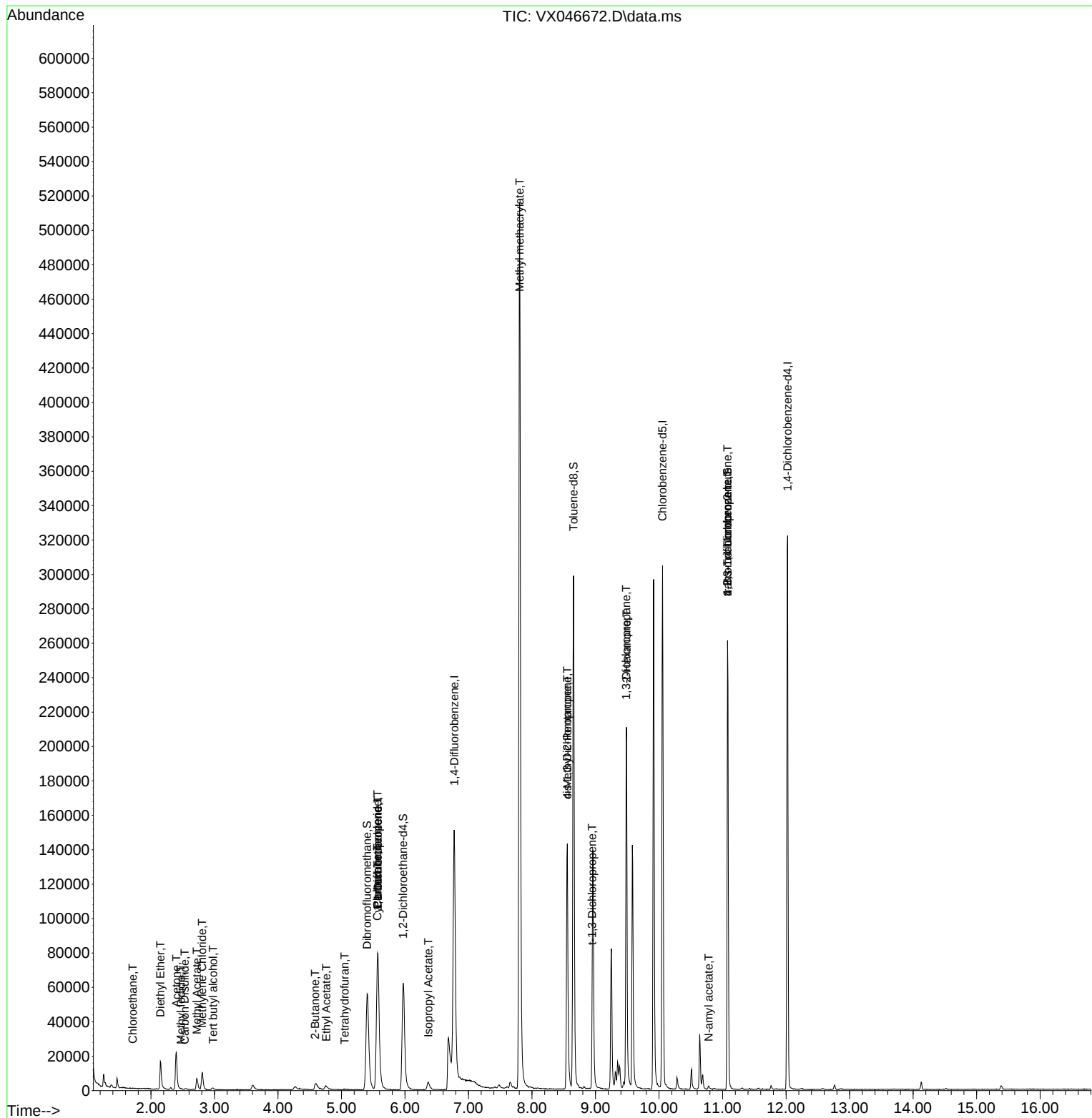
Internal Standards						
1) Pentafluorobenzene	5.568	168	78207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	142504	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	68006	48.877	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.760%			
35) Dibromofluoromethane	5.403	113	53376	50.933	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	8.653	98	173056	50.088	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.180%			
62) 4-Bromofluorobenzene	11.079	95	71489	50.010	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.020%			
Target Compounds					Qvalue	
6) Chloroethane	1.715	64	132	0.207	ug/l #	44
8) Diethyl Ether	2.148	74	6489	11.267	ug/l	89
10) Methyl Iodide	2.471	142	231	0.208	ug/l #	74
11) Tert butyl alcohol	2.977	59	981	6.354	ug/l #	72
16) Acetone	2.398	43	28073	55.030	ug/l	92
17) Carbon Disulfide	2.532	76	135	0.271	ug/l #	76
18) Methyl Acetate	2.721	43	9097	5.489	ug/l	97
20) Methylene Chloride	2.806	84	4675	4.188	ug/l	87
25) 2-Butanone	4.586	43	9149	11.812	ug/l	98
29) Tetrahydrofuran	5.050	42	250	0.511	ug/l #	68
31) Cyclohexane	5.562	56	1884	1.165	ug/l #	11
36) 1,1-Dichloropropene	5.574	75	6606	4.413	ug/l #	51
37) Ethyl Acetate	4.763	43	4612	3.157	ug/l #	93
38) Carbon Tetrachloride	5.568	117	8780	5.237	ug/l #	17
43) Isopropyl Acetate	6.367	43	7319	2.874	ug/l	99
48) Methyl methacrylate	7.805	41	48983	37.378	ug/l #	48
51) 4-Methyl-2-Pentanone	8.555	43	53113	32.815	ug/l #	51
53) t-1,3-Dichloropropene	8.945	75	337	0.223	ug/l #	43
54) cis-1,3-Dichloropropene	8.555	75	23768	14.170	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	2028	1.104	ug/l #	42
59) 2-Hexanone	9.488	43	27484	23.677	ug/l #	57
74) N-amyl acetate	10.780	43	1333	0.582	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	37729	26.914	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37729	77.636	ug/l #	1

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

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Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

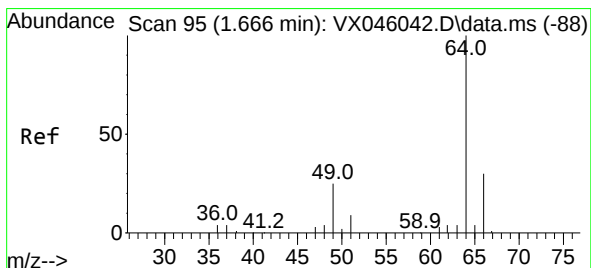
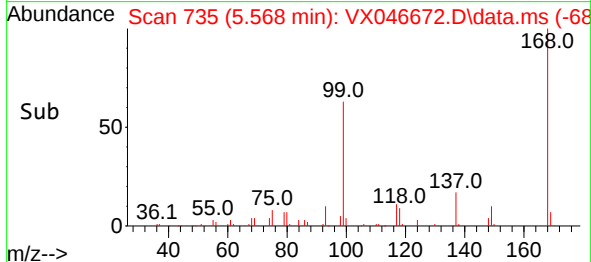
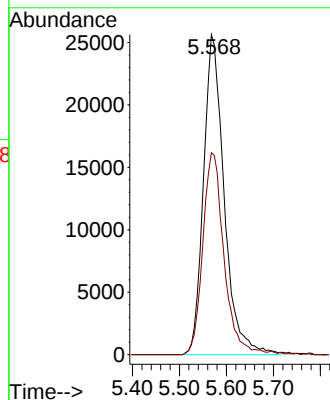
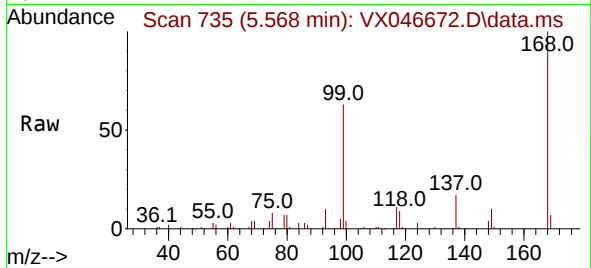




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

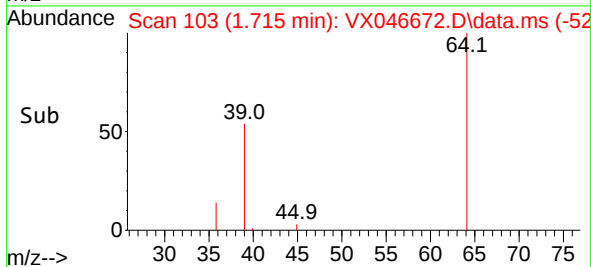
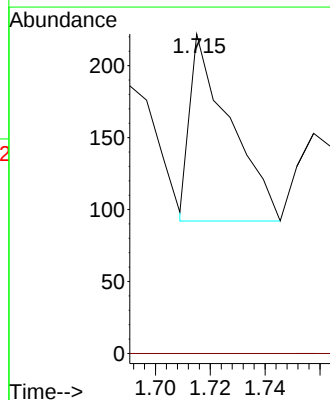
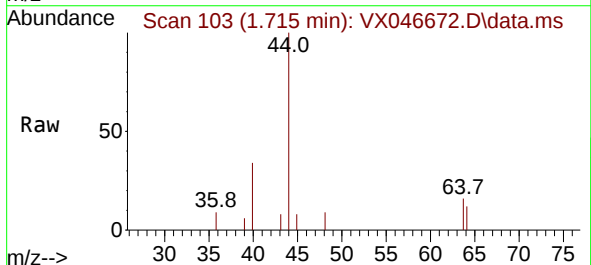
Instrument :
MSVOA_X
ClientSampleId :
PB168448TB

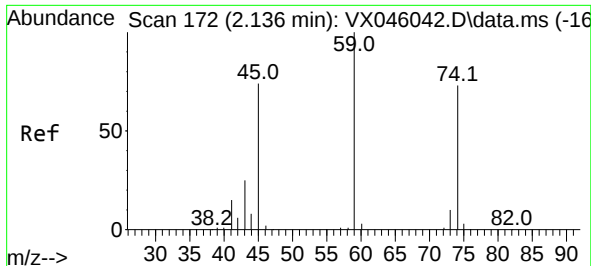
Tgt Ion:168 Resp: 78207
Ion Ratio Lower Upper
168 100
99 63.1 54.9 82.3



#6
Chloroethane
Concen: 0.207 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.012 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

Tgt Ion: 64 Resp: 132
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5

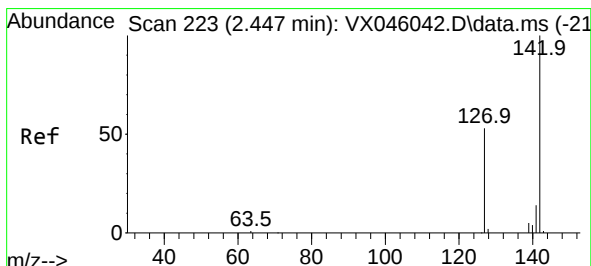
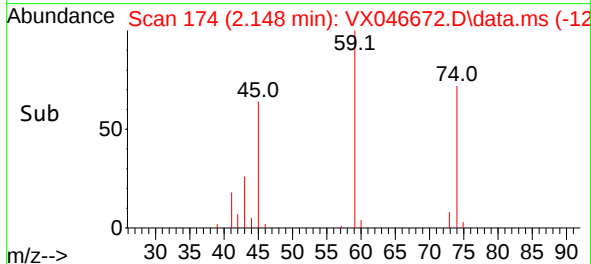
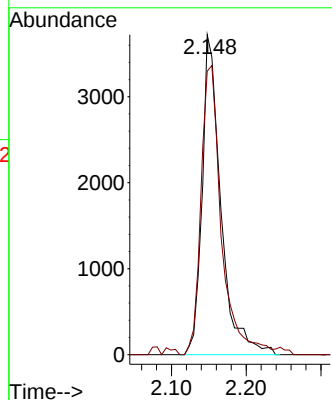
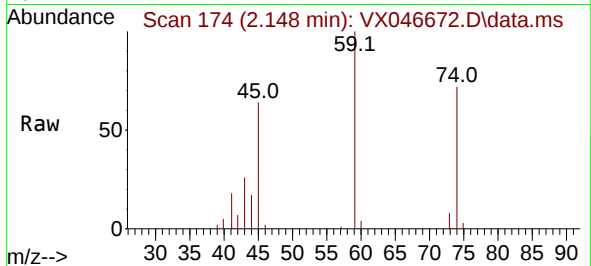




#8
Diethyl Ether
Concen: 11.267 ug/l
RT: 2.148 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

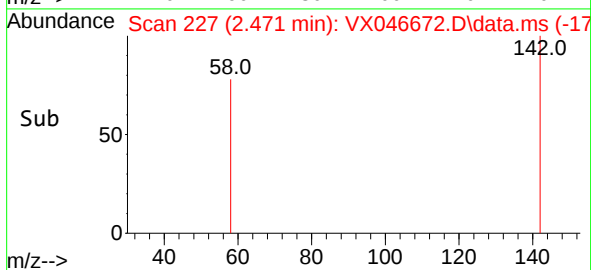
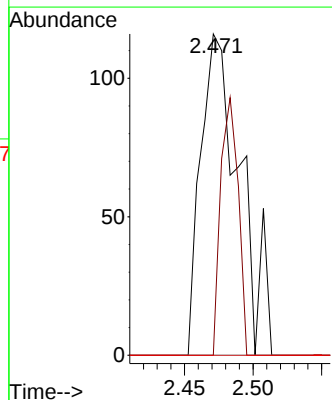
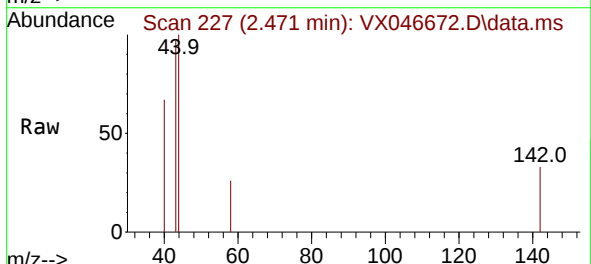
Instrument :
MSVOA_X
ClientSampleId :
PB168448TB

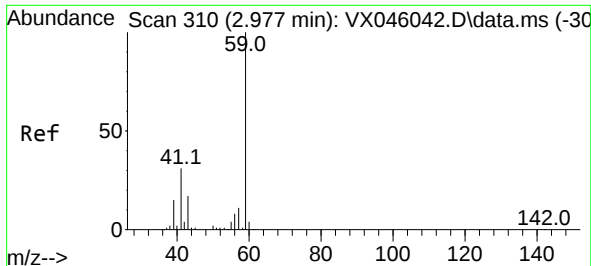
Tgt Ion: 74 Resp: 6489
Ion Ratio Lower Upper
74 100
45 98.7 54.9 164.8



#10
Methyl Iodide
Concen: 0.208 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

Tgt Ion: 142 Resp: 231
Ion Ratio Lower Upper
142 100
127 35.5 41.7 62.5#
141 0.0 11.5 17.3#

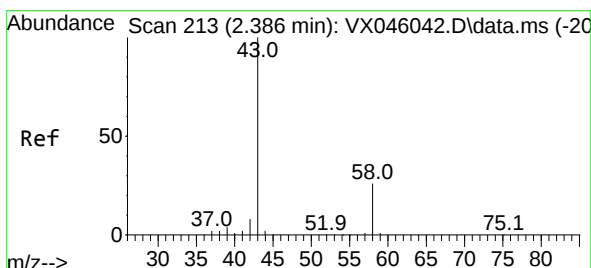
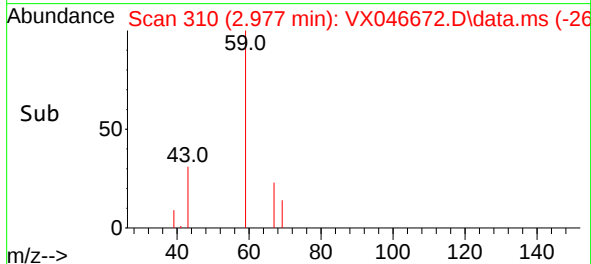
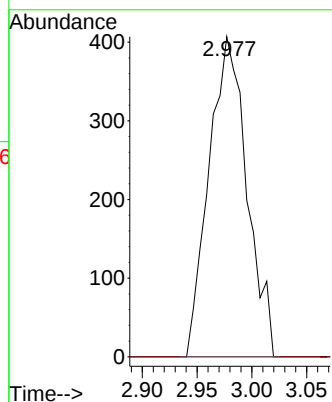
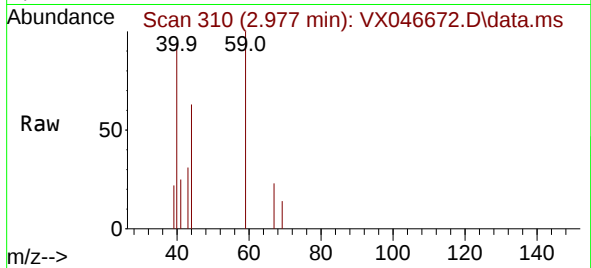




#11
Tert butyl alcohol
Concen: 6.354 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.006 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

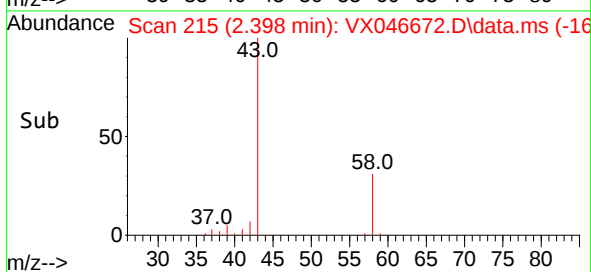
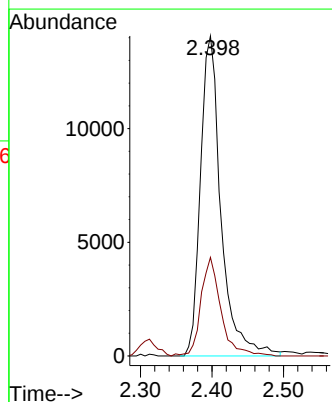
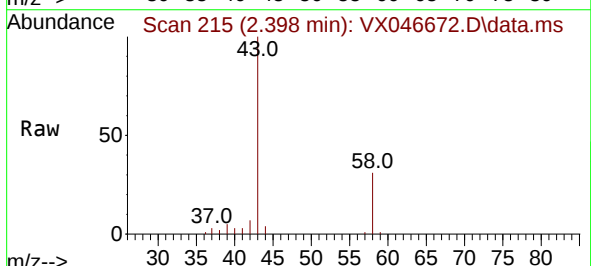
Instrument :
MSVOA_X
ClientSampleId :
PB168448TB

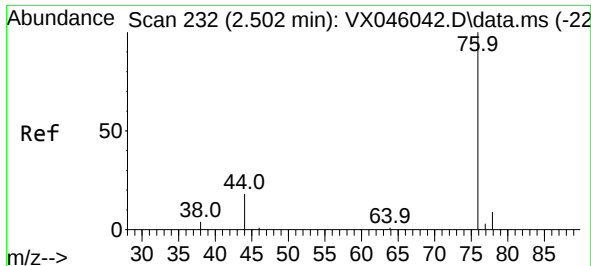
Tgt Ion: 59 Resp: 981
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 55.030 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

Tgt Ion: 43 Resp: 28073
Ion Ratio Lower Upper
43 100
58 30.8 21.2 31.8

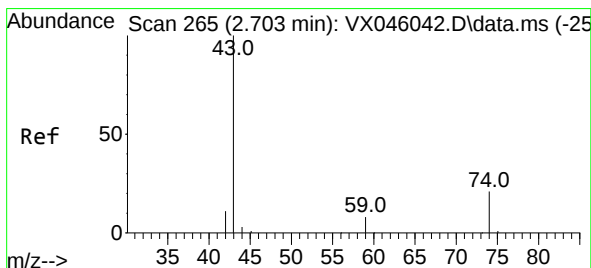
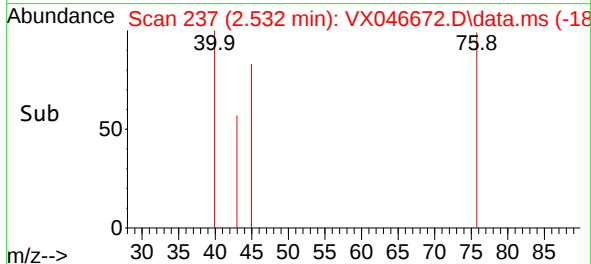
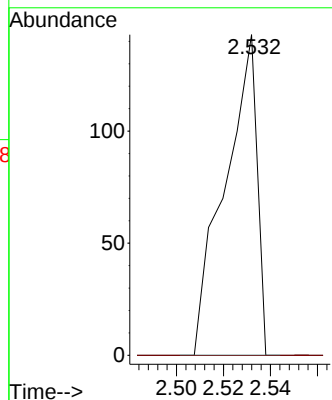
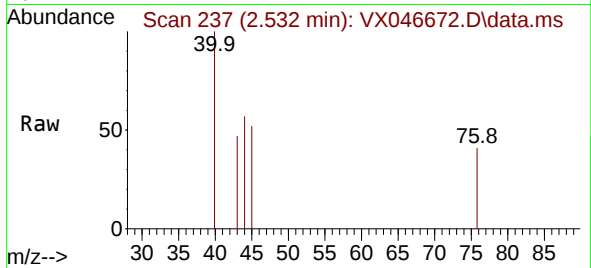




#17
Carbon Disulfide
Concen: 0.271 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

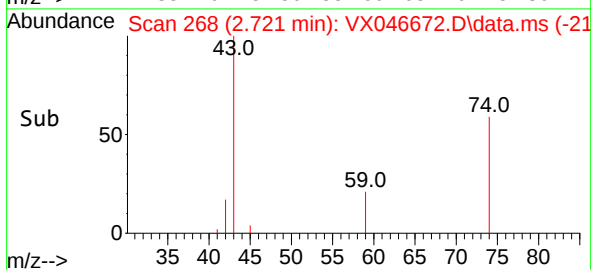
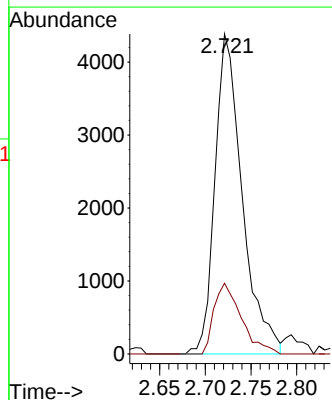
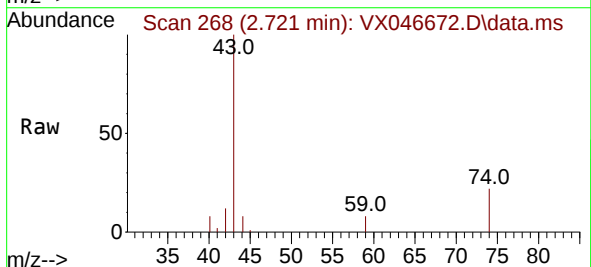
Instrument :
MSVOA_X
ClientSampleId :
PB168448TB

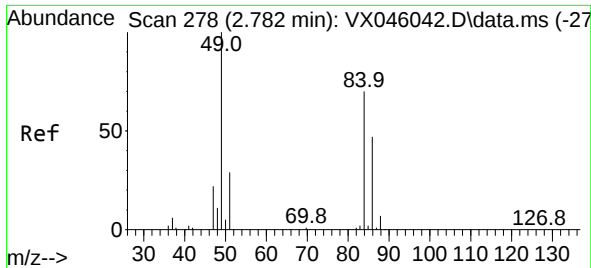
Tgt Ion: 76 Resp: 135
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 5.489 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.000 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

Tgt Ion: 43 Resp: 9097
Ion Ratio Lower Upper
43 100
74 22.1 16.7 25.1

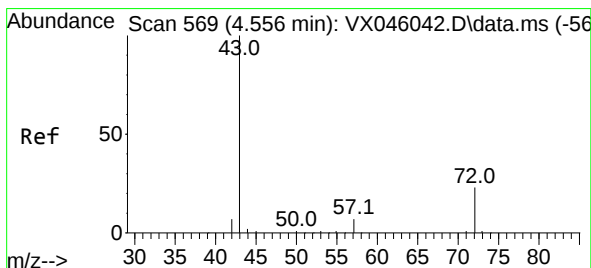
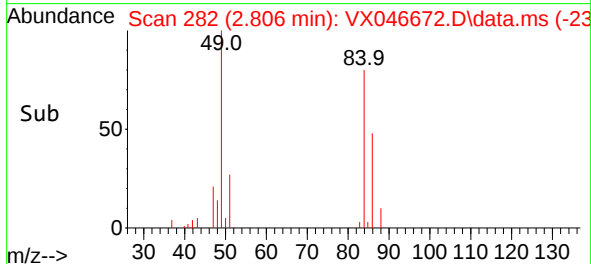
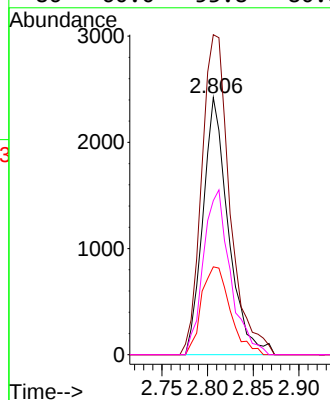
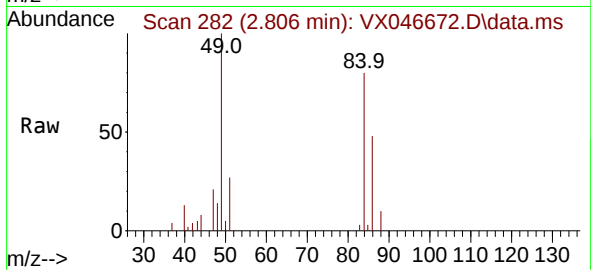




#20
Methylene Chloride
Concen: 4.188 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

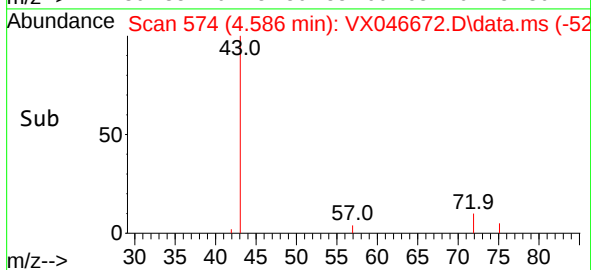
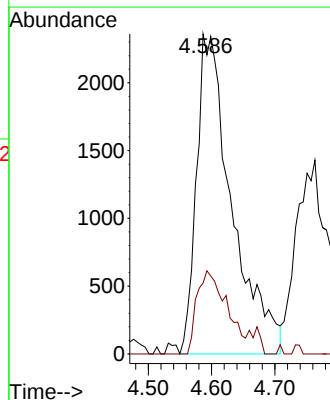
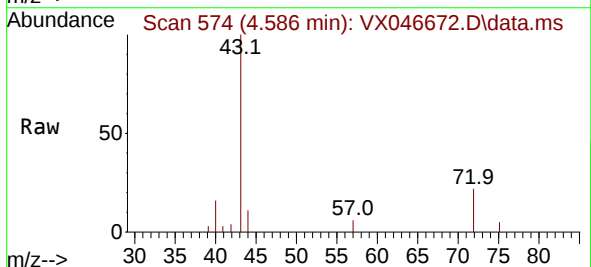
Instrument :
MSVOA_X
ClientSampleId :
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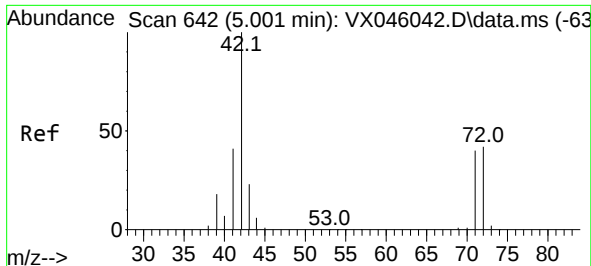
Tgt Ion: 84	Resp: 4675		
Ion	Ratio	Lower	Upper
84	100		
49	124.4	113.9	170.9
51	34.2	33.5	50.3
86	60.0	53.8	80.8



#25
2-Butanone
Concen: 11.812 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.012 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

Tgt Ion: 43	Resp: 9149
Ion Ratio	Lower Upper
43 100	
72 22.2	18.4 27.6





#29

Tetrahydrofuran

Concen: 0.511 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.031 min

Lab File: VX046672.D

Acq: 12 Jun 2025 18:24

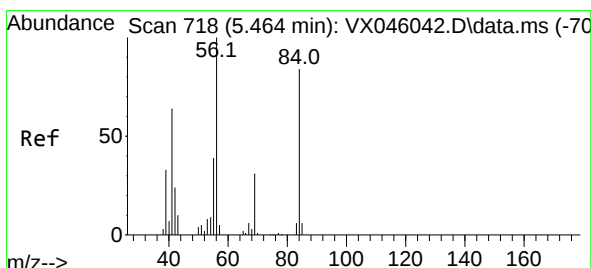
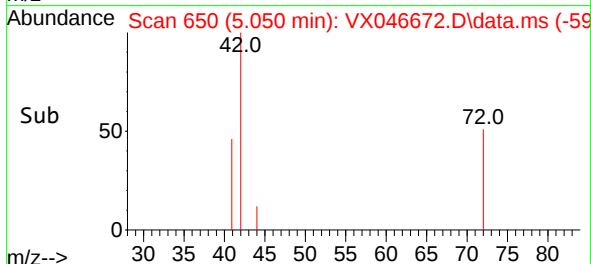
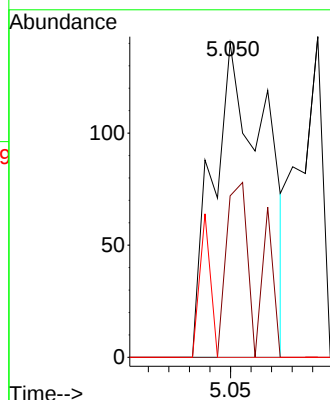
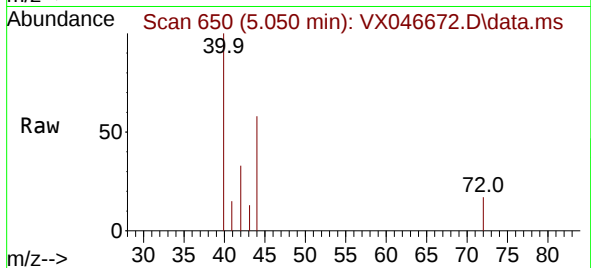
Instrument :

MSVOA_X

ClientSampleId :

PB168448TB

Tgt Ion: 42	Resp:	250
Ion	Ratio	Lower Upper
42	100	
72	31.6	33.7 50.5#
71	9.2	31.4 47.2#



#31

Cyclohexane

Concen: 1.165 ug/l

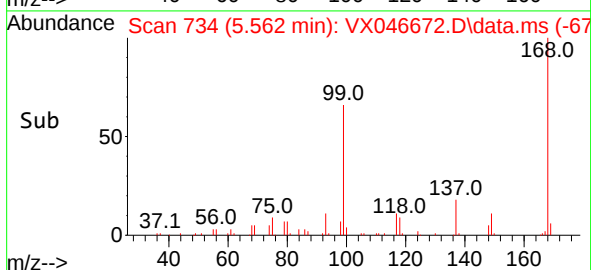
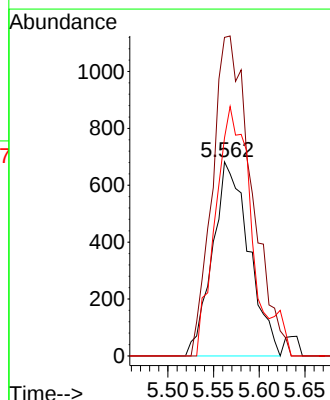
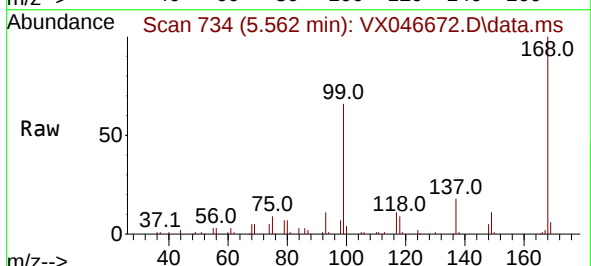
RT: 5.562 min Scan# 734

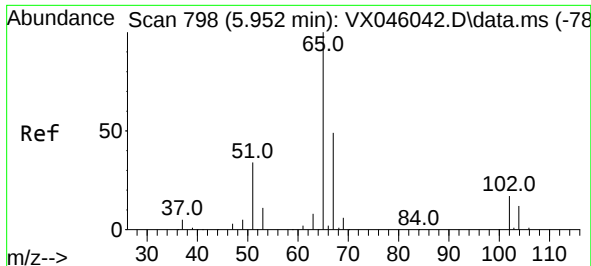
Delta R.T. 0.073 min

Lab File: VX046672.D

Acq: 12 Jun 2025 18:24

Tgt Ion: 56	Resp:	1884
Ion	Ratio	Lower Upper
56	100	
69	164.2	24.4 36.6#
84	112.5	66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 48.877 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046672.D

Acq: 12 Jun 2025 18:24

Instrument :

MSVOA_X

ClientSampleId :

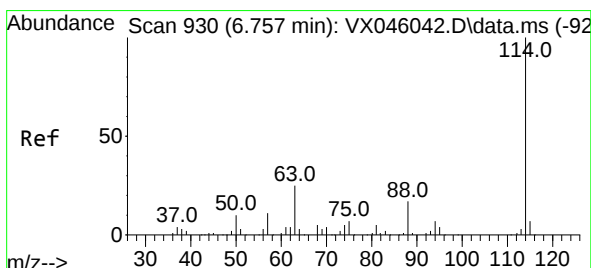
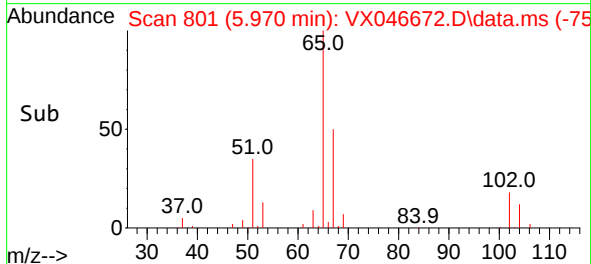
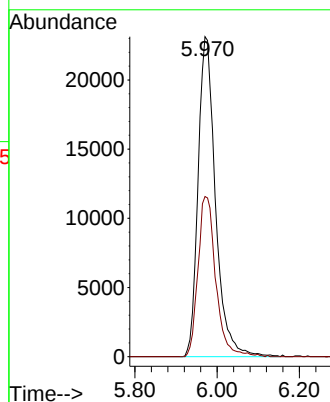
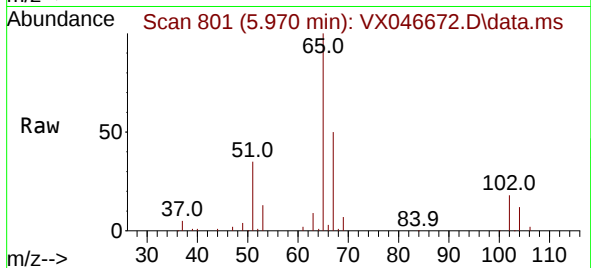
PB168448TB

Tgt Ion: 65 Resp: 68006

Ion Ratio Lower Upper

65 100

67 51.1 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: VX046672.D

Acq: 12 Jun 2025 18:24

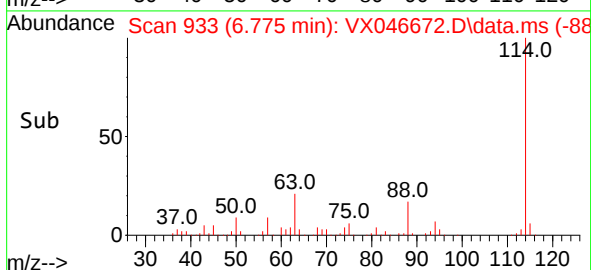
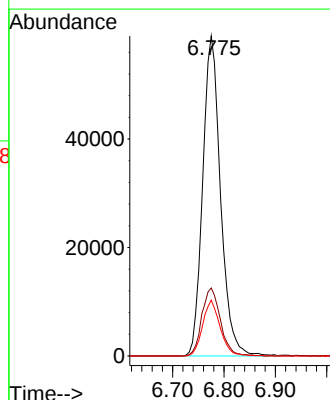
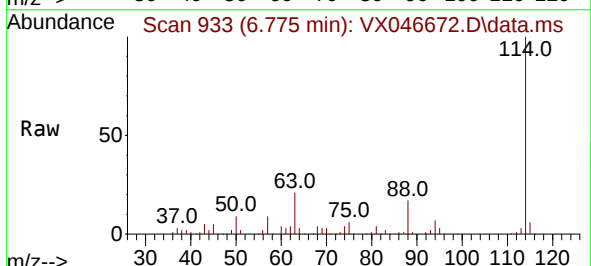
Tgt Ion: 114 Resp: 142504

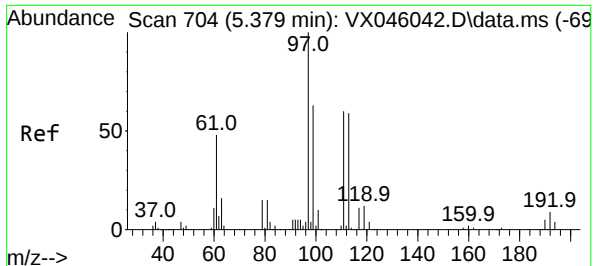
Ion Ratio Lower Upper

114 100

63 21.3 0.0 49.2

88 17.4 0.0 33.6

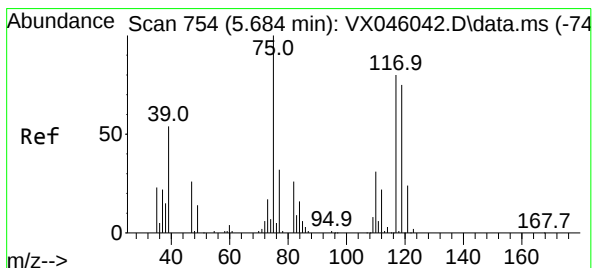
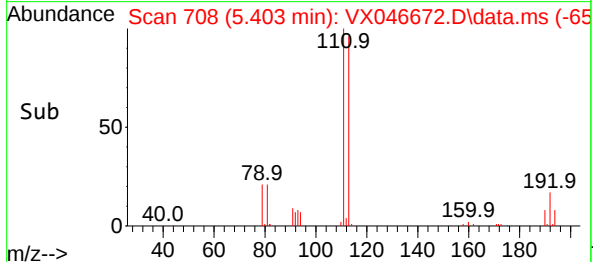
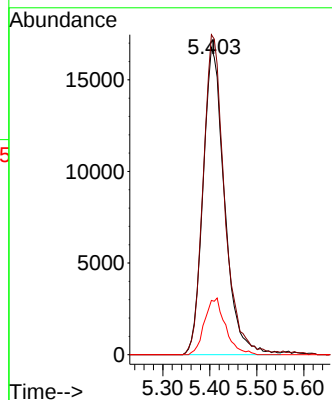
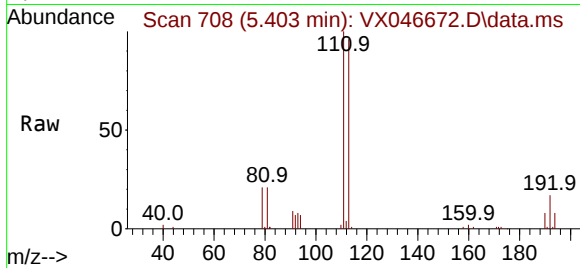




#35
Dibromofluoromethane
Concen: 50.933 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

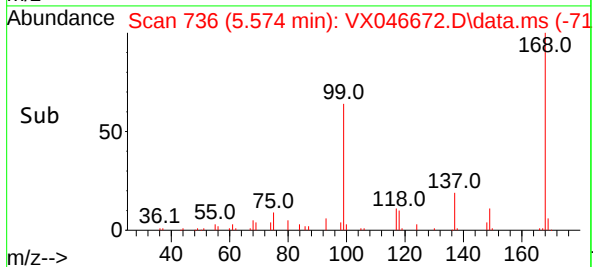
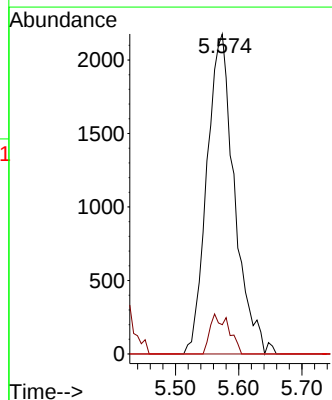
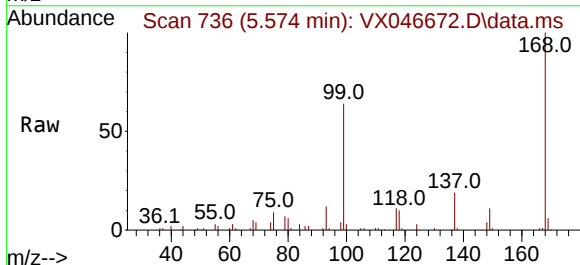
Instrument :
MSVOA_X
ClientSampleId :
PB168448TB

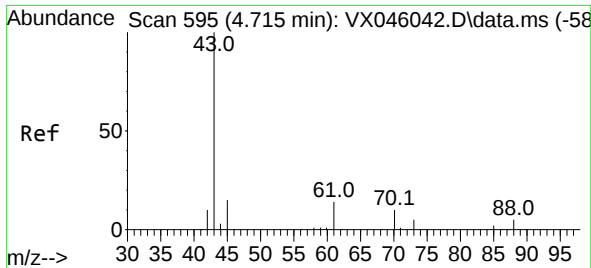
Tgt Ion:113 Resp: 53376
Ion Ratio Lower Upper
113 100
111 103.2 83.1 124.7
192 17.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.413 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.140 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

Tgt Ion: 75 Resp: 6606
Ion Ratio Lower Upper
75 100
110 8.5 16.3 48.9#
77 0.0 24.3 36.5#

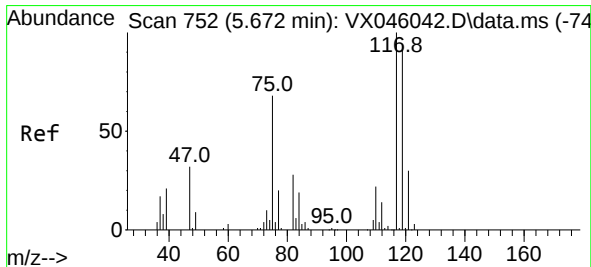
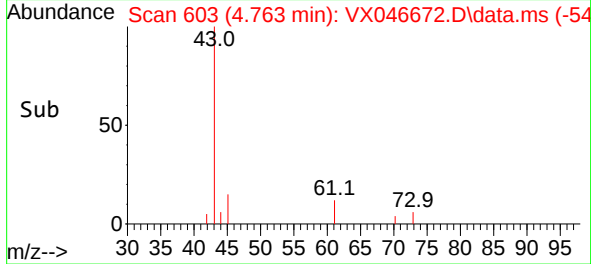
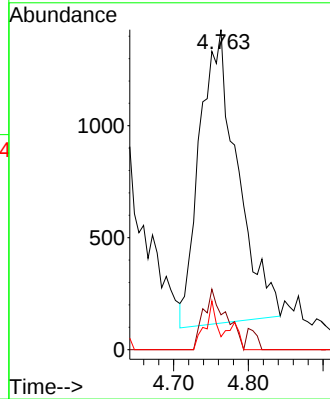
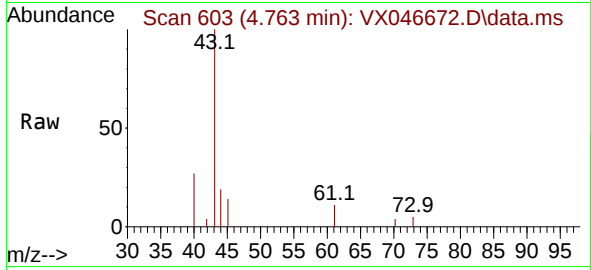




#37
Ethyl Acetate
Concen: 3.157 ug/l
RT: 4.763 min Scan# 603
Delta R.T. 0.030 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

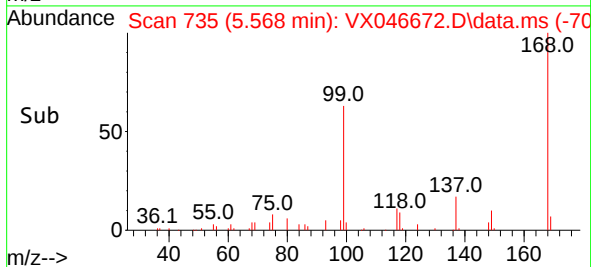
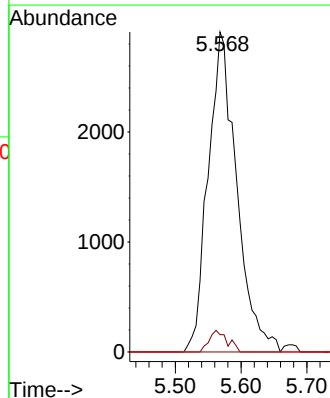
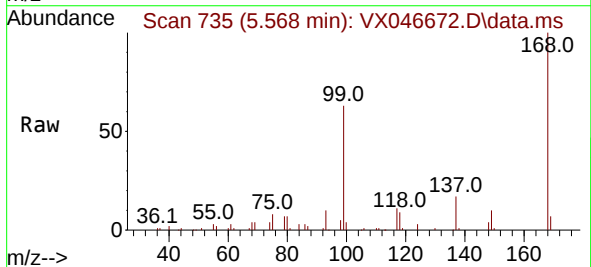
Instrument :
MSVOA_X
ClientSampleId :
PB168448TB

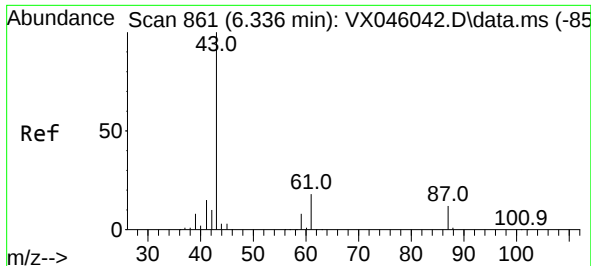
Tgt Ion: 43 Resp: 4612
Ion Ratio Lower Upper
43 100
61 12.2 10.3 15.5
70 5.1 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.237 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

Tgt Ion: 117 Resp: 8780
Ion Ratio Lower Upper
117 100
119 5.4 75.2 112.8#
121 0.0 24.2 36.4#

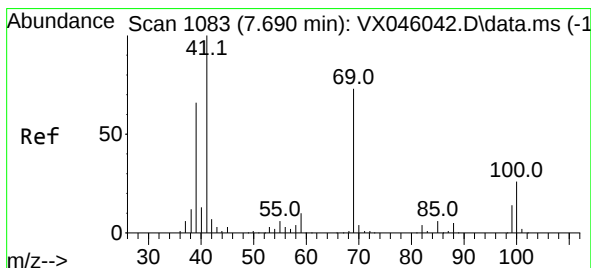
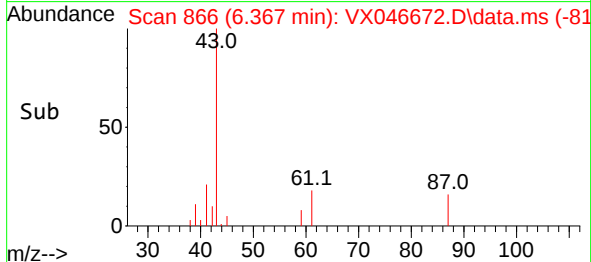
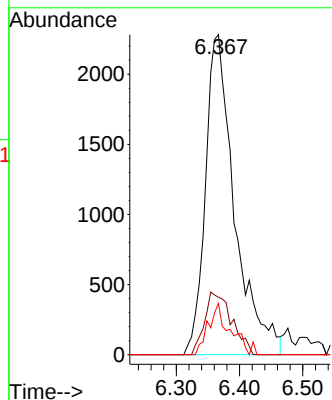
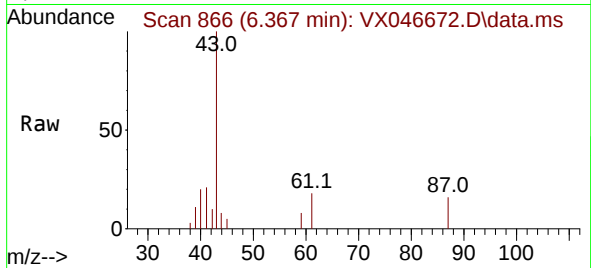




#43
Isopropyl Acetate
Concen: 2.874 ug/l
RT: 6.367 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

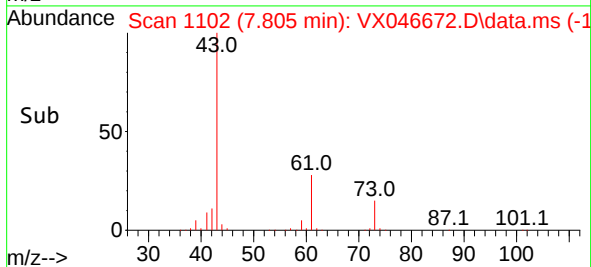
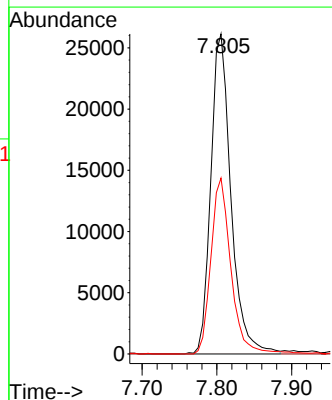
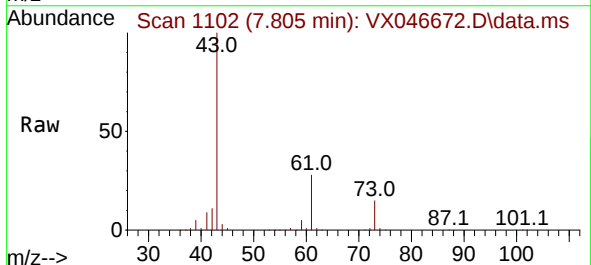
Instrument :
MSVOA_X
ClientSampleId :
PB168448TB

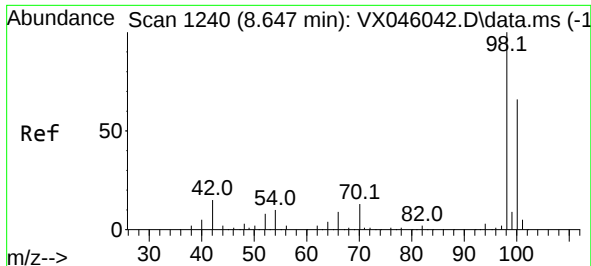
Tgt Ion: 43 Resp: 7319
Ion Ratio Lower Upper
43 100
61 18.2 14.3 21.5
87 11.5 9.5 14.3



#48
Methyl methacrylate
Concen: 37.378 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

Tgt Ion: 41 Resp: 48983
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.6 51.7 77.5

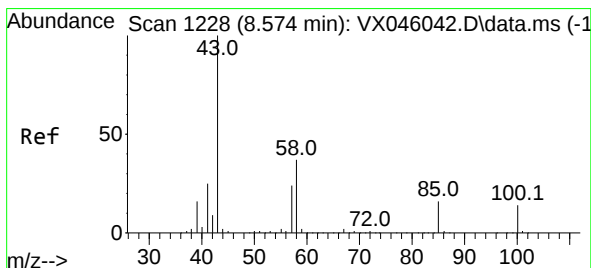
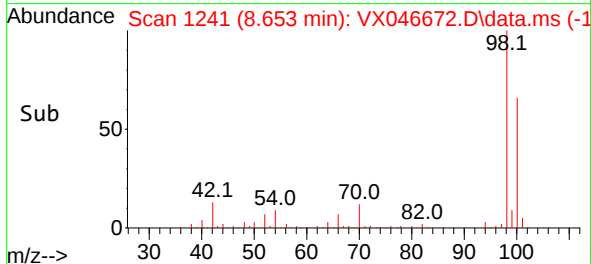
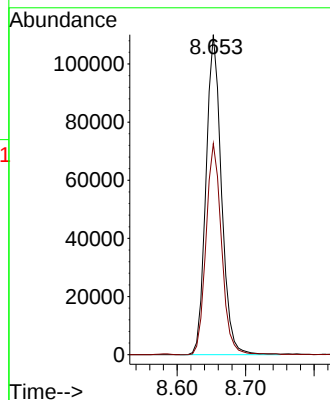
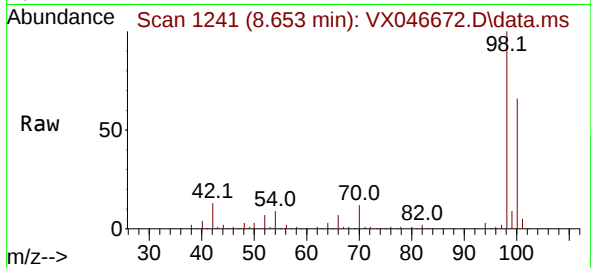




#50
Toluene-d8
Concen: 50.088 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

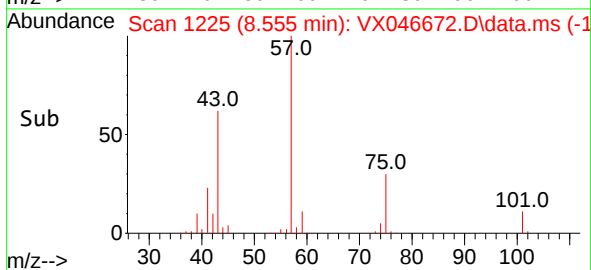
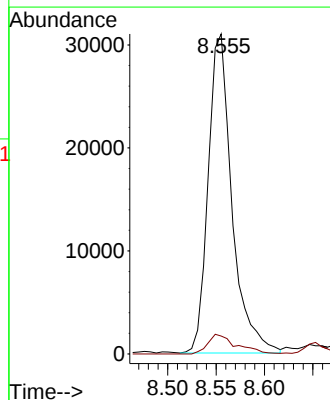
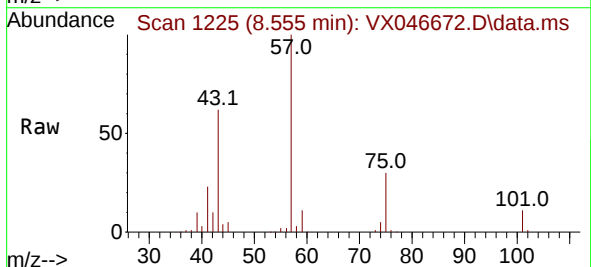
Instrument :
MSVOA_X
ClientSampleId :
PB168448TB

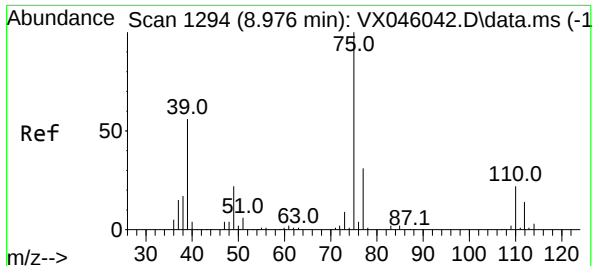
Tgt Ion: 98 Resp: 173056
Ion Ratio Lower Upper
98 100
100 66.5 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 32.815 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.018 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

Tgt Ion: 43 Resp: 53113
Ion Ratio Lower Upper
43 100
58 7.4 28.9 43.3#

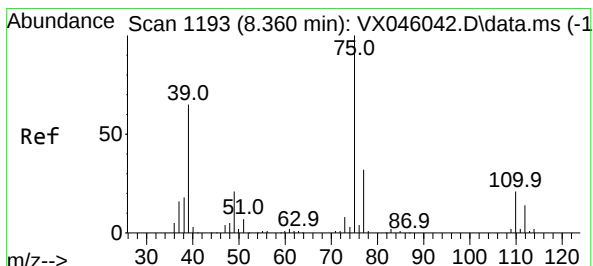
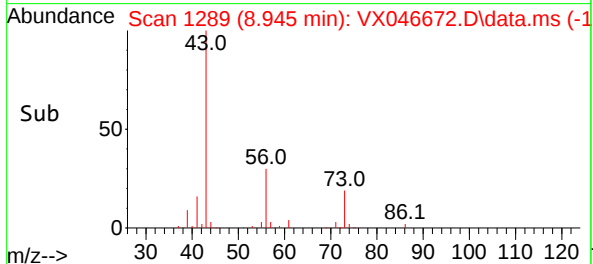
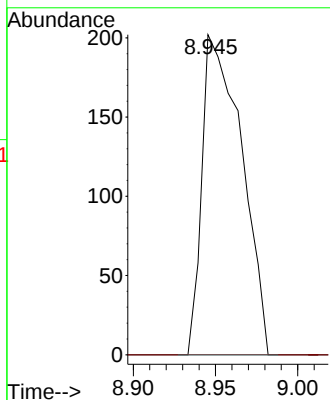
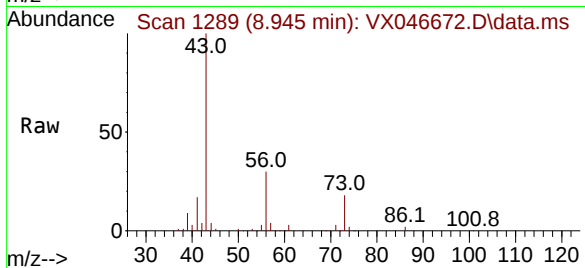




#53
 t-1,3-Dichloropropene
 Concen: 0.223 ug/l
 RT: 8.945 min Scan# 11
 Delta R.T. -0.037 min
 Lab File: VX046672.D
 Acq: 12 Jun 2025 18:24

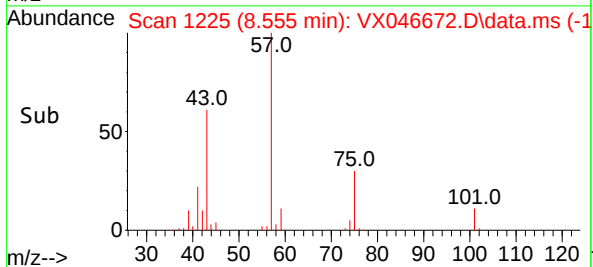
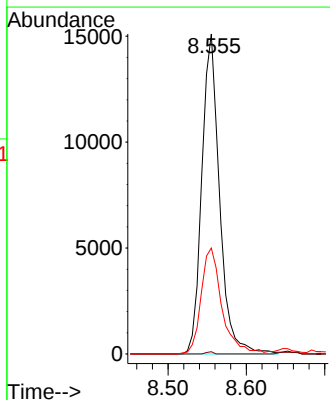
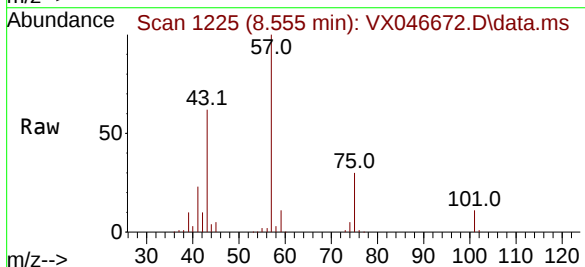
Instrument :
 MSVOA_X
 ClientSampleId :
 PB168448TB

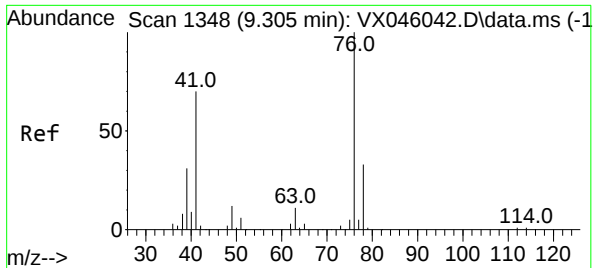
Tgt Ion: 75 Resp: 337
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#



#54
 cis-1,3-Dichloropropene
 Concen: 14.170 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX046672.D
 Acq: 12 Jun 2025 18:24

Tgt Ion: 75 Resp: 23768
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.4 38.0#
 39 33.1 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 1.104 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.171 min

Lab File: VX046672.D

Acq: 12 Jun 2025 18:24

Instrument :

MSVOA_X

ClientSampleId :

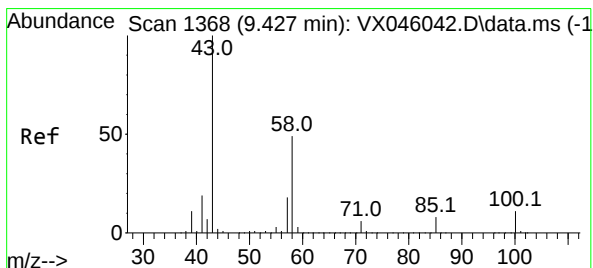
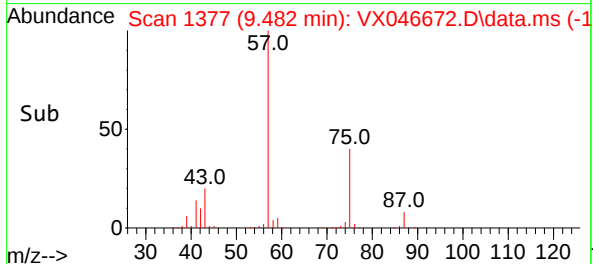
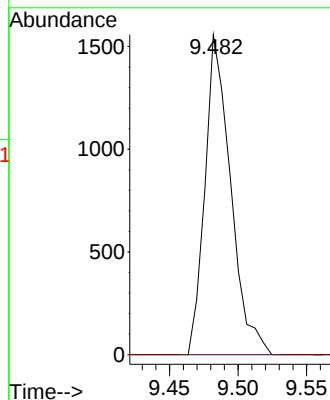
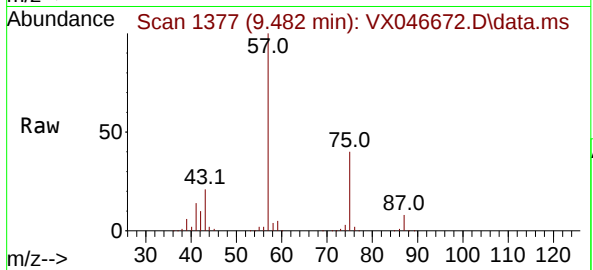
PB168448TB

Tgt Ion: 76 Resp: 2028

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 23.677 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX046672.D

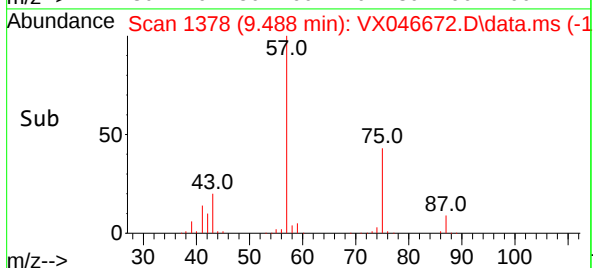
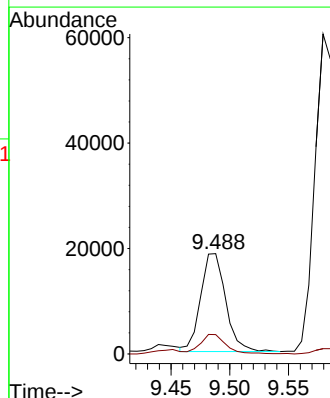
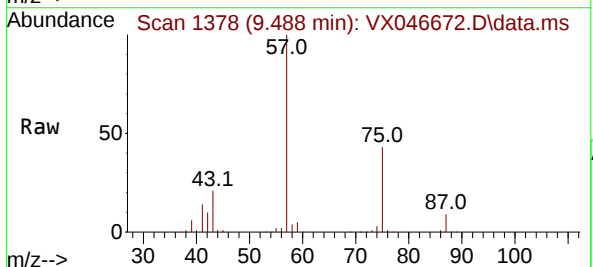
Acq: 12 Jun 2025 18:24

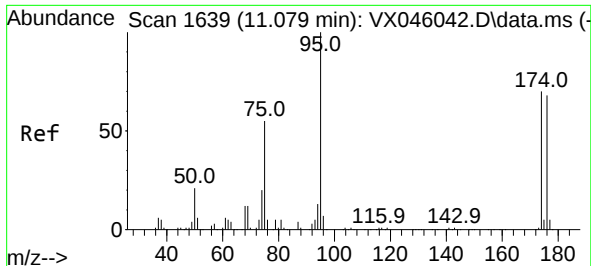
Tgt Ion: 43 Resp: 27484

Ion Ratio Lower Upper

43 100

58 20.4 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 50.010 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046672.D

Acq: 12 Jun 2025 18:24

Instrument :

MSVOA_X

ClientSampleId :

PB168448TB

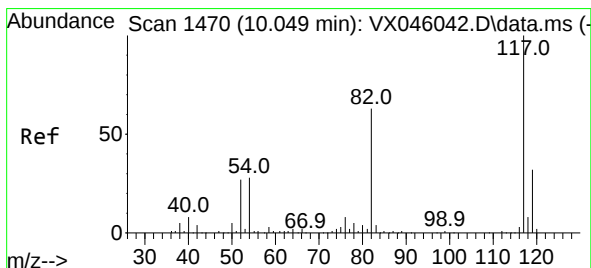
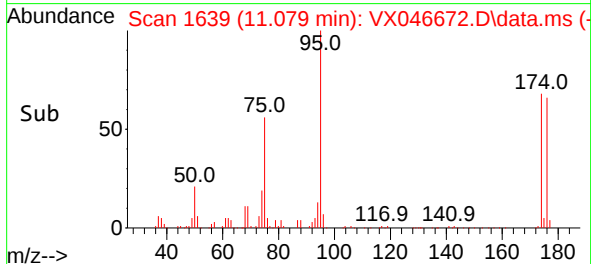
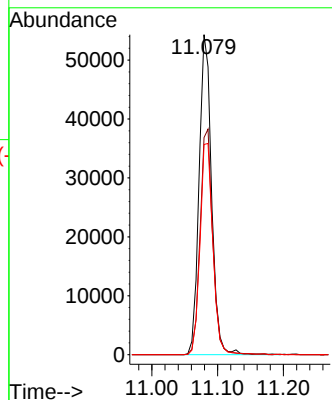
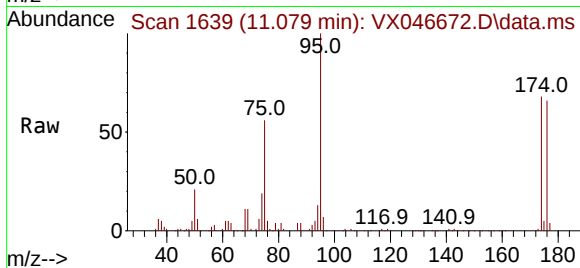
Tgt Ion: 95 Resp: 71489

Ion Ratio Lower Upper

95 100

174 71.3 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: VX046672.D

Acq: 12 Jun 2025 18:24

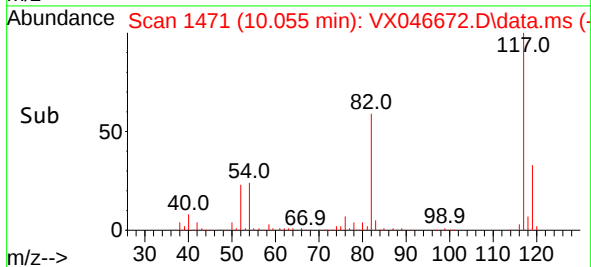
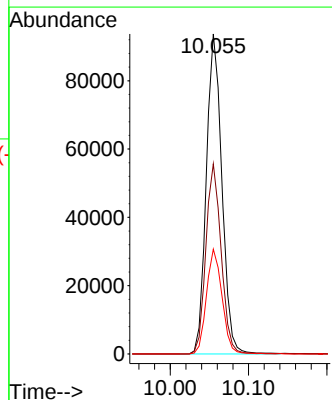
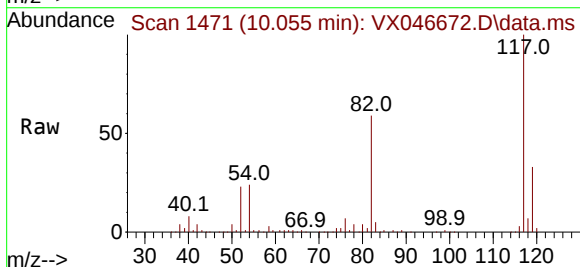
Tgt Ion: 117 Resp: 129201

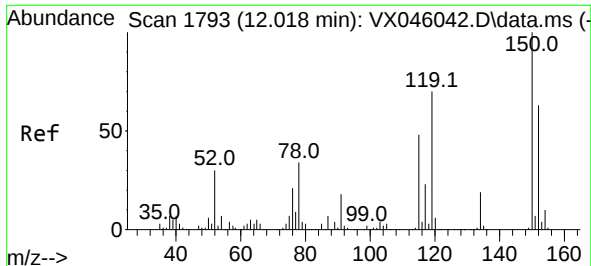
Ion Ratio Lower Upper

117 100

82 59.4 50.6 76.0

119 32.8 25.8 38.6

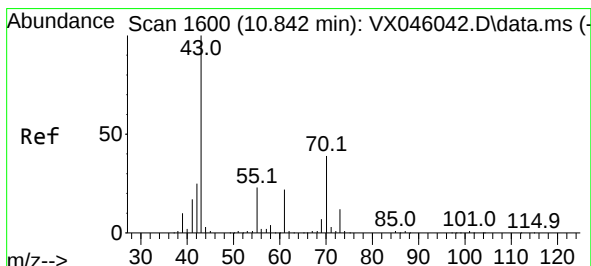
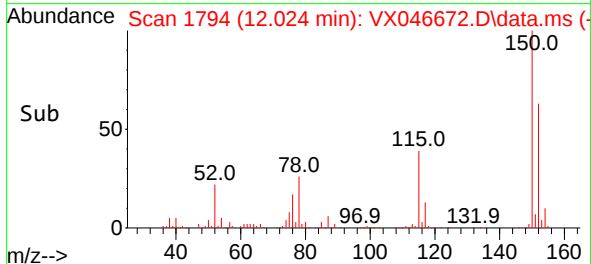
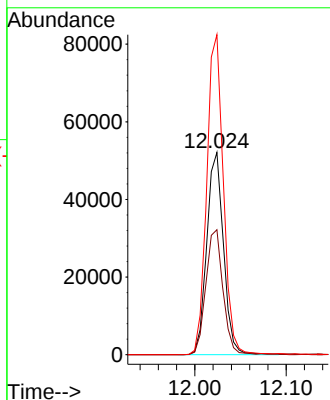
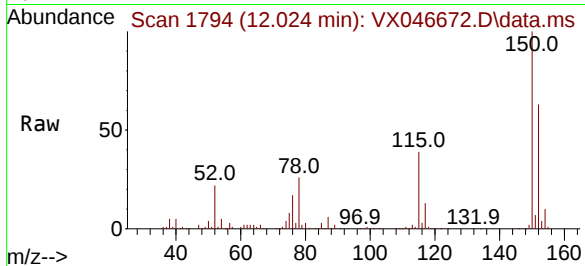




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

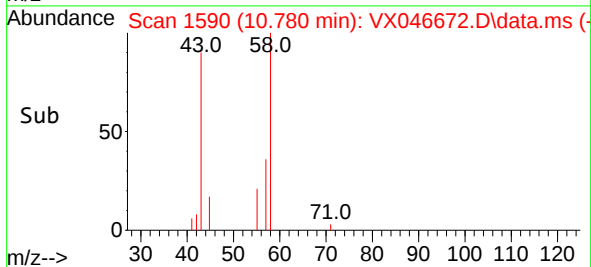
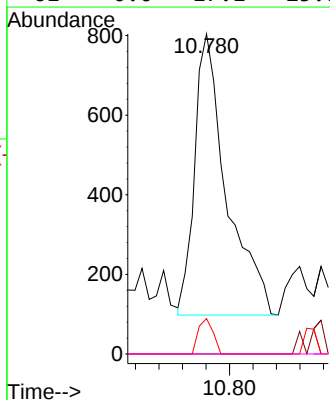
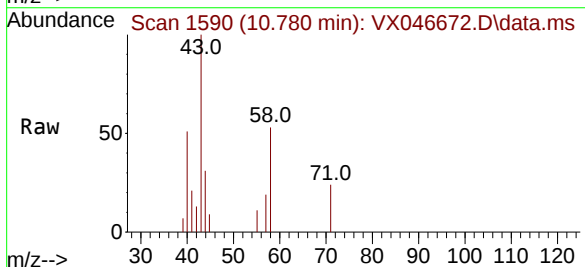
Instrument :
MSVOA_X
ClientSampleId :
PB168448TB

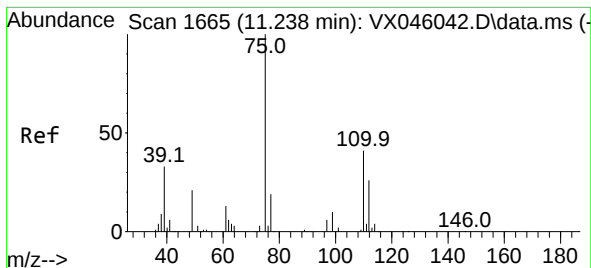
Tgt Ion:152 Resp: 66183
Ion Ratio Lower Upper
152 100
115 63.4 46.9 140.7
150 157.6 0.0 351.0



#74
N-ethyl acetate
Concen: 0.582 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX046672.D
Acq: 12 Jun 2025 18:24

Tgt Ion: 43 Resp: 1333
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 5.8 18.7 28.1#
61 0.0 17.1 25.7#





#76

1,2,3-Trichloropropane

Concen: 26.914 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX046672.D

Acq: 12 Jun 2025 18:24

Instrument :

MSVOA_X

ClientSampleId :

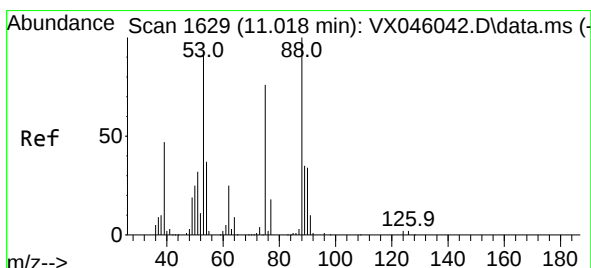
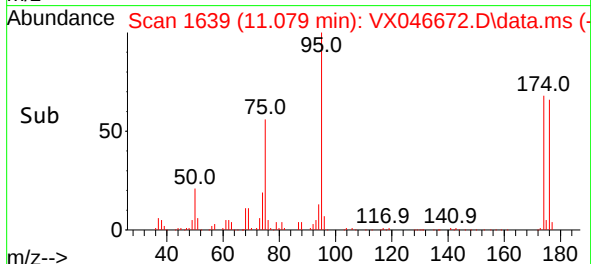
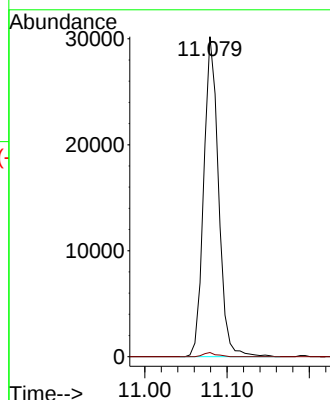
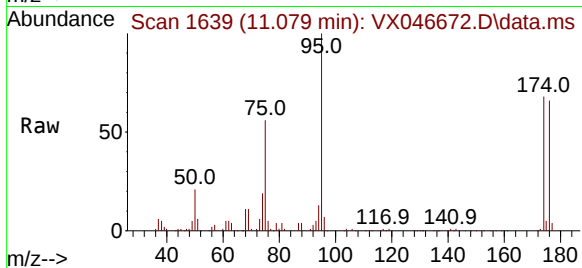
PB168448TB

Tgt Ion: 75 Resp: 37729

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.636 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046672.D

Acq: 12 Jun 2025 18:24

Tgt Ion: 75 Resp: 37729

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.2 37.0 55.6#

