

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX047006.D
 Acq On : 15 Jul 2025 16:45
 Operator : JC/MD
 Sample : PB168804TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB168804TB

Quant Time: Jul 16 02:29:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

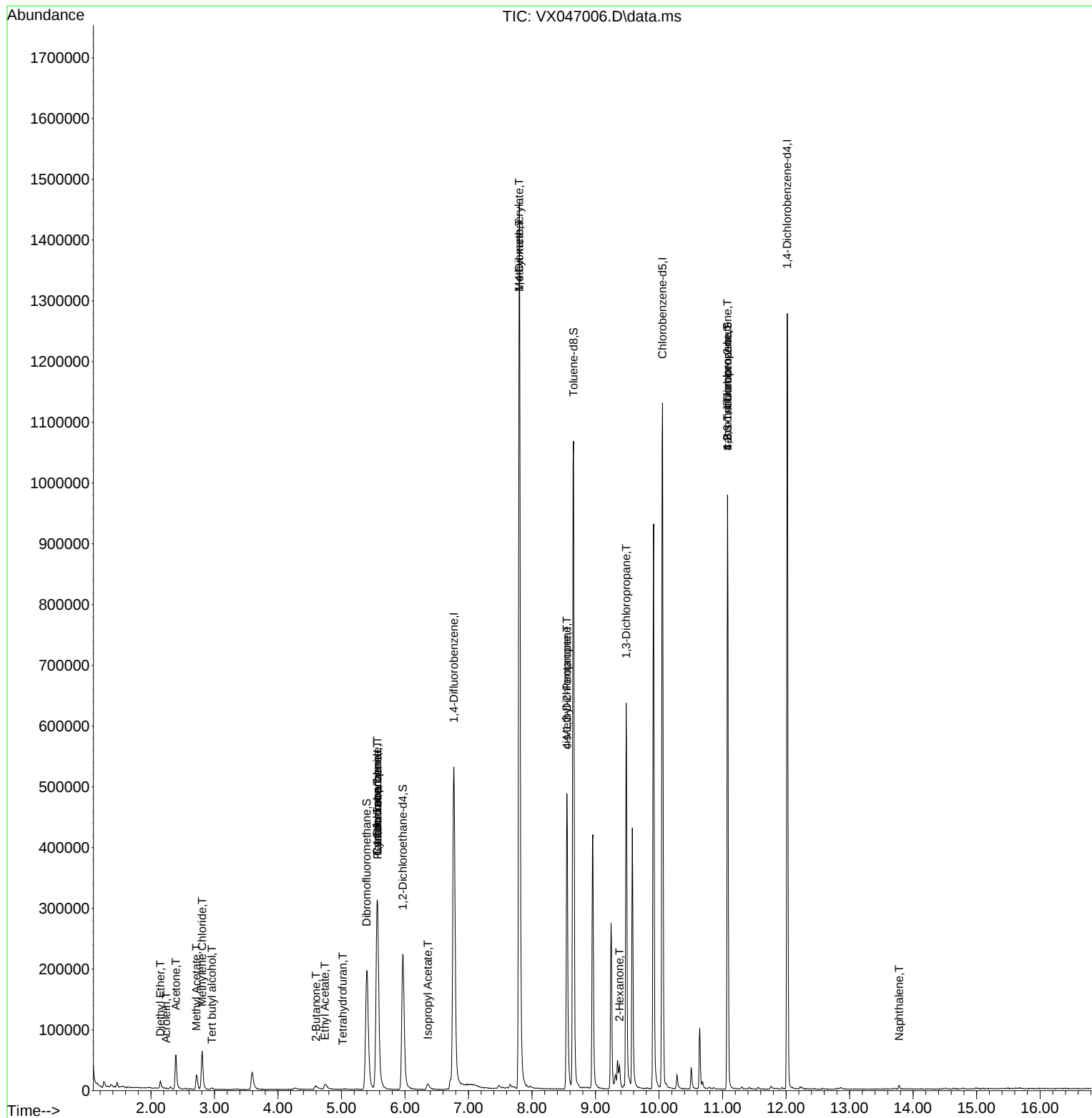
Internal Standards						
1) Pentafluorobenzene	5.568	168	316069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	565287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	501766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	256861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	233648	55.956	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.920%			
35) Dibromofluoromethane	5.397	113	187584	48.886	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.780%			
50) Toluene-d8	8.653	98	650423	48.043	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.080%			
62) 4-Bromofluorobenzene	11.079	95	262572	51.031	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.060%			
Target Compounds					Qvalue	
8) Diethyl Ether	2.148	74	4433	2.240	ug/l	99
11) Tert butyl alcohol	2.959	59	1051	3.838	ug/l #	80
13) Acrolein	2.239	56	136	3.279	ug/l #	1
16) Acetone	2.392	43	70090	54.039	ug/l	99
18) Methyl Acetate	2.715	43	34005	9.947	ug/l	96
20) Methylene Chloride	2.806	84	29402	7.666	ug/l	96
25) 2-Butanone	4.599	43	11189	6.466	ug/l	94
29) Tetrahydrofuran	5.019	42	229	0.208	ug/l #	34
31) Cyclohexane	5.562	56	6795	1.138	ug/l #	6
36) 1,1-Dichloropropene	5.562	75	25939	5.010	ug/l #	52
37) Ethyl Acetate	4.739	43	15639	3.547	ug/l #	95
38) Carbon Tetrachloride	5.562	117	33488	6.118	ug/l #	17
43) Isopropyl Acetate	6.361	43	16199	2.398	ug/l #	69
48) Methyl methacrylate	7.799	41	133275	38.216	ug/l #	44
49) 1,4-Dioxane	7.799	88	199	4.925	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	181282	45.479	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	80187	13.449	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	5549	0.892	ug/l #	44
59) 2-Hexanone	9.378	43	25271	9.558	ug/l #	24
76) 1,2,3-Trichloropropane	11.079	75	133031	33.519	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	133031	89.947	ug/l #	8
95) Naphthalene	13.780	128	5486	0.376	ug/l	98

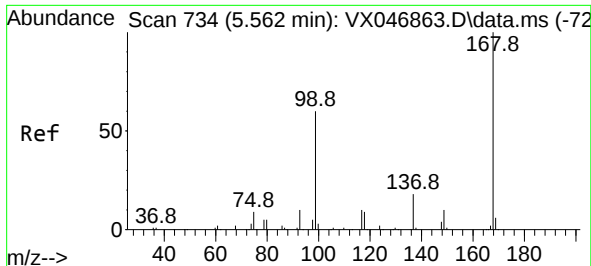
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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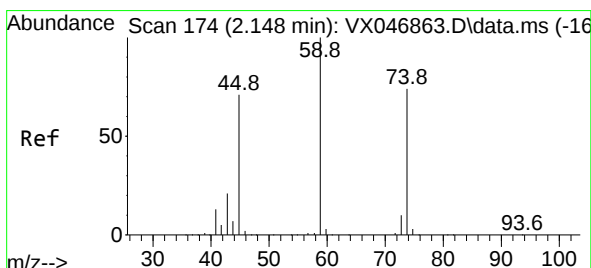
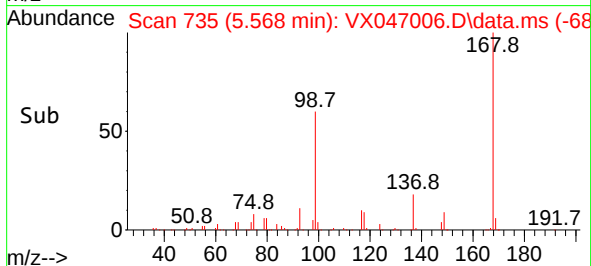
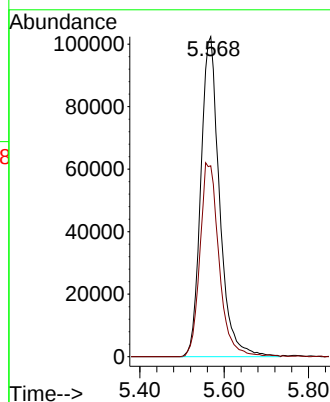
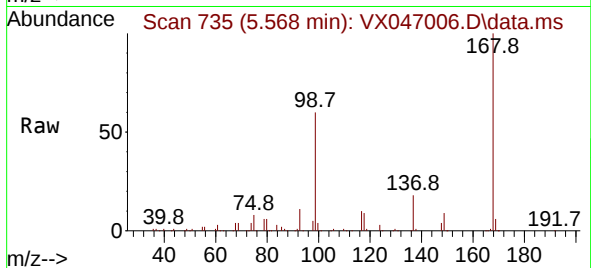




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

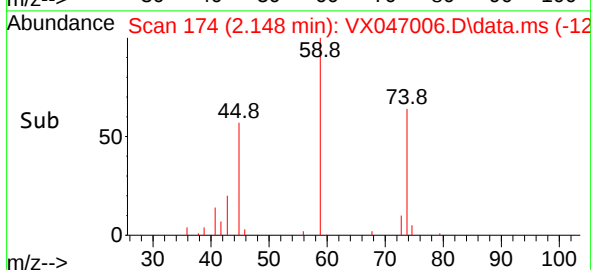
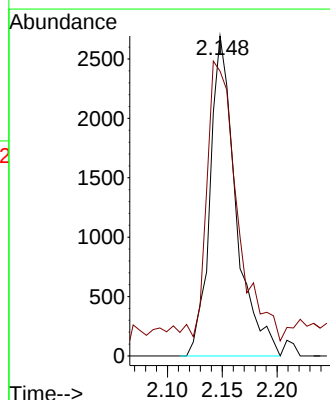
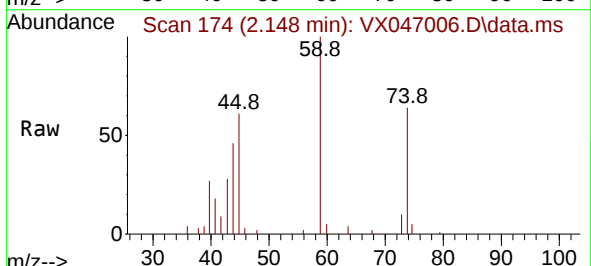
Instrument :
MSVOA_X
ClientSampleId :
PB168804TB

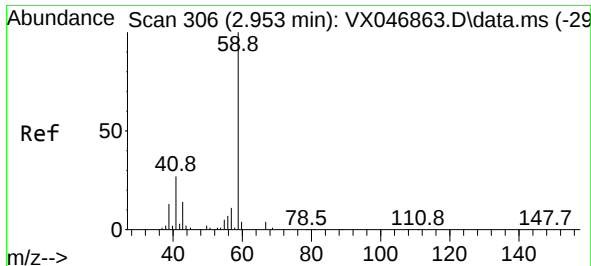
Tgt Ion:168 Resp: 316069
Ion Ratio Lower Upper
168 100
99 59.7 48.8 73.2



#8
Diethyl Ether
Concen: 2.240 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

Tgt Ion: 74 Resp: 4433
Ion Ratio Lower Upper
74 100
45 100.3 50.7 152.1

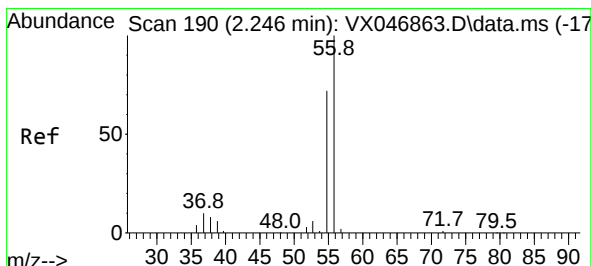
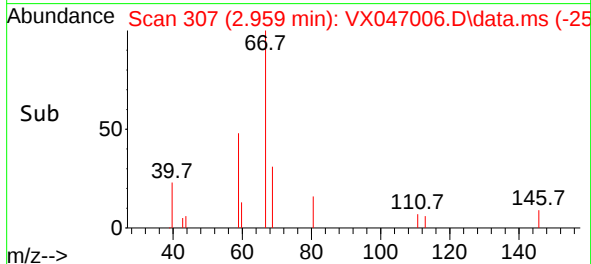
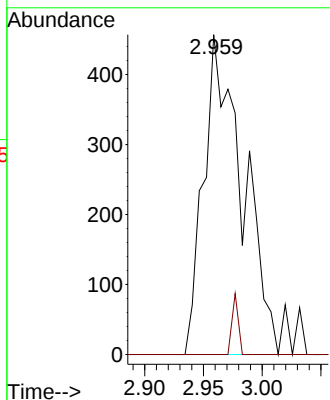
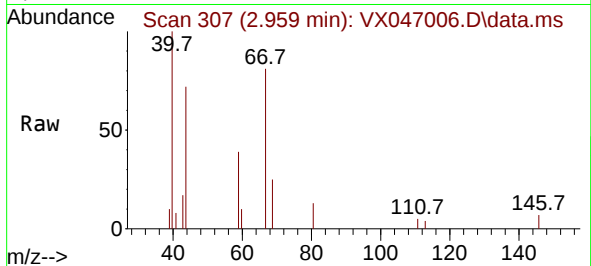




#11
Tert butyl alcohol
Concen: 3.838 ug/l
RT: 2.959 min Scan# 306
Delta R.T. 0.006 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

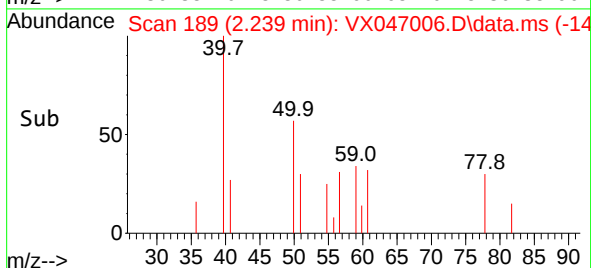
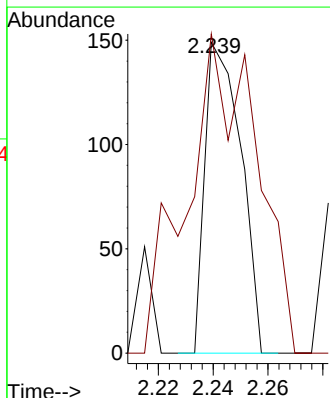
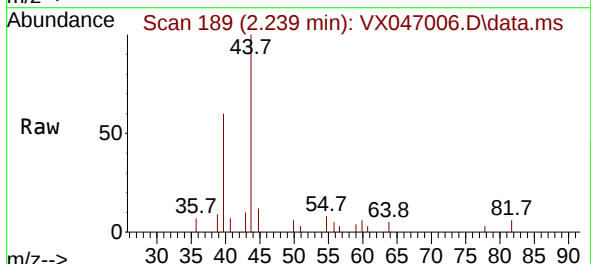
Instrument :
MSVOA_X
ClientSampleId :
PB168804TB

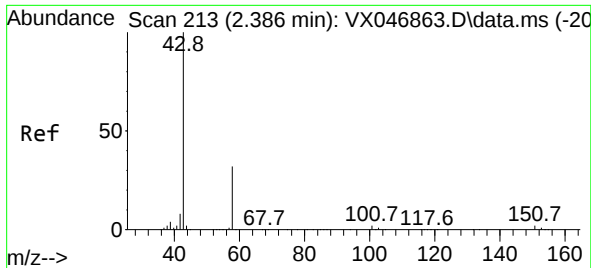
Tgt Ion: 59 Resp: 1051
Ion Ratio Lower Upper
59 100
57 3.0 8.5 12.7#



#13
Acrolein
Concen: 3.279 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.007 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 199.3 55.5 83.3#

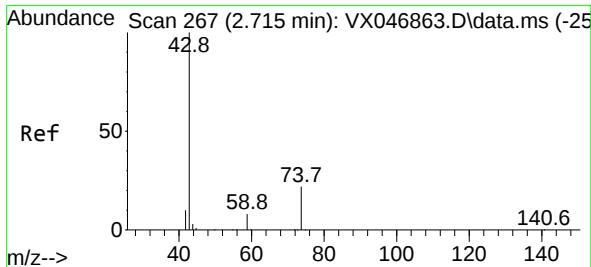
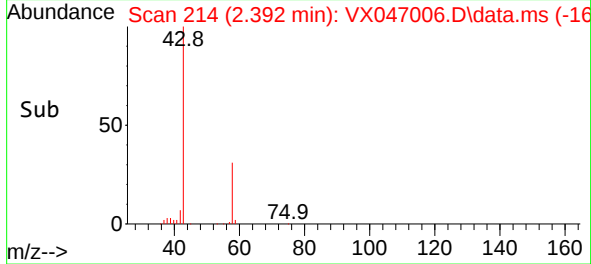
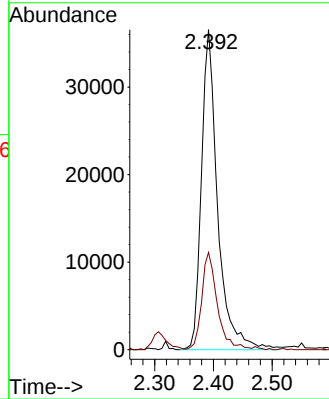
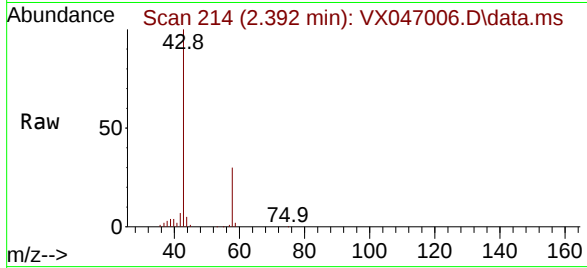




#16
Acetone
Concen: 54.039 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

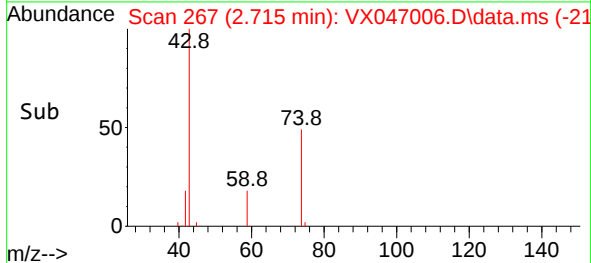
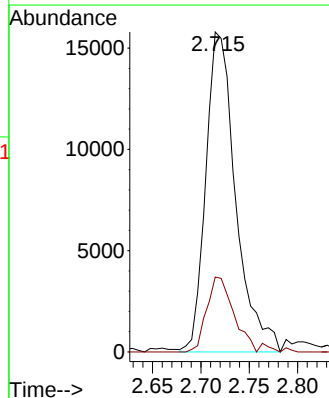
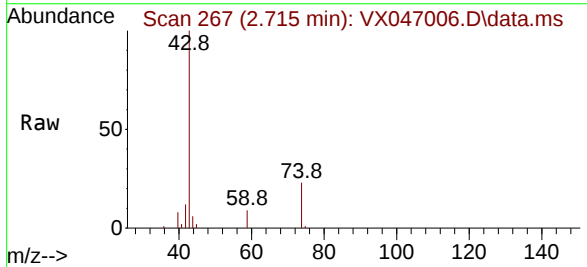
Instrument :
MSVOA_X
ClientSampleId :
PB168804TB

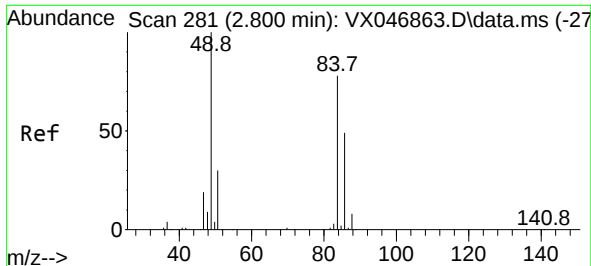
Tgt Ion: 43 Resp: 70090
Ion Ratio Lower Upper
43 100
58 31.8 25.8 38.6



#18
Methyl Acetate
Concen: 9.947 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

Tgt Ion: 43 Resp: 34005
Ion Ratio Lower Upper
43 100
74 21.0 18.3 27.5

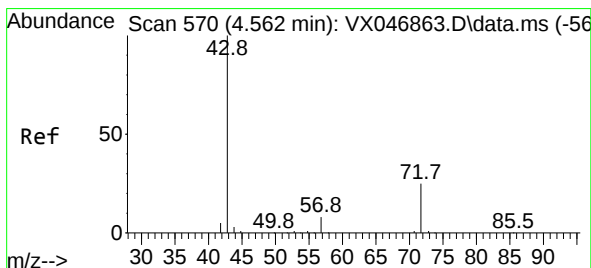
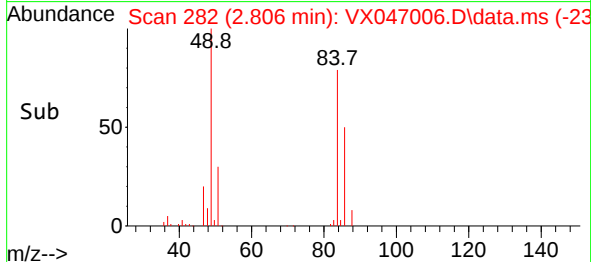
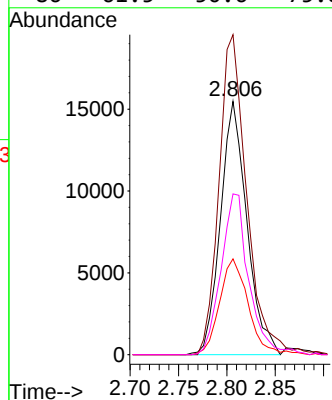
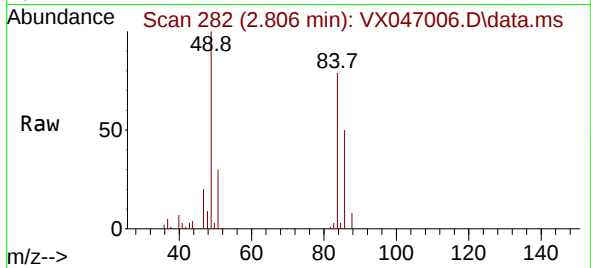




#20
Methylene Chloride
Concen: 7.666 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

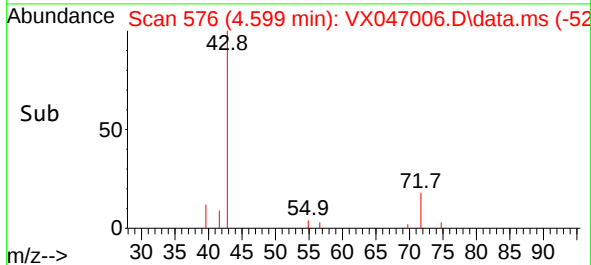
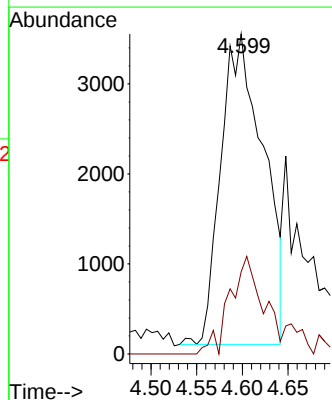
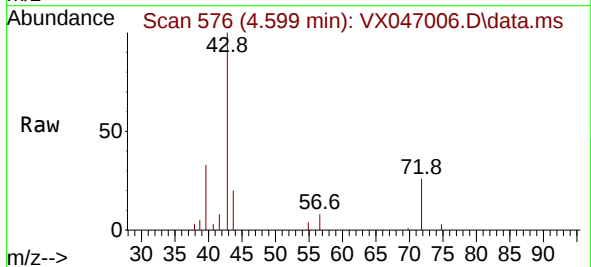
Instrument :
MSVOA_X
ClientSampleId :
PB168804TB

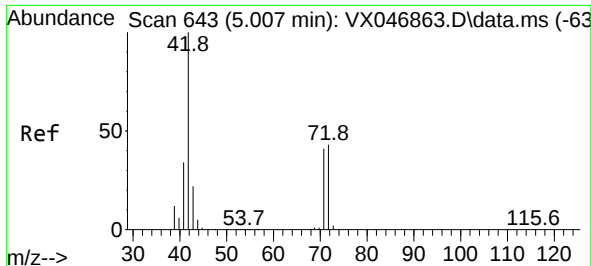
Tgt Ion: 84 Resp: 29402
Ion Ratio Lower Upper
84 100
49 122.5 102.8 154.2
51 36.7 31.1 46.7
86 61.5 50.6 75.8



#25
2-Butanone
Concen: 6.466 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.036 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

Tgt Ion: 43 Resp: 11189
Ion Ratio Lower Upper
43 100
72 21.9 20.0 30.0





#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 5.019 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX047006.D

Acq: 15 Jul 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

PB168804TB

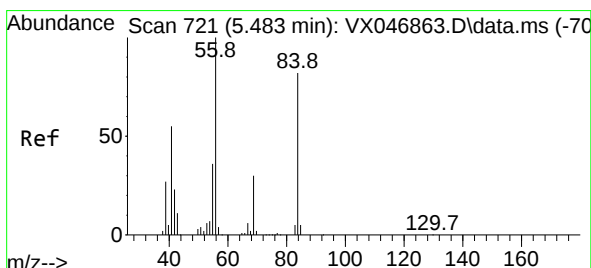
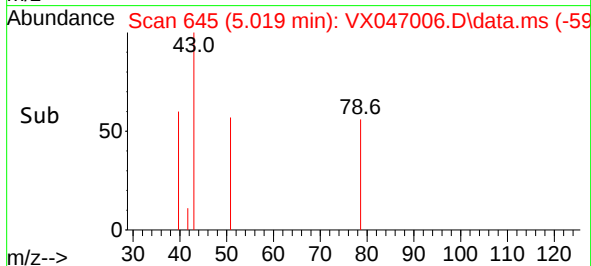
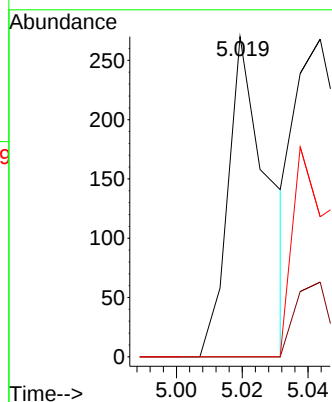
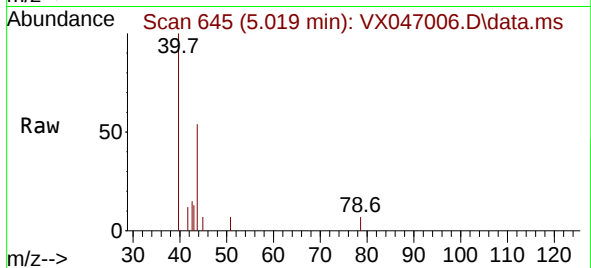
Tgt Ion: 42 Resp: 229

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

71 0.0 31.9 47.9#



#31

Cyclohexane

Concen: 1.138 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.079 min

Lab File: VX047006.D

Acq: 15 Jul 2025 16:45

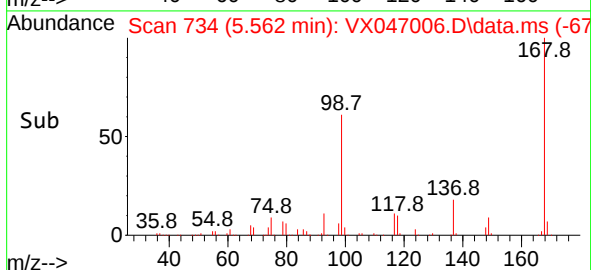
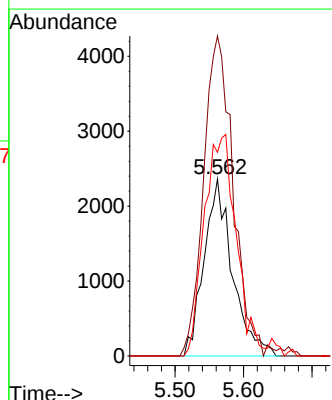
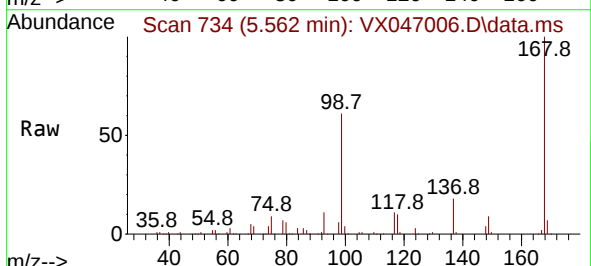
Tgt Ion: 56 Resp: 6795

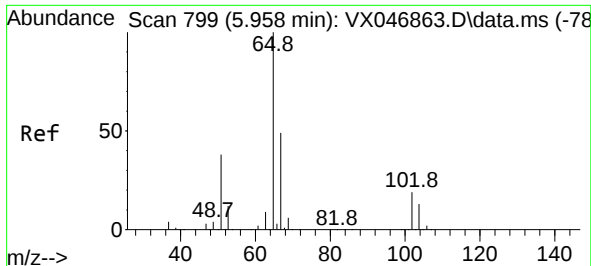
Ion Ratio Lower Upper

56 100

69 175.3 24.0 36.0#

84 111.6 66.5 99.7#

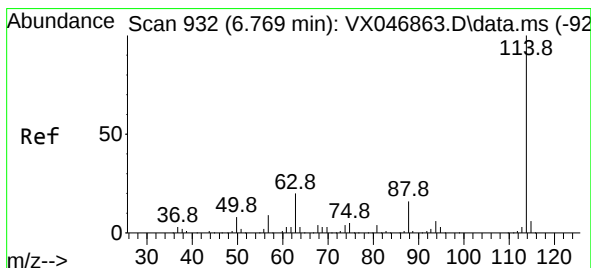
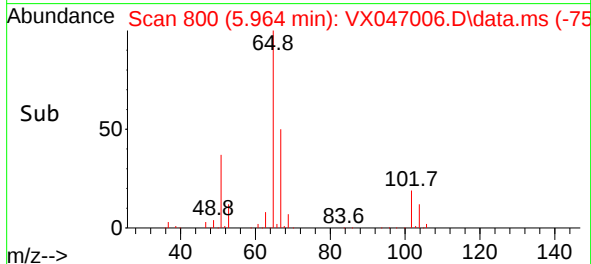
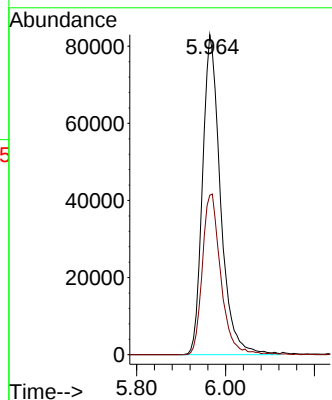
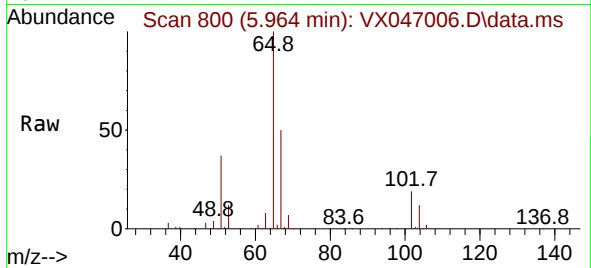




#33
1,2-Dichloroethane-d4
Concen: 55.956 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

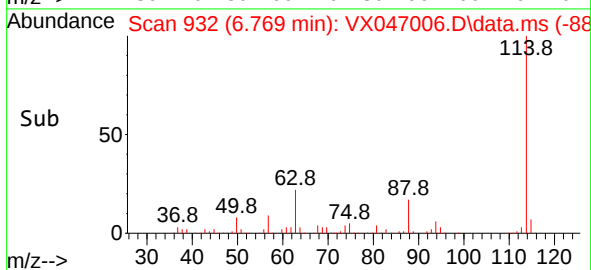
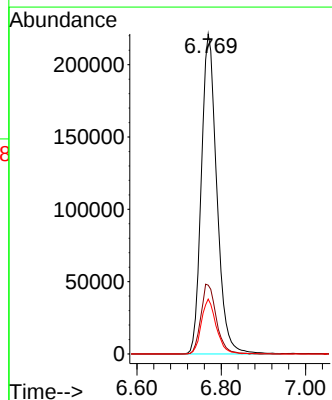
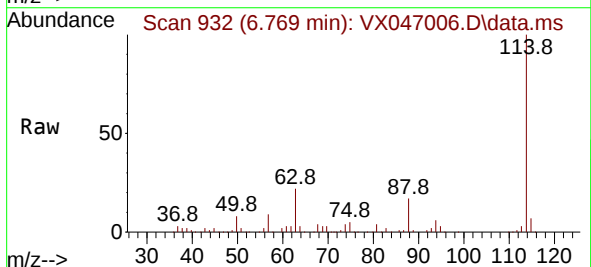
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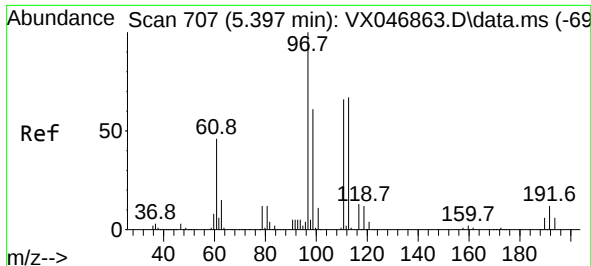
Tgt Ion: 65 Resp: 233648
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

Tgt Ion: 114 Resp: 565287
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.4
88 17.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.886 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX047006.D

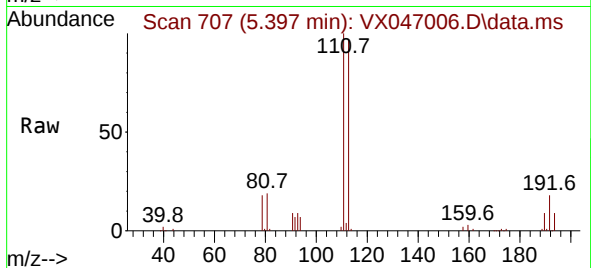
Acq: 15 Jul 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

PB168804TB



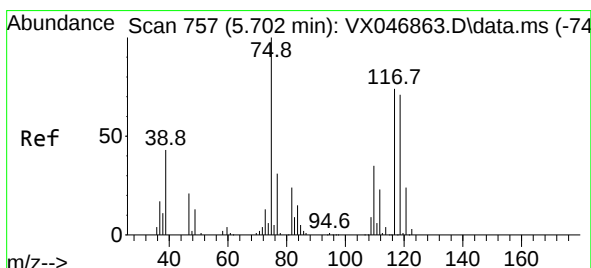
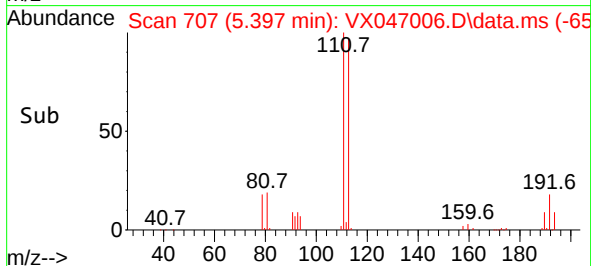
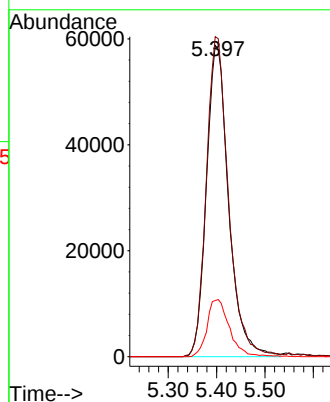
Tgt Ion:113 Resp: 187584

Ion Ratio Lower Upper

113 100

111 102.7 81.2 121.8

192 18.6 15.3 22.9



#36

1,1-Dichloropropene

Concen: 5.010 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047006.D

Acq: 15 Jul 2025 16:45

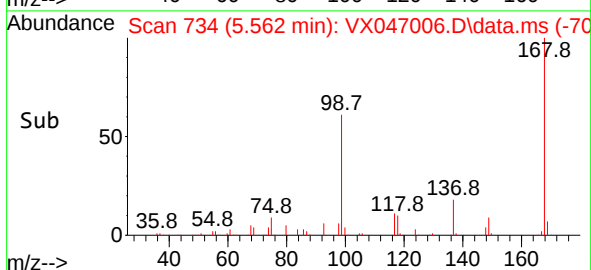
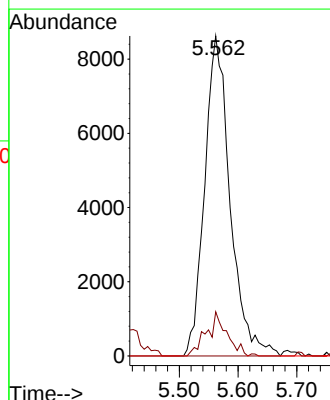
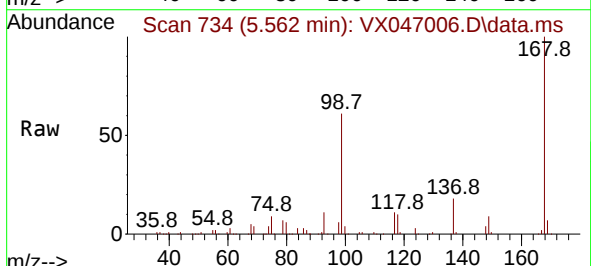
Tgt Ion: 75 Resp: 25939

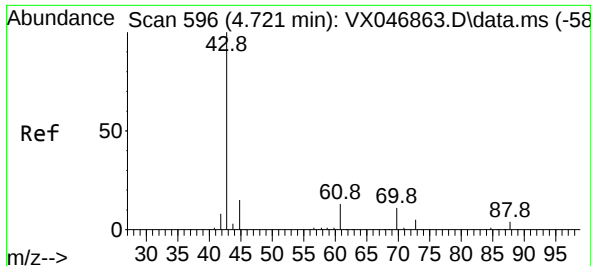
Ion Ratio Lower Upper

75 100

110 11.0 17.3 51.9#

77 0.0 24.2 36.4#

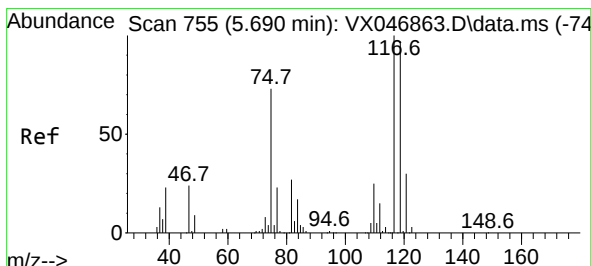
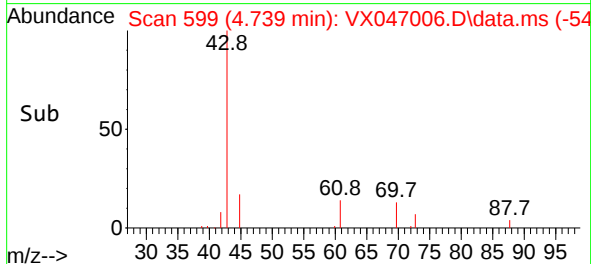
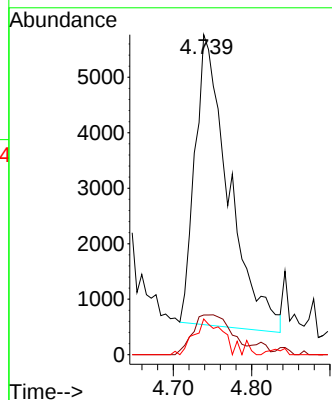
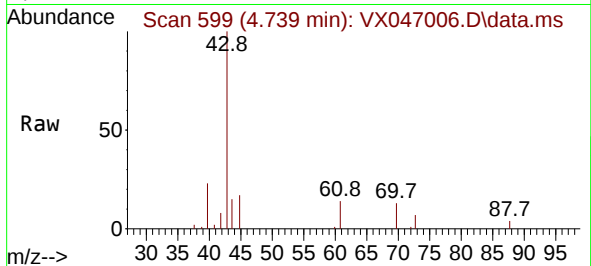




#37
Ethyl Acetate
Concen: 3.547 ug/l
RT: 4.739 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

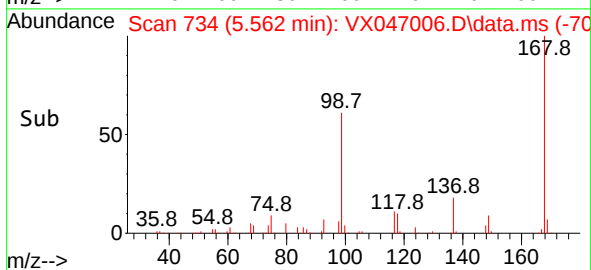
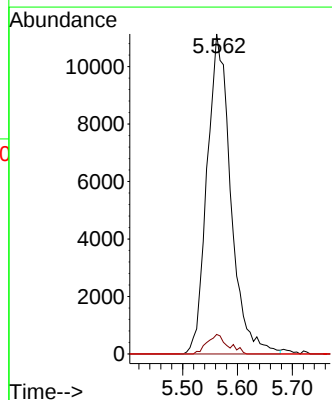
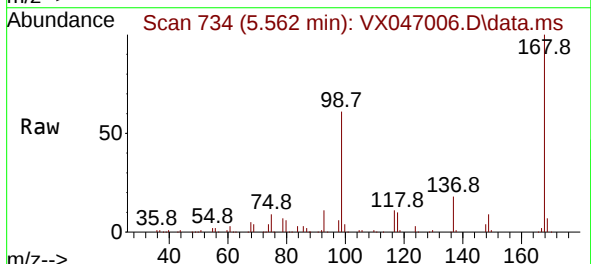
Instrument :
MSVOA_X
ClientSampleId :
PB168804TB

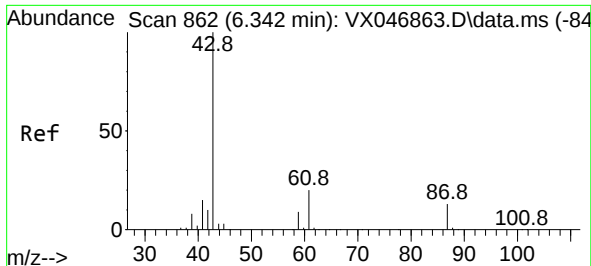
Tgt Ion: 43 Resp: 15639
Ion Ratio Lower Upper
43 100
61 15.6 9.7 14.5#
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 6.118 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

Tgt Ion: 117 Resp: 33488
Ion Ratio Lower Upper
117 100
119 6.1 76.6 114.8#
121 0.0 24.1 36.1#

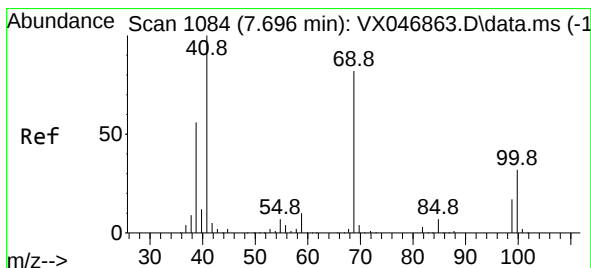
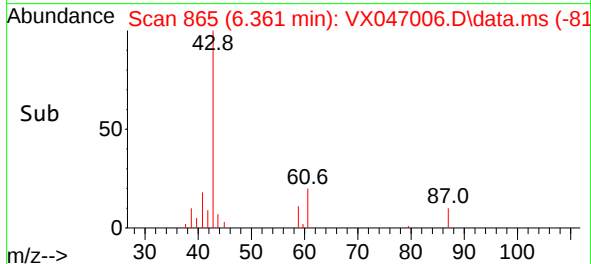
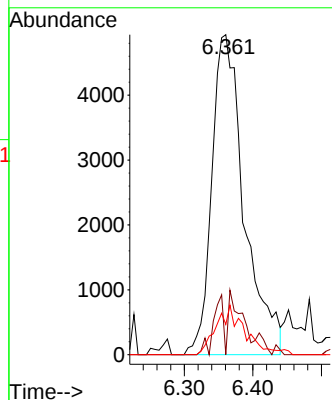
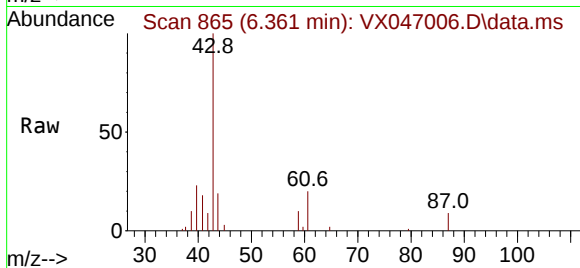




#43
Isopropyl Acetate
Concen: 2.398 ug/l
RT: 6.361 min Scan# 80
Delta R.T. 0.018 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

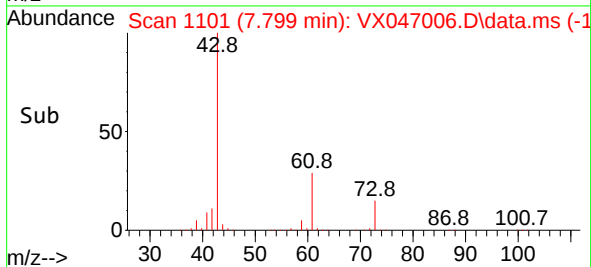
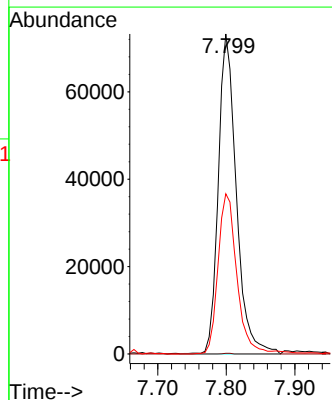
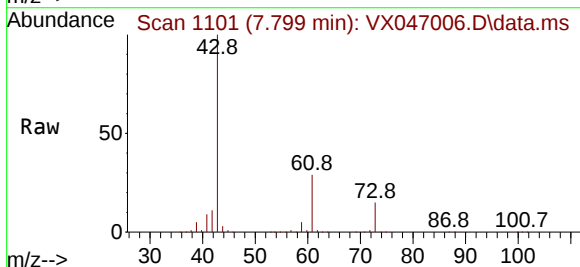
Instrument :
MSVOA_X
ClientSampleId :
PB168804TB

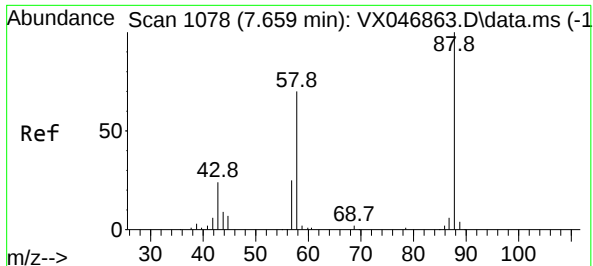
Tgt Ion: 43 Resp: 16199
Ion Ratio Lower Upper
43 100
61 5.7 15.7 23.5#
87 0.0 10.1 15.1#



#48
Methyl methacrylate
Concen: 38.216 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

Tgt Ion: 41 Resp: 133275
Ion Ratio Lower Upper
41 100
69 0.1 65.8 98.8#
39 52.9 43.8 65.6





#49

1,4-Dioxane

Concen: 4.925 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX047006.D

Acq: 15 Jul 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

PB168804TB

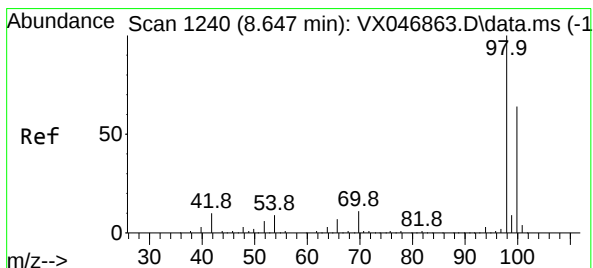
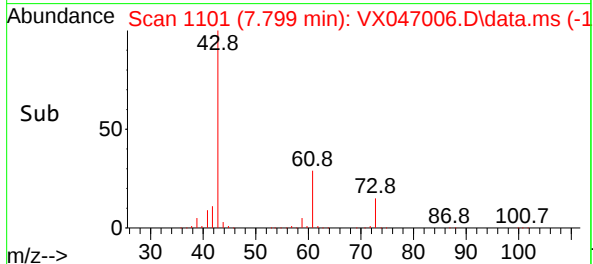
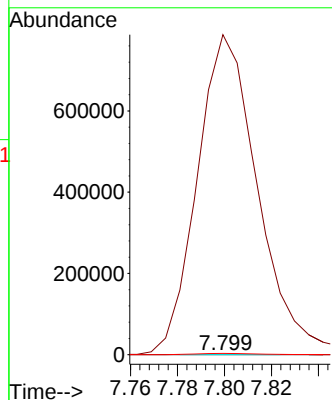
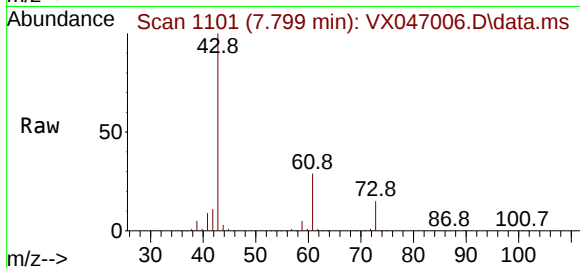
Tgt Ion: 88 Resp: 199

Ion Ratio Lower Upper

88 100

43 724874.9 31.7 47.5#

58 2924.6 57.5 86.3#



#50

Toluene-d8

Concen: 48.043 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX047006.D

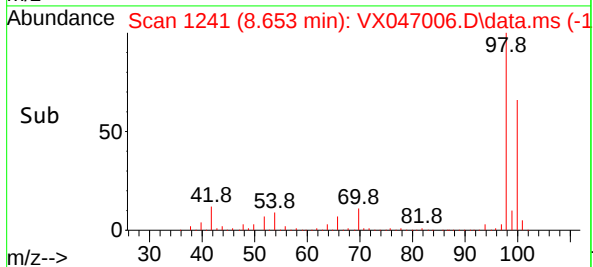
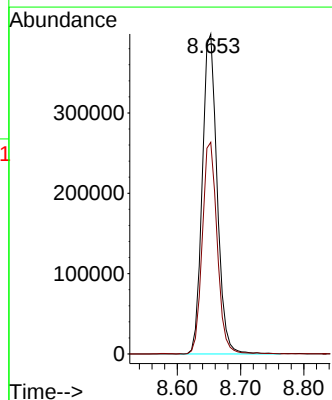
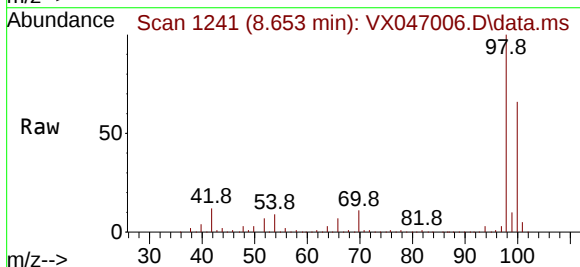
Acq: 15 Jul 2025 16:45

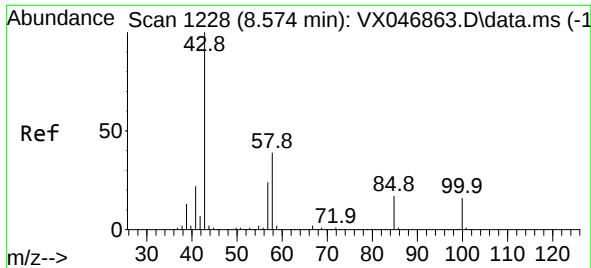
Tgt Ion: 98 Resp: 650423

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.6

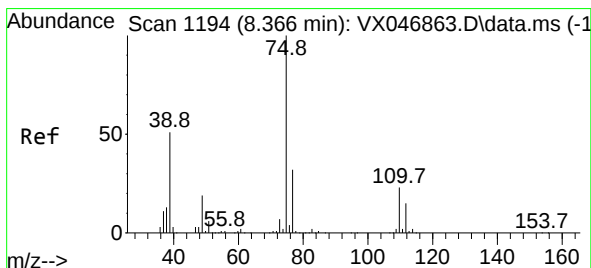
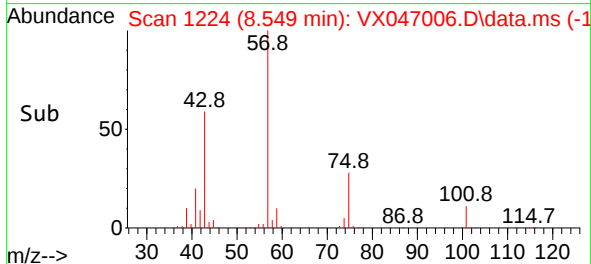
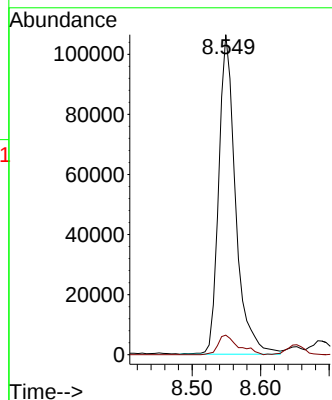
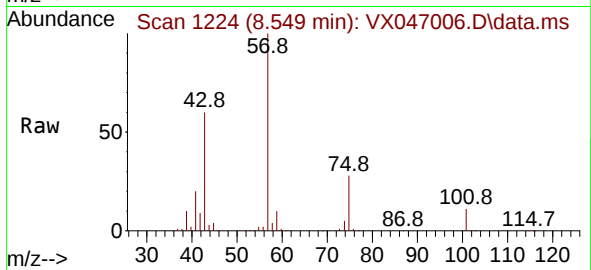




#51
4-Methyl-2-Pentanone
Concen: 45.479 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

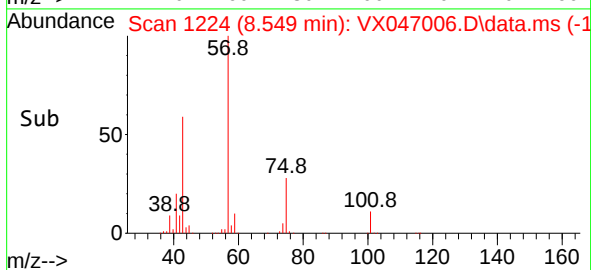
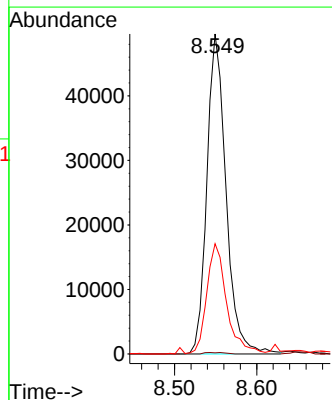
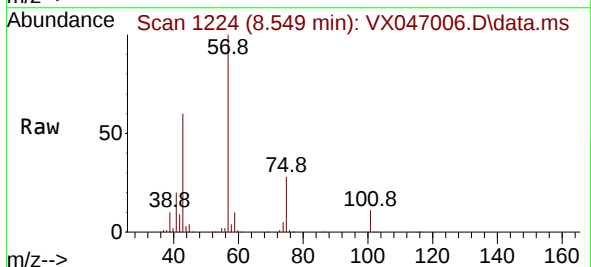
Instrument :
MSVOA_X
ClientSampleId :
PB168804TB

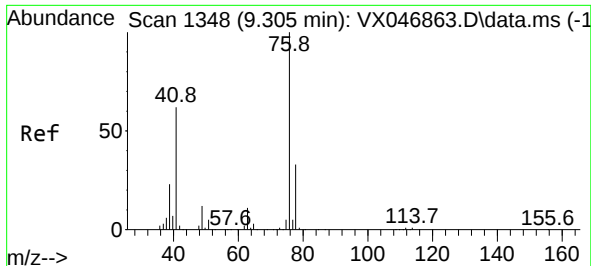
Tgt Ion: 43 Resp: 181282
Ion Ratio Lower Upper
43 100
58 7.5 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 13.449 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

Tgt Ion: 75 Resp: 80187
Ion Ratio Lower Upper
75 100
77 0.4 25.4 38.2#
39 33.6 40.7 61.1#





#57

1,3-Dichloropropane

Concen: 0.892 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX047006.D

Acq: 15 Jul 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

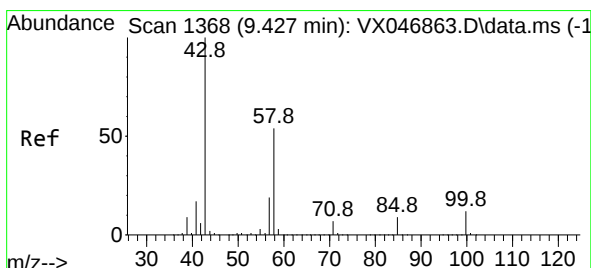
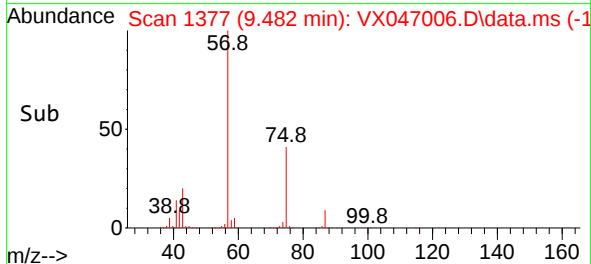
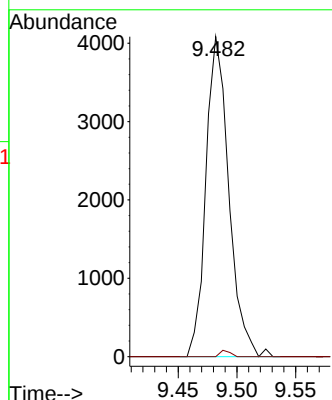
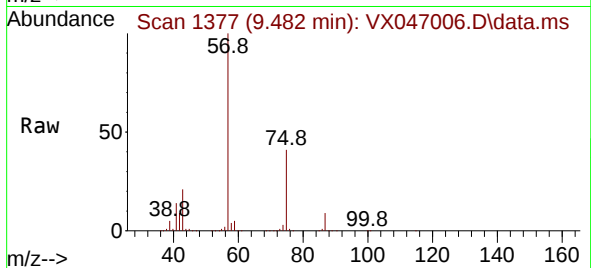
PB168804TB

Tgt Ion: 76 Resp: 5549

Ion Ratio Lower Upper

76 100

78 0.9 25.9 38.9#



#59

2-Hexanone

Concen: 9.558 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX047006.D

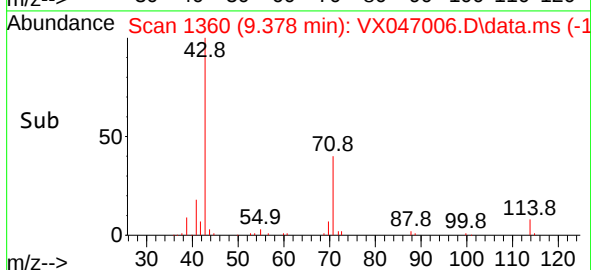
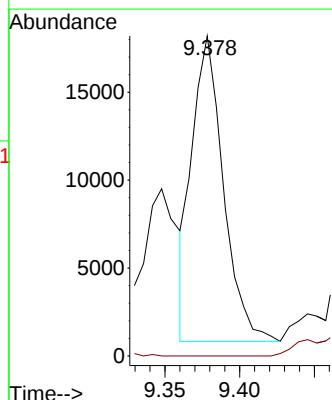
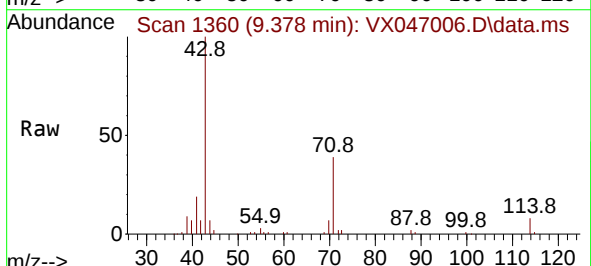
Acq: 15 Jul 2025 16:45

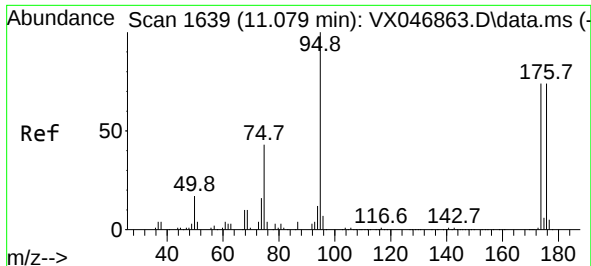
Tgt Ion: 43 Resp: 25271

Ion Ratio Lower Upper

43 100

58 0.0 27.1 81.3#

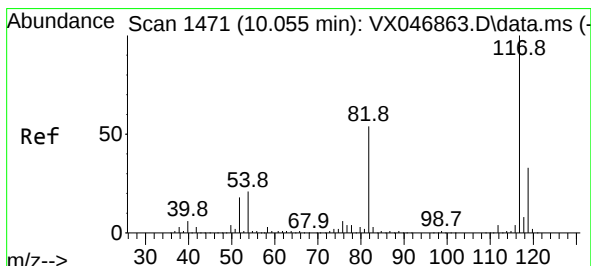
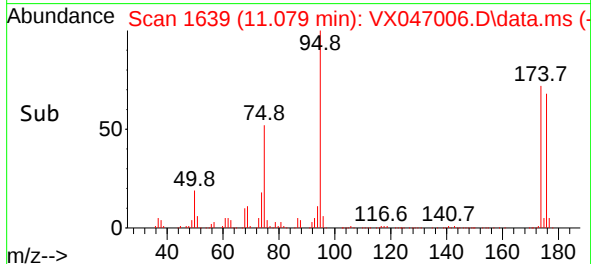
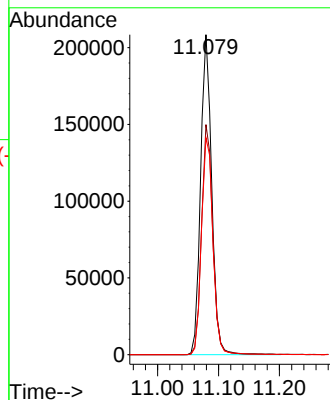
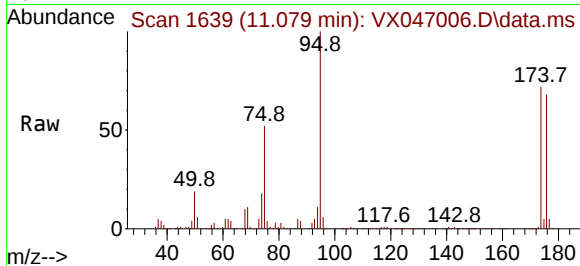




#62
4-Bromofluorobenzene
Concen: 51.031 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

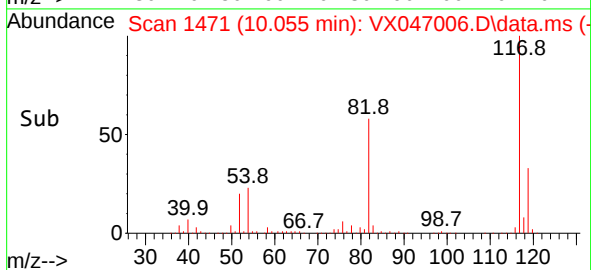
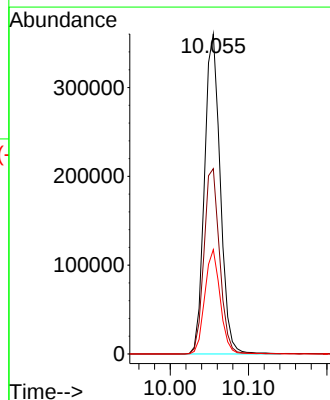
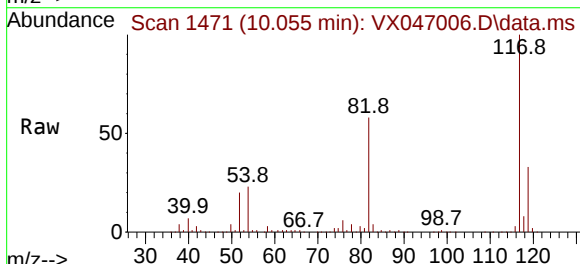
Instrument :
MSVOA_X
ClientSampleId :
PB168804TB

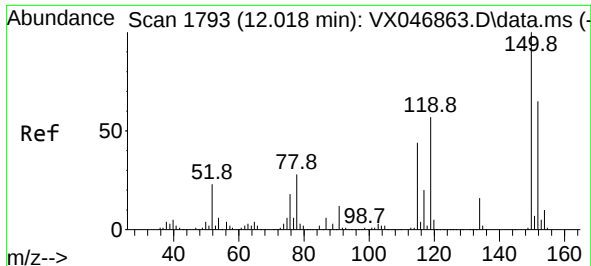
Tgt Ion: 95 Resp: 262572
Ion Ratio Lower Upper
95 100
174 72.7 0.0 152.0
176 70.4 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047006.D
Acq: 15 Jul 2025 16:45

Tgt Ion: 117 Resp: 501766
Ion Ratio Lower Upper
117 100
82 57.9 43.3 64.9
119 32.6 26.4 39.6

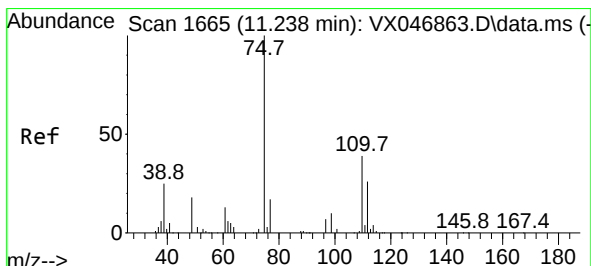
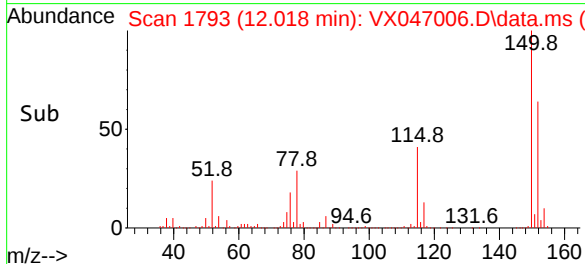
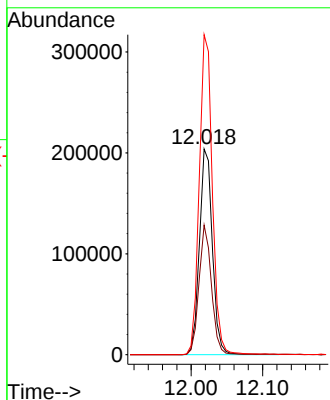
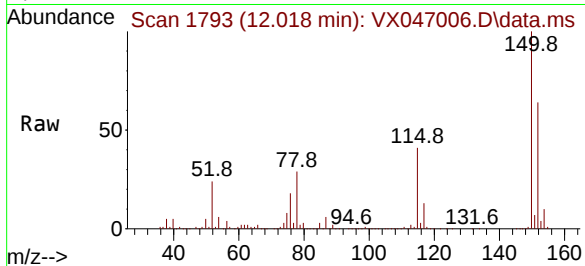




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047006.D
 Acq: 15 Jul 2025 16:45

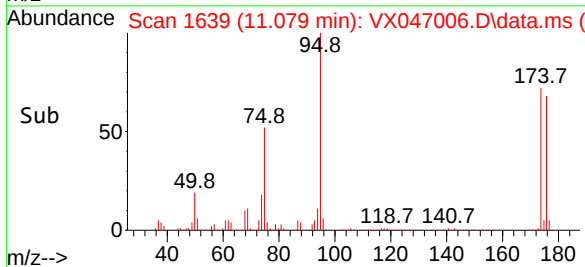
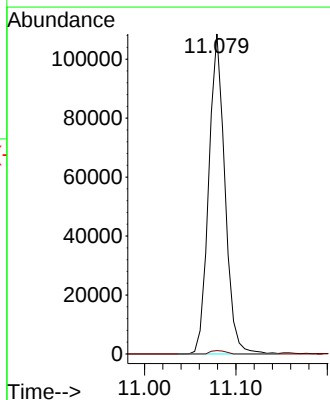
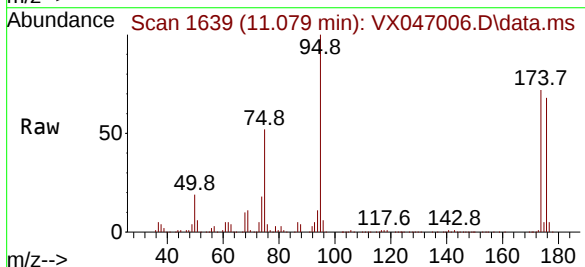
Instrument :
 MSVOA_X
 ClientSampleId :
 PB168804TB

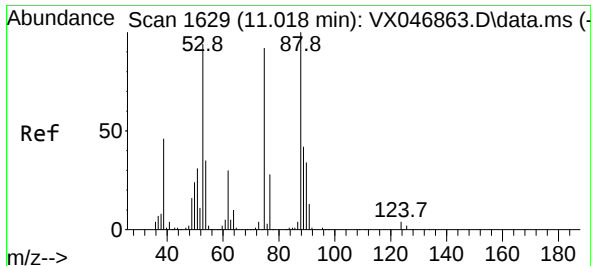
Tgt Ion:152 Resp: 256861
 Ion Ratio Lower Upper
 152 100
 115 60.7 42.4 127.1
 150 157.2 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 33.519 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX047006.D
 Acq: 15 Jul 2025 16:45

Tgt Ion: 75 Resp: 133031
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.6 61.8#

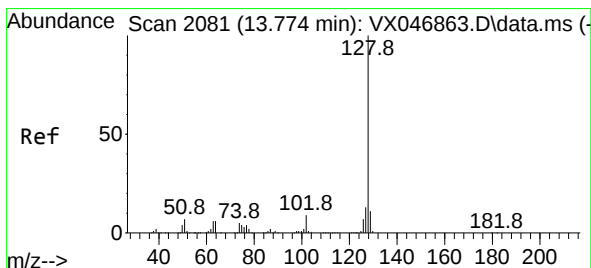
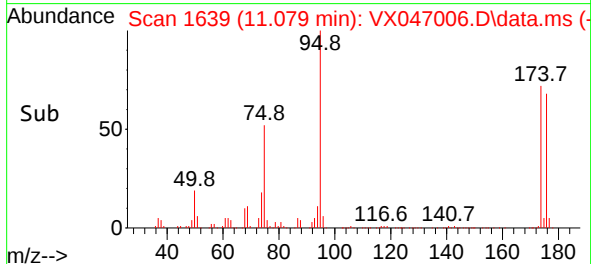
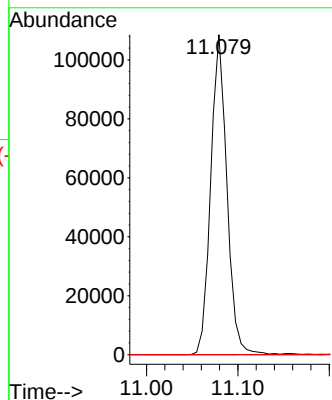
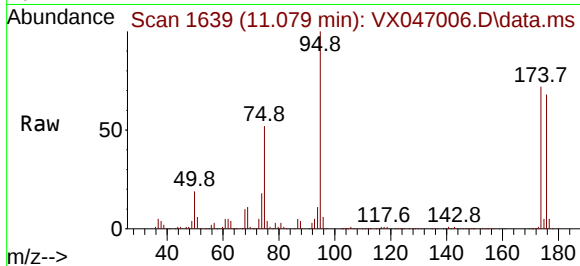




#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.947 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047006.D
 Acq: 15 Jul 2025 16:45

Instrument :
 MSVOA_X
 ClientSampleId :
 PB168804TB

Tgt Ion: 75 Resp: 133031
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.0 38.2 57.2#



#95
 Naphthalene
 Concen: 0.376 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX047006.D
 Acq: 15 Jul 2025 16:45

Tgt Ion:128 Resp: 5486
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.2 15.4
 129 9.4 8.6 13.0

