

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046947.D
 Acq On : 10 Jul 2025 16:08
 Operator : JC/MD
 Sample : PB168762TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB168762TB

Quant Time: Jul 11 01:32:42 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)

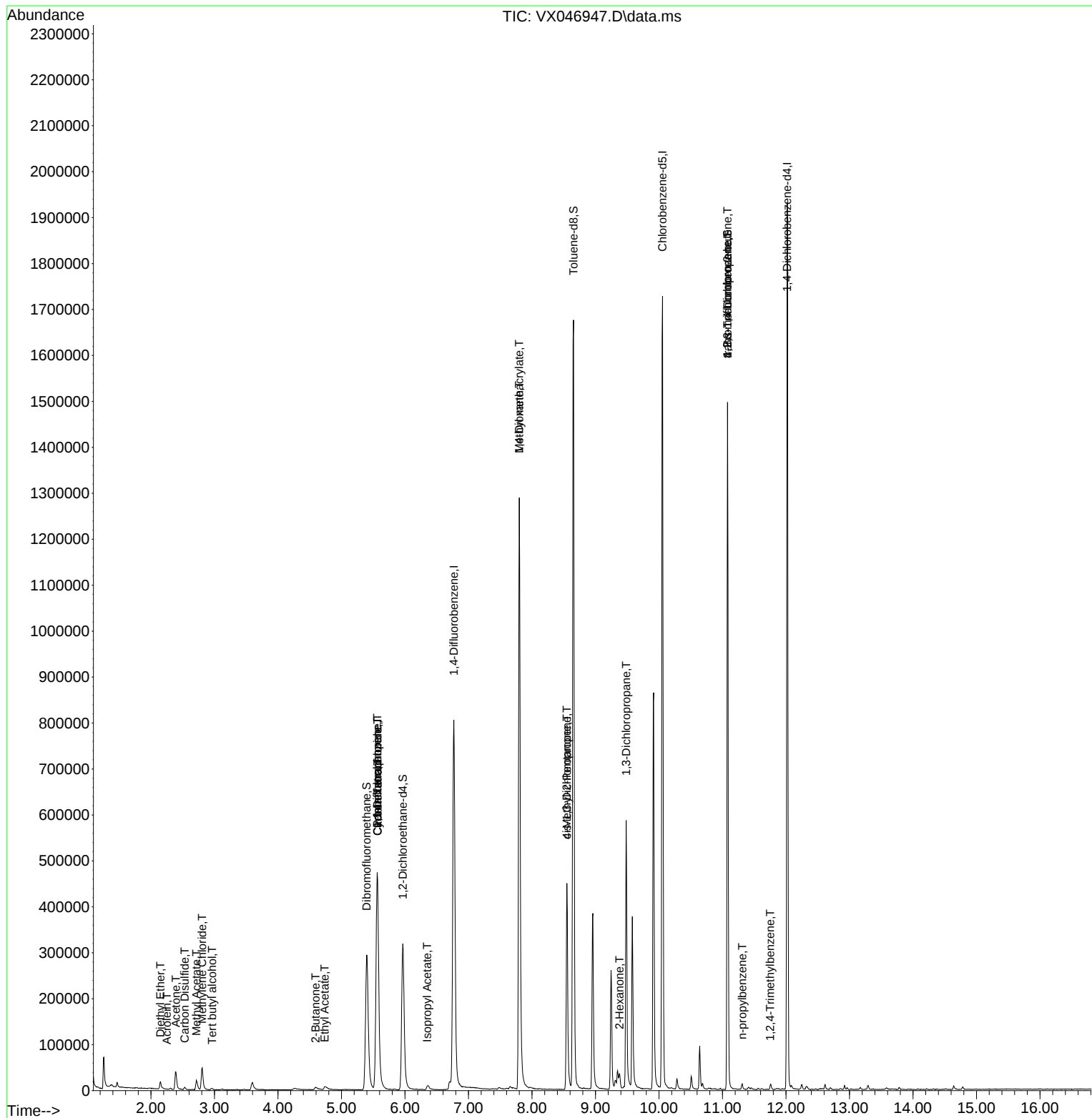
Internal Standards						
1) Pentafluorobenzene	5.562	168	480574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	854277	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	784807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	394897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	327575	51.596	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.200%			
35) Dibromofluoromethane	5.398	113	275963	47.589	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.180%			
50) Toluene-d8	8.653	98	1016556	49.686	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.380%			
62) 4-Bromofluorobenzene	11.079	95	393181	50.565	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.120%			
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.148	74	6218	2.067	ug/l	98
11) Tert butyl alcohol	2.965	59	923	2.217	ug/l #	72
13) Acrolein	2.252	56	77	3.000	ug/l	85
16) Acetone	2.392	43	52065	26.401	ug/l	90
17) Carbon Disulfide	2.532	76	5270	0.386	ug/l #	74
18) Methyl Acetate	2.715	43	28423	5.468	ug/l	99
20) Methylene Chloride	2.807	84	22620	3.879	ug/l	98
25) 2-Butanone	4.593	43	12281	4.668	ug/l	99
31) Cyclohexane	5.568	56	11001	1.212	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	38327	4.899	ug/l #	47
37) Ethyl Acetate	4.733	43	13938	2.092	ug/l #	90
38) Carbon Tetrachloride	5.568	117	48948	5.918	ug/l #	15
43) Isopropyl Acetate	6.349	43	15007	1.470	ug/l #	63
48) Methyl methacrylate	7.800	41	118116	22.412	ug/l #	44
49) 1,4-Dioxane	7.800	88	179	2.931	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	159111	26.414	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	75593	8.389	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	5586	0.594	ug/l #	42
59) 2-Hexanone	9.379	43	23620	5.912	ug/l #	24
76) 1,2,3-Trichloropropane	11.079	75	199911	32.763	ug/l #	36
78) n-propylbenzene	11.311	91	7026	0.210	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	199911	87.920	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	4731	0.208	ug/l	96

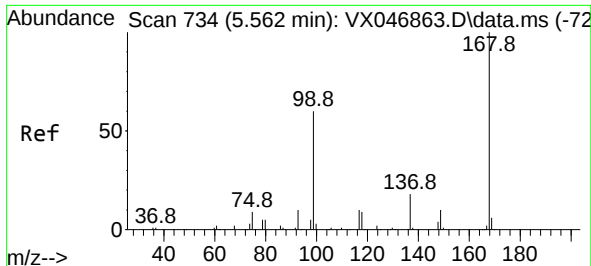
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 11 01:32:42 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

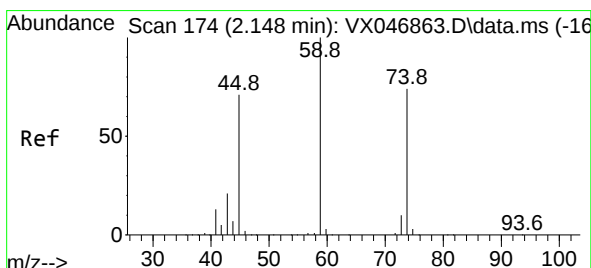
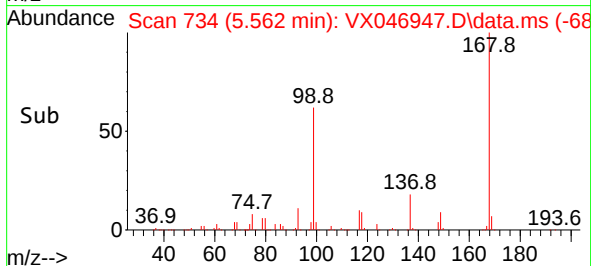
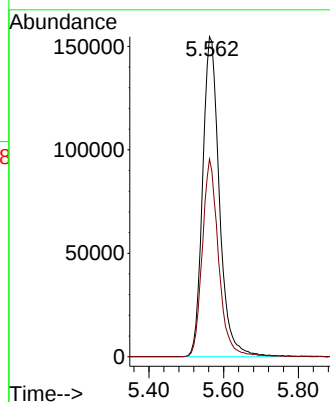
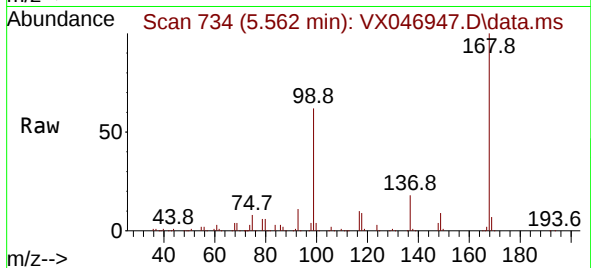




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

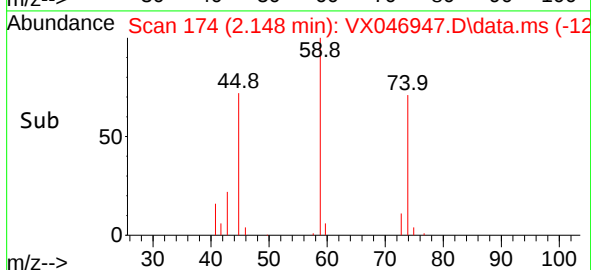
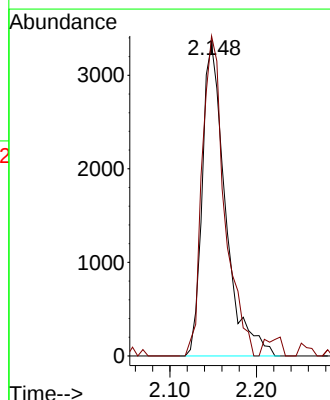
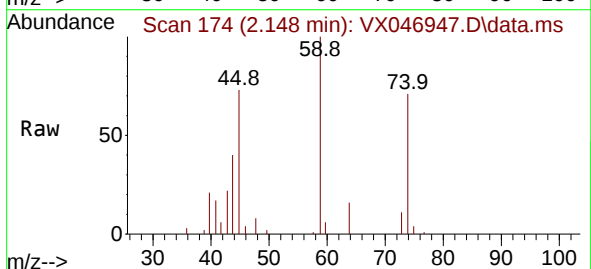
Instrument :
MSVOA_X
ClientSampleId :
PB168762TB

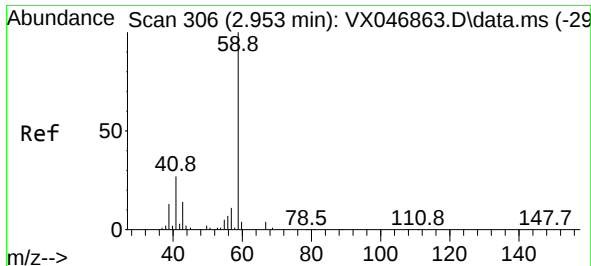
Tgt Ion:168 Resp: 480574
Ion Ratio Lower Upper
168 100
99 61.7 48.8 73.2



#8
Diethyl Ether
Concen: 2.067 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

Tgt Ion: 74 Resp: 6218
Ion Ratio Lower Upper
74 100
45 99.2 50.7 152.1

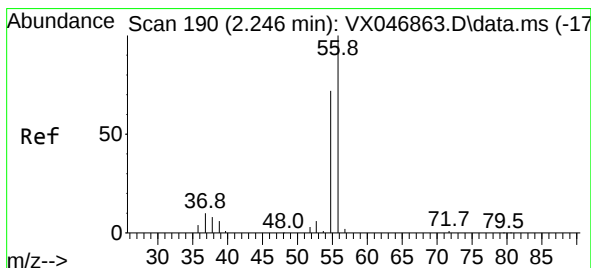
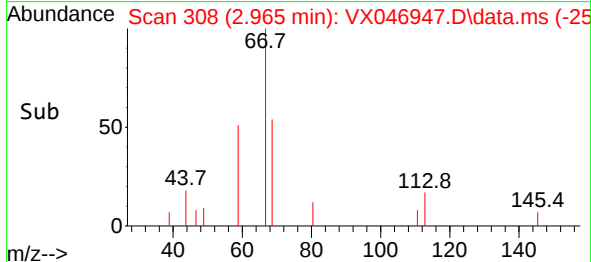
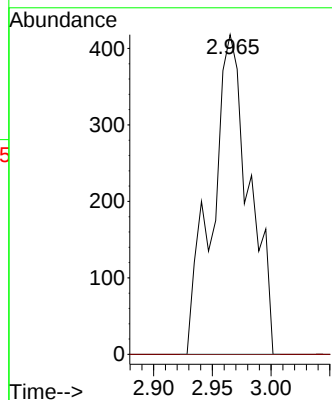
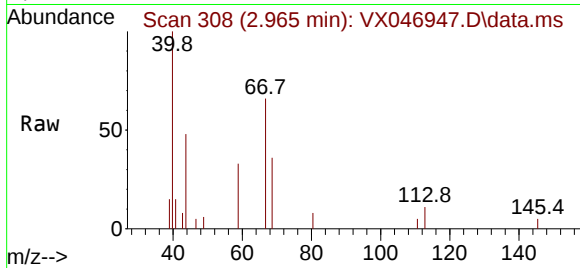




#11
Tert butyl alcohol
Concen: 2.217 ug/l
RT: 2.965 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

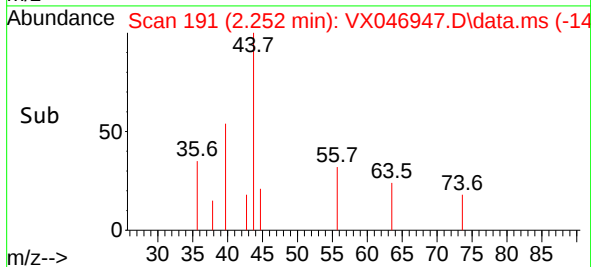
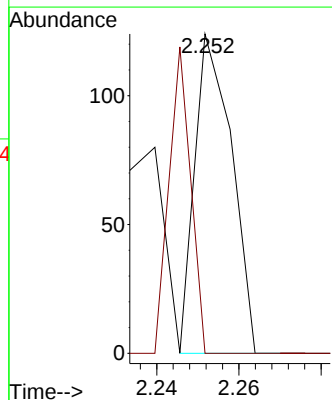
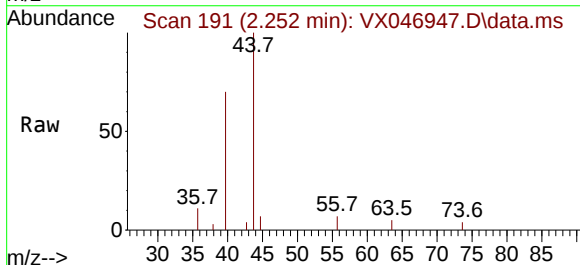
Instrument :
MSVOA_X
ClientSampleId :
PB168762TB

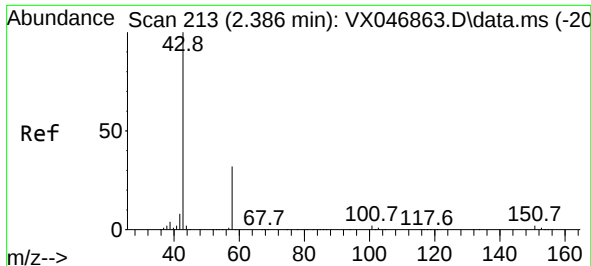
Tgt Ion: 59 Resp: 923
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 3.000 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 57.1 55.5 83.3

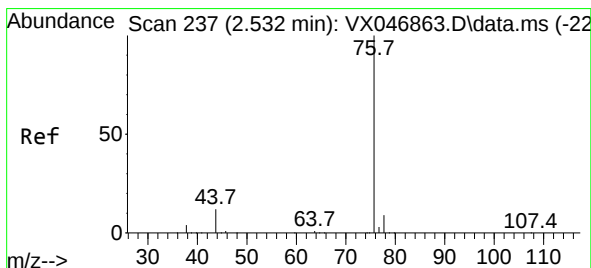
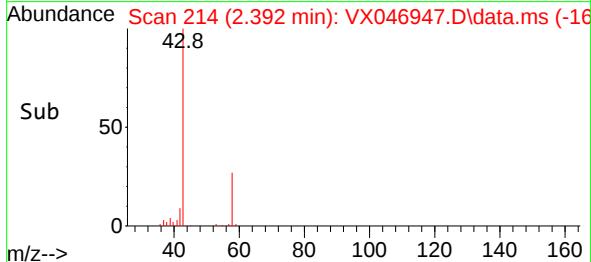
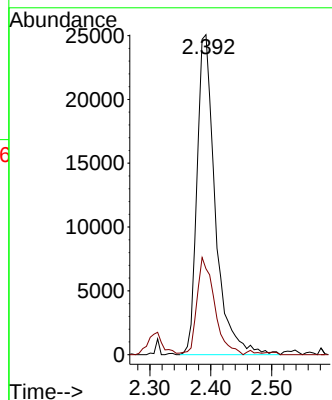
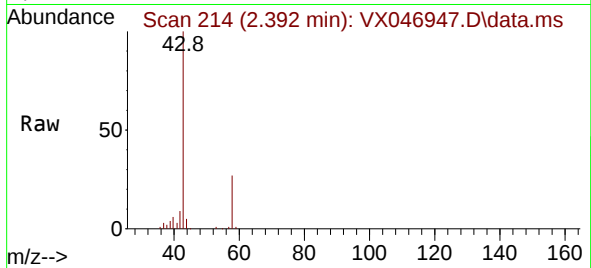




#16
Acetone
Concen: 26.401 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

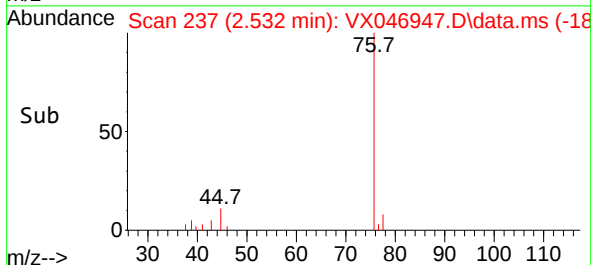
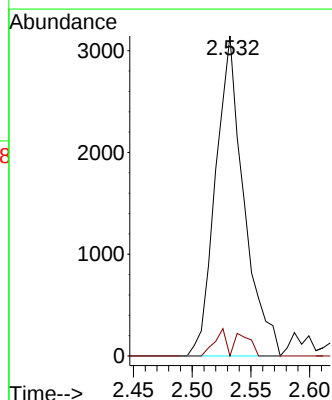
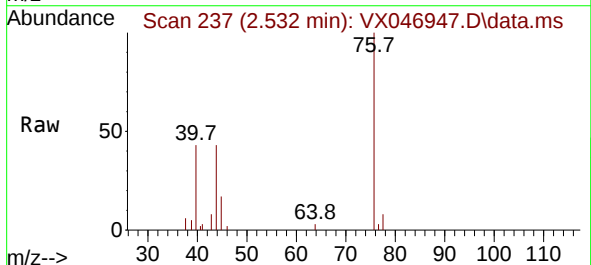
Instrument :
MSVOA_X
ClientSampleId :
PB168762TB

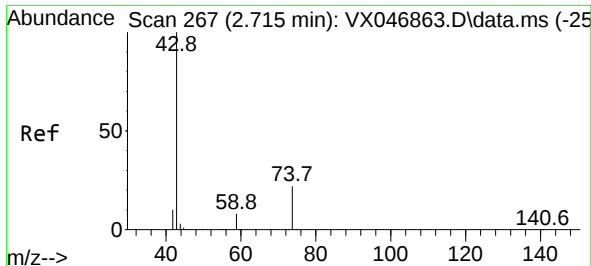
Tgt Ion: 43 Resp: 52065
Ion Ratio Lower Upper
43 100
58 26.8 25.8 38.6



#17
Carbon Disulfide
Concen: 0.386 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

Tgt Ion: 76 Resp: 5270
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

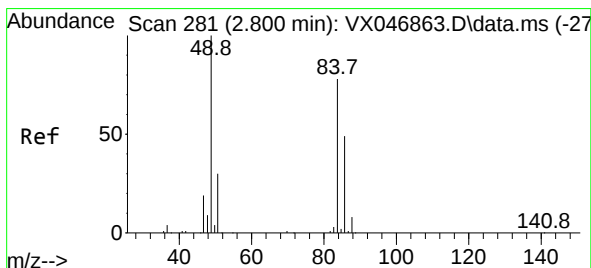
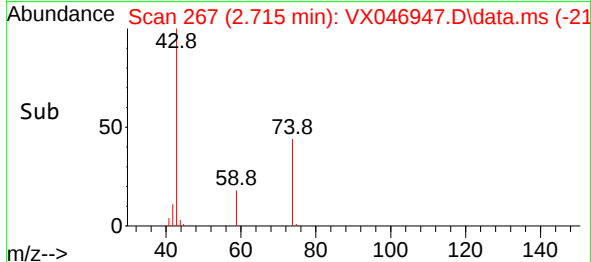
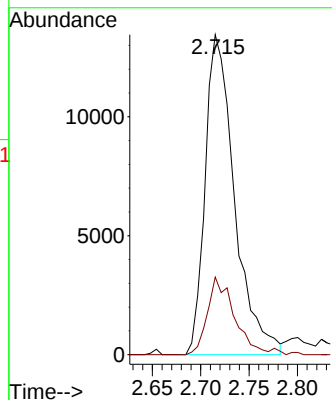
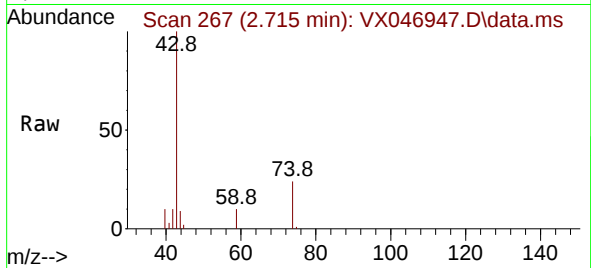




#18
Methyl Acetate
Concen: 5.468 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

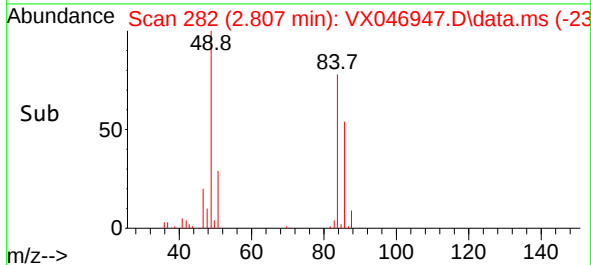
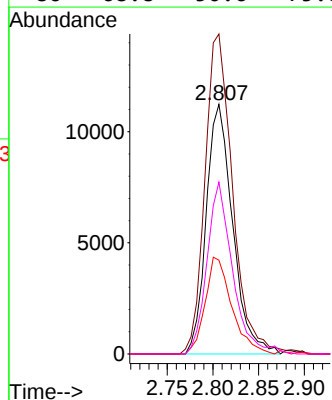
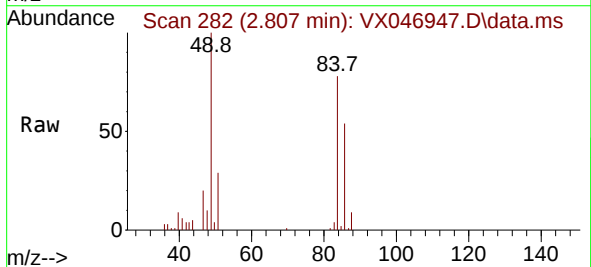
Instrument :
MSVOA_X
ClientSampleId :
PB168762TB

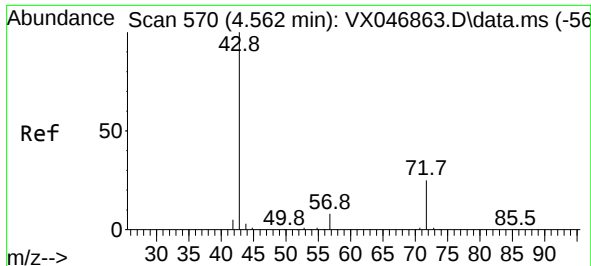
Tgt Ion: 43 Resp: 28423
Ion Ratio Lower Upper
43 100
74 22.6 18.3 27.5



#20
Methylene Chloride
Concen: 3.879 ug/l
RT: 2.807 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

Tgt Ion: 84 Resp: 22620
Ion Ratio Lower Upper
84 100
49 128.2 102.8 154.2
51 37.6 31.1 46.7
86 68.8 50.6 75.8





#25

2-Butanone

Concen: 4.668 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX046947.D

Acq: 10 Jul 2025 16:08

Instrument :

MSVOA_X

ClientSampleId :

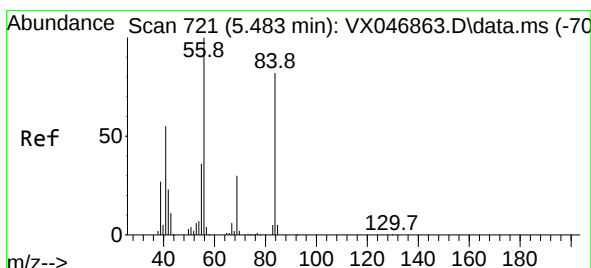
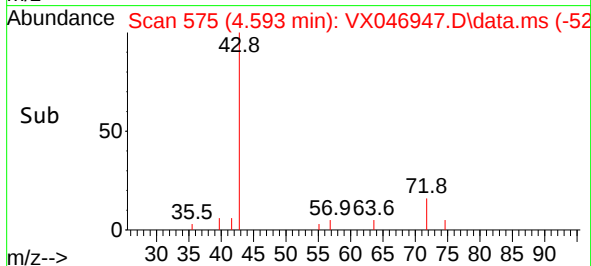
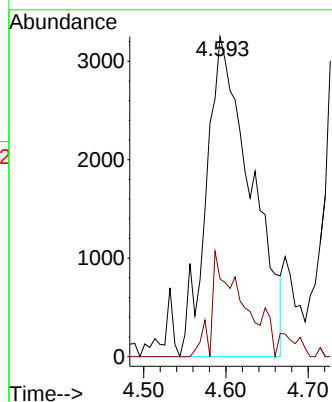
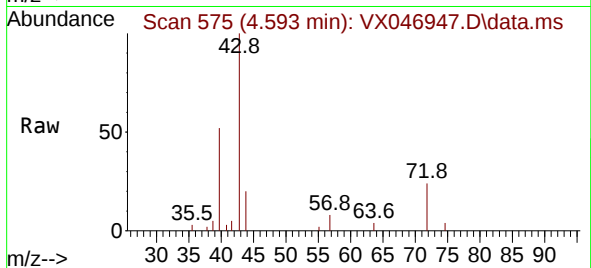
PB168762TB

Tgt Ion: 43 Resp: 12281

Ion Ratio Lower Upper

43 100

72 24.3 20.0 30.0



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.085 min

Lab File: VX046947.D

Acq: 10 Jul 2025 16:08

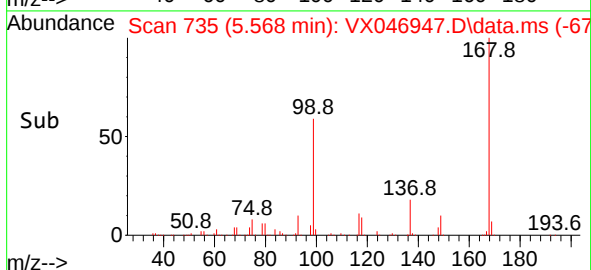
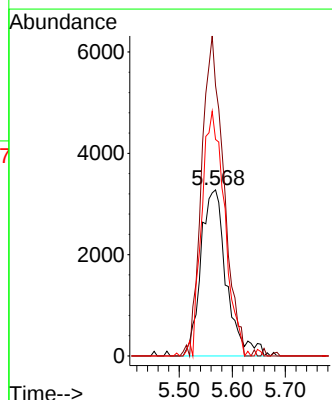
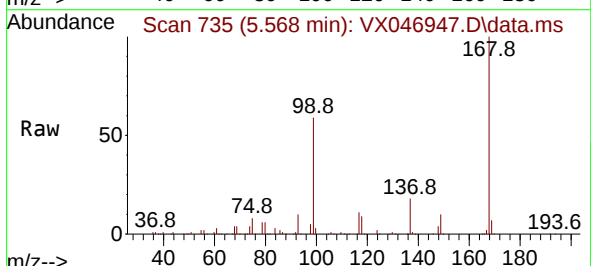
Tgt Ion: 56 Resp: 11001

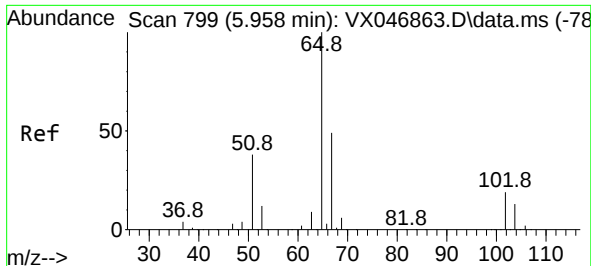
Ion Ratio Lower Upper

56 100

69 162.8 24.0 36.0#

84 130.4 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 51.596 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX046947.D

Acq: 10 Jul 2025 16:08

Instrument :

MSVOA_X

ClientSampleId :

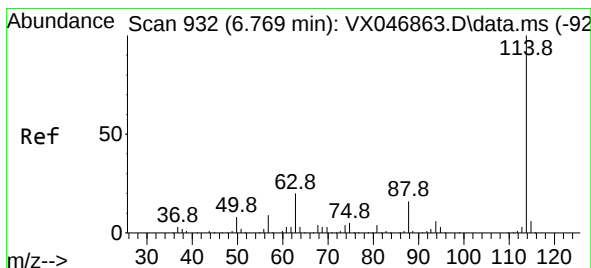
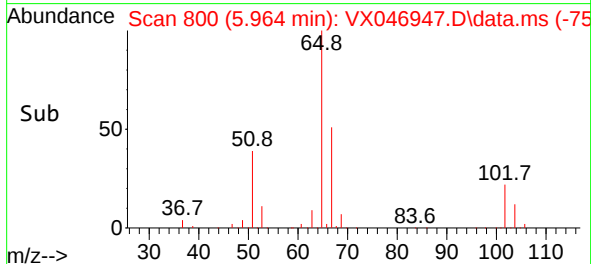
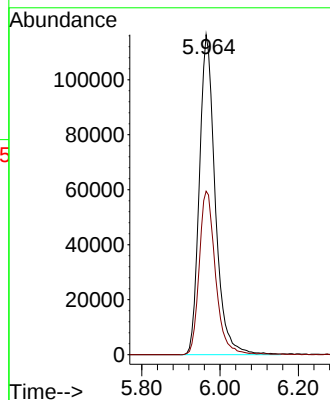
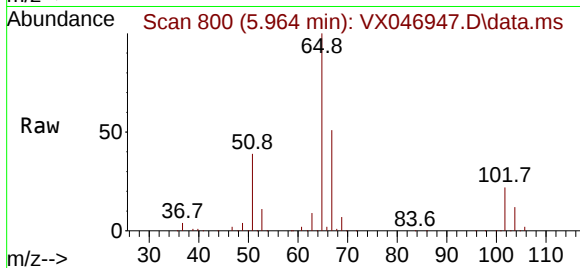
PB168762TB

Tgt Ion: 65 Resp: 327575

Ion Ratio Lower Upper

65 100

67 52.3 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: VX046947.D

Acq: 10 Jul 2025 16:08

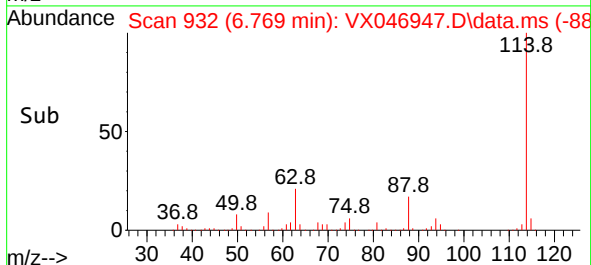
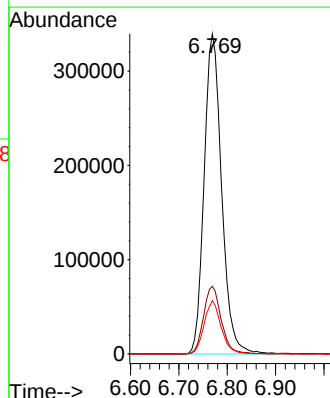
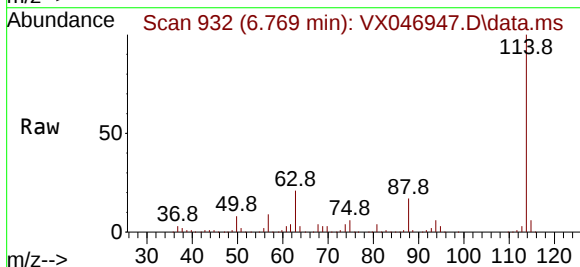
Tgt Ion: 114 Resp: 854277

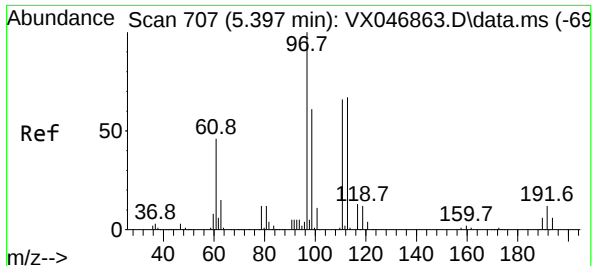
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.4

88 16.7 0.0 31.0

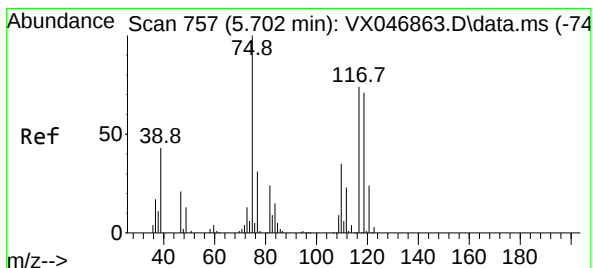
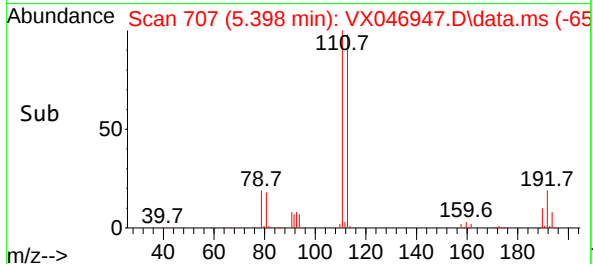
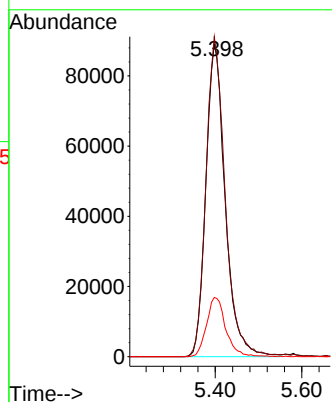
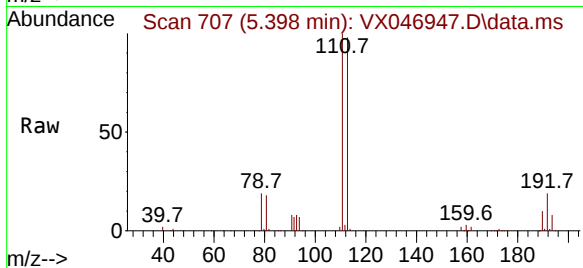




#35
Dibromofluoromethane
Concen: 47.589 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

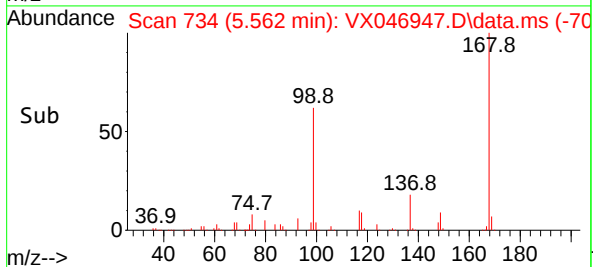
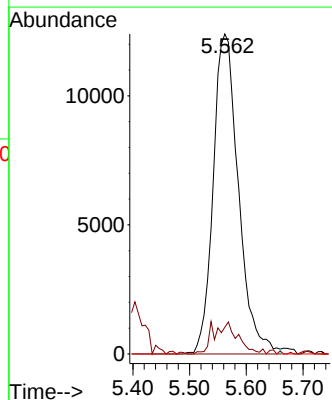
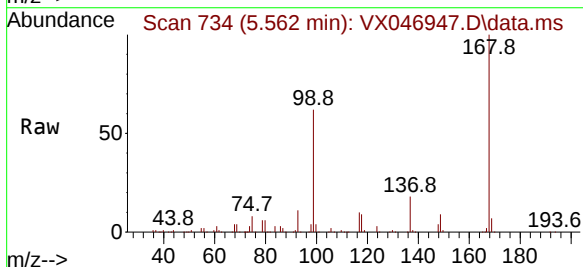
Instrument :
MSVOA_X
ClientSampleId :
PB168762TB

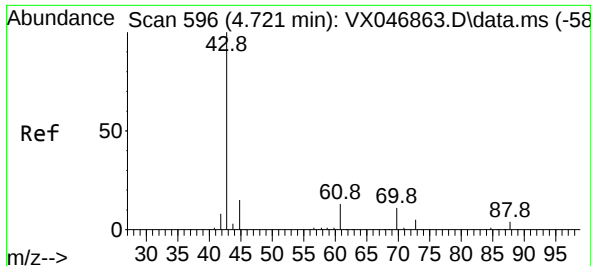
Tgt Ion:113 Resp: 275963
Ion Ratio Lower Upper
113 100
111 102.0 81.2 121.8
192 18.9 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.899 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

Tgt Ion: 75 Resp: 38327
Ion Ratio Lower Upper
75 100
110 5.5 17.3 51.9#
77 0.0 24.2 36.4#





#37

Ethyl Acetate

Concen: 2.092 ug/l

RT: 4.733 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX046947.D

Acq: 10 Jul 2025 16:08

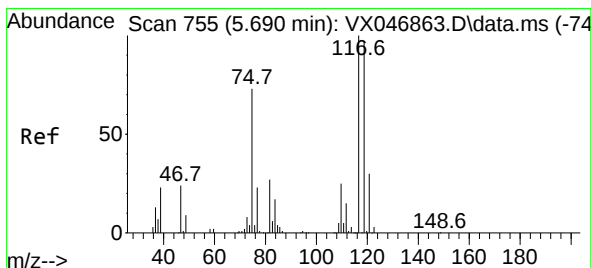
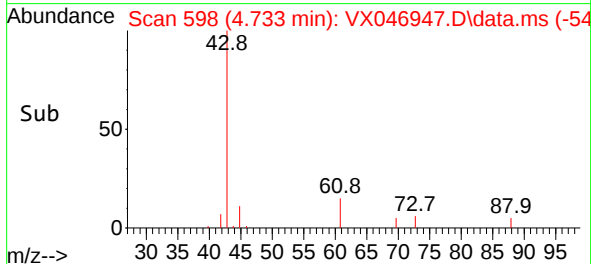
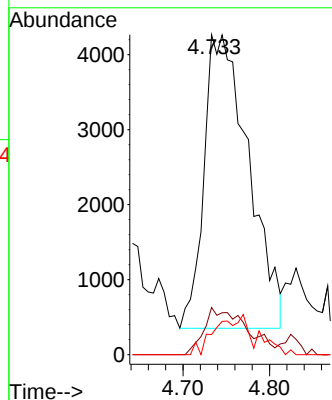
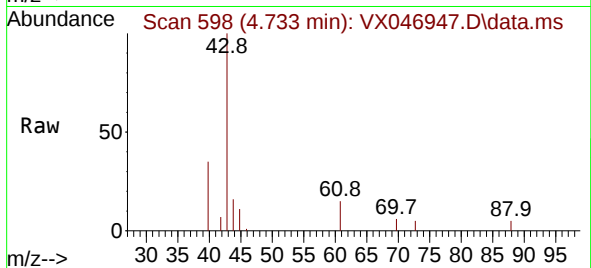
Instrument :

MSVOA_X

ClientSampleId :

PB168762TB

Tgt Ion:	43	Resp:	13938
Ion	Ratio	Lower	Upper
43	100		
61	15.3	9.7	14.5#
70	6.2	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.918 ug/l

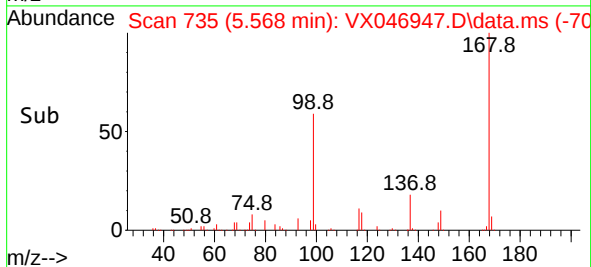
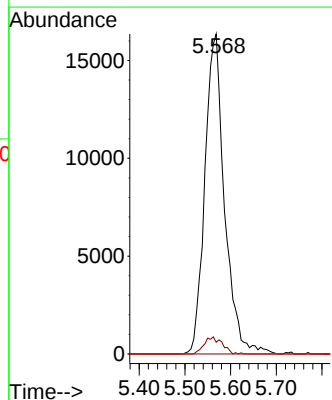
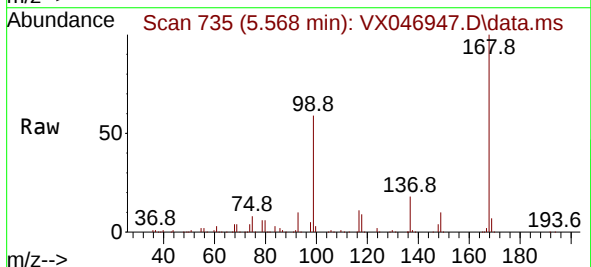
RT: 5.568 min Scan# 735

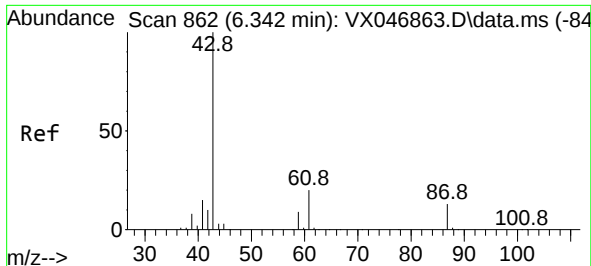
Delta R.T. -0.122 min

Lab File: VX046947.D

Acq: 10 Jul 2025 16:08

Tgt Ion:	117	Resp:	48948
Ion	Ratio	Lower	Upper
117	100		
119	3.6	76.6	114.8#
121	0.0	24.1	36.1#

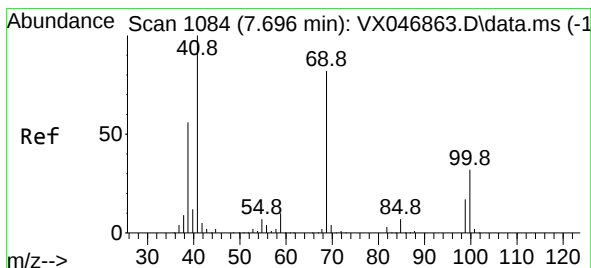
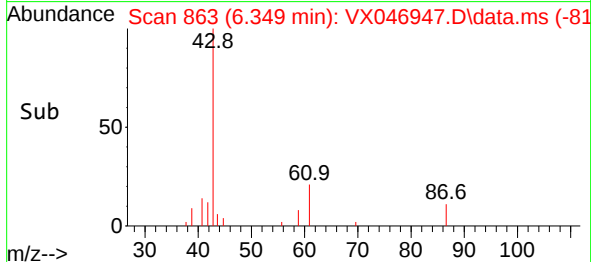
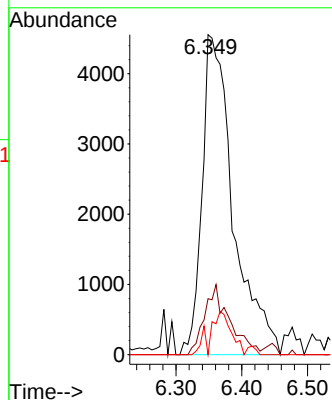
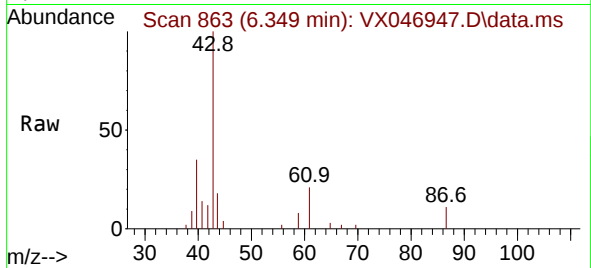




#43
Isopropyl Acetate
Concen: 1.470 ug/l
RT: 6.349 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

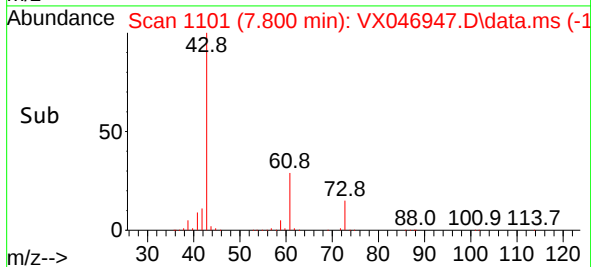
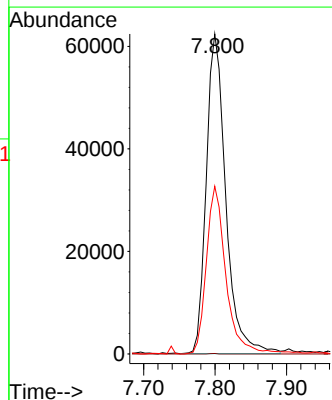
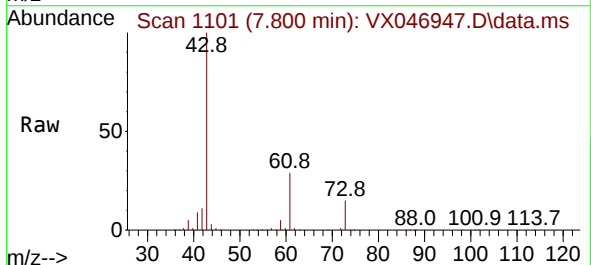
Instrument :
MSVOA_X
ClientSampleId :
PB168762TB

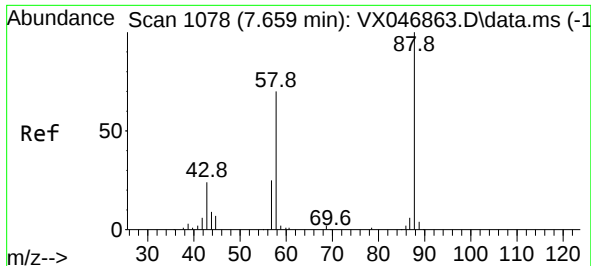
Tgt Ion: 43 Resp: 15007
Ion Ratio Lower Upper
43 100
61 0.0 15.7 23.5#
87 1.4 10.1 15.1#



#48
Methyl methacrylate
Concen: 22.412 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

Tgt Ion: 41 Resp: 118116
Ion Ratio Lower Upper
41 100
69 0.1 65.8 98.8#
39 53.0 43.8 65.6

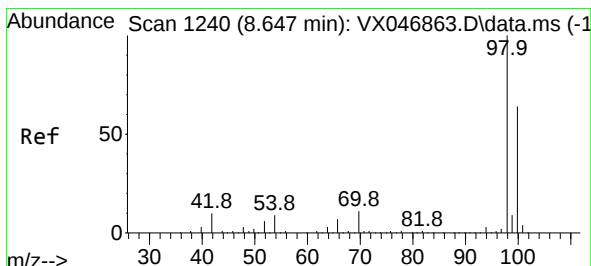
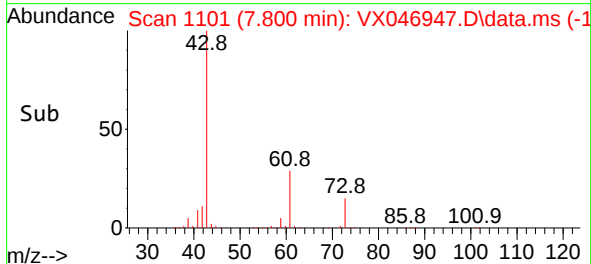
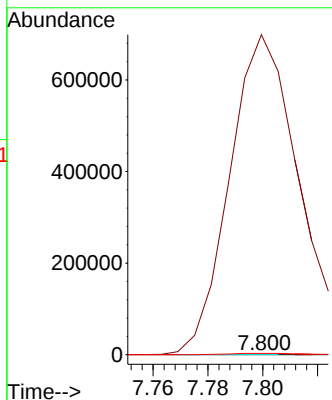
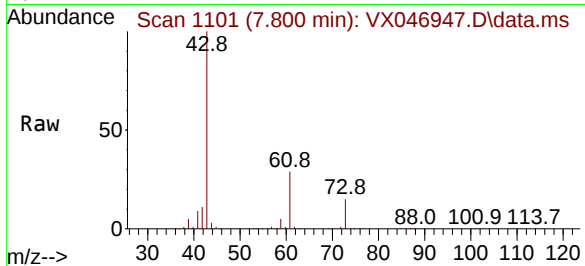




#49
1,4-Dioxane
Concen: 2.931 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

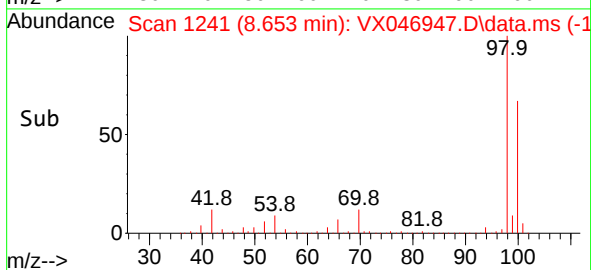
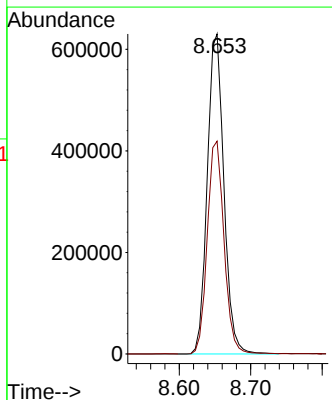
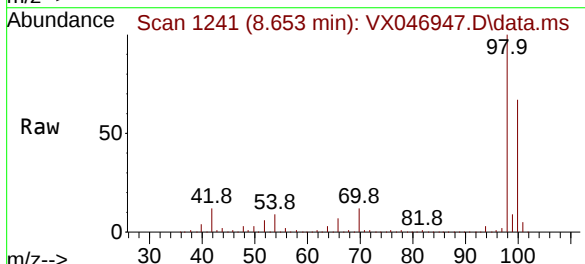
Instrument :
MSVOA_X
ClientSampleId :
PB168762TB

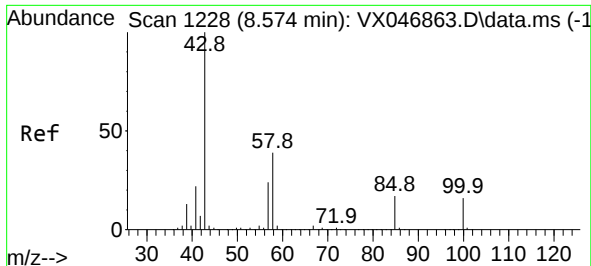
Tgt Ion: 88 Resp: 179
Ion Ratio Lower Upper
88 100
43 731630.2 31.7 47.5#
58 3275.4 57.5 86.3#



#50
Toluene-d8
Concen: 49.686 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

Tgt Ion: 98 Resp: 1016556
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.6

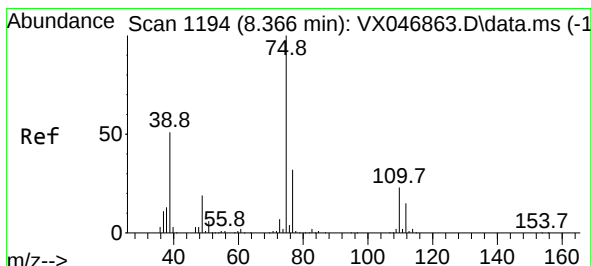
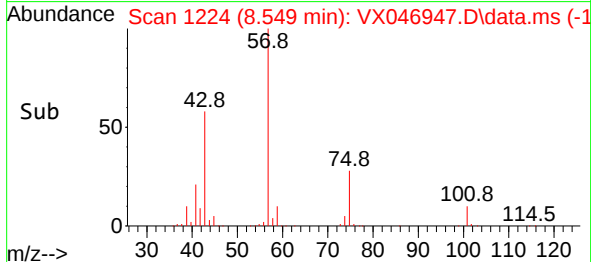
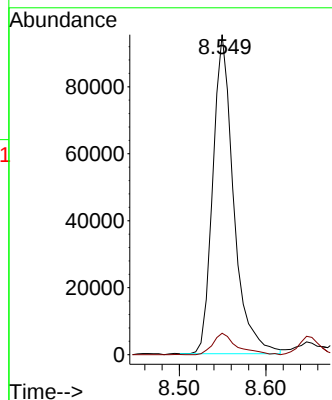
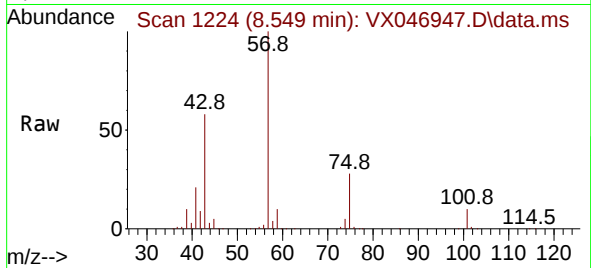




#51
4-Methyl-2-Pentanone
Concen: 26.414 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

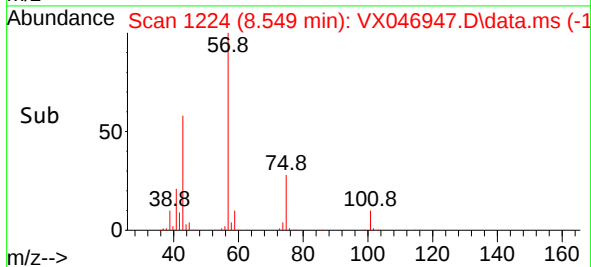
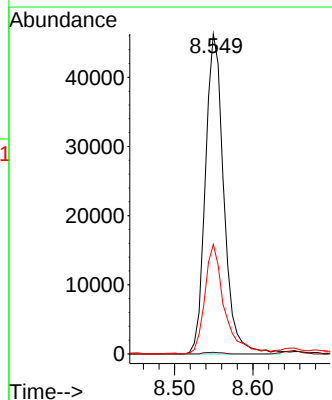
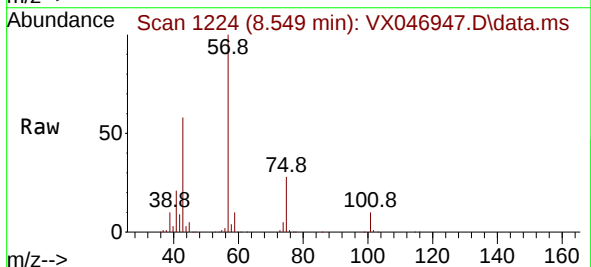
Instrument :
MSVOA_X
ClientSampleId :
PB168762TB

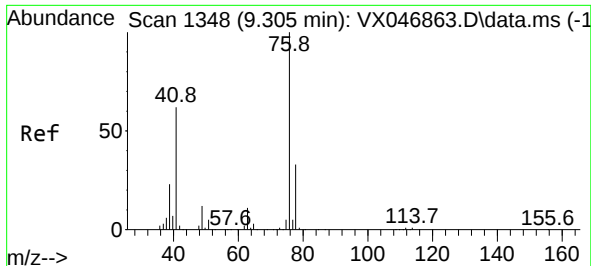
Tgt Ion: 43 Resp: 159111
Ion Ratio Lower Upper
43 100
58 7.6 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 8.389 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

Tgt Ion: 75 Resp: 75593
Ion Ratio Lower Upper
75 100
77 0.6 25.4 38.2#
39 33.1 40.7 61.1#





#57

1,3-Dichloropropane

Concen: 0.594 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX046947.D

Acq: 10 Jul 2025 16:08

Instrument :

MSVOA_X

ClientSampleId :

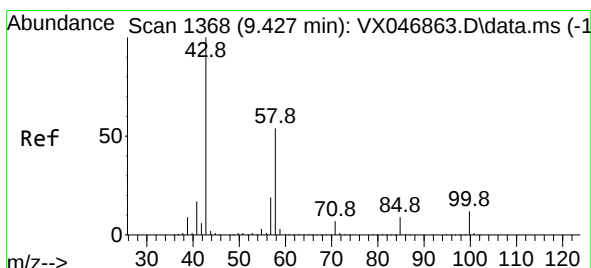
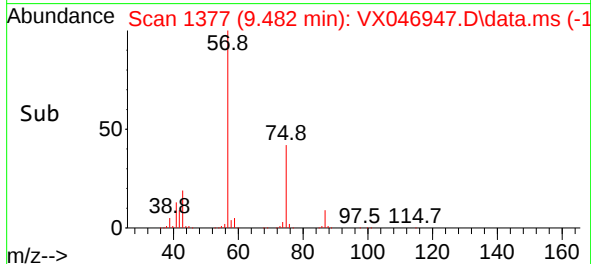
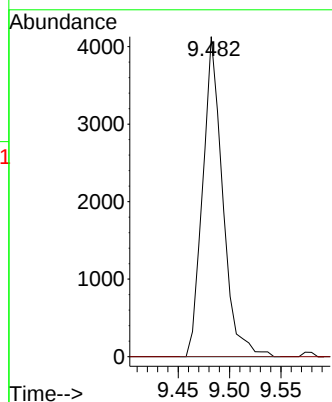
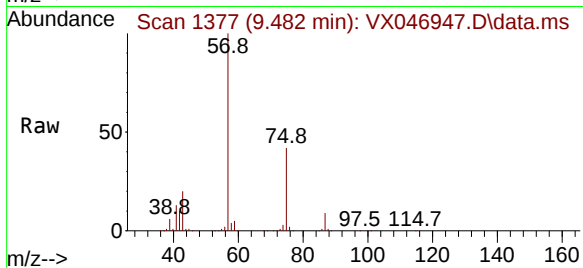
PB168762TB

Tgt Ion: 76 Resp: 5586

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 5.912 ug/l

RT: 9.379 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046947.D

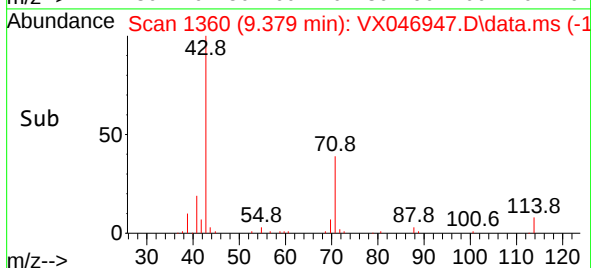
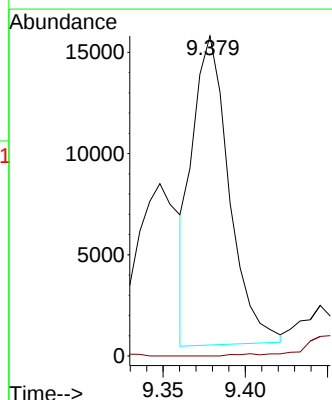
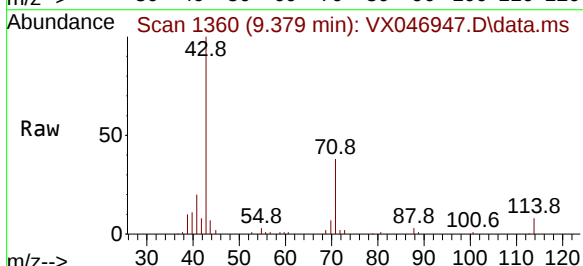
Acq: 10 Jul 2025 16:08

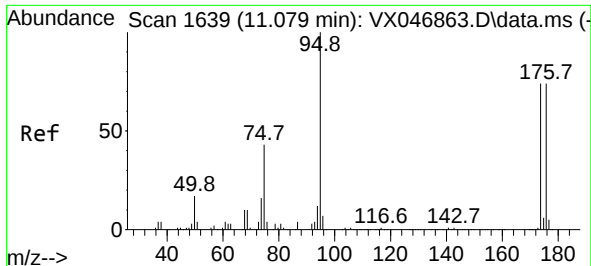
Tgt Ion: 43 Resp: 23620

Ion Ratio Lower Upper

43 100

58 0.0 27.1 81.3#

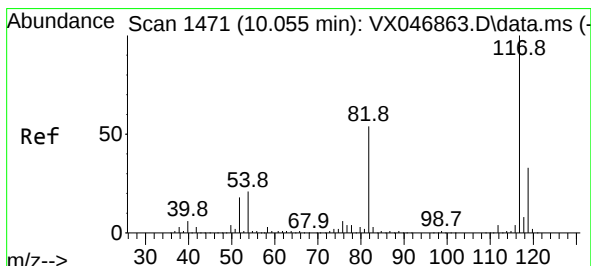
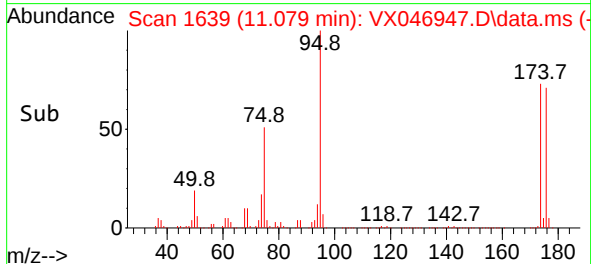
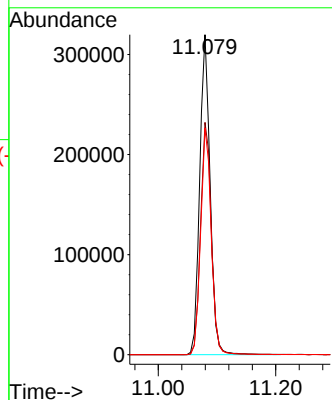
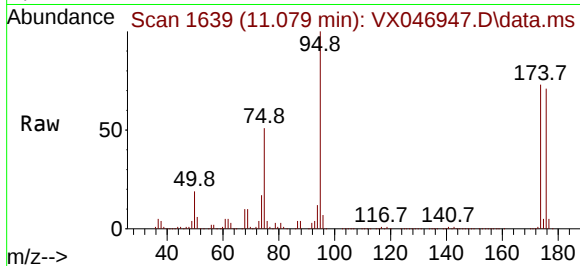




#62
4-Bromofluorobenzene
Concen: 50.565 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

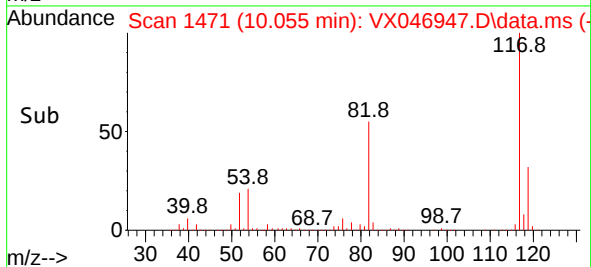
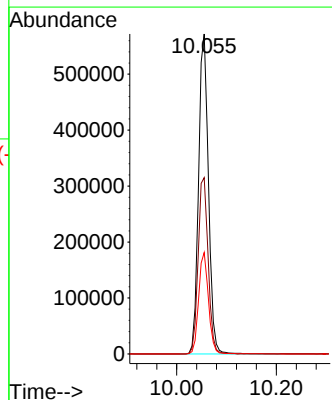
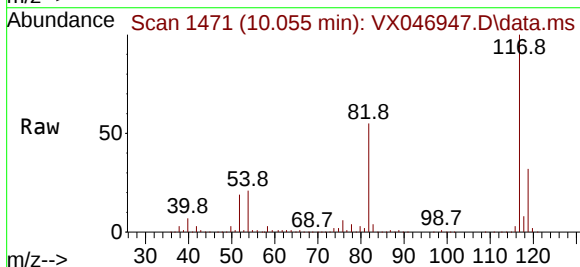
Instrument :
MSVOA_X
ClientSampleId :
PB168762TB

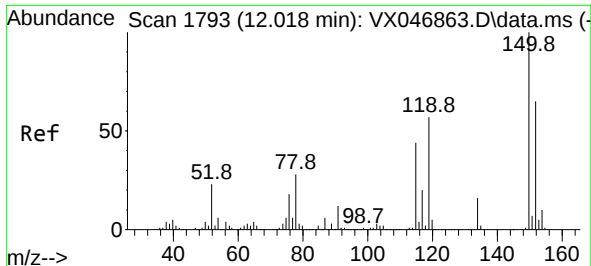
Tgt Ion: 95 Resp: 393181
Ion Ratio Lower Upper
95 100
174 75.3 0.0 152.0
176 72.0 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

Tgt Ion: 117 Resp: 784807
Ion Ratio Lower Upper
117 100
82 55.1 43.3 64.9
119 31.7 26.4 39.6

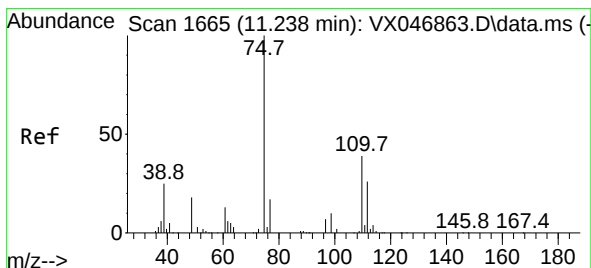
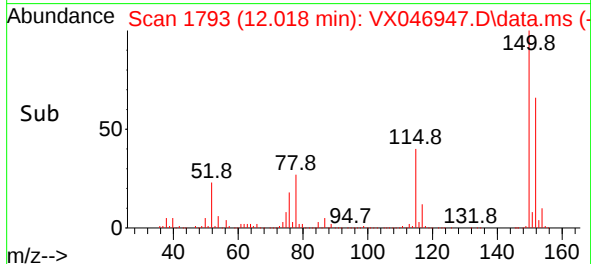
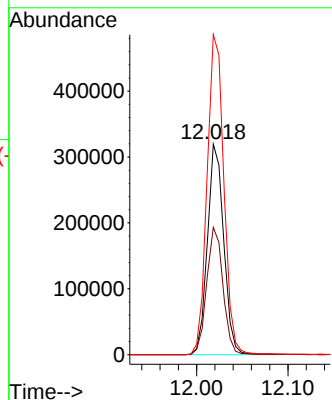
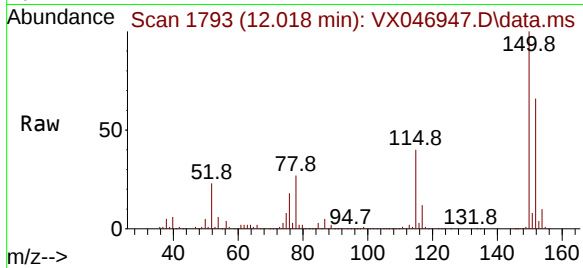




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046947.D
 Acq: 10 Jul 2025 16:08

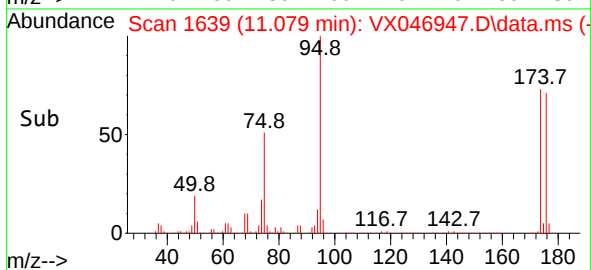
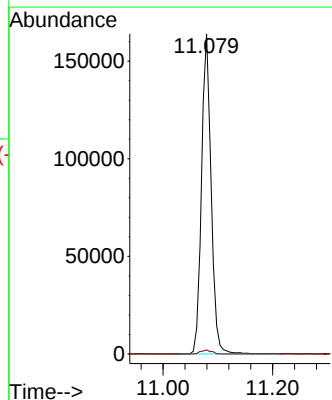
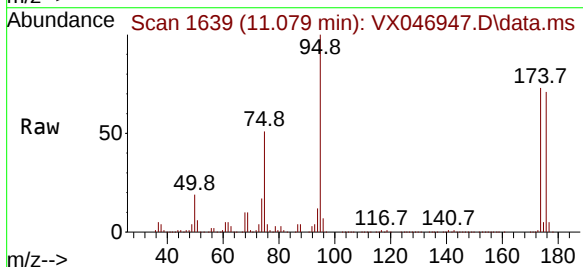
Instrument :
 MSVOA_X
 ClientSampleId :
 PB168762TB

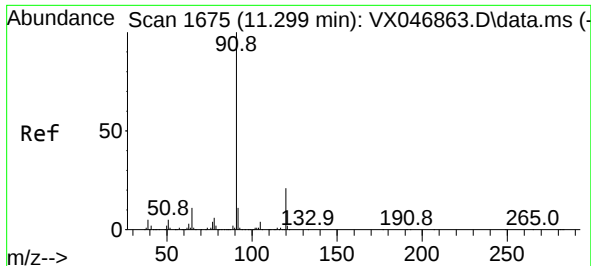
Tgt Ion:152 Resp: 394897
 Ion Ratio Lower Upper
 152 100
 115 60.4 42.4 127.1
 150 156.5 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 32.763 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX046947.D
 Acq: 10 Jul 2025 16:08

Tgt Ion: 75 Resp: 199911
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.6 61.8#

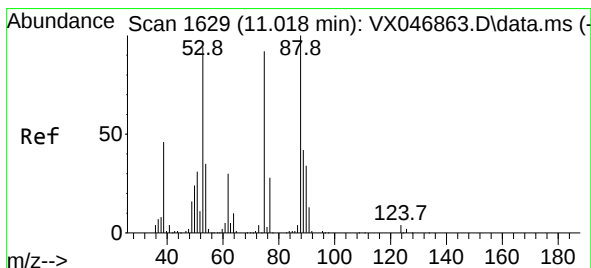
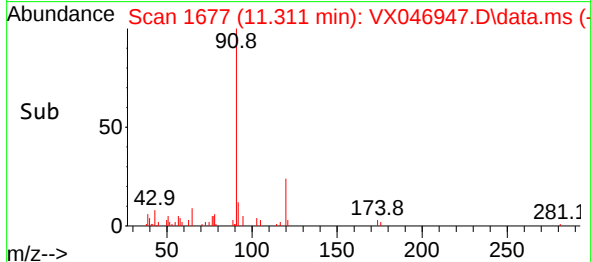
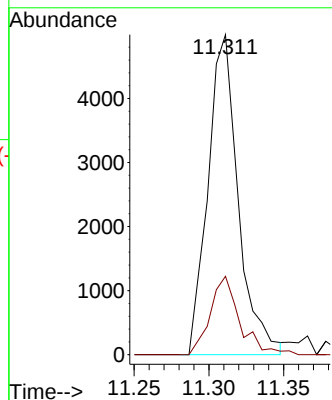
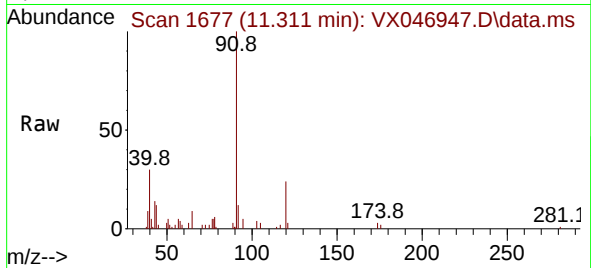




#78
n-propylbenzene
Concen: 0.210 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.012 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

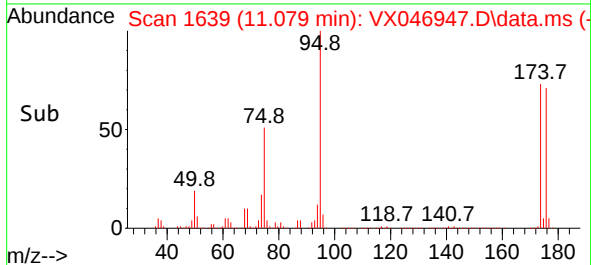
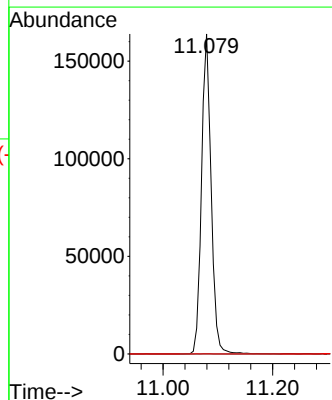
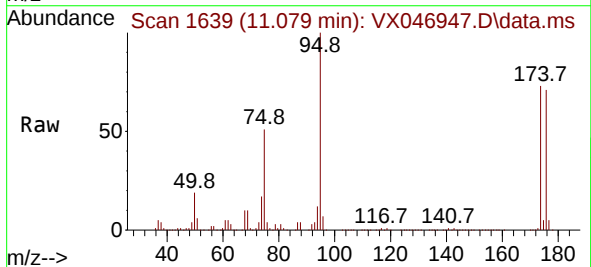
Instrument :
MSVOA_X
ClientSampleId :
PB168762TB

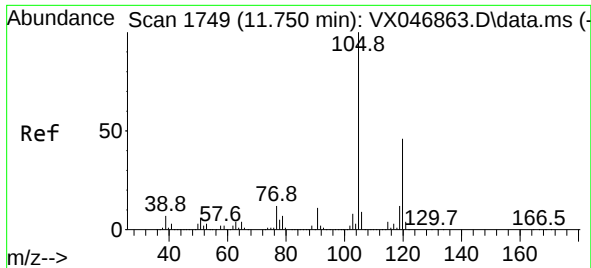
Tgt Ion: 91 Resp: 7026
Ion Ratio Lower Upper
91 100
120 23.9 11.2 33.5



#81
trans-1,4-Dichloro-2-butene
Concen: 87.920 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046947.D
Acq: 10 Jul 2025 16:08

Tgt Ion: 75 Resp: 199911
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.208 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046947.D
 Acq: 10 Jul 2025 16:08

Instrument :
 MSVOA_X
 ClientSampleId :
 PB168762TB

Tgt Ion:105 Resp: 4731
 Ion Ratio Lower Upper
 105 100
 120 43.8 23.3 69.8

