

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046550.D
 Acq On : 07 Jun 2025 02:43
 Operator : JC/MD
 Sample : PB168312TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB168312TB

Quant Time: Jun 07 04:28:54 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)

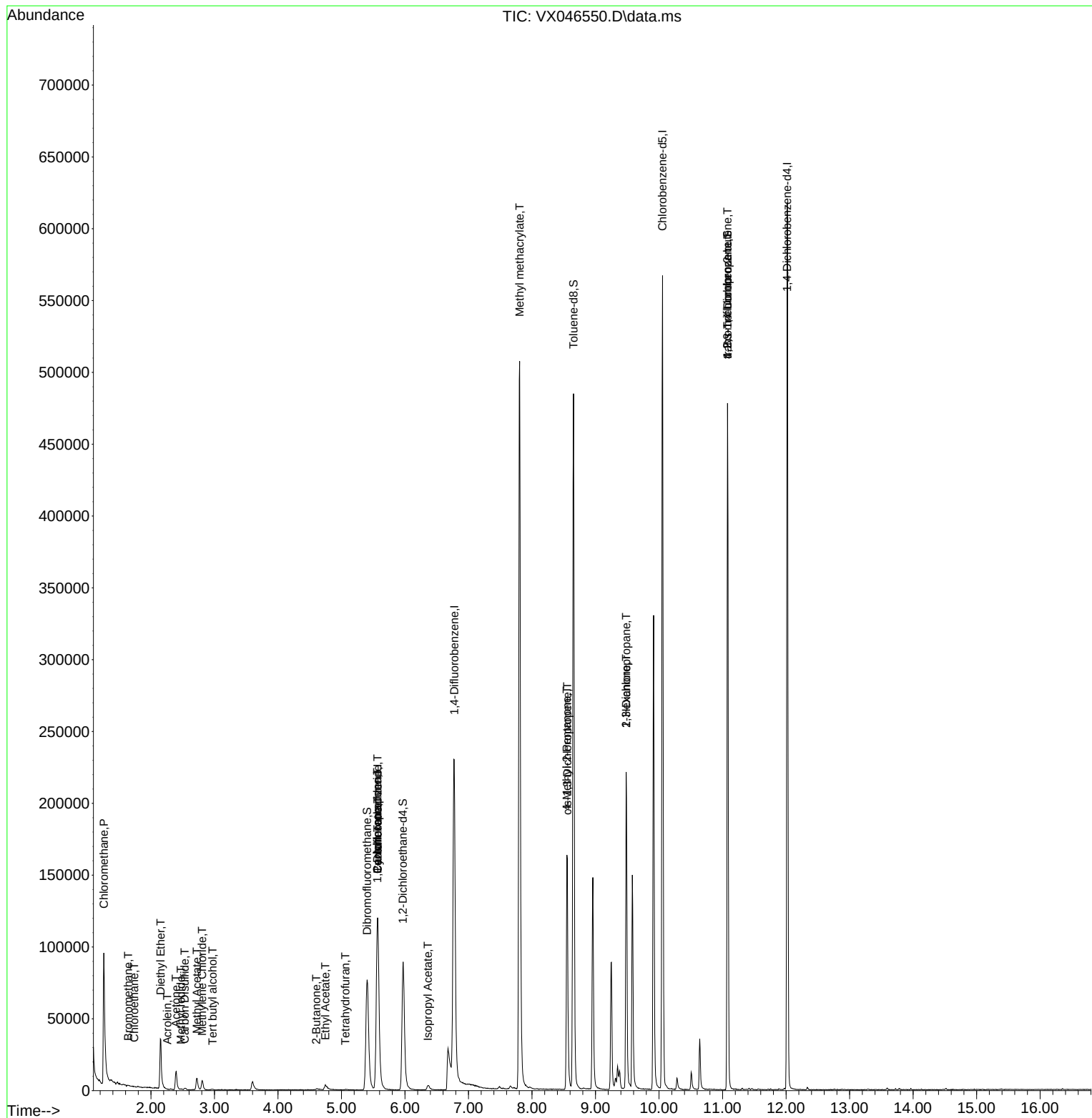
Internal Standards						
1) Pentafluorobenzene	5.568	168	111761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	220599	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	117179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95095	47.826	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.660%		
35) Dibromofluoromethane	5.403	113	72518	44.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.400%		
50) Toluene-d8	8.653	98	279791	52.313	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.620%		
62) 4-Bromofluorobenzene	11.079	95	127462	57.600	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	115.200%		
Target Compounds					Qvalue	
3) Chloromethane	1.258	50	2525	1.788	ug/l #	43
5) Bromomethane	1.642	94	205	0.240	ug/l #	70
6) Chloroethane	1.733	64	531	0.581	ug/l #	82
8) Diethyl Ether	2.154	74	14052	17.074	ug/l	91
10) Methyl Iodide	2.471	142	574	0.361	ug/l #	90
11) Tert butyl alcohol	2.971	59	182	0.825	ug/l #	72
13) Acrolein	2.258	56	51	30.174	ug/l #	81
16) Acetone	2.392	43	16669	25.551	ug/l	98
17) Carbon Disulfide	2.532	76	766	0.473	ug/l #	76
18) Methyl Acetate	2.721	43	12040	5.084	ug/l	99
20) Methylene Chloride	2.806	84	2989	1.874	ug/l	93
25) 2-Butanone	4.605	43	2421	2.187	ug/l	96
29) Tetrahydrofuran	5.062	42	303	0.433	ug/l #	41
31) Cyclohexane	5.568	56	2809	1.215	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10605	4.576	ug/l #	51
37) Ethyl Acetate	4.745	43	6509	2.878	ug/l	95
38) Carbon Tetrachloride	5.568	117	13184	5.080	ug/l #	18
43) Isopropyl Acetate	6.360	43	5591	1.418	ug/l	94
48) Methyl methacrylate	7.805	41	50179	24.735	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	63258	25.247	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	26254	10.111	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	1914	0.673	ug/l #	42
59) 2-Hexanone	9.482	43	29303	16.307	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	70888	28.561	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	70888	82.387	ug/l #	1

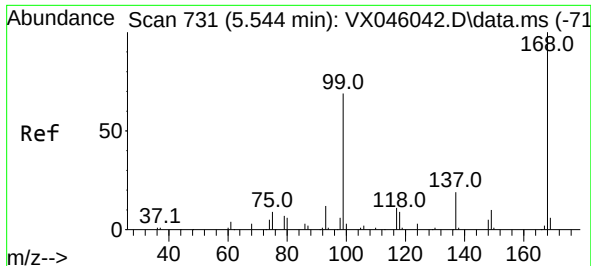
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 07 04:28:54 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

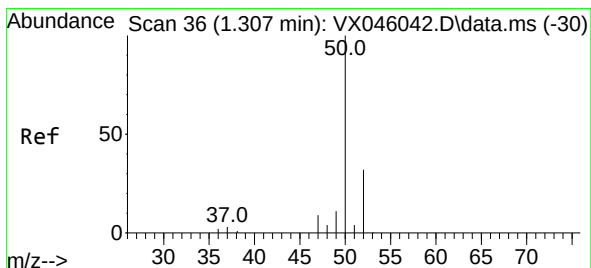
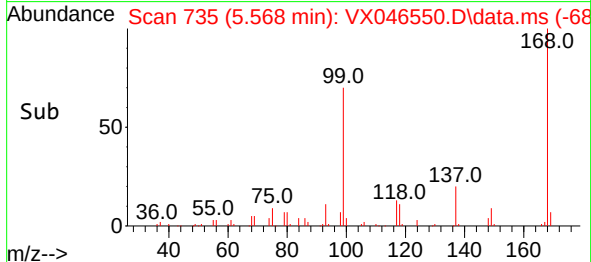
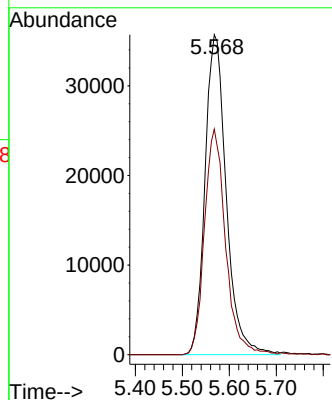
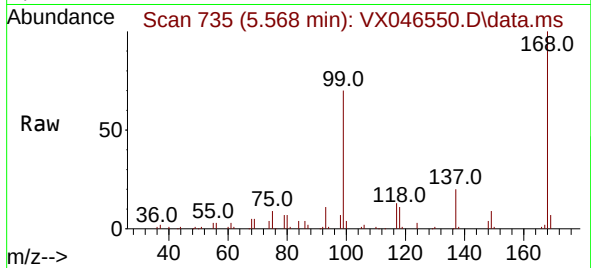




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

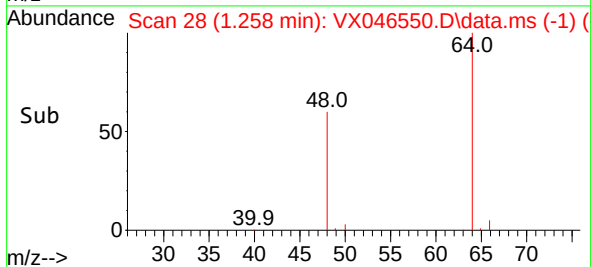
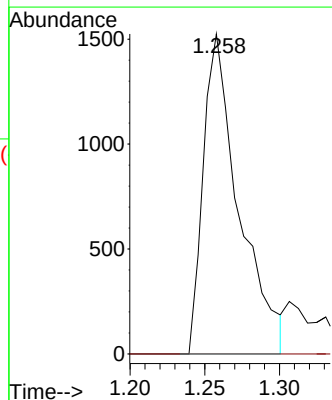
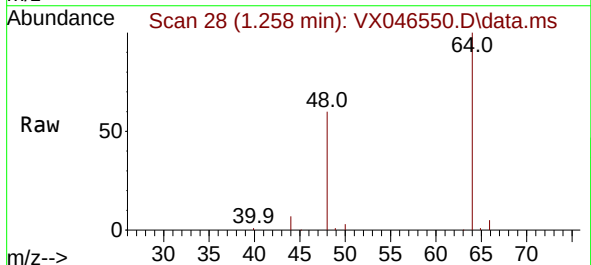
Instrument :
MSVOA_X
ClientSampleId :
PB168312TB

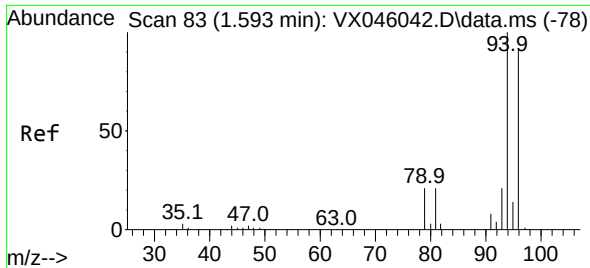
Tgt Ion:168 Resp: 111761
Ion Ratio Lower Upper
168 100
99 70.5 54.9 82.3



#3
Chloromethane
Concen: 1.788 ug/l
RT: 1.258 min Scan# 28
Delta R.T. -0.049 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

Tgt Ion: 50 Resp: 2525
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

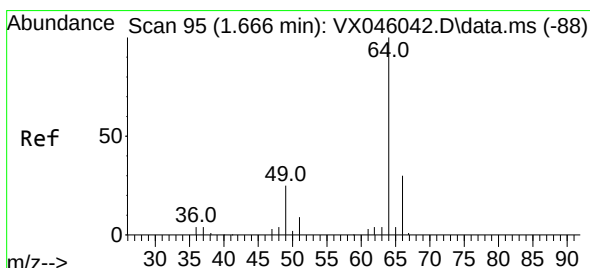
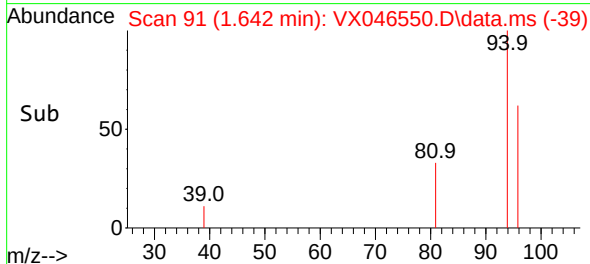
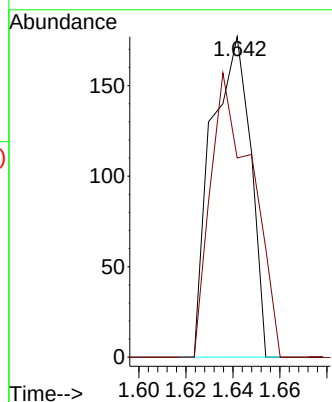
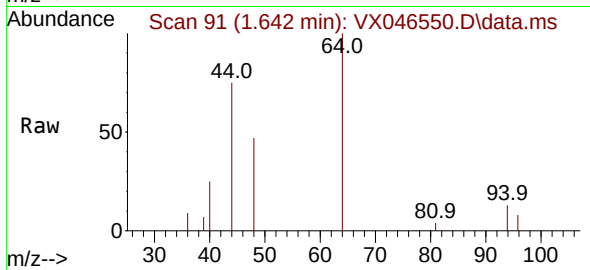




#5
Bromomethane
Concen: 0.240 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

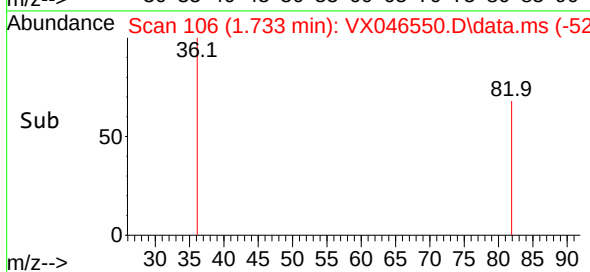
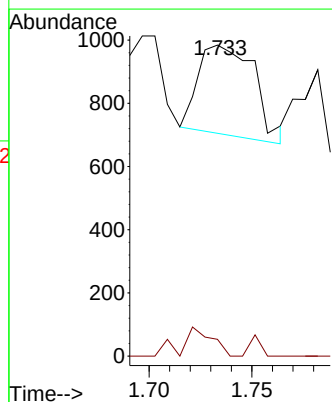
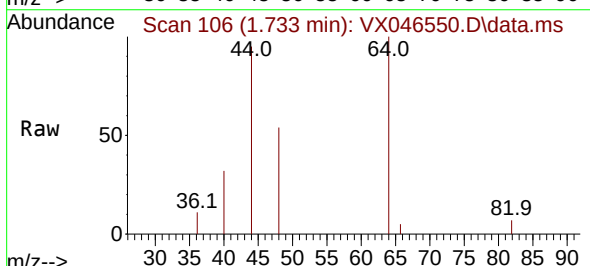
Instrument :
MSVOA_X
ClientSampleId :
PB168312TB

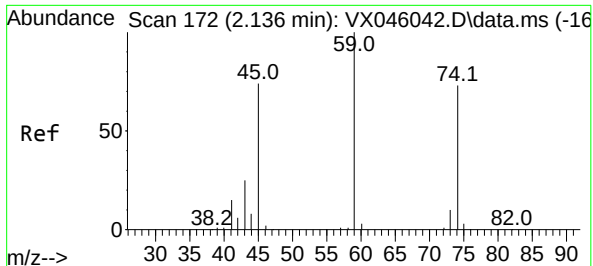
Tgt Ion: 94 Resp: 205
Ion Ratio Lower Upper
94 100
96 62.1 72.8 109.2#



#6
Chloroethane
Concen: 0.581 ug/l
RT: 1.733 min Scan# 106
Delta R.T. 0.030 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

Tgt Ion: 64 Resp: 531
Ion Ratio Lower Upper
64 100
66 20.5 24.3 36.5#

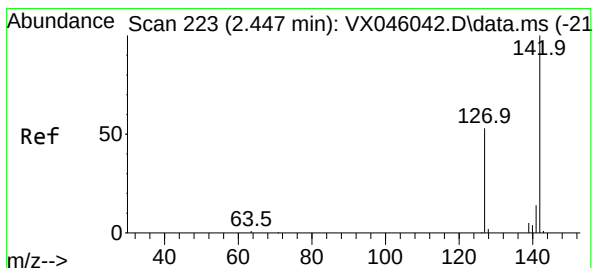
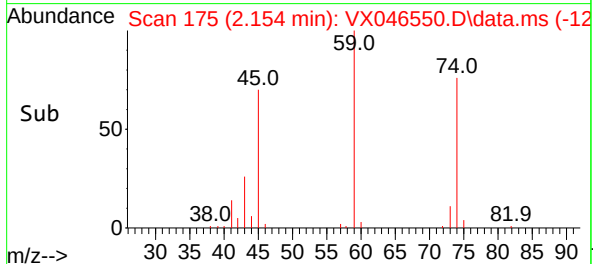
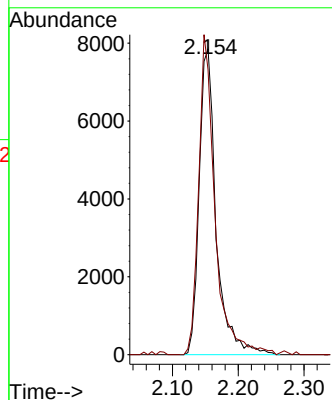
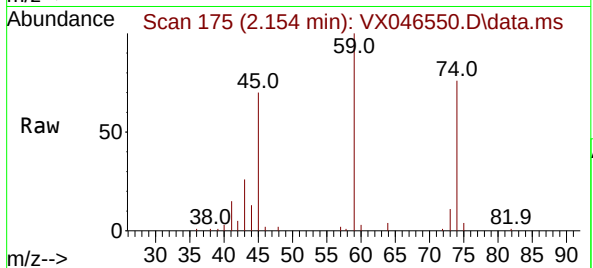




#8
Diethyl Ether
Concen: 17.074 ug/l
RT: 2.154 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

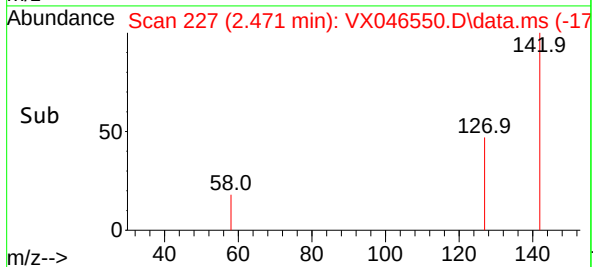
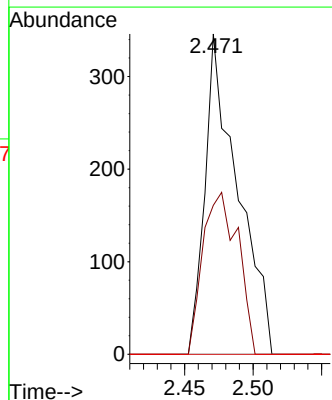
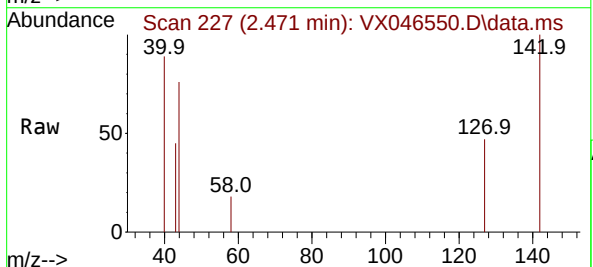
Instrument :
MSVOA_X
ClientSampleId :
PB168312TB

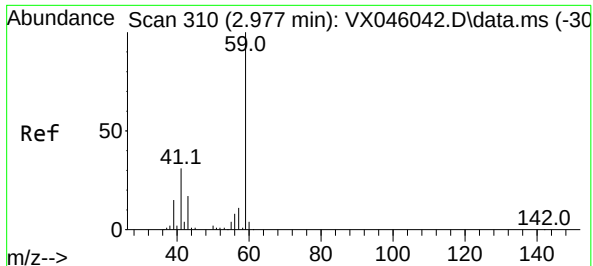
Tgt Ion: 74 Resp: 14052
Ion Ratio Lower Upper
74 100
45 100.9 54.9 164.8



#10
Methyl Iodide
Concen: 0.361 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

Tgt Ion: 142 Resp: 574
Ion Ratio Lower Upper
142 100
127 54.2 41.7 62.5
141 0.0 11.5 17.3#





#11

Tert butyl alcohol

Concen: 0.825 ug/l

RT: 2.971 min Scan# 30

Delta R.T. -0.000 min

Lab File: VX046550.D

Acq: 07 Jun 2025 02:43

Instrument :

MSVOA_X

ClientSampleId :

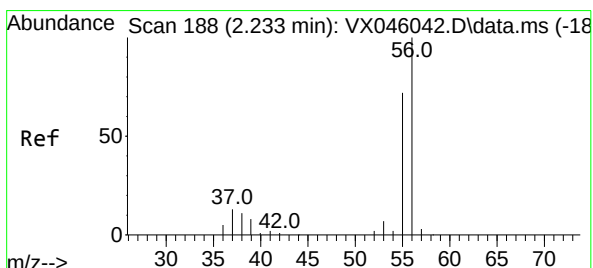
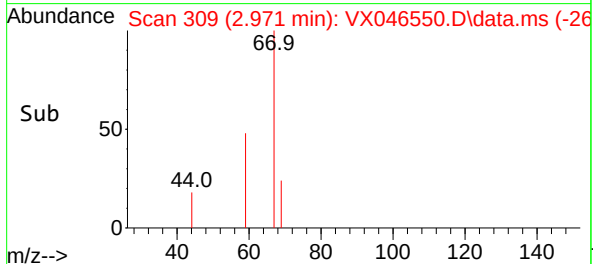
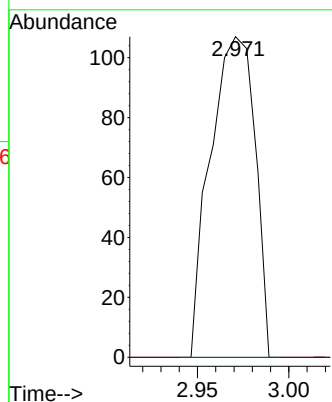
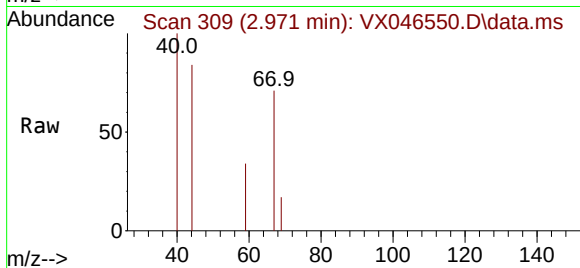
PB168312TB

Tgt Ion: 59 Resp: 182

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 30.174 ug/l

RT: 2.258 min Scan# 192

Delta R.T. 0.007 min

Lab File: VX046550.D

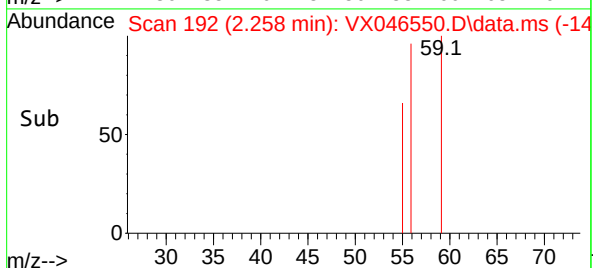
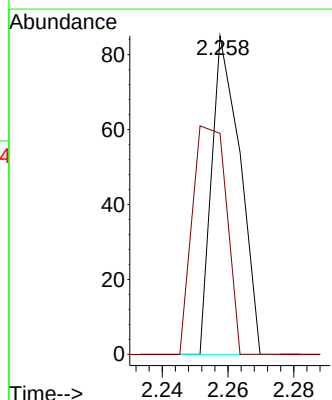
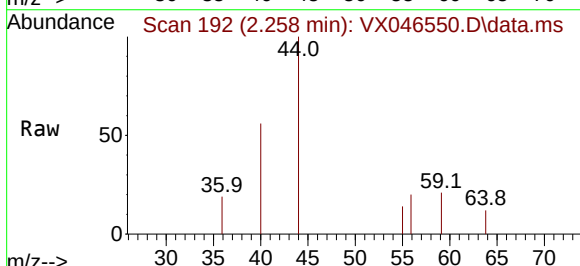
Acq: 07 Jun 2025 02:43

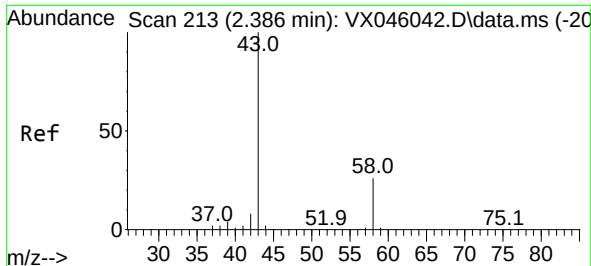
Tgt Ion: 56 Resp: 51

Ion Ratio Lower Upper

56 100

55 86.3 56.2 84.4#

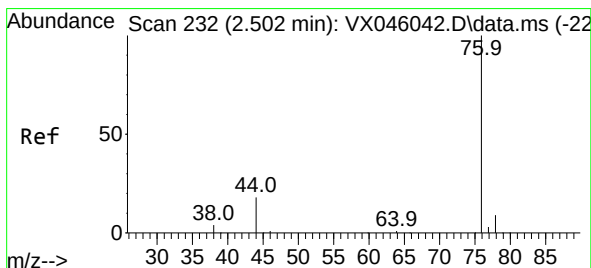
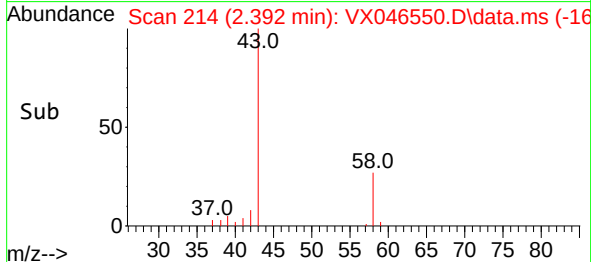
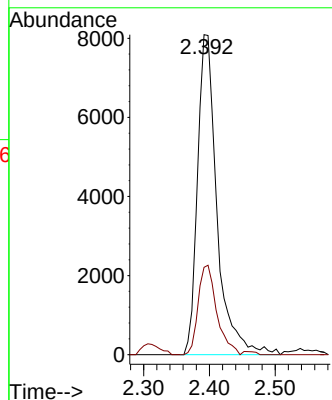
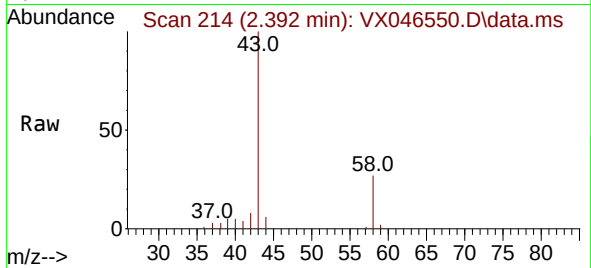




#16
Acetone
Concen: 25.551 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

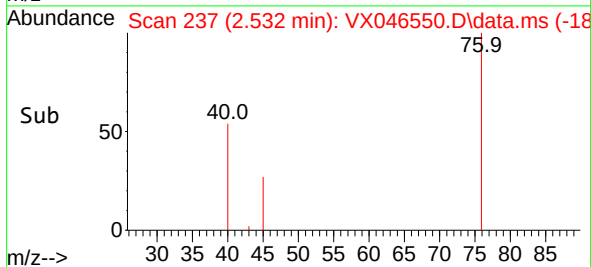
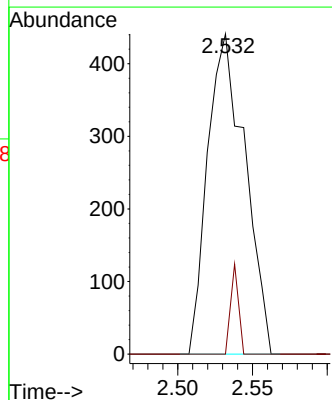
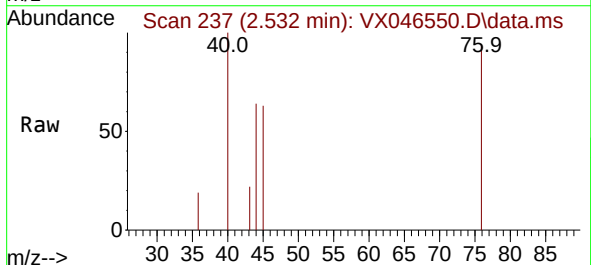
Instrument :
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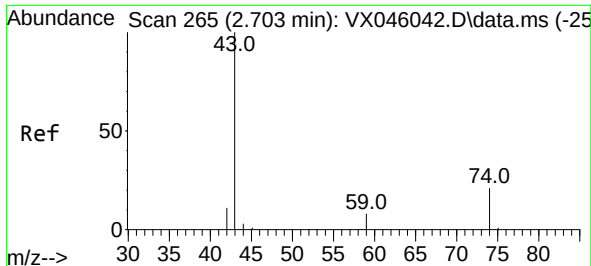
Tgt Ion: 43 Resp: 16669
Ion Ratio Lower Upper
43 100
58 27.3 21.2 31.8



#17
Carbon Disulfide
Concen: 0.473 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

Tgt Ion: 76 Resp: 766
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

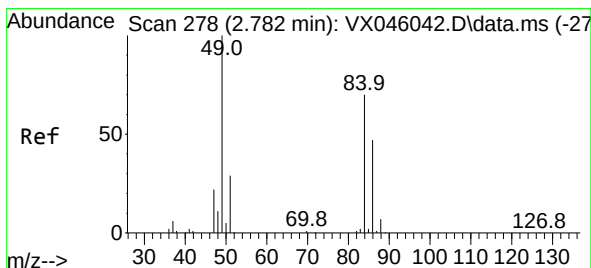
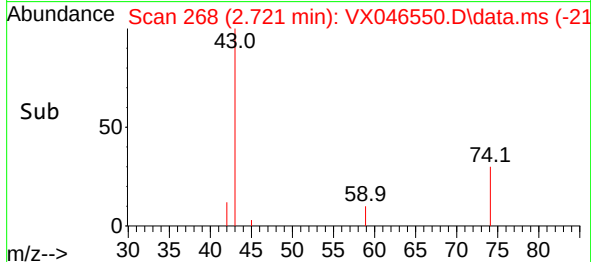
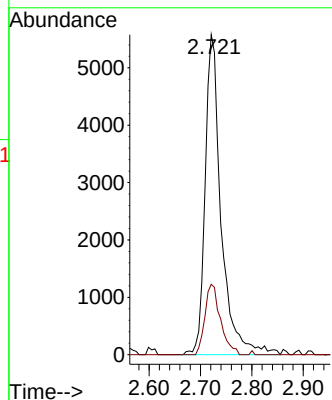
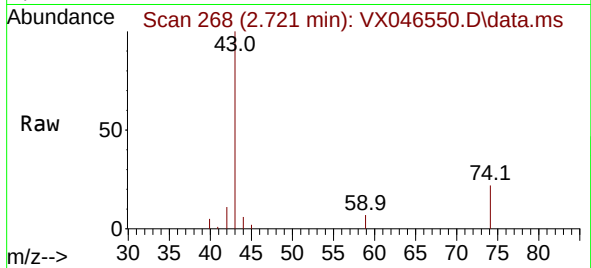




#18
Methyl Acetate
Concen: 5.084 ug/l
RT: 2.721 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

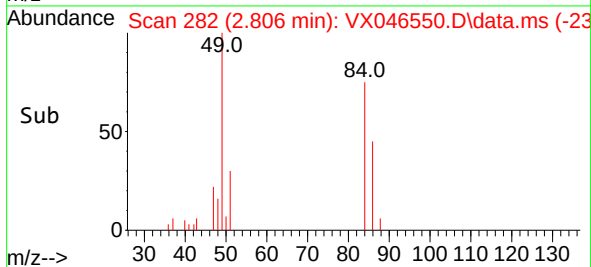
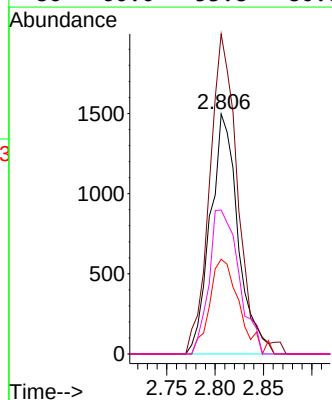
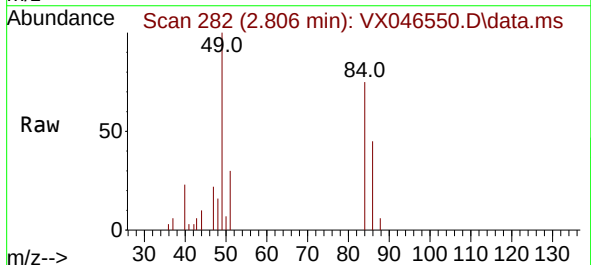
Instrument :
MSVOA_X
ClientSampleId :
PB168312TB

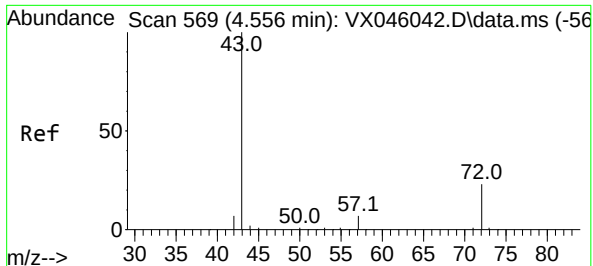
Tgt Ion: 43 Resp: 12040
Ion Ratio Lower Upper
43 100
74 21.4 16.7 25.1



#20
Methylene Chloride
Concen: 1.874 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

Tgt Ion: 84 Resp: 2989
Ion Ratio Lower Upper
84 100
49 133.3 113.9 170.9
51 39.5 33.5 50.3
86 60.0 53.8 80.8





#25

2-Butanone

Concen: 2.187 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX046550.D

Acq: 07 Jun 2025 02:43

Instrument :

MSVOA_X

ClientSampleId :

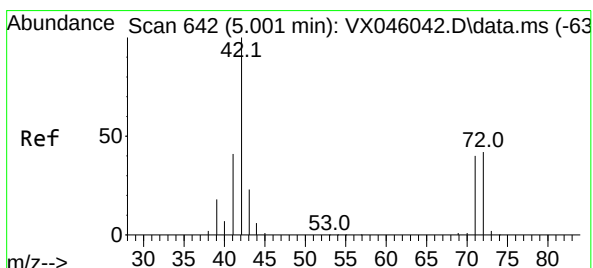
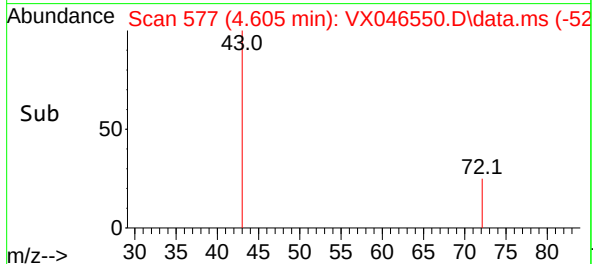
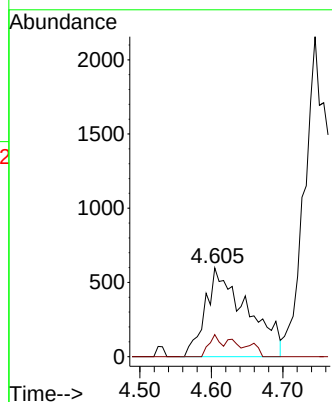
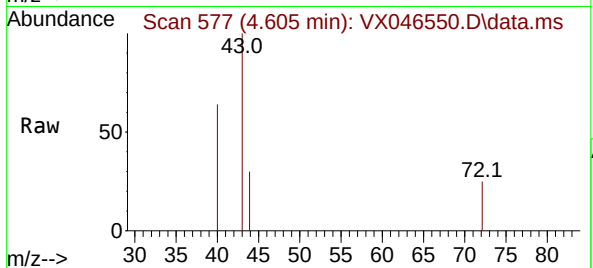
PB168312TB

Tgt Ion: 43 Resp: 2421

Ion Ratio Lower Upper

43 100

72 24.7 18.4 27.6



#29

Tetrahydrofuran

Concen: 0.433 ug/l

RT: 5.062 min Scan# 652

Delta R.T. 0.043 min

Lab File: VX046550.D

Acq: 07 Jun 2025 02:43

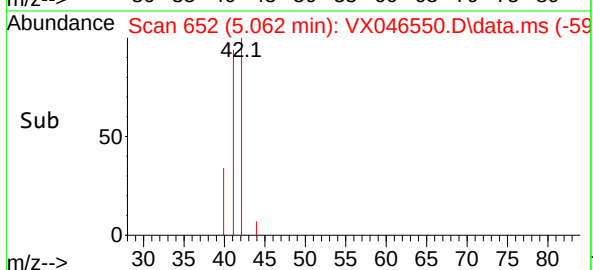
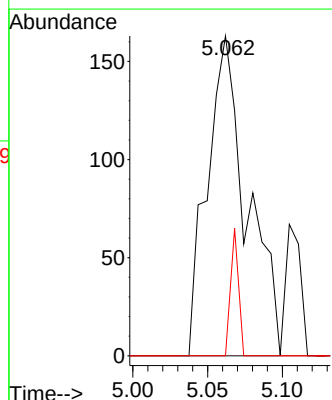
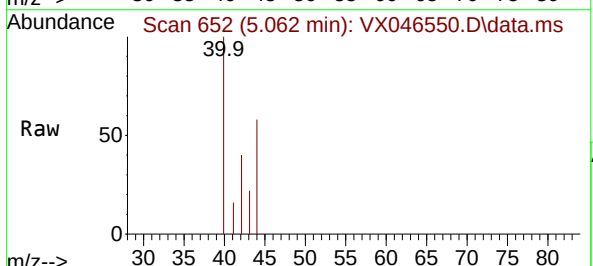
Tgt Ion: 42 Resp: 303

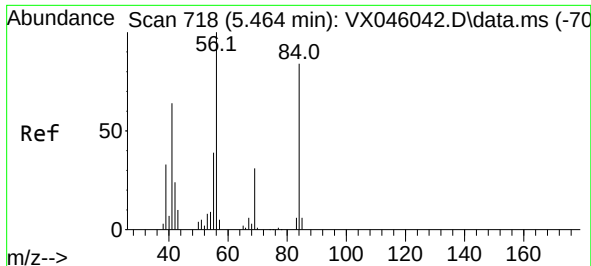
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

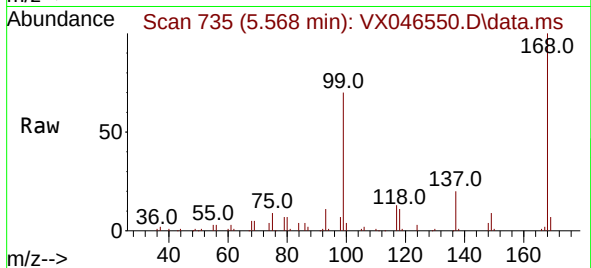
71 7.9 31.4 47.2#



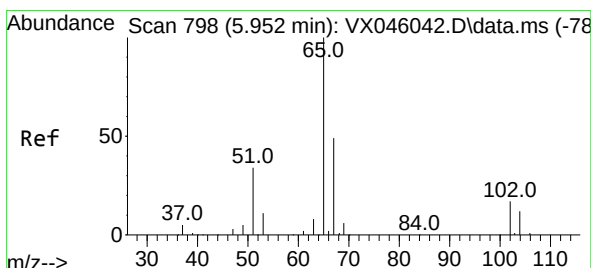
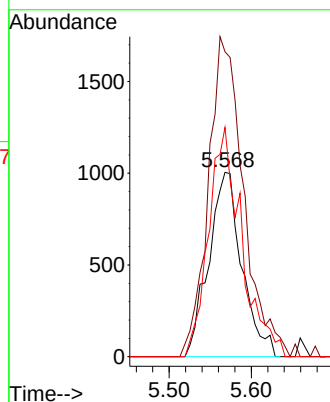
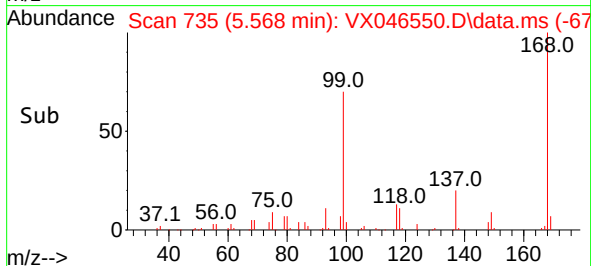


#31
Cyclohexane
Concen: 1.215 ug/l
RT: 5.568 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

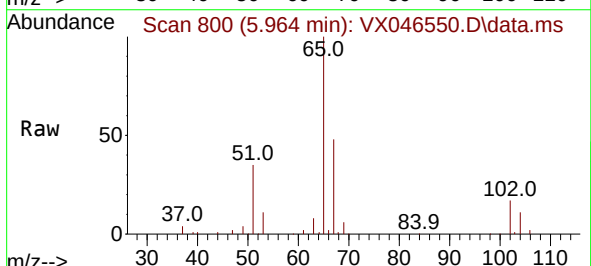
Instrument :
MSVOA_X
ClientSampleId :
PB168312TB



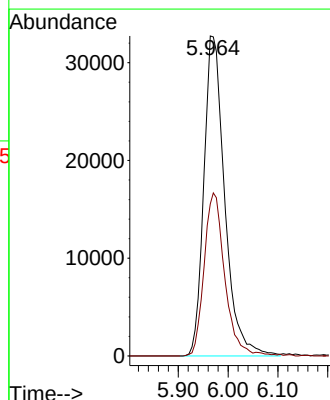
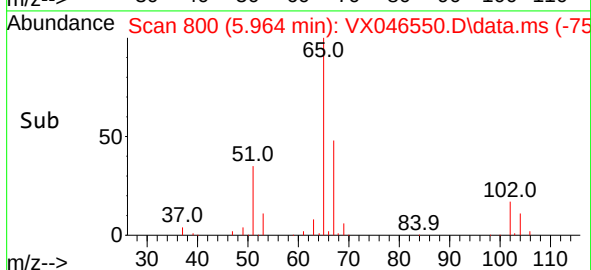
Tgt Ion: 56 Resp: 2809
Ion Ratio Lower Upper
56 100
69 165.4 24.4 36.6#
84 124.4 66.9 100.3#

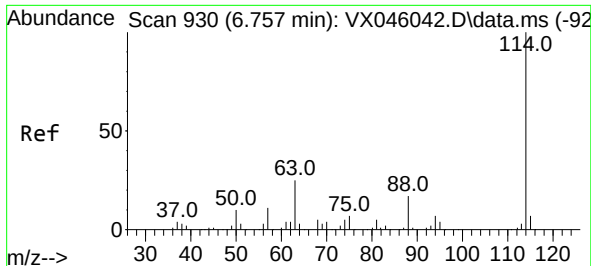


#33
1,2-Dichloroethane-d4
Concen: 47.826 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43



Tgt Ion: 65 Resp: 95095
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.0

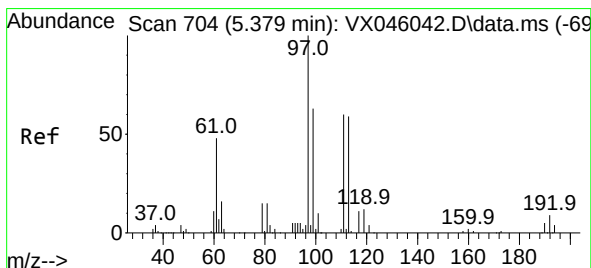
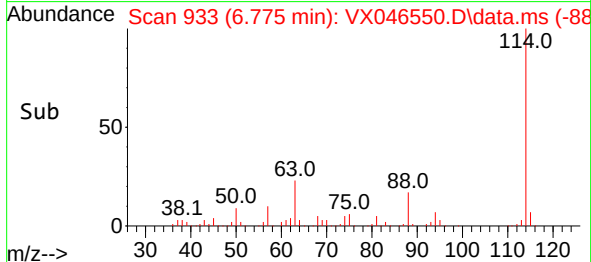
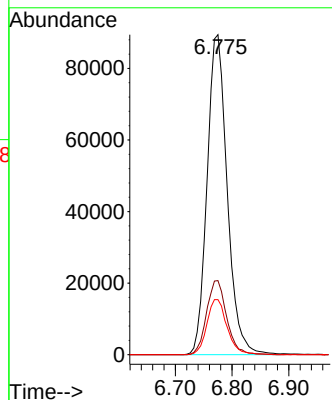
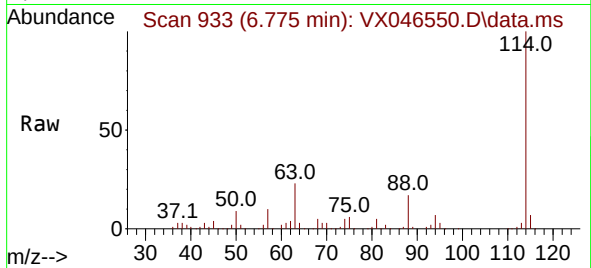




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

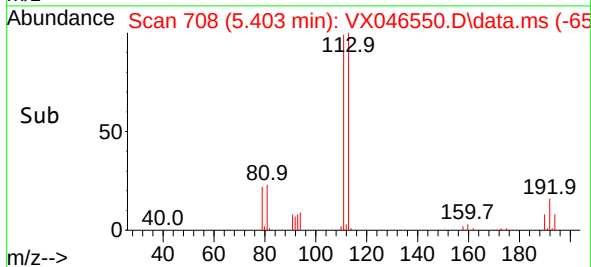
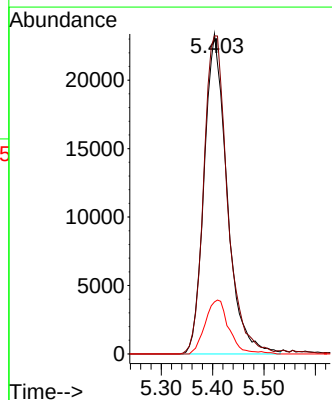
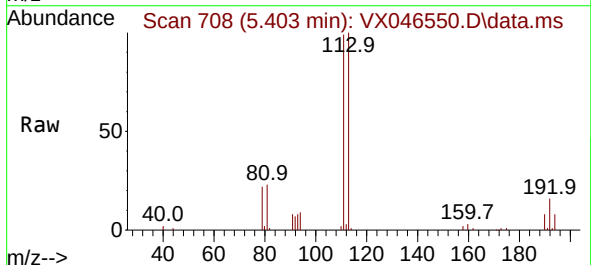
Instrument :
MSVOA_X
ClientSampleId :
PB168312TB

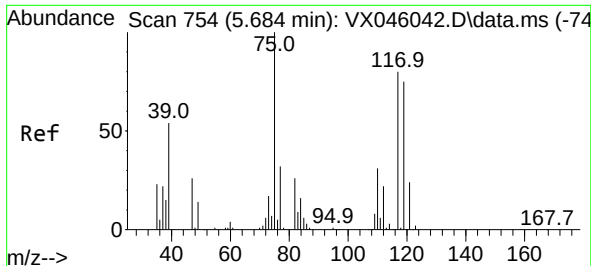
Tgt Ion:114 Resp: 220599
Ion Ratio Lower Upper
114 100
63 23.1 0.0 49.2
88 17.2 0.0 33.6



#35
Dibromofluoromethane
Concen: 44.701 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

Tgt Ion:113 Resp: 72518
Ion Ratio Lower Upper
113 100
111 102.8 83.1 124.7
192 17.5 13.3 19.9

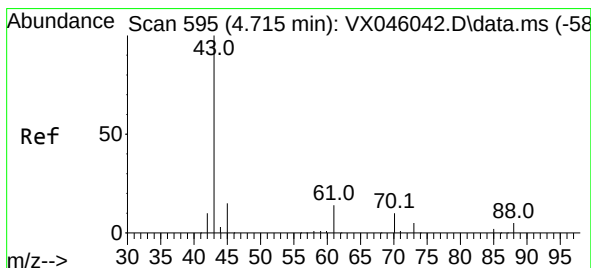
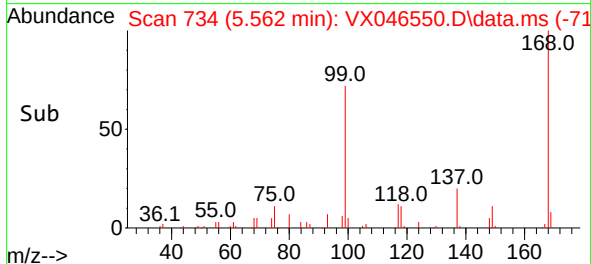
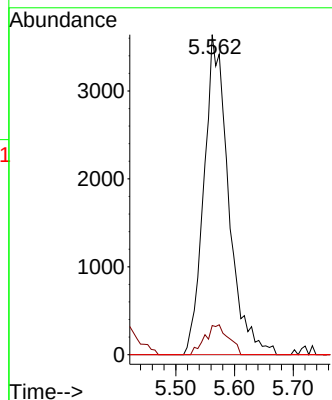
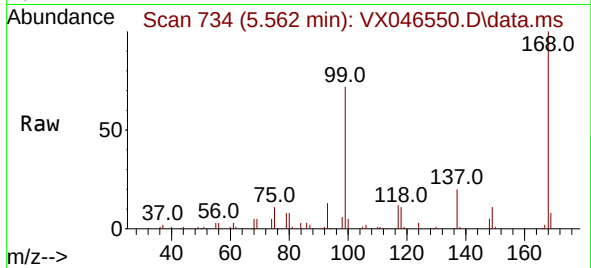




#36
1,1-Dichloropropene
Concen: 4.576 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

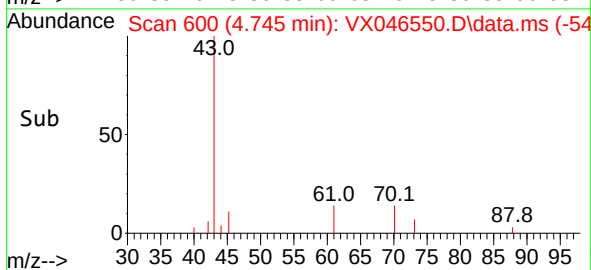
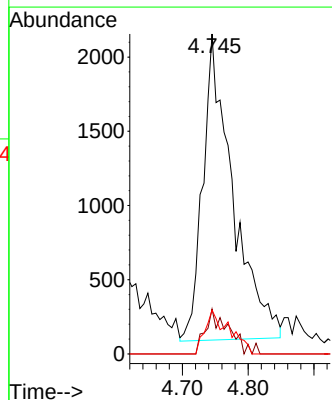
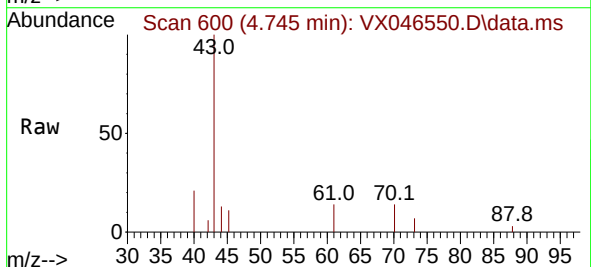
Instrument :
MSVOA_X
ClientSampleId :
PB168312TB

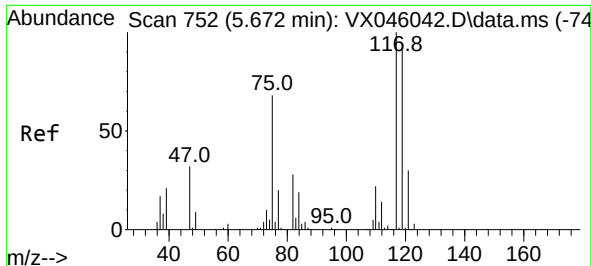
Tgt Ion: 75 Resp: 10605
Ion Ratio Lower Upper
75 100
110 8.9 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.878 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

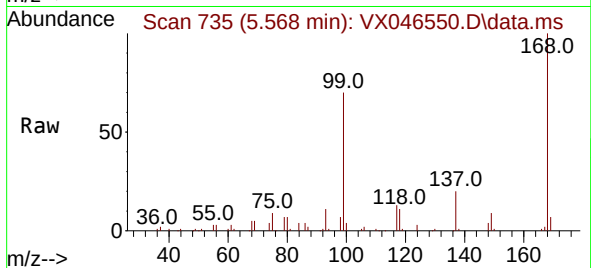
Tgt Ion: 43 Resp: 6509
Ion Ratio Lower Upper
43 100
61 11.2 10.3 15.5
70 11.6 7.9 11.9



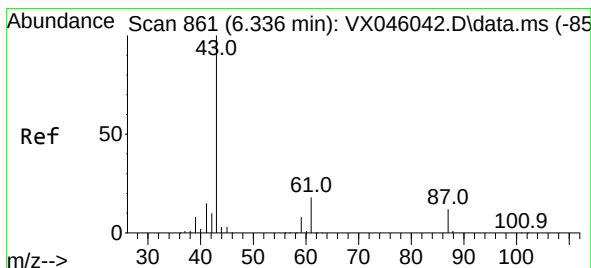
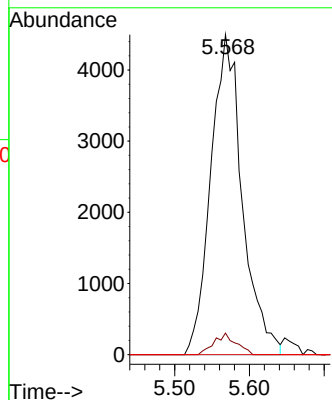
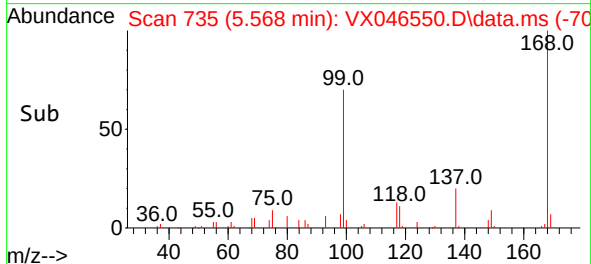


#38
Carbon Tetrachloride
Concen: 5.080 ug/l
RT: 5.568 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

Instrument :
MSVOA_X
ClientSampleId :
PB168312TB

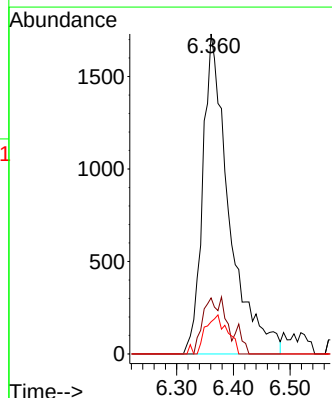
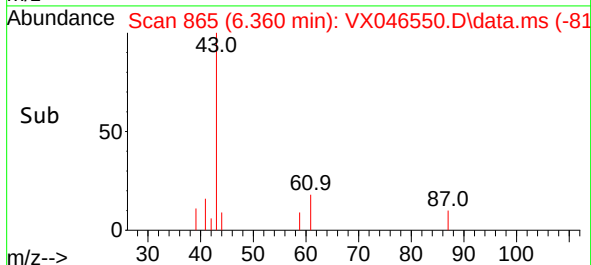
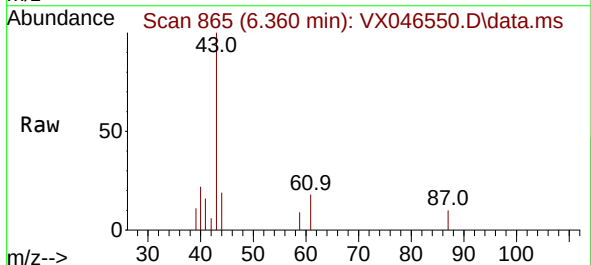


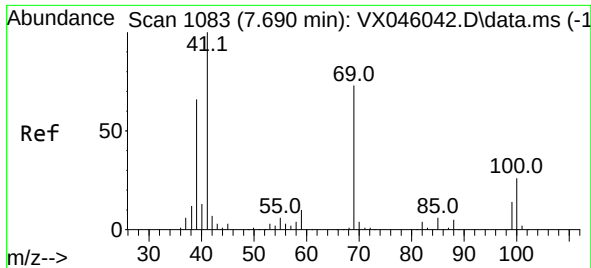
Tgt Ion:117 Resp: 13184
Ion Ratio Lower Upper
117 100
119 6.7 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 1.418 ug/l
RT: 6.360 min Scan# 865
Delta R.T. 0.006 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

Tgt Ion: 43 Resp: 5591
Ion Ratio Lower Upper
43 100
61 14.7 14.3 21.5
87 9.9 9.5 14.3

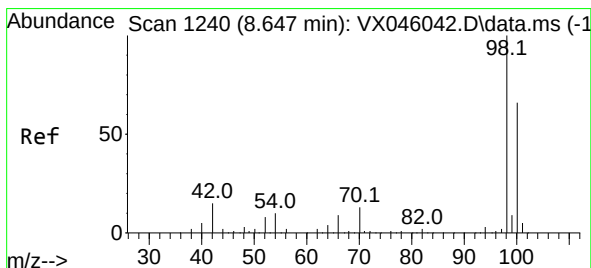
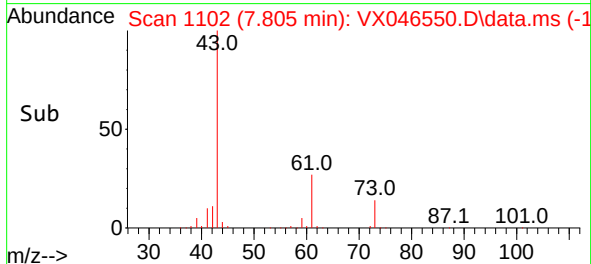
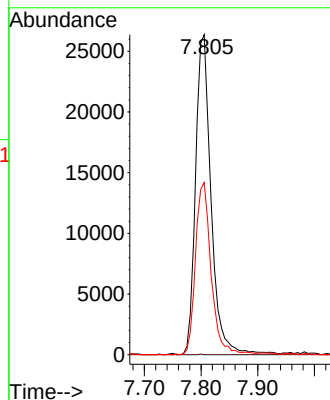
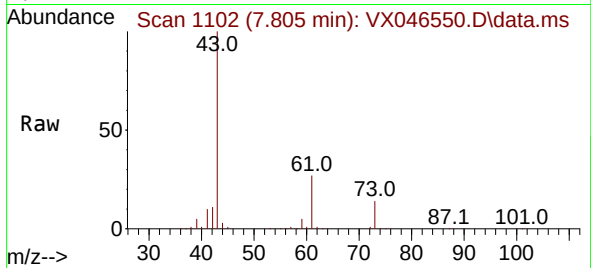




#48
Methyl methacrylate
Concen: 24.735 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

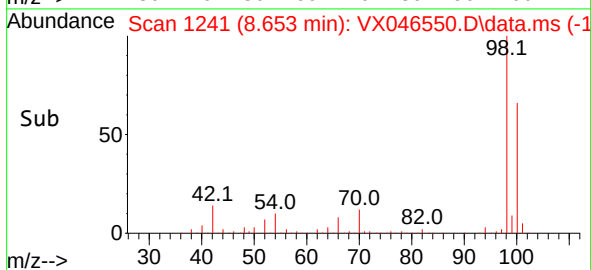
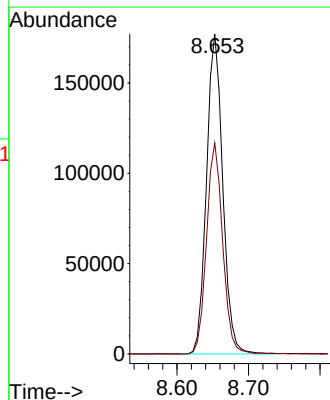
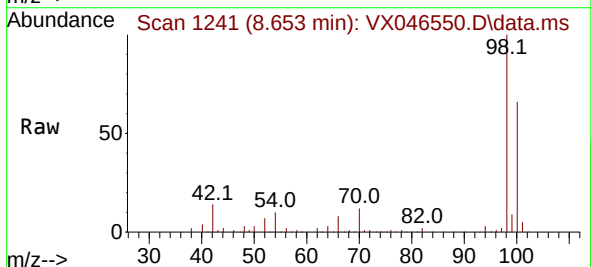
Instrument :
MSVOA_X
ClientSampleId :
PB168312TB

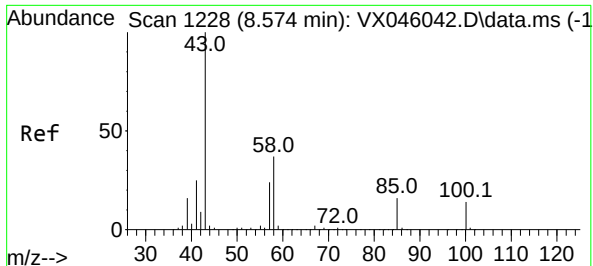
Tgt Ion: 41 Resp: 50179
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 54.2 51.7 77.5



#50
Toluene-d8
Concen: 52.313 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

Tgt Ion: 98 Resp: 279791
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3

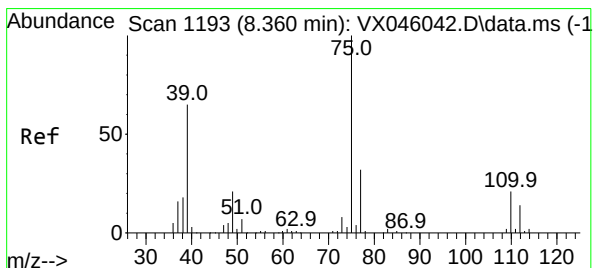
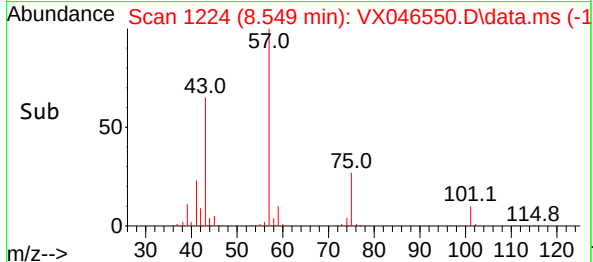
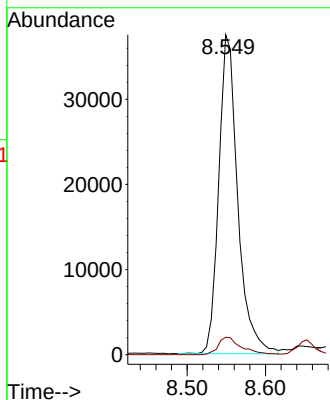
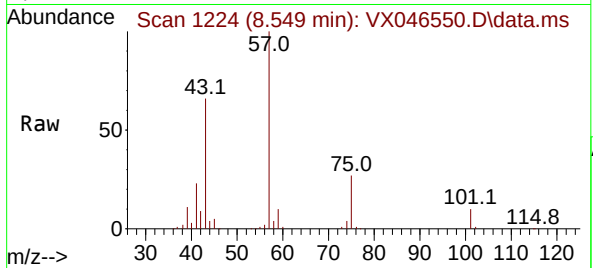




#51
4-Methyl-2-Pentanone
Concen: 25.247 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

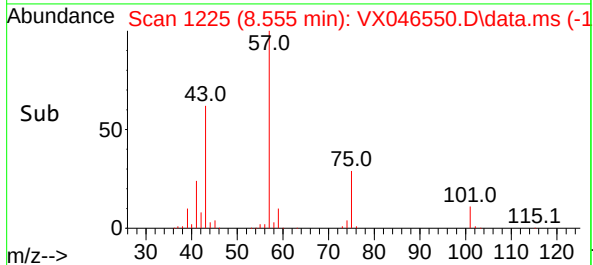
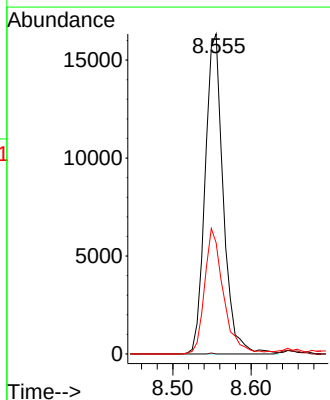
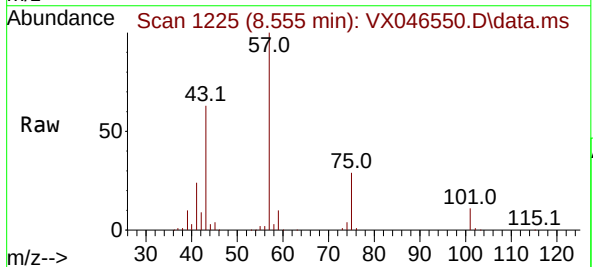
Instrument :
MSVOA_X
ClientSampleId :
PB168312TB

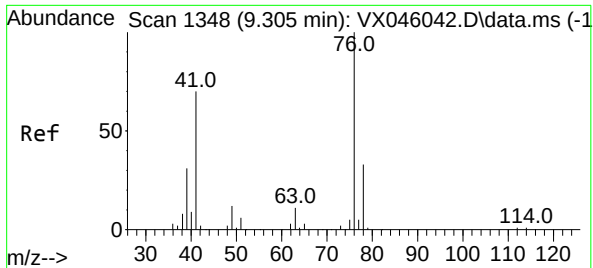
Tgt Ion: 43 Resp: 63258
Ion Ratio Lower Upper
43 100
58 6.7 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 10.111 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

Tgt Ion: 75 Resp: 26254
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 34.8 52.2 78.4#

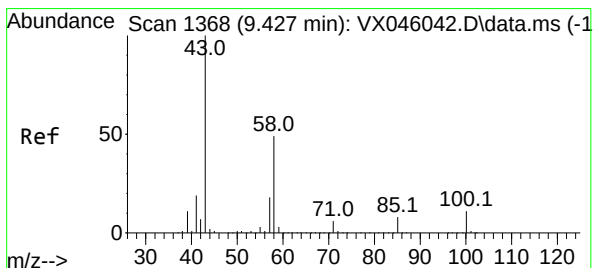
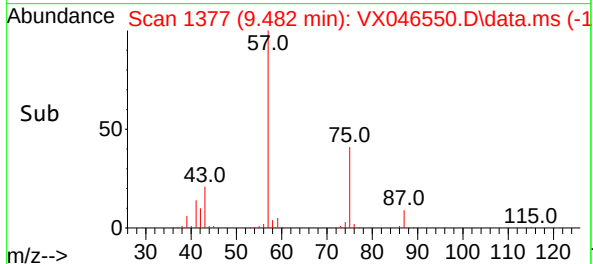
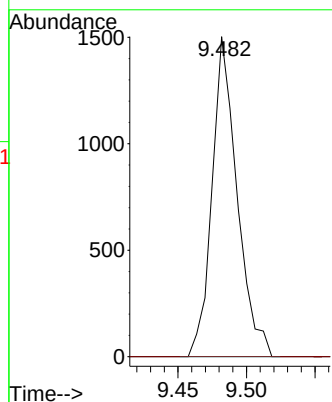
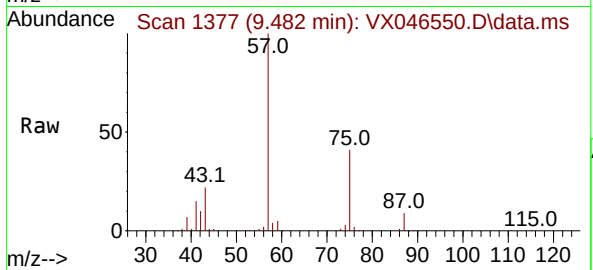




#57
1,3-Dichloropropane
Concen: 0.673 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

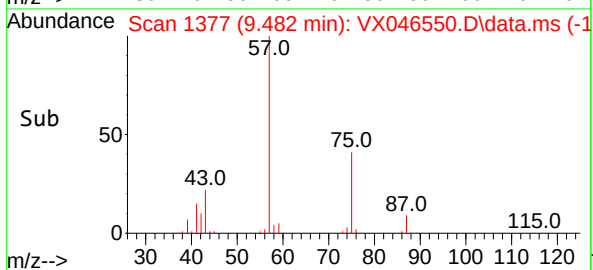
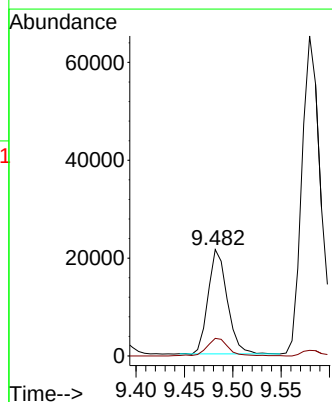
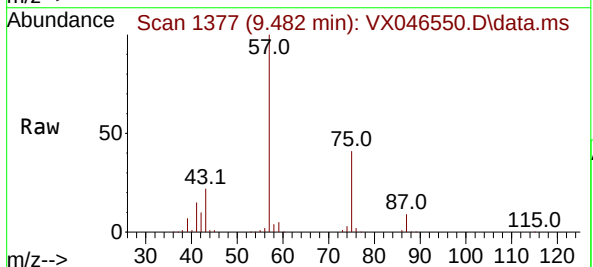
Instrument :
MSVOA_X
ClientSampleId :
PB168312TB

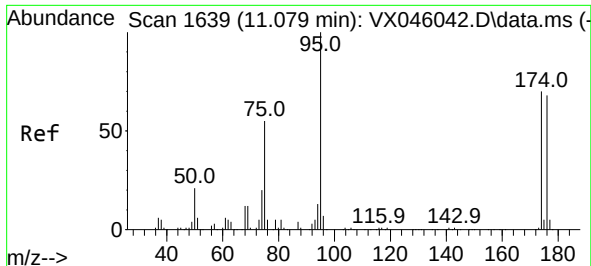
Tgt Ion: 76 Resp: 1914
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 16.307 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

Tgt Ion: 43 Resp: 29303
Ion Ratio Lower Upper
43 100
58 19.3 24.9 74.6#

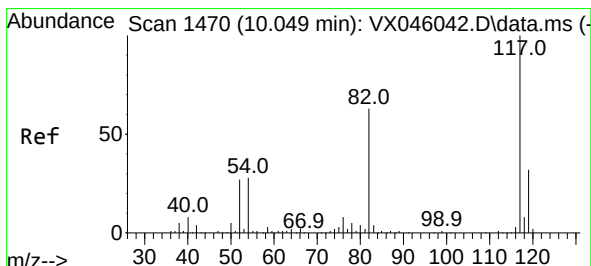
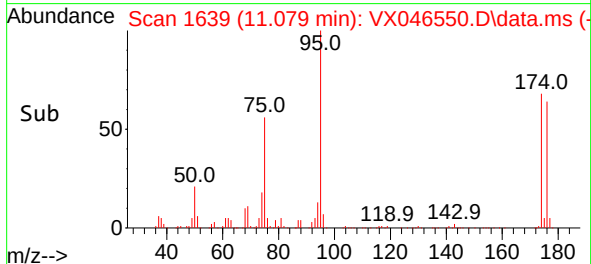
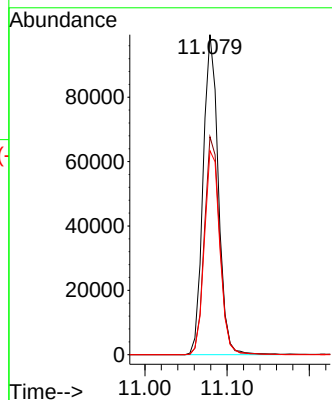
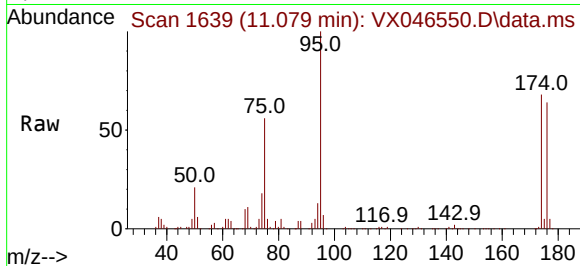




#62
4-Bromofluorobenzene
Concen: 57.600 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

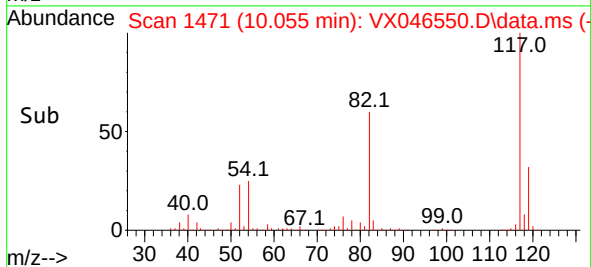
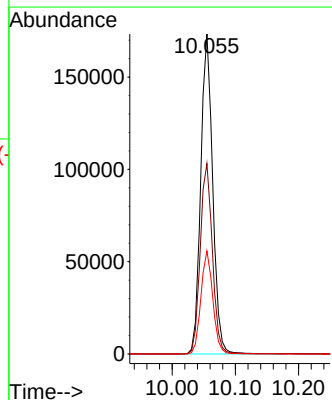
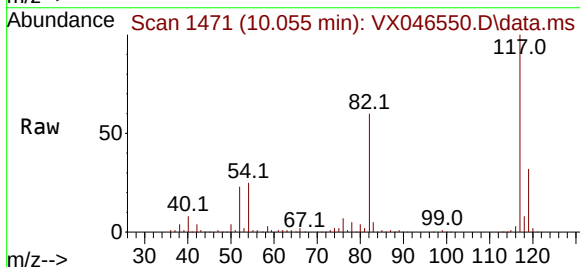
Instrument :
MSVOA_X
ClientSampleId :
PB168312TB

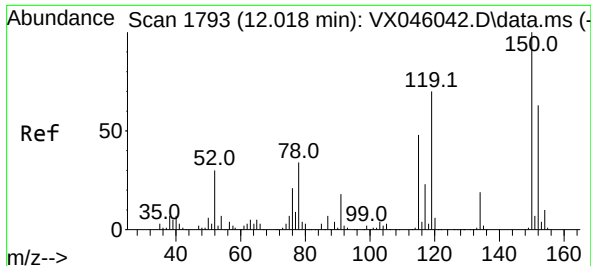
Tgt Ion: 95 Resp: 127462
Ion Ratio Lower Upper
95 100
174 69.0 0.0 135.8
176 65.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046550.D
Acq: 07 Jun 2025 02:43

Tgt Ion: 117 Resp: 228258
Ion Ratio Lower Upper
117 100
82 59.5 50.6 76.0
119 32.2 25.8 38.6

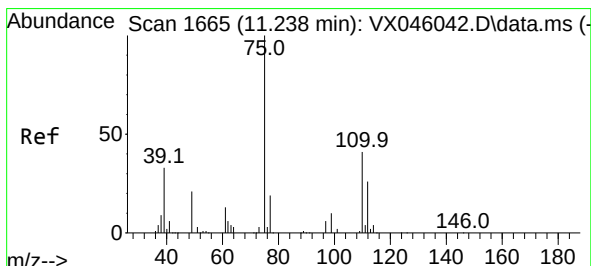
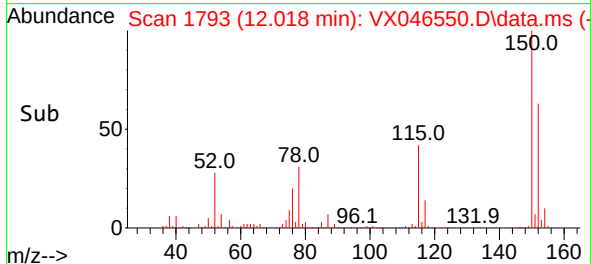
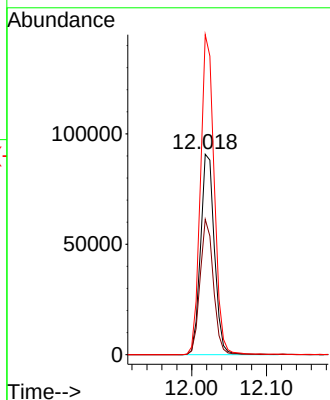
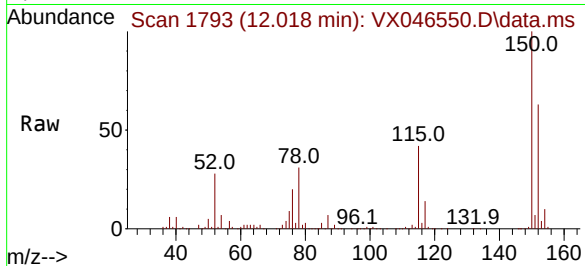




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX046550.D
 Acq: 07 Jun 2025 02:43

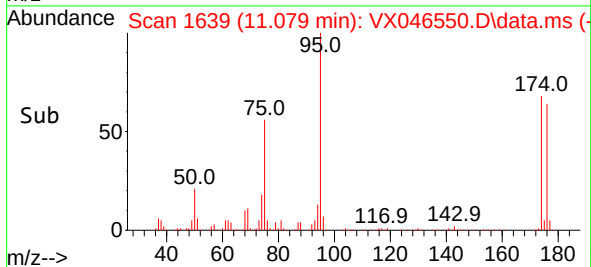
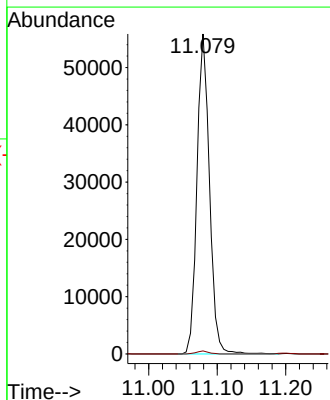
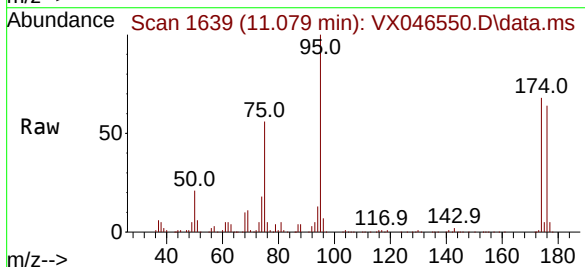
Instrument :
 MSVOA_X
 ClientSampleId :
 PB168312TB

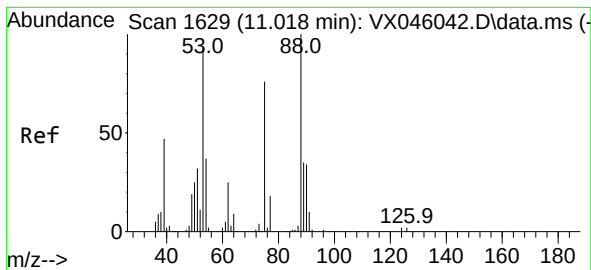
Tgt Ion:152 Resp: 117179
 Ion Ratio Lower Upper
 152 100
 115 64.9 46.9 140.7
 150 158.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.561 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046550.D
 Acq: 07 Jun 2025 02:43

Tgt Ion: 75 Resp: 70888
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.387 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046550.D
 Acq: 07 Jun 2025 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 PB168312TB

Tgt Ion: 75 Resp: 70888
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

