

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042225\
 Data File : VX045879.D
 Acq On : 22 Apr 2025 12:58
 Operator : JC/MD
 Sample : PB167661TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167661TB

Quant Time: Apr 23 01:33:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

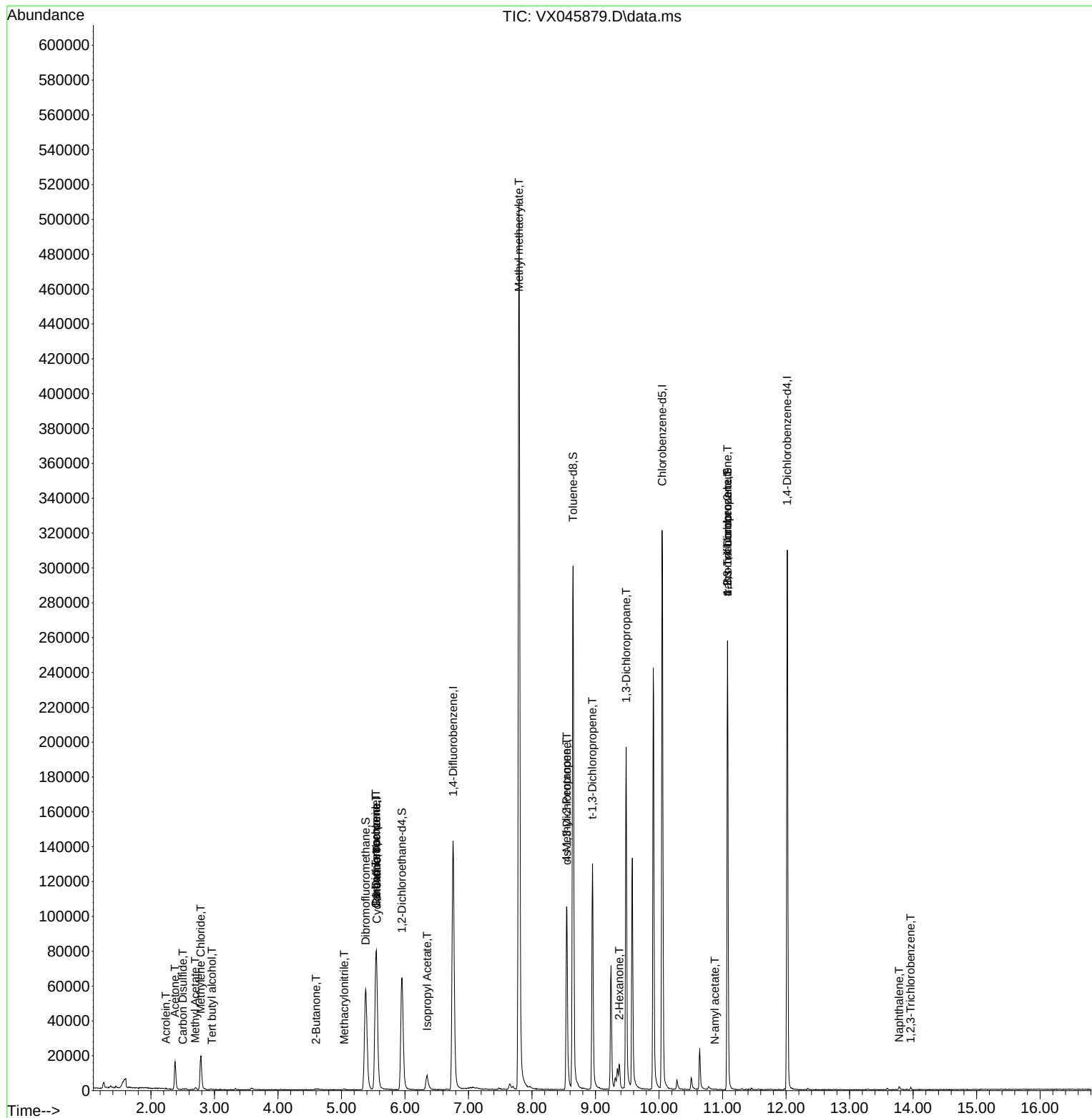
Internal Standards						
1) Pentafluorobenzene	5.550	168	70592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138896	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67987	52.665	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.320%	
35) Dibromofluoromethane	5.379	113	49635	50.367	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.740%	
50) Toluene-d8	8.647	98	175504	51.023	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.040%	
62) 4-Bromofluorobenzene	11.079	95	66602	53.158	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	272	1.568	ug/l #	72
13) Acrolein	2.233	56	134	0.561	ug/l #	73
16) Acetone	2.380	43	17092	32.243	ug/l	99
17) Carbon Disulfide	2.502	76	627	0.300	ug/l #	76
18) Methyl Acetate	2.697	43	1508	1.236	ug/l	98
20) Methylene Chloride	2.782	84	8477	8.542	ug/l	93
25) 2-Butanone	4.599	43	1044	1.345	ug/l	93
31) Cyclohexane	5.556	56	2094	1.322	ug/l #	44
36) 1,1-Dichloropropene	5.544	75	7037	5.289	ug/l #	51
38) Carbon Tetrachloride	5.544	117	8076	5.616	ug/l #	15
41) Methacrylonitrile	5.044	41	213	0.241	ug/l #	33
43) Isopropyl Acetate	6.348	43	12306	4.842	ug/l	98
48) Methyl methacrylate	7.793	41	50358	38.377	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	41109	24.401	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	238	2.441	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	16147	11.054	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1624	0.952	ug/l #	42
59) 2-Hexanone	9.372	43	13346	10.697	ug/l #	28
74) N-amyl acetate	10.878	43	500	0.228	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	38523	27.615	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38523	93.722	ug/l #	1
95) Naphthalene	13.780	128	1824	0.460	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	394	0.353	ug/l	92

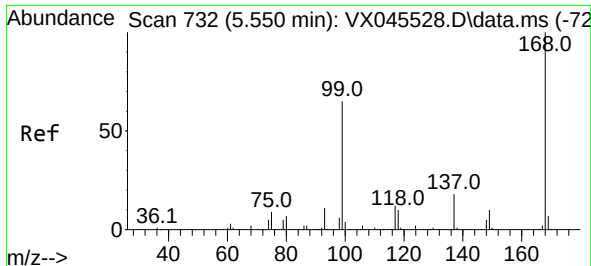
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX045879.D
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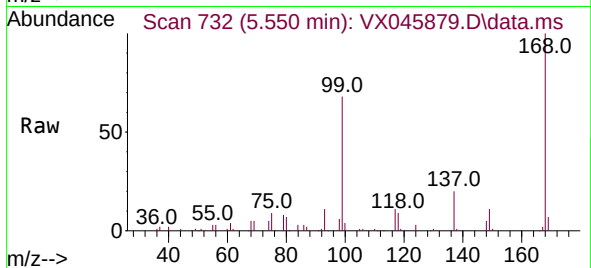
Quant Time: Apr 23 01:33:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
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QLast Update : Wed Apr 02 03:11:43 2025
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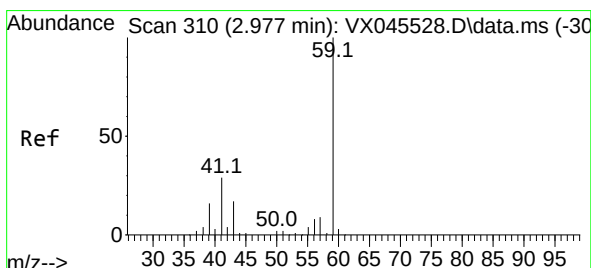
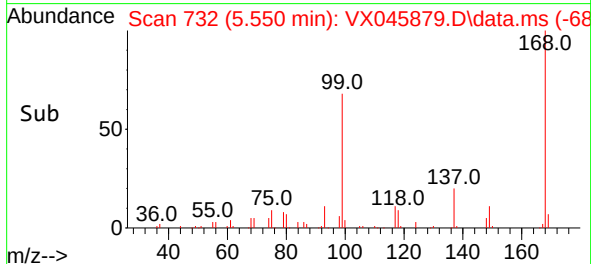
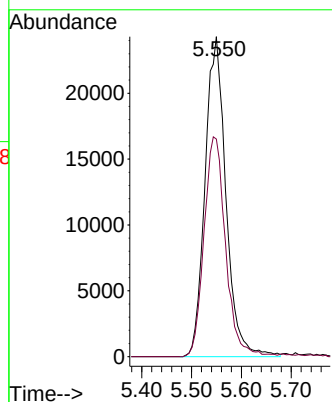


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Instrument :
MSVOA_X
ClientSampleId :
PB167661TB

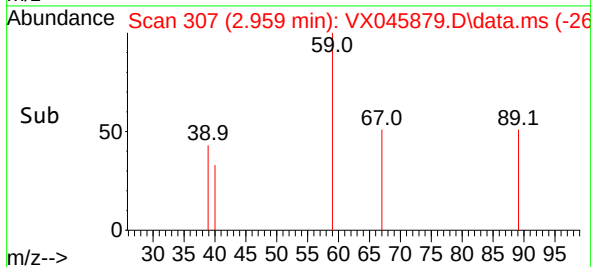
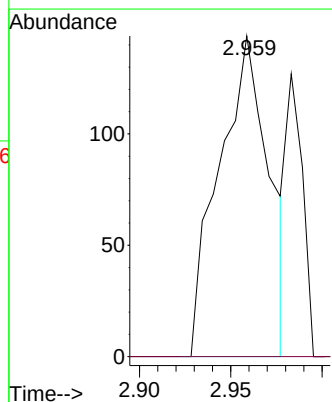
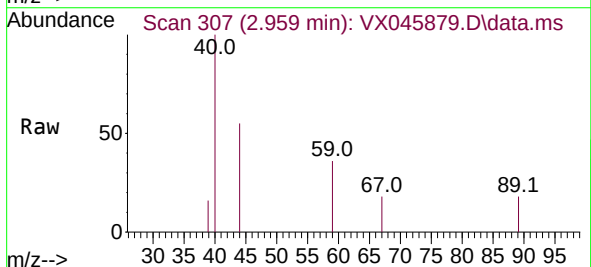


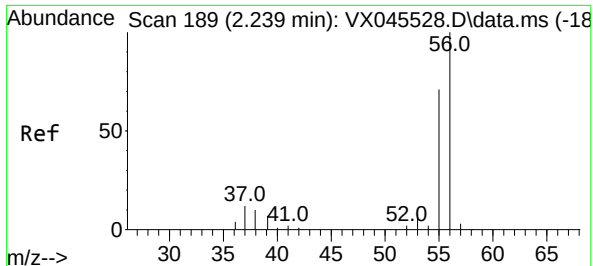
Tgt Ion:168 Resp: 70592
Ion Ratio Lower Upper
168 100
99 68.0 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.568 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Tgt Ion: 59 Resp: 272
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

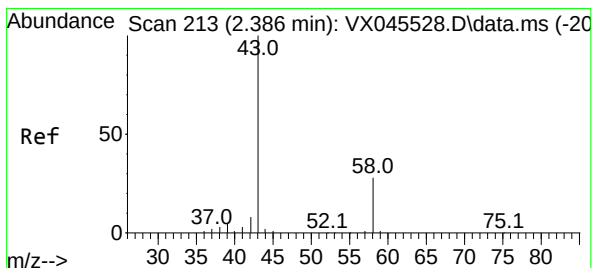
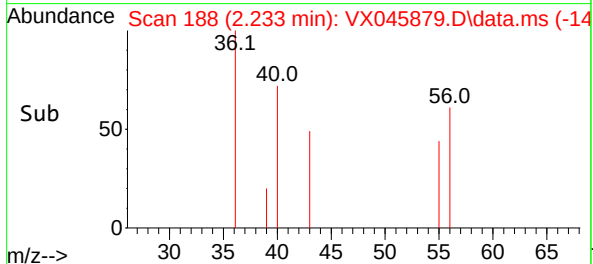
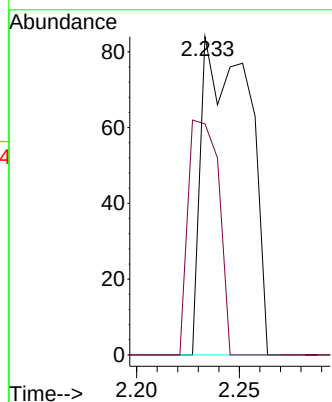
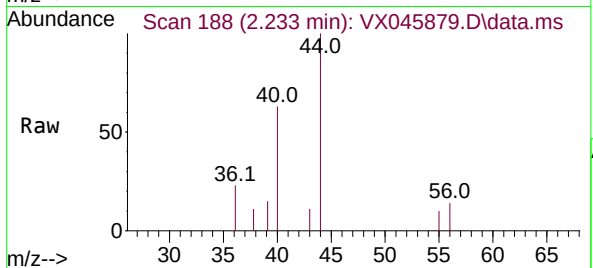




#13
Acrolein
Concen: 0.561 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

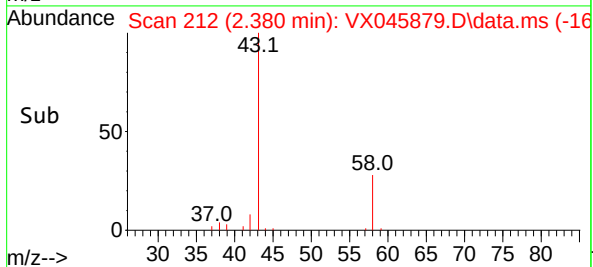
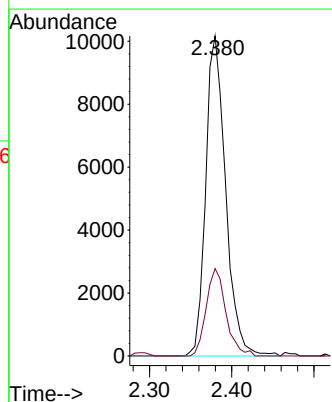
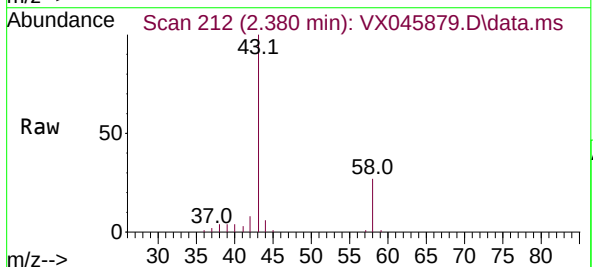
Instrument :
MSVOA_X
ClientSampleId :
PB167661TB

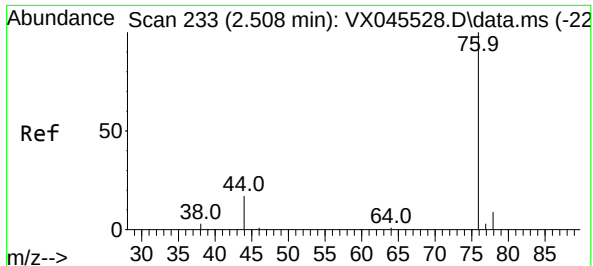
Tgt Ion: 56 Resp: 134
Ion Ratio Lower Upper
56 100
55 47.8 56.2 84.2#



#16
Acetone
Concen: 32.243 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Tgt Ion: 43 Resp: 17092
Ion Ratio Lower Upper
43 100
58 27.3 22.3 33.5

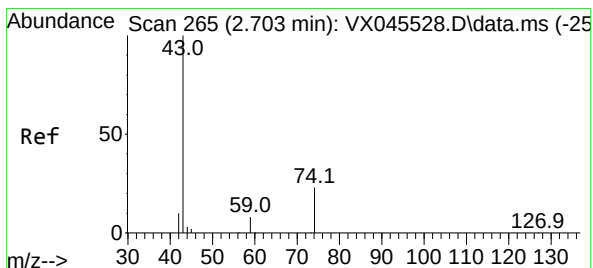
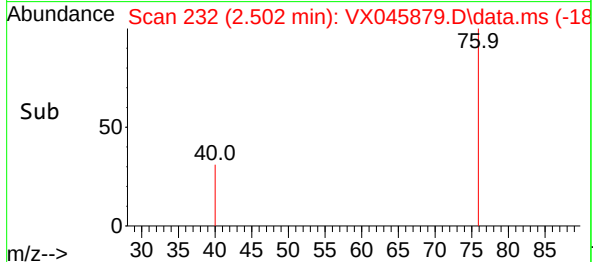
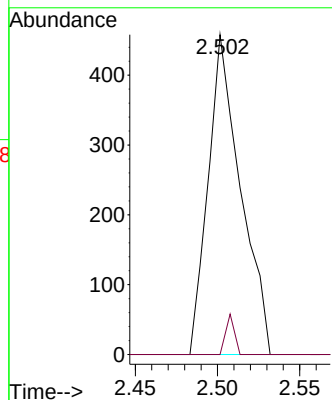
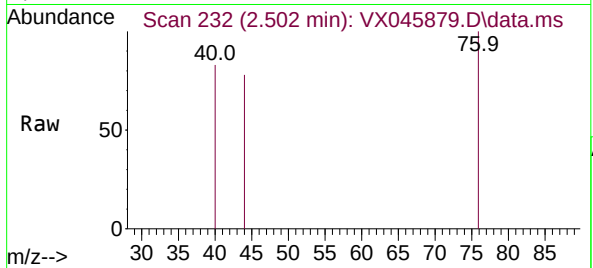




#17
Carbon Disulfide
Concen: 0.300 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

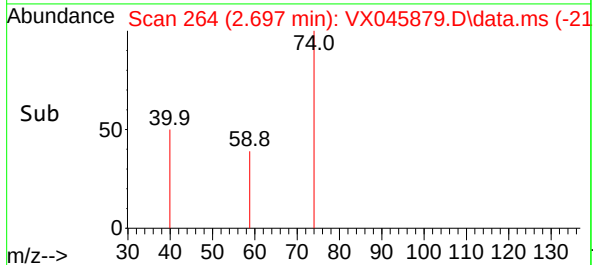
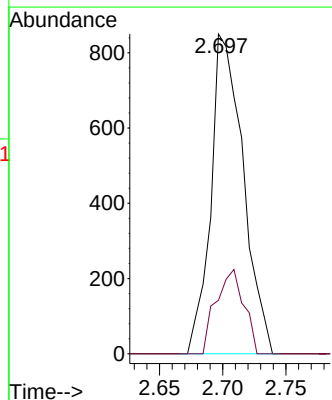
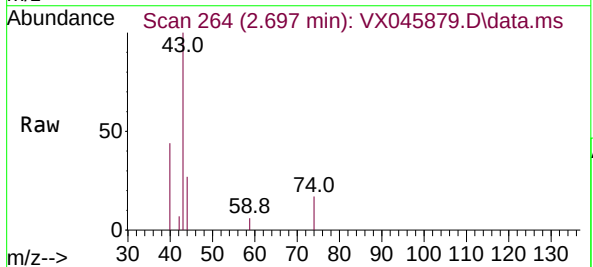
Instrument :
MSVOA_X
ClientSampleId :
PB167661TB

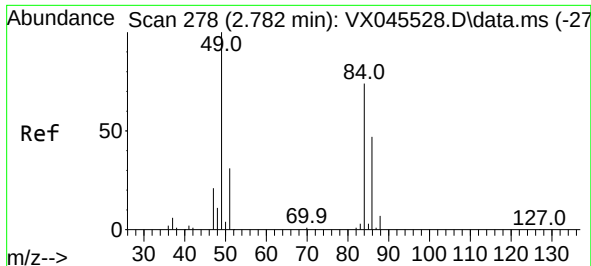
Tgt Ion: 76 Resp: 627
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 1.236 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Tgt Ion: 43 Resp: 1508
Ion Ratio Lower Upper
43 100
74 22.7 17.5 26.3

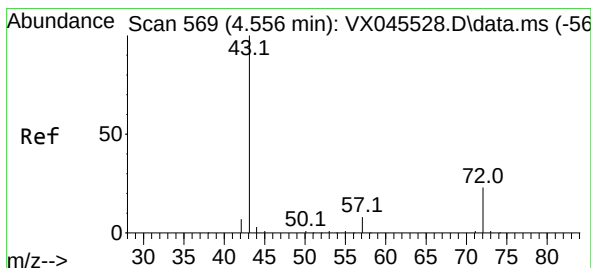
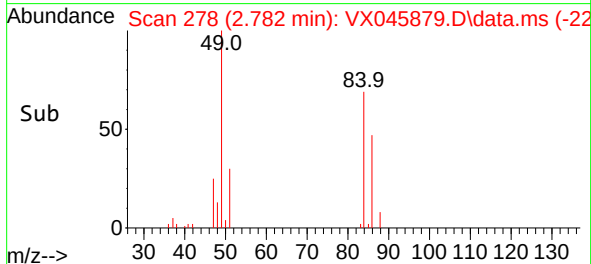
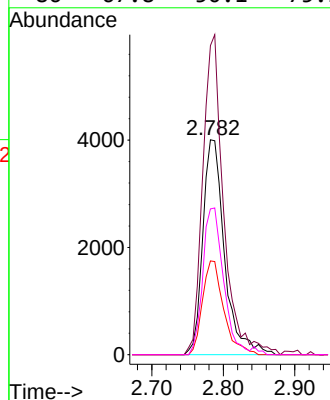
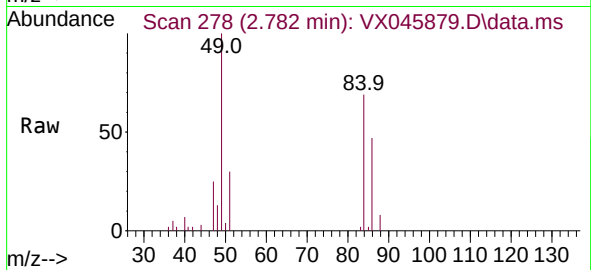




#20
Methylene Chloride
Concen: 8.542 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

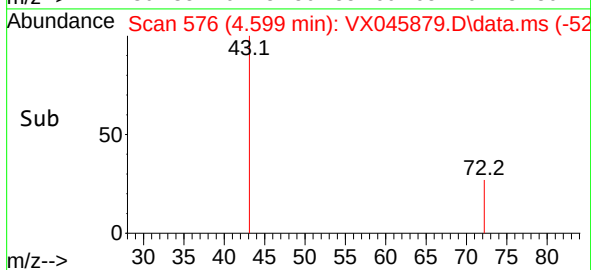
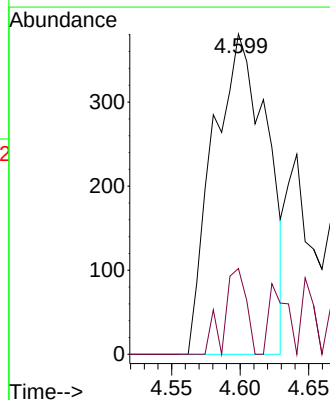
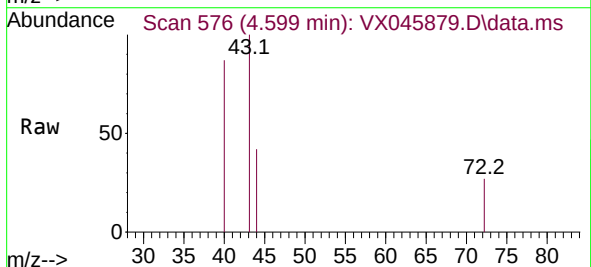
Instrument :
MSVOA_X
ClientSampleId :
PB167661TB

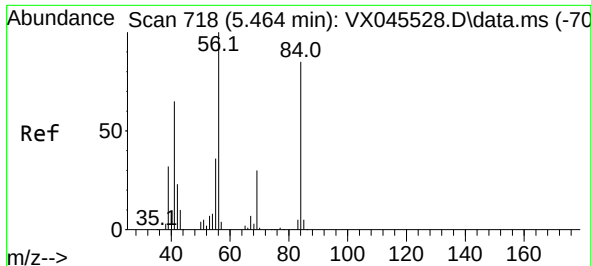
Tgt Ion:	84	Resp:	8477
Ion	Ratio	Lower	Upper
84	100		
49	143.9	107.5	161.3
51	43.6	33.0	49.6
86	67.8	50.1	75.1



#25
2-Butanone
Concen: 1.345 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

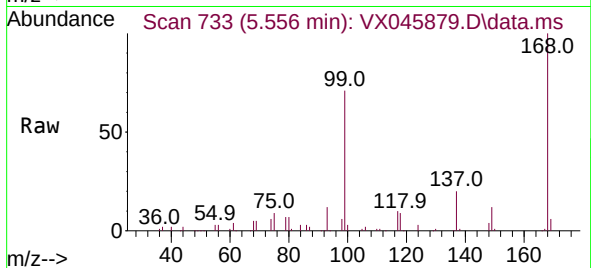
Tgt Ion:	43	Resp:	1044
Ion	Ratio	Lower	Upper
43	100		
72	26.8	18.6	28.0



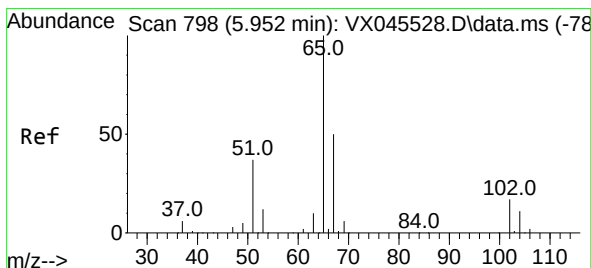
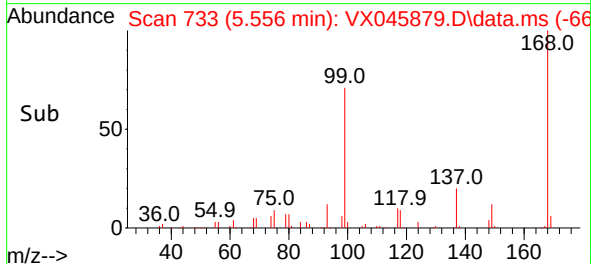
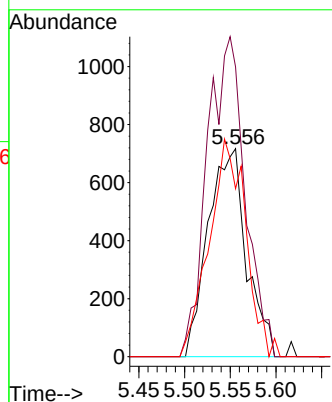


#31
Cyclohexane
Concen: 1.322 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Instrument :
MSVOA_X
ClientSampleId :
PB167661TB

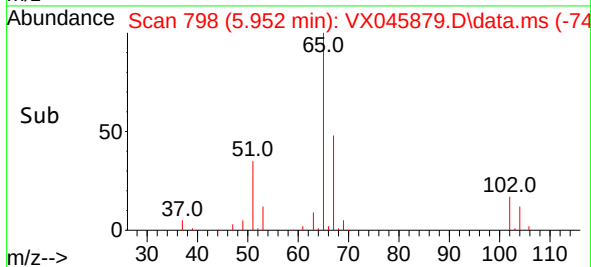
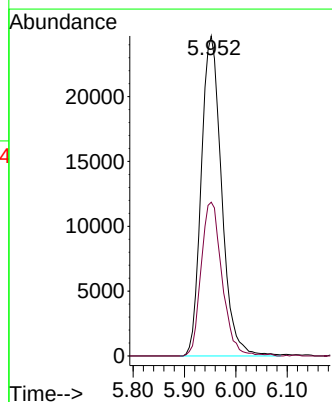
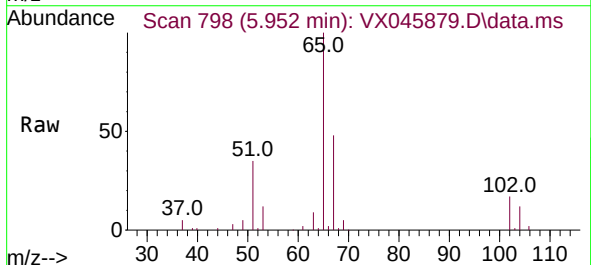


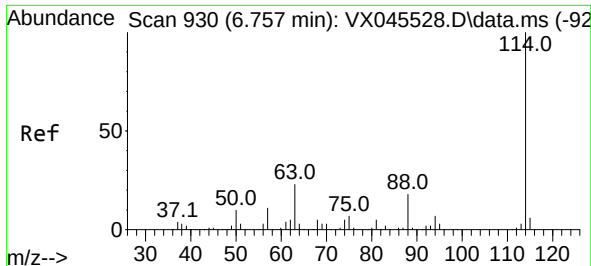
Tgt Ion: 56 Resp: 2094
Ion Ratio Lower Upper
56 100
69 139.3 23.6 35.4#
84 80.8 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 52.665 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Tgt Ion: 65 Resp: 67987
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.0

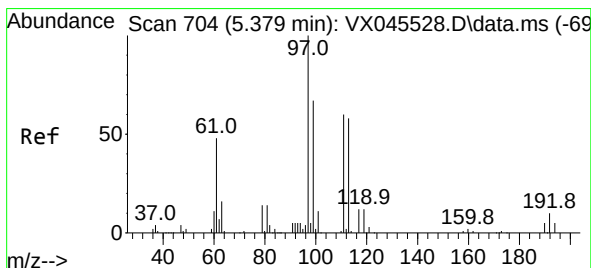
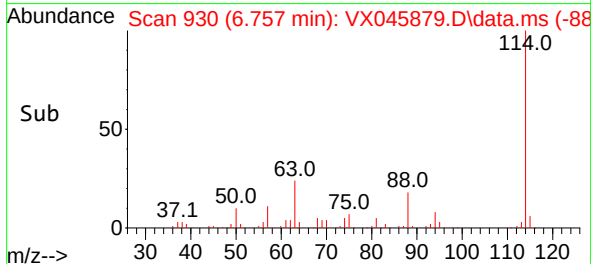
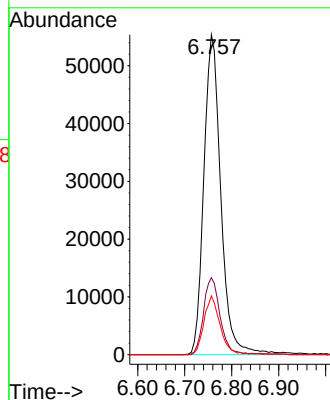
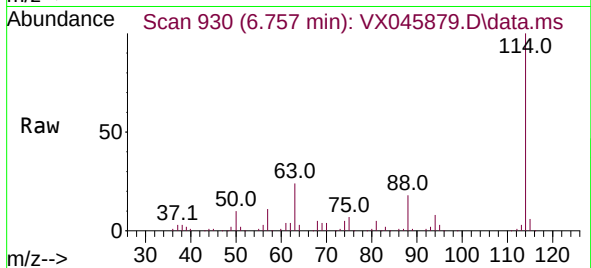




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

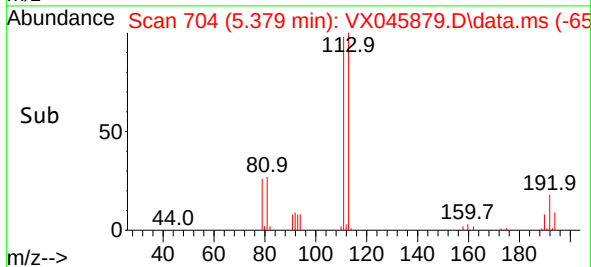
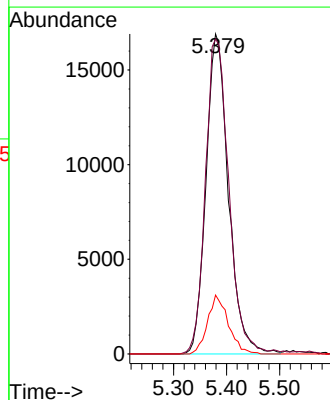
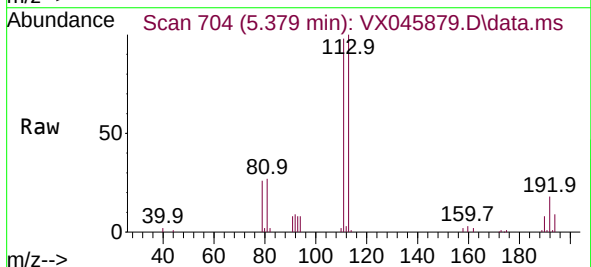
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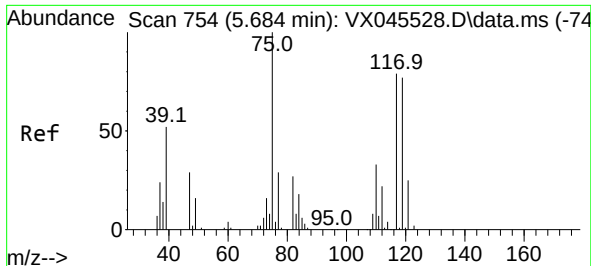
Tgt Ion:114 Resp: 138896
Ion Ratio Lower Upper
114 100
63 24.1 0.0 46.8
88 18.3 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.367 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Tgt Ion:113 Resp: 49635
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 17.1 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.289 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045879.D

Acq: 22 Apr 2025 12:58

Instrument :

MSVOA_X

ClientSampleId :

PB167661TB

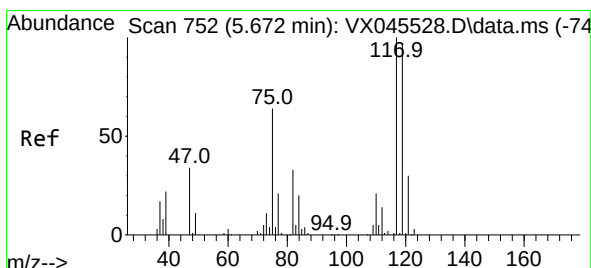
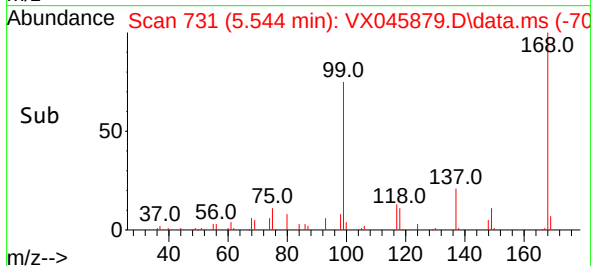
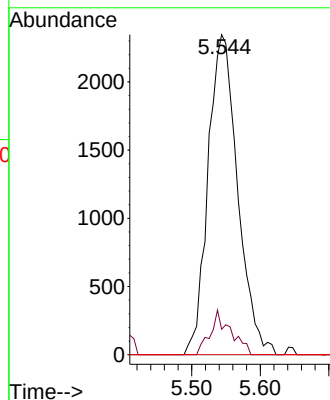
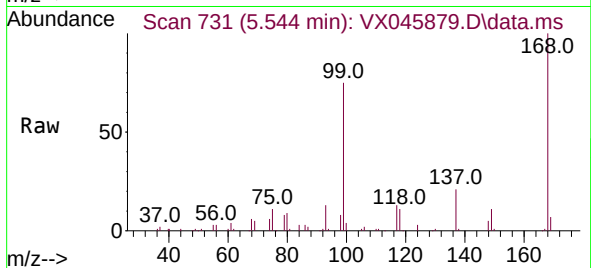
Tgt Ion: 75 Resp: 7037

Ion Ratio Lower Upper

75 100

110 9.6 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.616 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045879.D

Acq: 22 Apr 2025 12:58

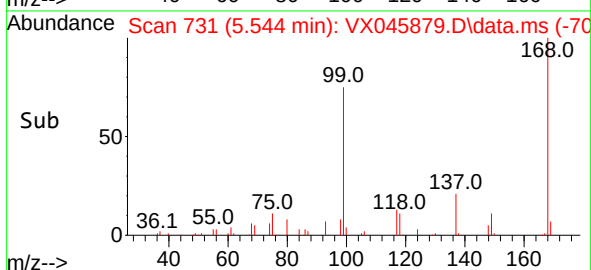
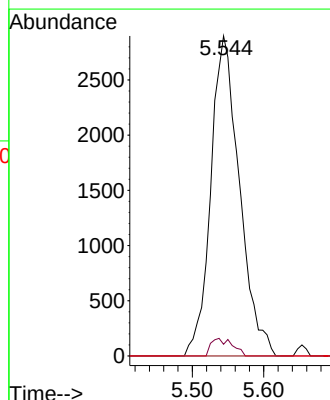
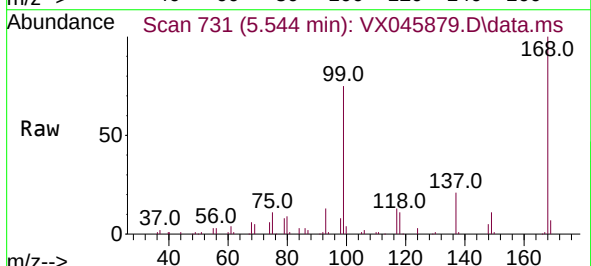
Tgt Ion: 117 Resp: 8076

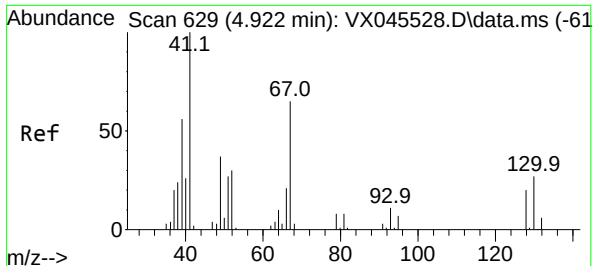
Ion Ratio Lower Upper

117 100

119 3.7 76.9 115.3#

121 0.0 24.2 36.2#

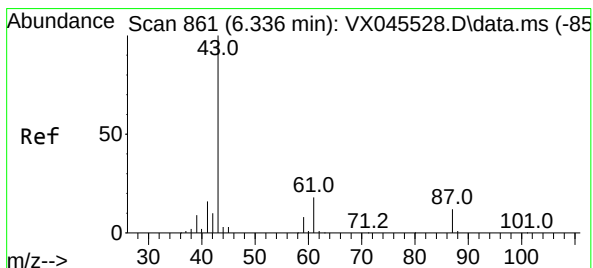
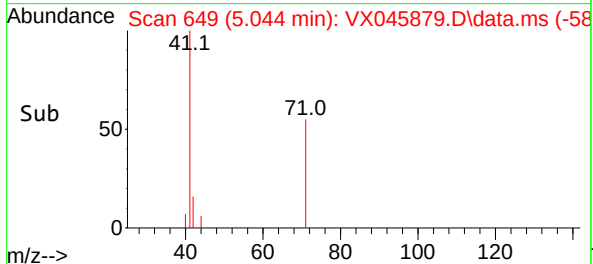
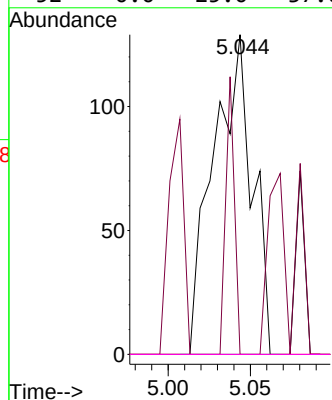
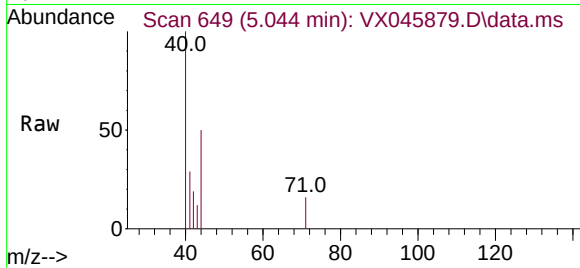




#41
Methacrylonitrile
Concen: 0.241 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

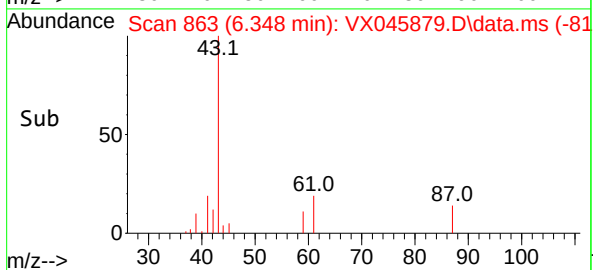
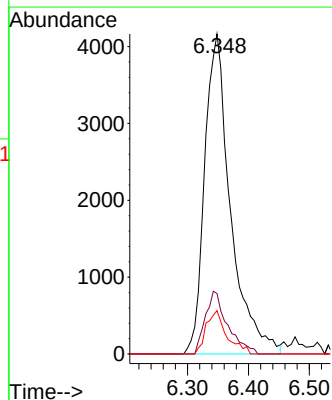
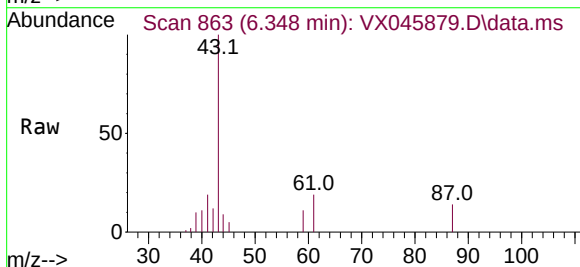
Instrument :
MSVOA_X
ClientSampleId :
PB167661TB

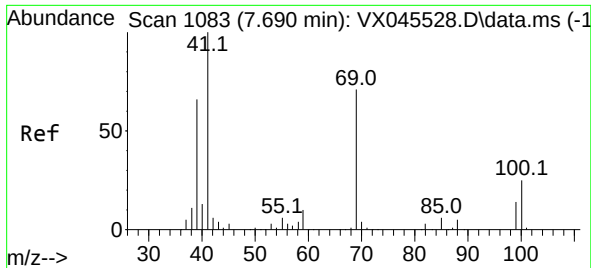
Tgt Ion:	41	Resp:	213
Ion	Ratio	Lower	Upper
41	100		
39	19.2	47.0	70.6#
67	0.0	53.2	79.8#
52	0.0	25.0	37.6#



#43
Isopropyl Acetate
Concen: 4.842 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Tgt Ion:	43	Resp:	12306
Ion	Ratio	Lower	Upper
43	100		
61	16.8	14.1	21.1
87	10.7	9.2	13.8

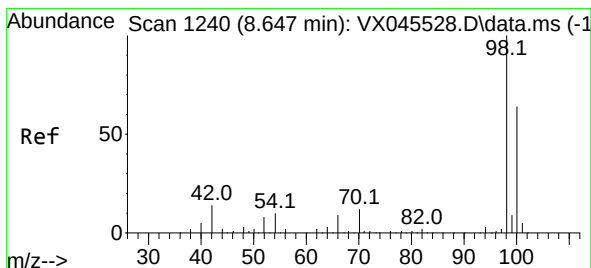
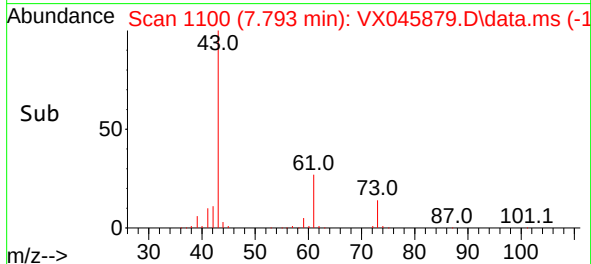
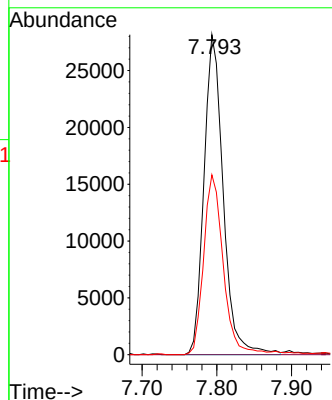
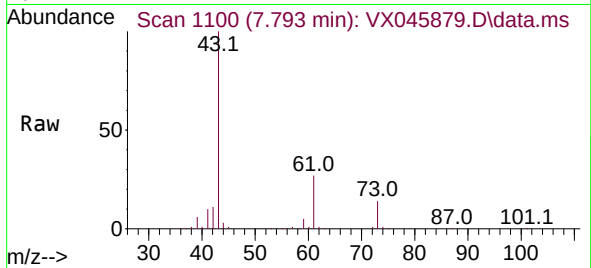




#48
Methyl methacrylate
Concen: 38.377 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

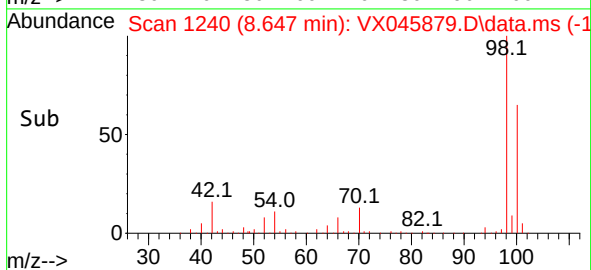
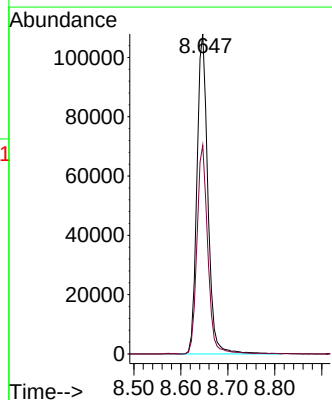
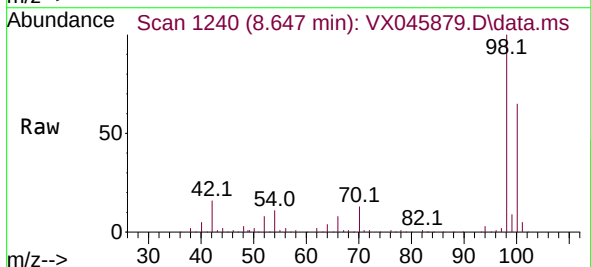
Instrument :
MSVOA_X
ClientSampleId :
PB167661TB

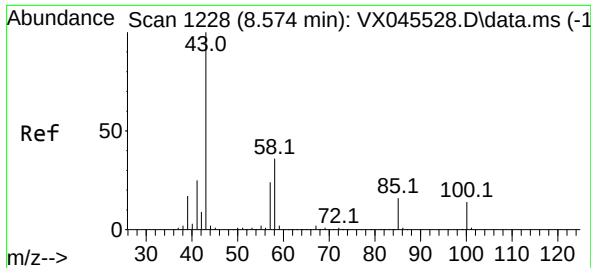
Tgt Ion: 41 Resp: 50358
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.2 53.6 80.4



#50
Toluene-d8
Concen: 51.023 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Tgt Ion: 98 Resp: 175504
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4

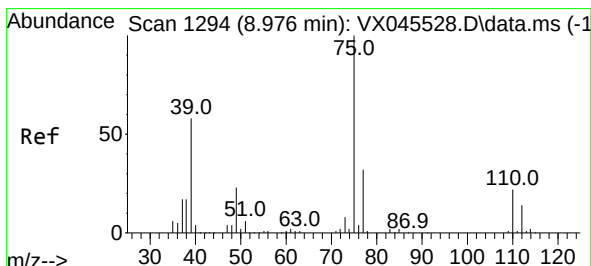
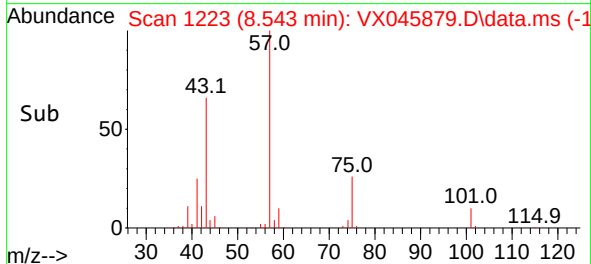
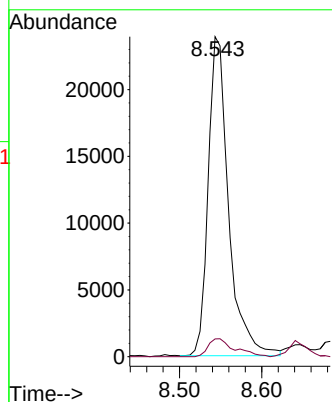
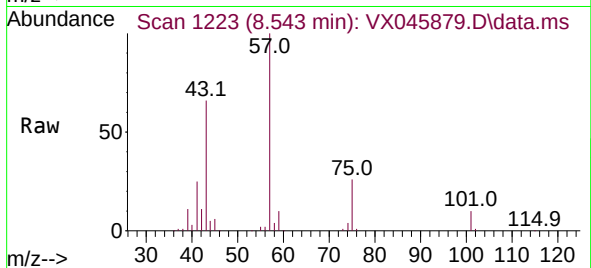




#51
4-Methyl-2-Pentanone
Concen: 24.401 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

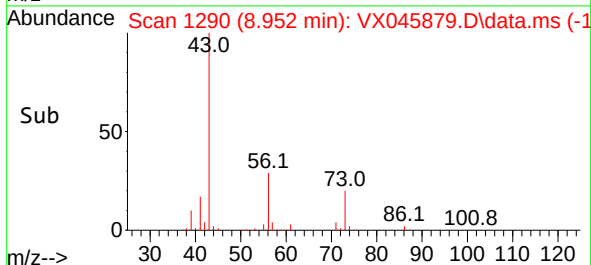
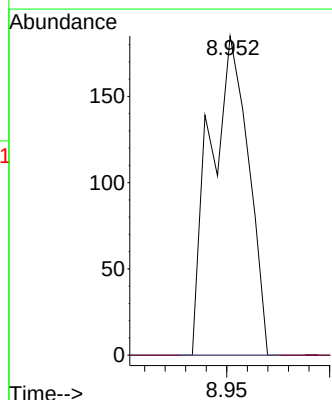
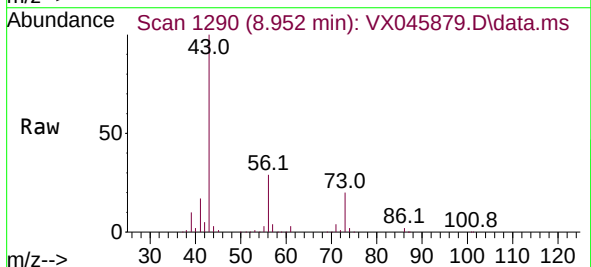
Instrument :
MSVOA_X
ClientSampleId :
PB167661TB

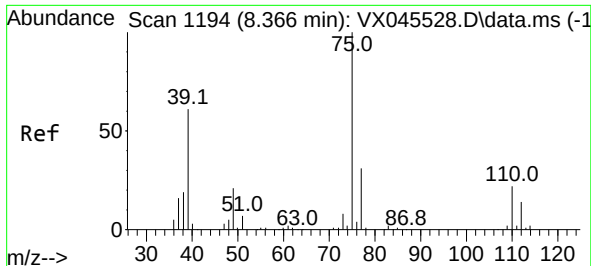
Tgt Ion: 43 Resp: 41109
Ion Ratio Lower Upper
43 100
58 7.3 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.441 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Tgt Ion: 75 Resp: 238
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

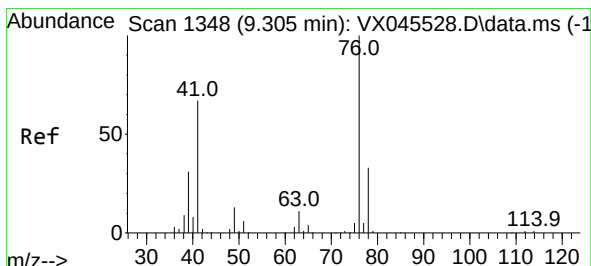
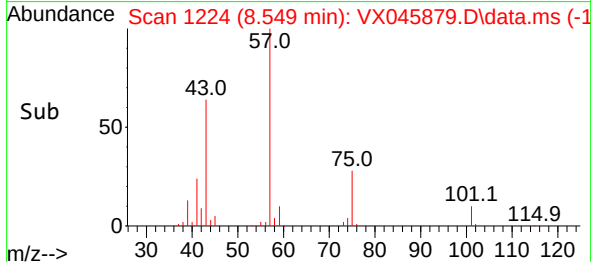
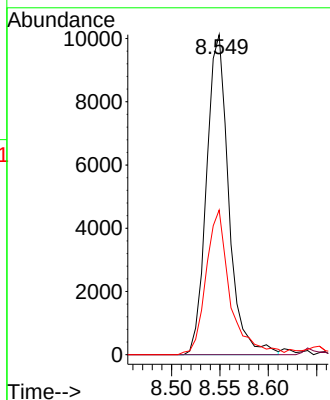
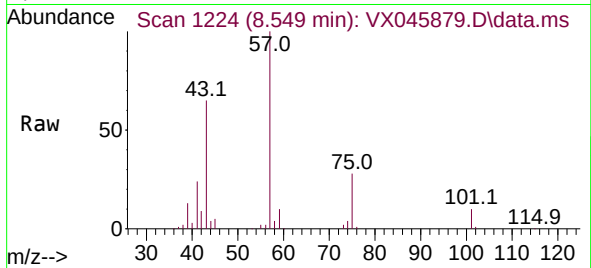




#54
 cis-1,3-Dichloropropene
 Concen: 11.054 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045879.D
 Acq: 22 Apr 2025 12:58

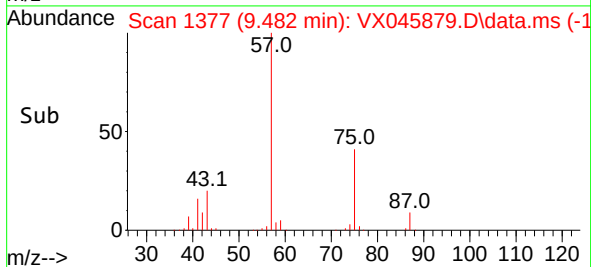
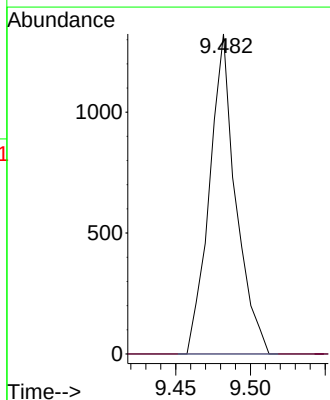
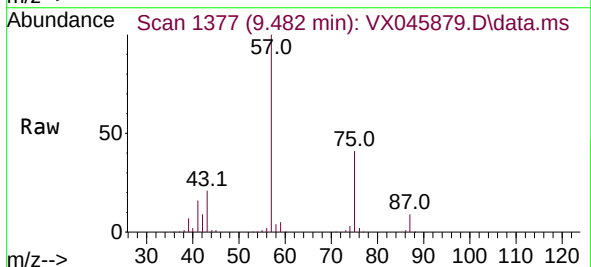
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167661TB

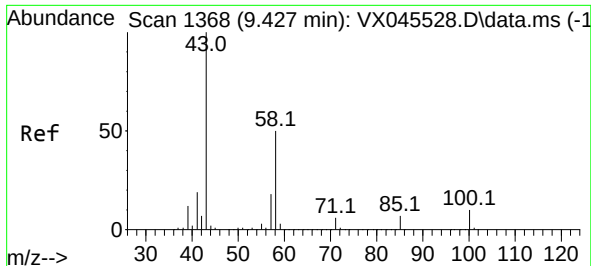
Tgt Ion: 75 Resp: 16147
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.2 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.952 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045879.D
 Acq: 22 Apr 2025 12:58

Tgt Ion: 76 Resp: 1624
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

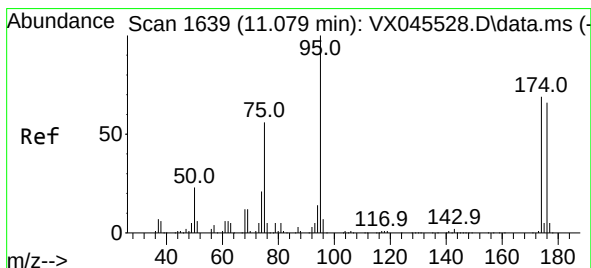
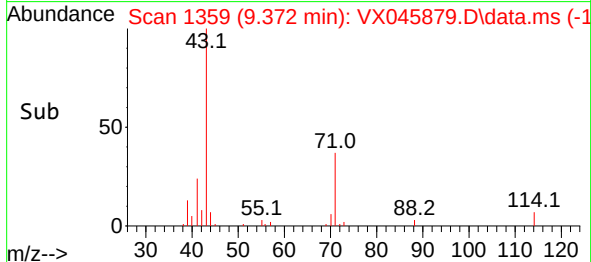
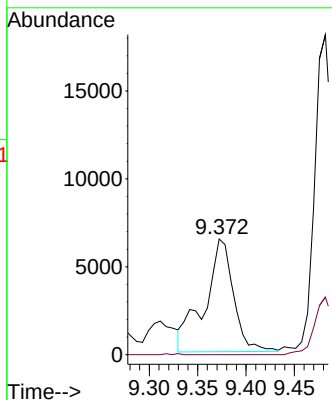
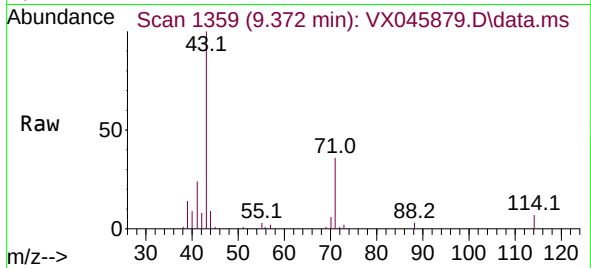




#59
2-Hexanone
Concen: 10.697 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

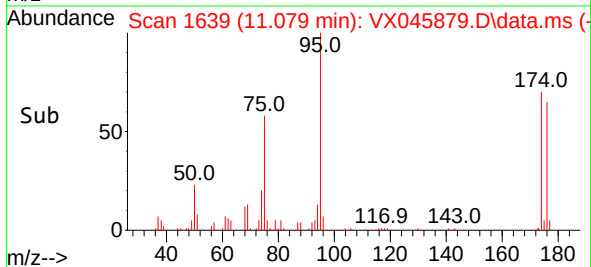
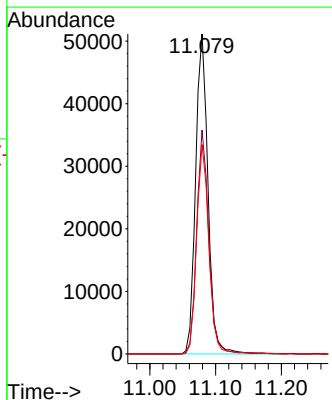
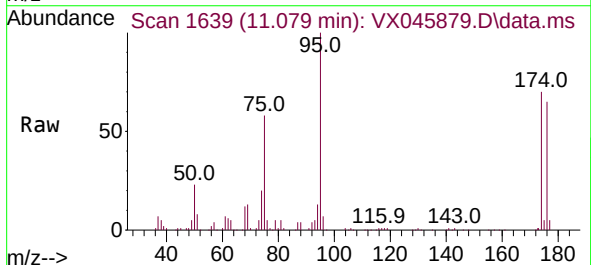
Instrument :
MSVOA_X
ClientSampleId :
PB167661TB

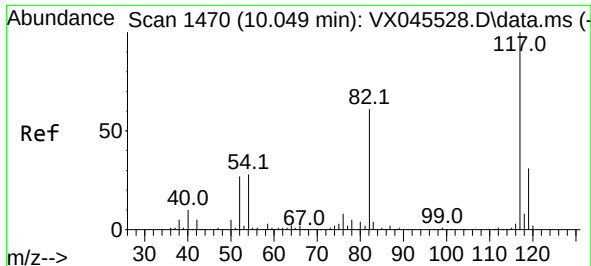
Tgt Ion: 43 Resp: 13346
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.158 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Tgt Ion: 95 Resp: 66602
Ion Ratio Lower Upper
95 100
174 68.6 0.0 135.8
176 64.9 0.0 131.4

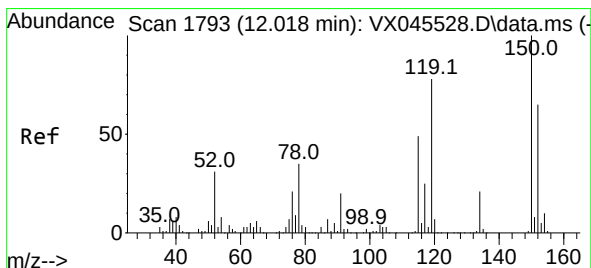
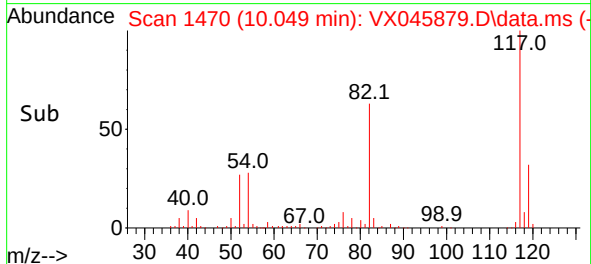
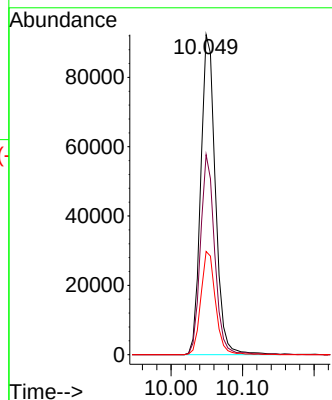
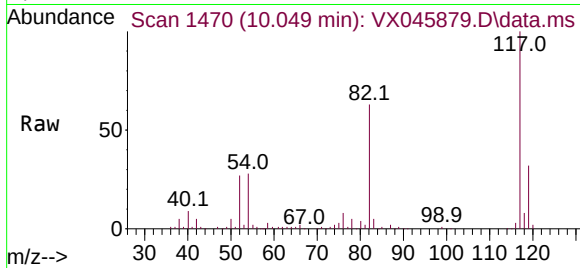




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

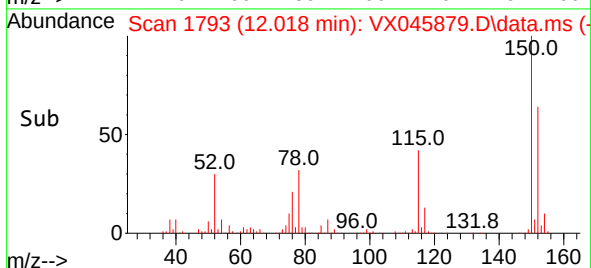
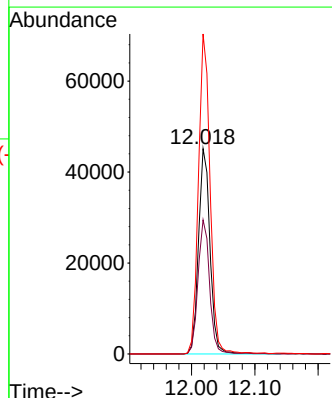
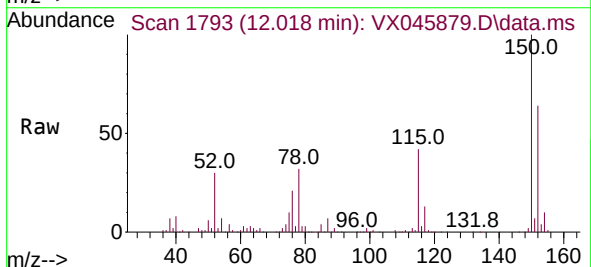
Instrument :
MSVOA_X
ClientSampleId :
PB167661TB

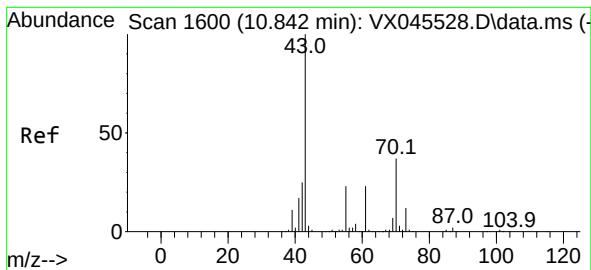
Tgt Ion:117 Resp: 131235
Ion Ratio Lower Upper
117 100
82 62.5 49.2 73.8
119 32.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Tgt Ion:152 Resp: 57190
Ion Ratio Lower Upper
152 100
115 65.5 46.9 140.7
150 157.2 0.0 349.4





#74

N-amy1 acetate

Concen: 0.228 ug/l

RT: 10.878 min Scan# 1

Delta R.T. 0.037 min

Lab File: VX045879.D

Acq: 22 Apr 2025 12:58

Instrument :

MSVOA_X

ClientSampleId :

PB167661TB

Tgt Ion: 43 Resp: 500

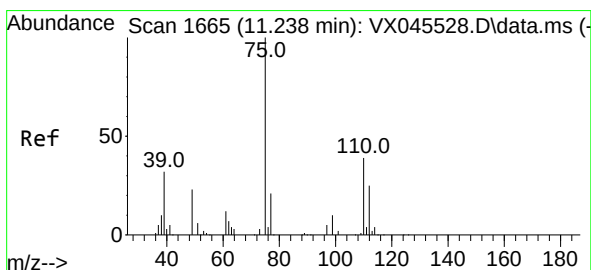
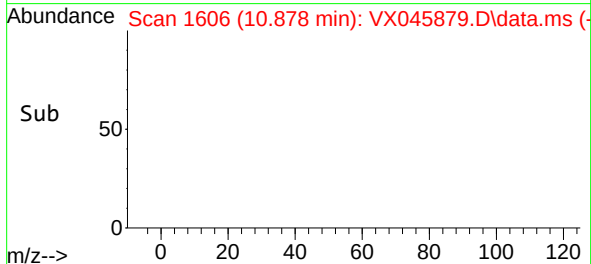
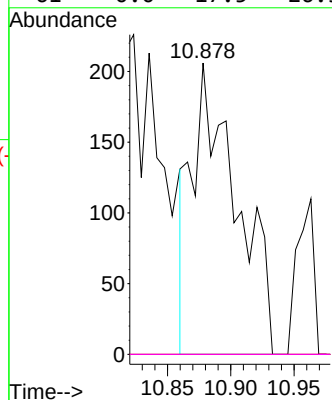
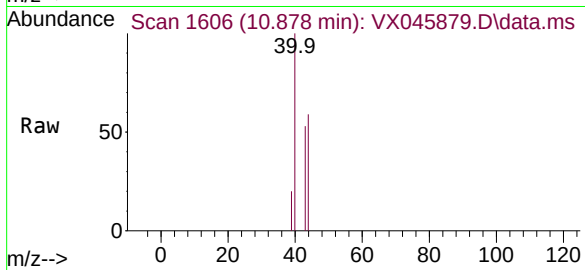
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 0.0 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 27.615 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045879.D

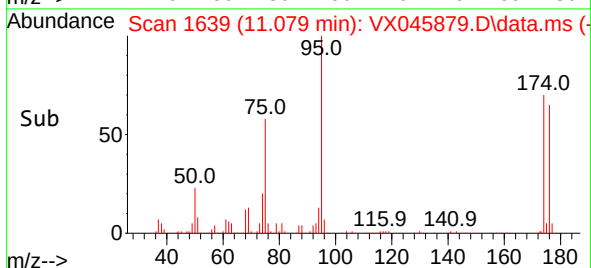
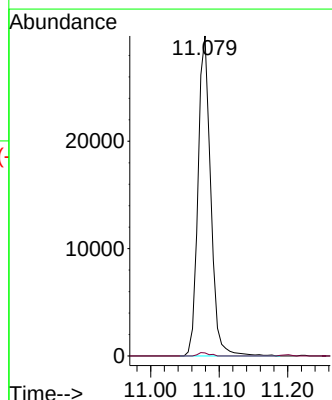
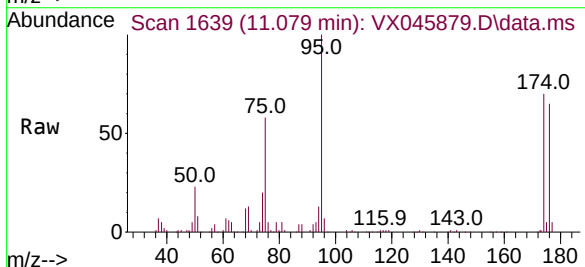
Acq: 22 Apr 2025 12:58

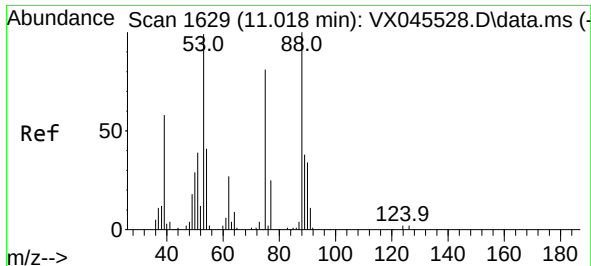
Tgt Ion: 75 Resp: 38523

Ion Ratio Lower Upper

75 100

77 0.9 20.0 59.9#

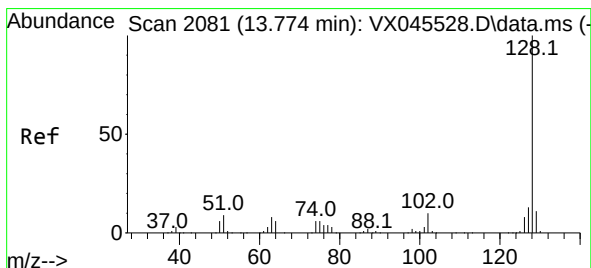
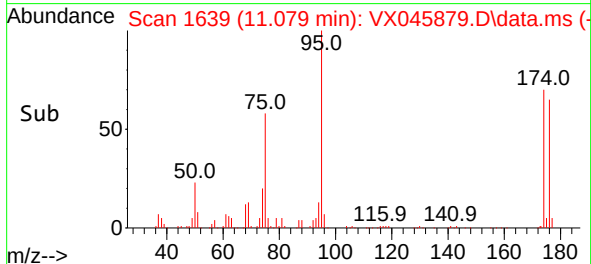
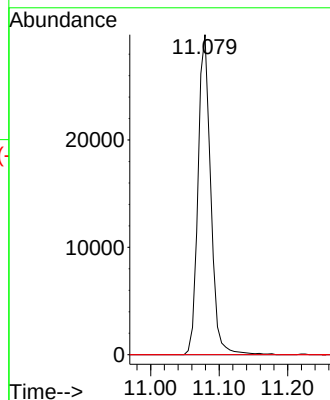
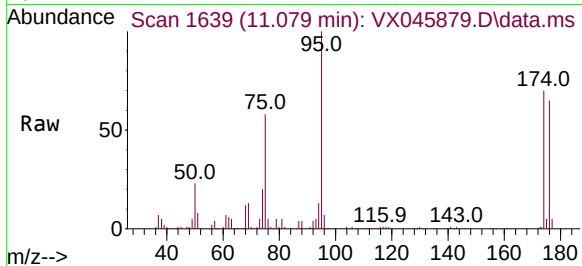




#81
trans-1,4-Dichloro-2-butene
Concen: 93.722 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

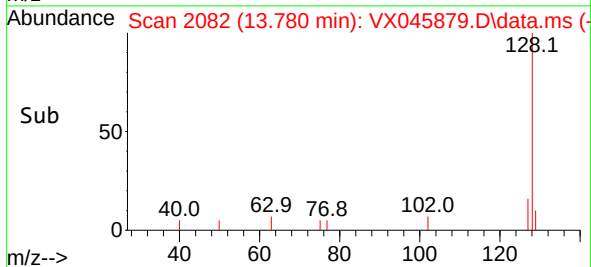
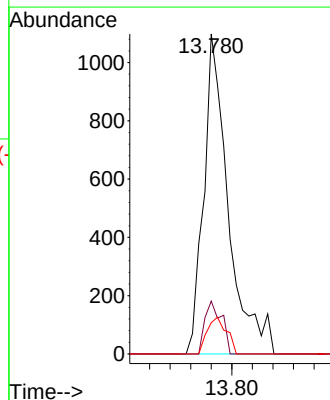
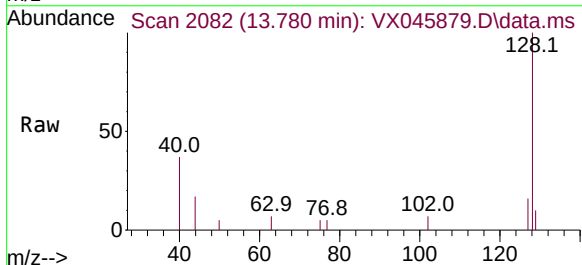
Instrument :
MSVOA_X
ClientSampleId :
PB167661TB

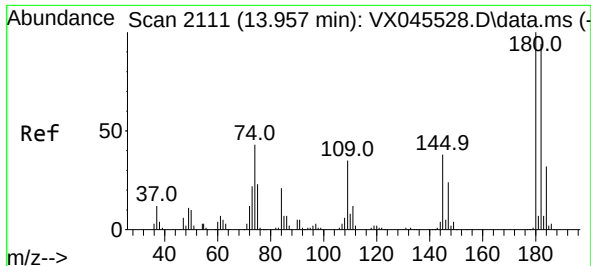
Tgt Ion: 75 Resp: 38523
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.460 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045879.D
Acq: 22 Apr 2025 12:58

Tgt Ion: 128 Resp: 1824
Ion Ratio Lower Upper
128 100
127 11.3 10.3 15.5
129 9.0 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 0.353 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045879.D

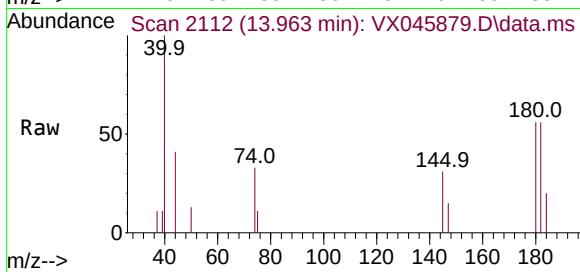
Acq: 22 Apr 2025 12:58

Instrument :

MSVOA_X

ClientSampleId :

PB167661TB



Tgt Ion:180 Resp: 394

Ion Ratio Lower Upper

180 100

182 90.9 47.3 141.8

145 25.4 18.2 54.6

