

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100625\
 Data File : VX048010.D
 Acq On : 06 Oct 2025 09:23
 Operator : JC/MD
 Sample : VX1006MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1006MBL01

Quant Time: Oct 07 02:06:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

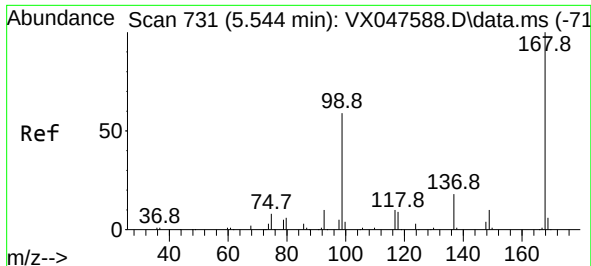
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.532	168	107152	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	213083	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	218675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	92384	54.165	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.340%			
35) Dibromofluoromethane	5.367	113	77844	54.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.940%			
50) Toluene-d8	8.629	98	263593	53.307	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.620%			
62) 4-Bromofluorobenzene	11.061	95	109639	58.423	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.840%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	453	0.500	ug/l #	54
10) Methyl Iodide	2.465	142	941	0.487	ug/l #	89
11) Tert butyl alcohol	2.947	59	320	1.685	ug/l #	72
13) Acrolein	2.239	56	233	1.331	ug/l	95
15) Acrylonitrile	3.087	53	376	0.534	ug/l #	17
16) Acetone	2.368	43	842	1.135	ug/l	89
17) Carbon Disulfide	2.514	76	3904	1.120	ug/l #	76
18) Methyl Acetate	2.697	43	424	0.257	ug/l #	54
20) Methylene Chloride	2.788	84	351	0.224	ug/l #	58
36) 1,1-Dichloropropene	5.672	75	435	0.208	ug/l #	43
38) Carbon Tetrachloride	5.525	117	11163	4.920	ug/l #	18
39) Methylcyclohexane	7.354	83	652	0.275	ug/l #	67
51) 4-Methyl-2-Pentanone	8.555	43	503	0.247	ug/l #	73
76) 1,2,3-Trichloropropane	11.061	75	58354	26.986	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	58354	68.819	ug/l #	8
83) tert-Butylbenzene	11.695	119	1510	0.221	ug/l	99
85) sec-Butylbenzene	11.872	105	3042	0.375	ug/l	98
86) p-Isopropyltoluene	11.988	119	2614	0.381	ug/l	84
87) 1,3-Dichlorobenzene	11.957	146	916	0.247	ug/l	94
88) 1,4-Dichlorobenzene	11.957	146	916	0.240	ug/l	95
89) n-Butylbenzene	12.311	91	4218	0.664	ug/l	94
90) Hexachloroethane	12.518	117	477	0.396	ug/l	79
93) 1,2,4-Trichlorobenzene	13.573	180	2125	0.924	ug/l	96
94) Hexachlorobutadiene	13.707	225	2563	3.281	ug/l	98
95) Naphthalene	13.756	128	4141	0.591	ug/l	97
96) 1,2,3-Trichlorobenzene	13.945	180	2067	0.966	ug/l	95

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

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QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

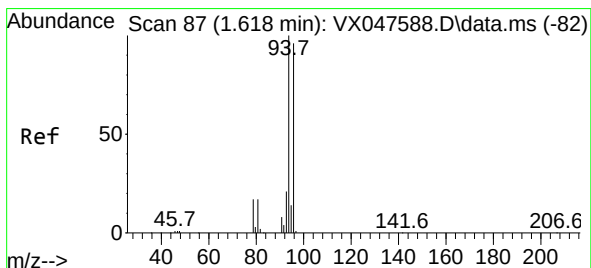
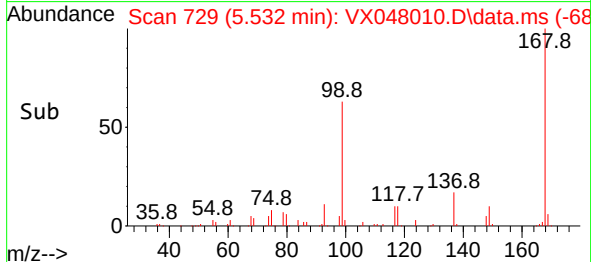
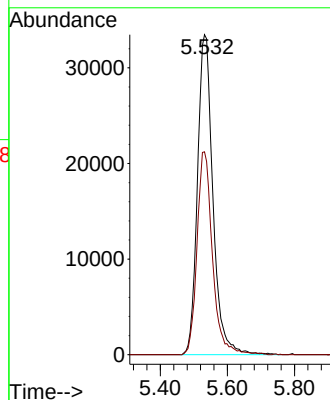
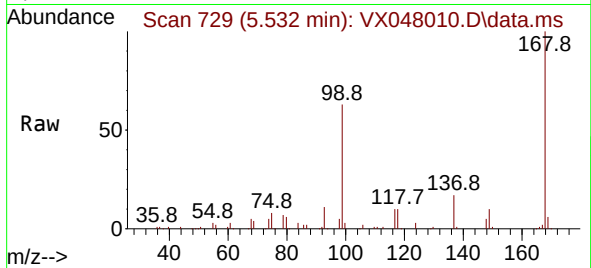




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

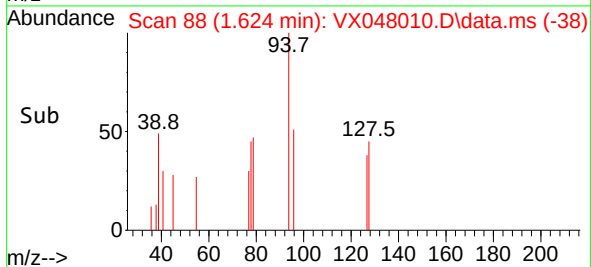
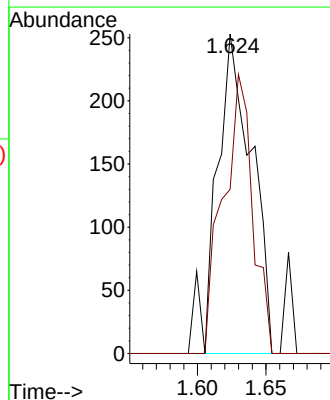
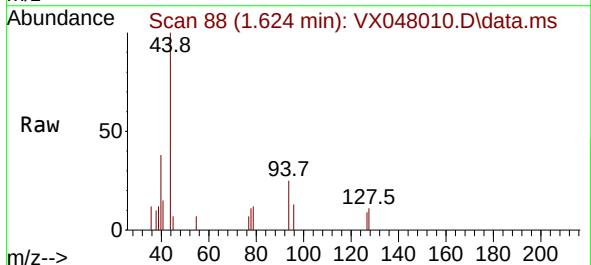
Instrument :
MSVOA_X
ClientSampleId :
VX1006MBL01

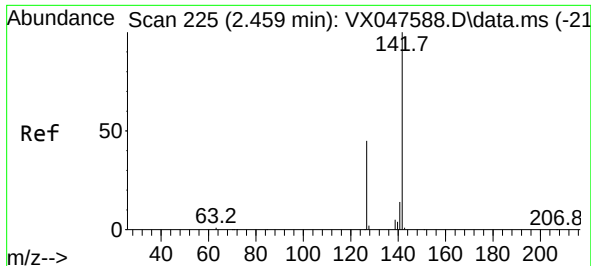
Tgt Ion:168 Resp: 107152
Ion Ratio Lower Upper
168 100
99 63.4 48.8 73.2



#5
Bromomethane
Concen: 0.500 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

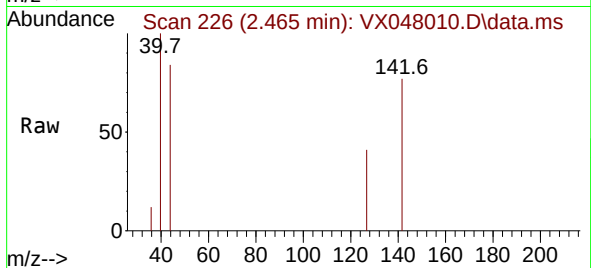
Tgt Ion: 94 Resp: 453
Ion Ratio Lower Upper
94 100
96 51.4 76.6 115.0#



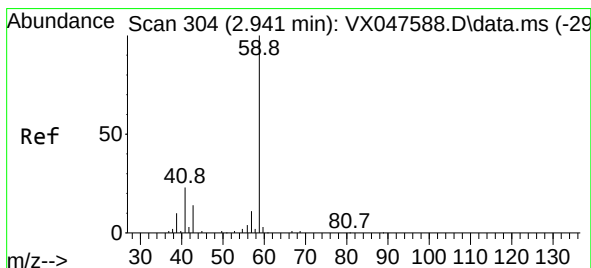
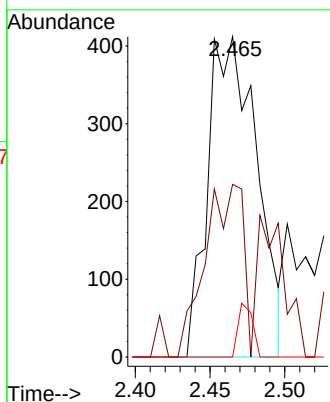
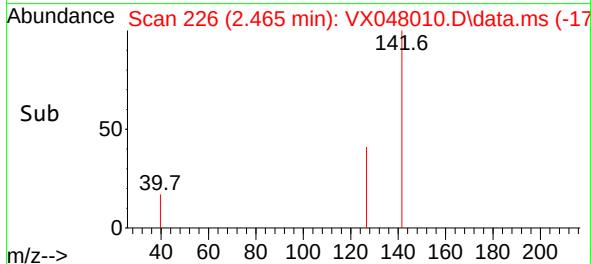


#10
Methyl Iodide
Concen: 0.487 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Instrument :
MSVOA_X
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VX1006MBL01

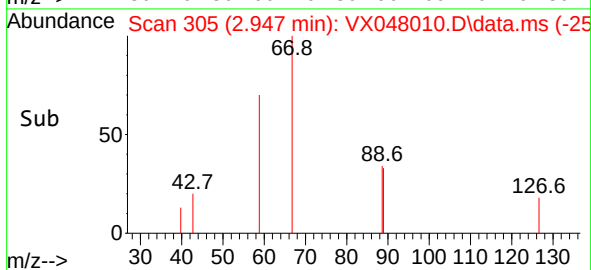
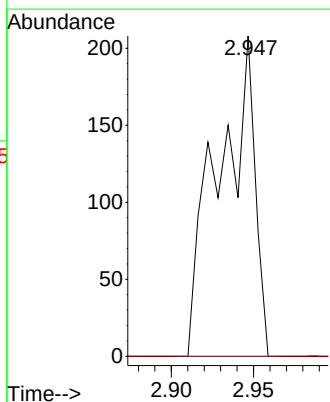
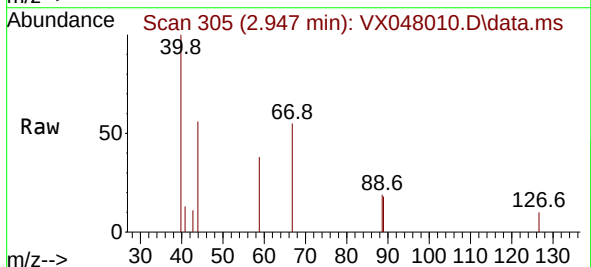


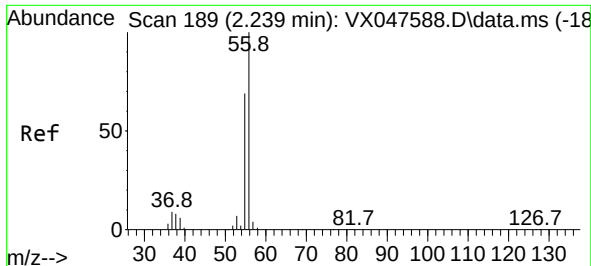
Tgt Ion:142 Resp: 941
Ion Ratio Lower Upper
142 100
127 41.8 37.2 55.8
141 4.9 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.685 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion: 59 Resp: 320
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

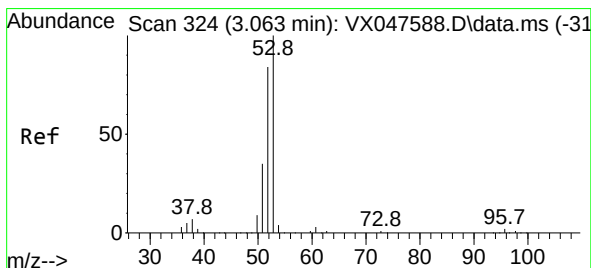
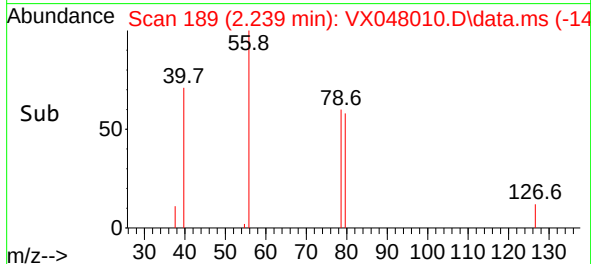
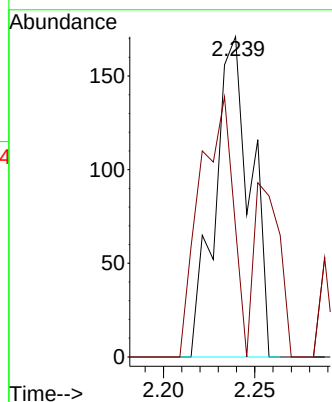
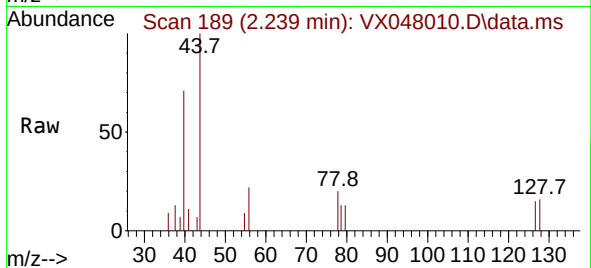




#13
Acrolein
Concen: 1.331 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

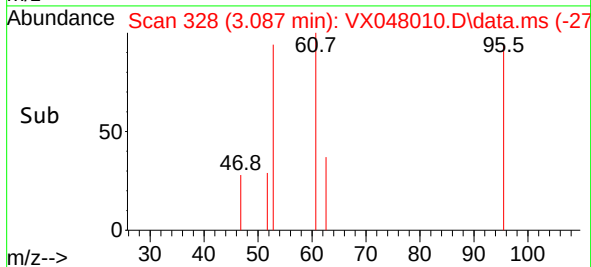
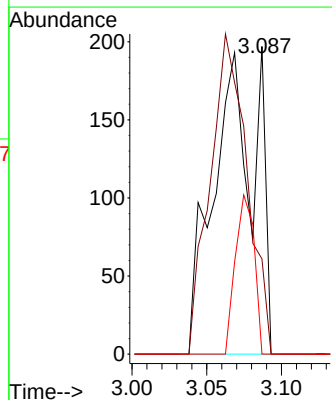
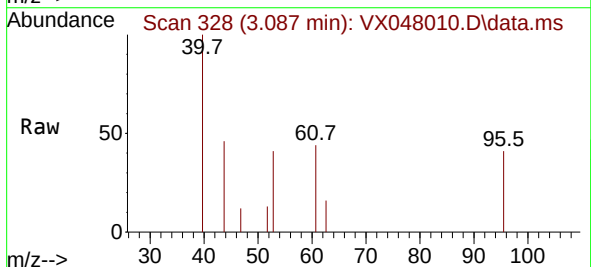
Instrument :
MSVOA_X
ClientSampleId :
VX1006MBL01

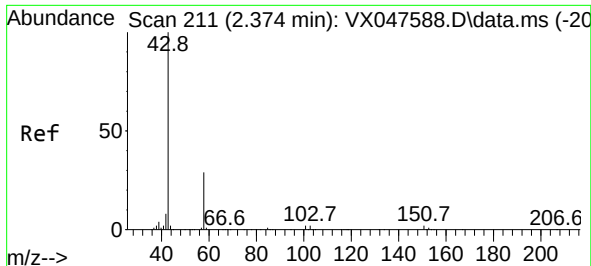
Tgt Ion: 56 Resp: 233
Ion Ratio Lower Upper
56 100
55 75.5 57.2 85.8



#15
Acrylonitrile
Concen: 0.534 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.024 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion: 53 Resp: 376
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 0.0 29.5 44.3#

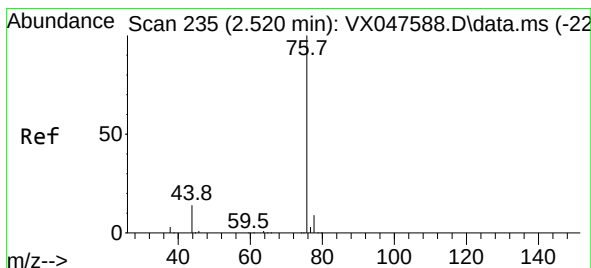
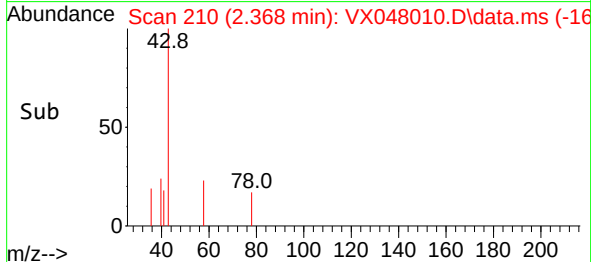
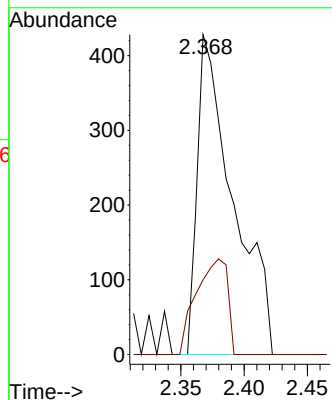
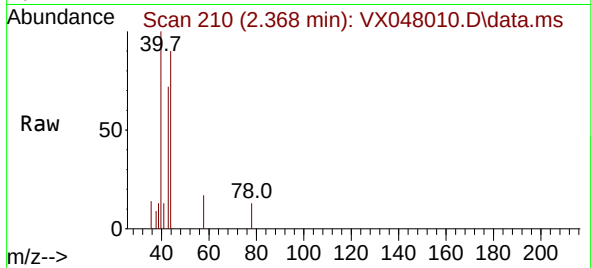




#16
Acetone
Concen: 1.135 ug/l
RT: 2.368 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

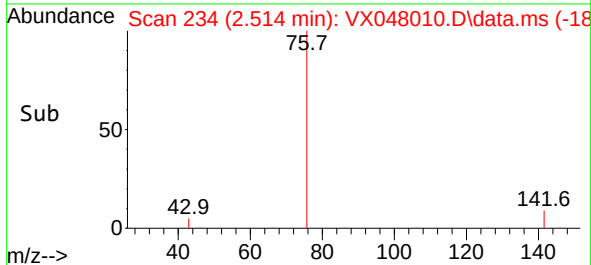
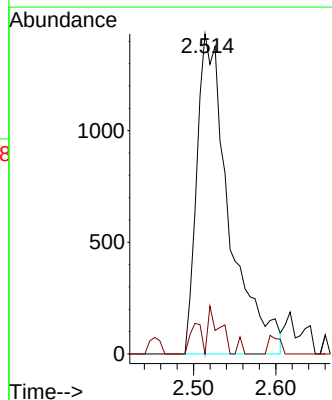
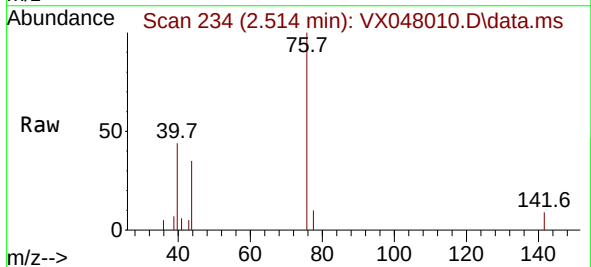
Instrument :
MSVOA_X
ClientSampleId :
VX1006MBL01

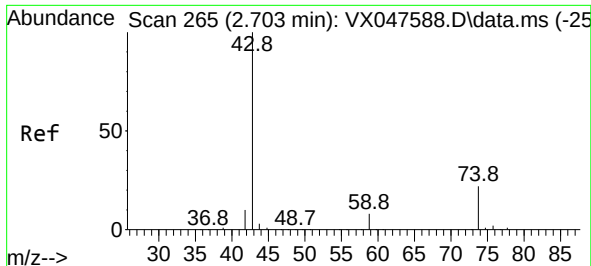
Tgt Ion: 43 Resp: 842
Ion Ratio Lower Upper
43 100
58 23.4 23.4 35.0



#17
Carbon Disulfide
Concen: 1.120 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion: 76 Resp: 3904
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

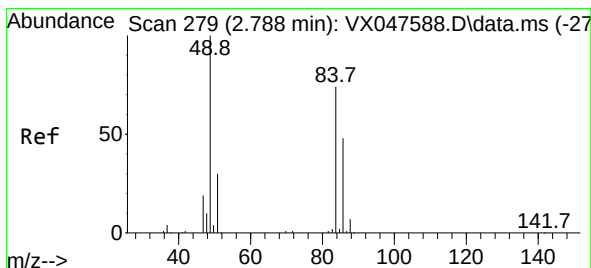
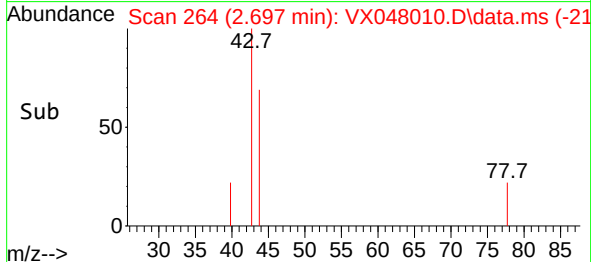
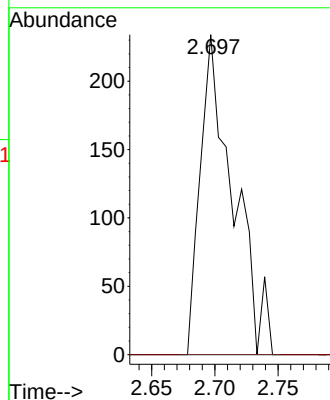
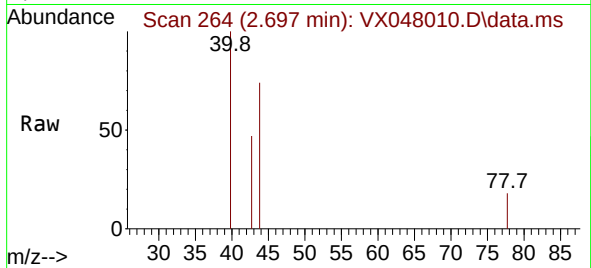




#18
Methyl Acetate
Concen: 0.257 ug/l
RT: 2.697 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

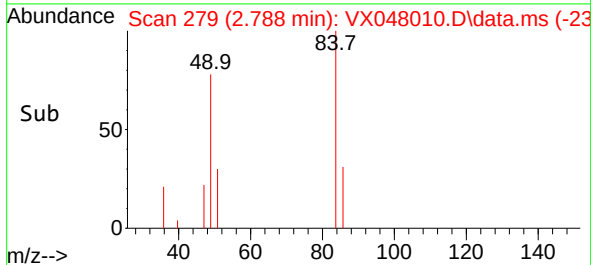
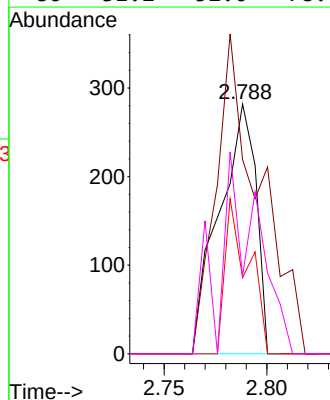
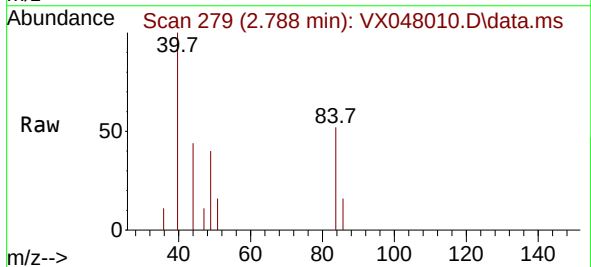
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MSVOA_X
ClientSampleId :
VX1006MBL01

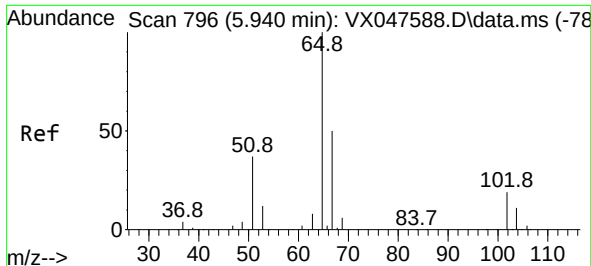
Tgt Ion: 43 Resp: 424
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#20
Methylene Chloride
Concen: 0.224 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion: 84 Resp: 351
Ion Ratio Lower Upper
84 100
49 77.7 108.6 162.8#
51 30.5 32.6 48.8#
86 31.2 52.0 78.0#





#33

1,2-Dichloroethane-d4

Concen: 54.165 ug/l

RT: 5.934 min Scan# 796

Delta R.T. -0.006 min

Lab File: VX048010.D

Acq: 06 Oct 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

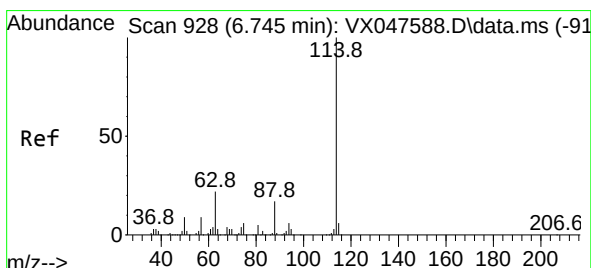
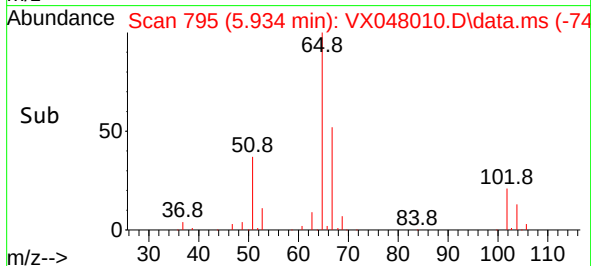
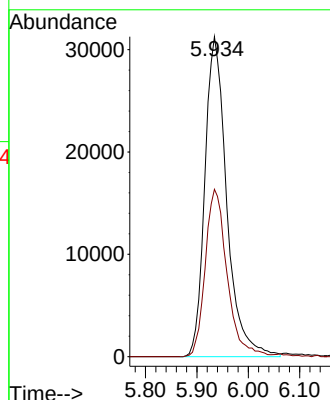
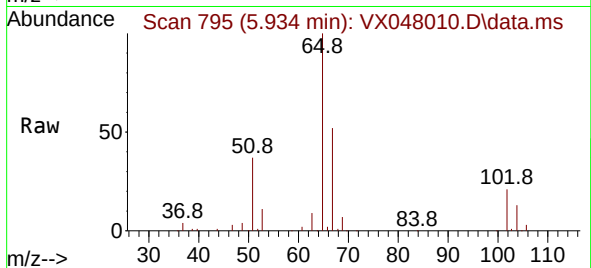
VX1006MBL01

Tgt Ion: 65 Resp: 92384

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 927

Delta R.T. -0.006 min

Lab File: VX048010.D

Acq: 06 Oct 2025 09:23

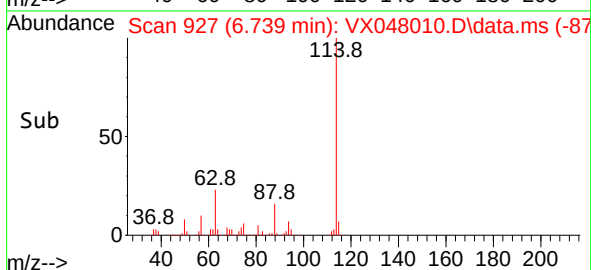
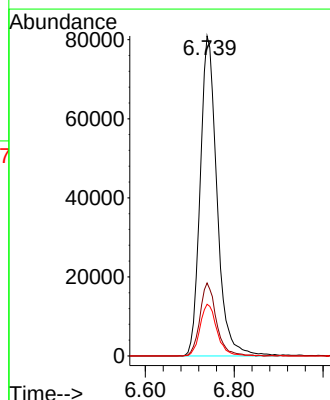
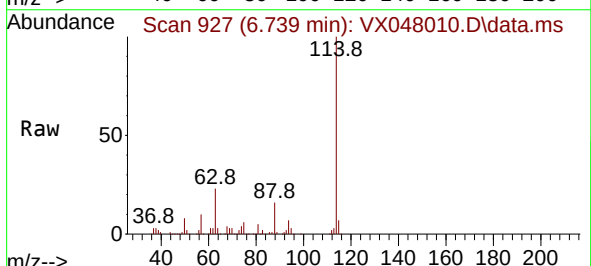
Tgt Ion: 114 Resp: 213083

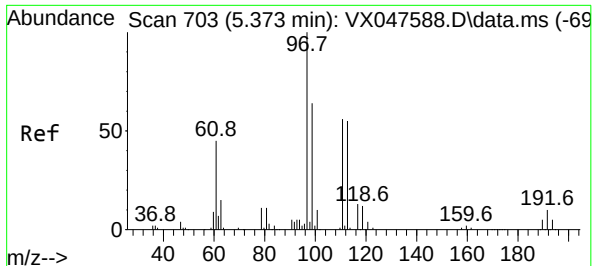
Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.0

88 16.2 0.0 34.2

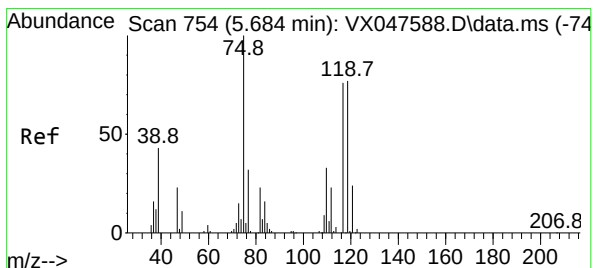
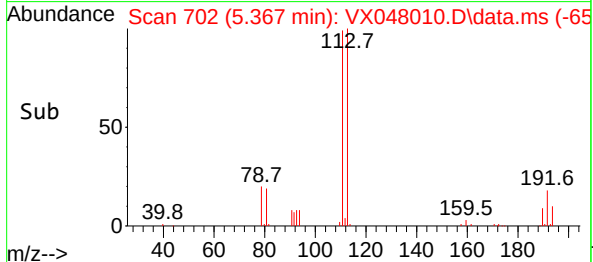
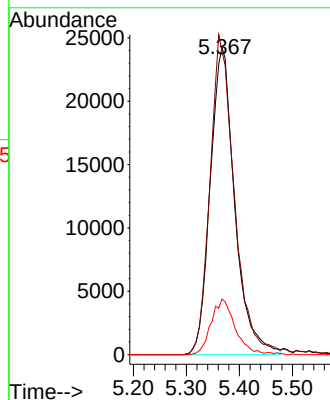
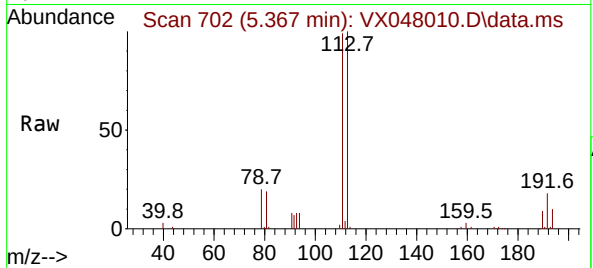




#35
Dibromofluoromethane
Concen: 54.473 ug/l
RT: 5.367 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

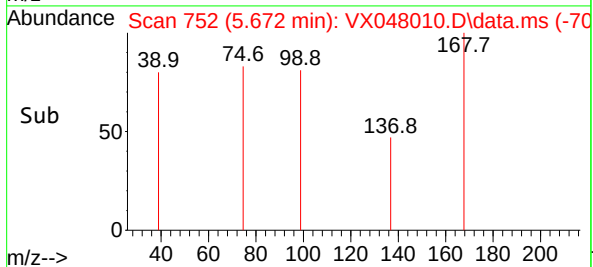
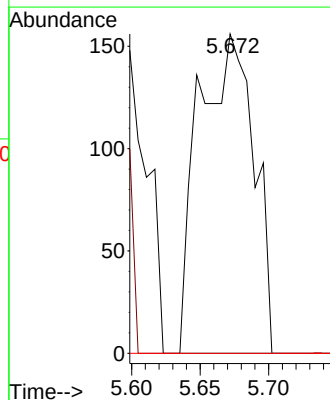
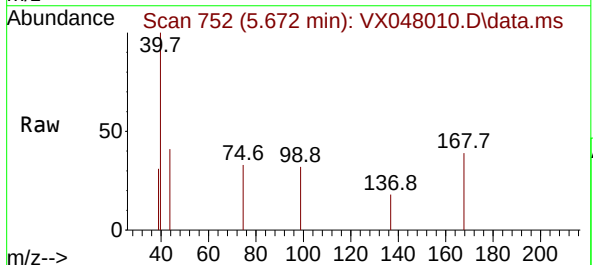
Instrument :
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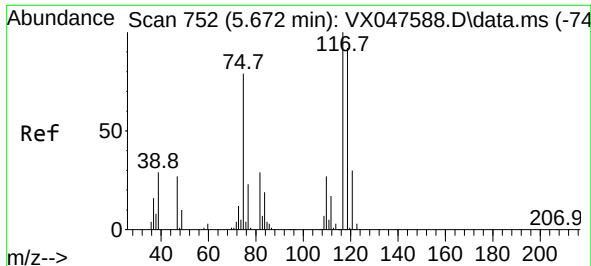
Tgt Ion:113 Resp: 77844
Ion Ratio Lower Upper
113 100
111 103.4 80.9 121.3
192 17.6 14.2 21.4



#36
1,1-Dichloropropene
Concen: 0.208 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion: 75 Resp: 435
Ion Ratio Lower Upper
75 100
110 0.0 16.7 50.1#
77 0.0 24.3 36.5#

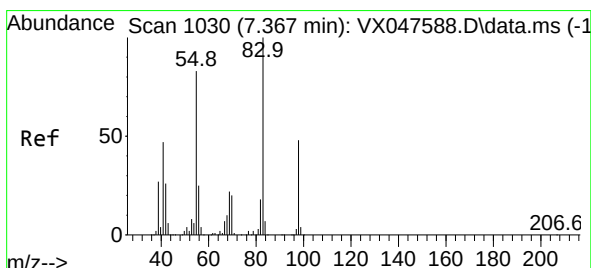
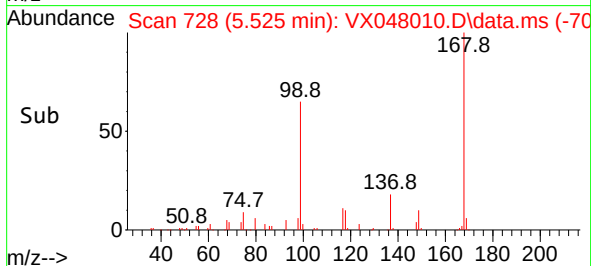
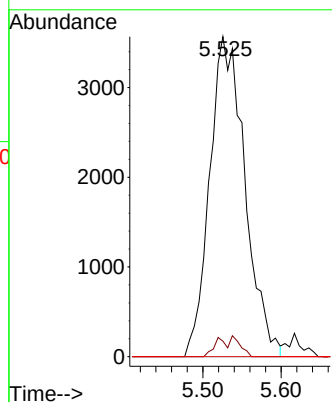
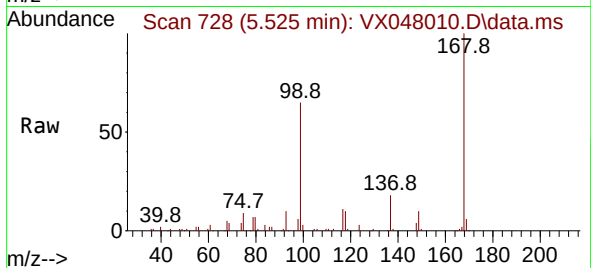




#38
Carbon Tetrachloride
Concen: 4.920 ug/l
RT: 5.525 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

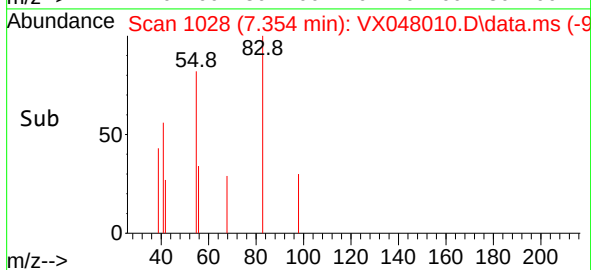
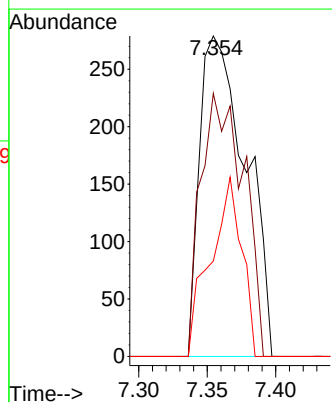
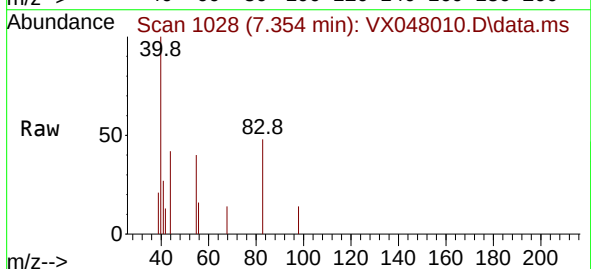
Instrument :
MSVOA_X
ClientSampleId :
VX1006MBL01

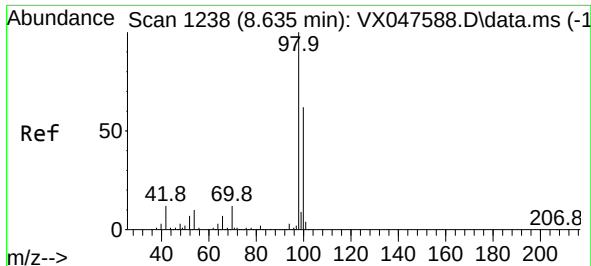
Tgt Ion:117 Resp: 11163
Ion Ratio Lower Upper
117 100
119 4.9 73.4 110.2#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 0.275 ug/l
RT: 7.354 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion: 83 Resp: 652
Ion Ratio Lower Upper
83 100
55 115.8 66.4 99.6#
98 29.7 38.1 57.1#

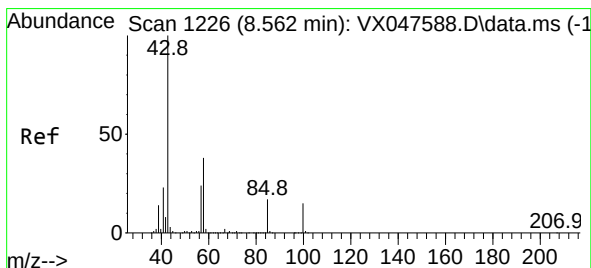
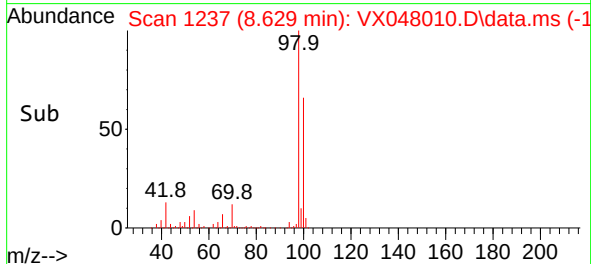
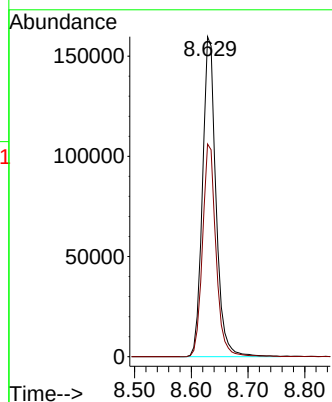
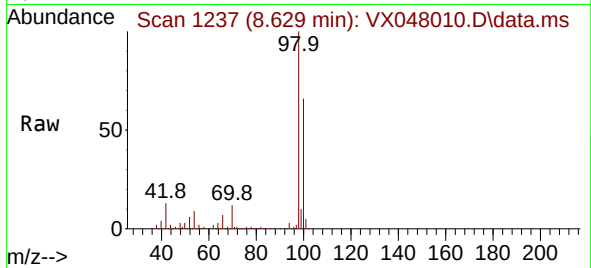




#50
Toluene-d8
Concen: 53.307 ug/l
RT: 8.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

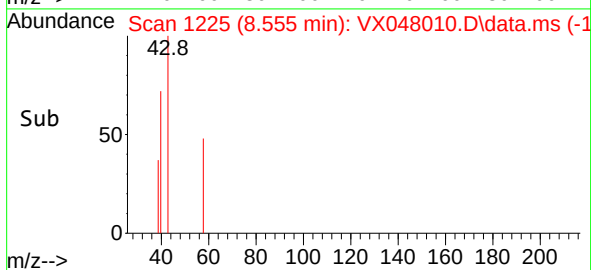
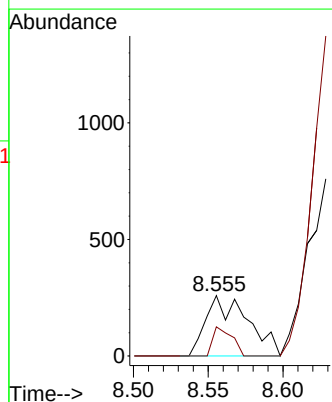
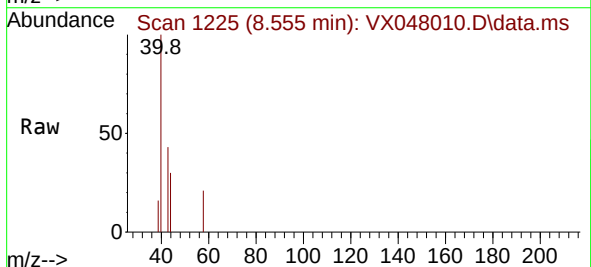
Instrument :
MSVOA_X
ClientSampleId :
VX1006MBL01

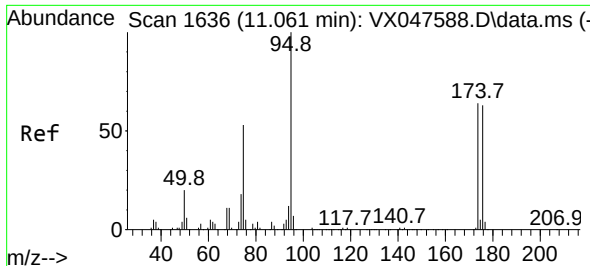
Tgt Ion: 98 Resp: 263593
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.247 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
58 21.9 30.3 45.5#

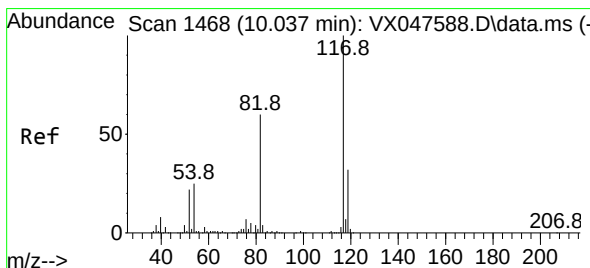
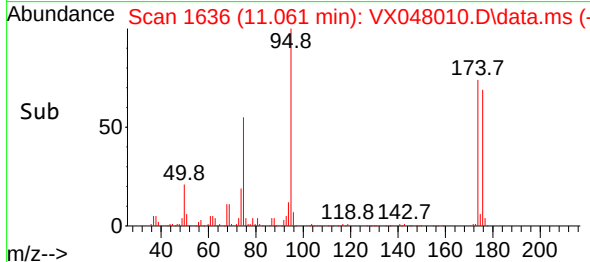
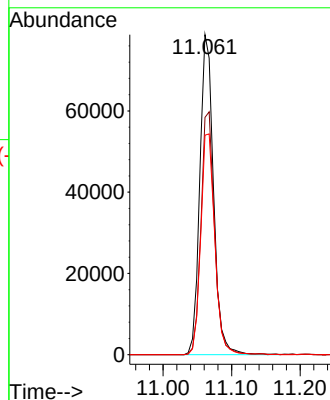
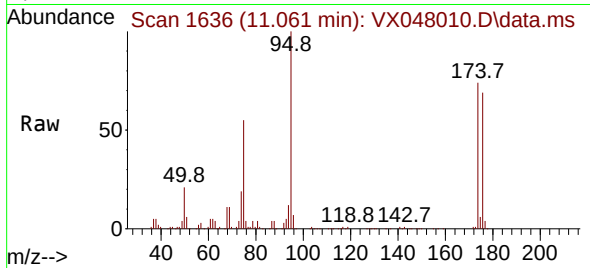




#62
4-Bromofluorobenzene
Concen: 58.423 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

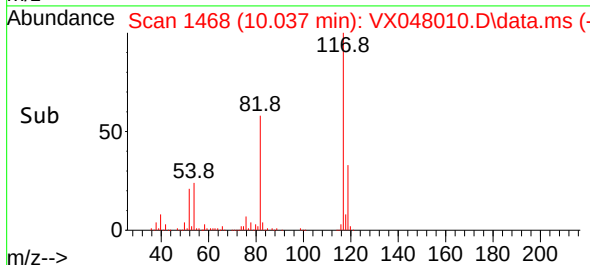
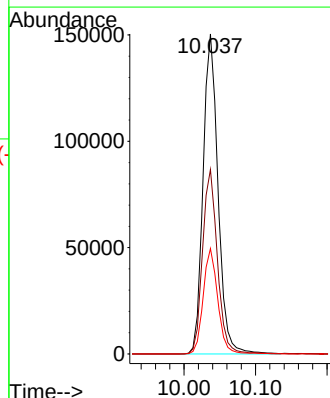
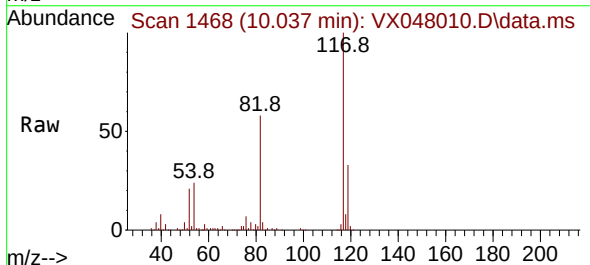
Instrument :
MSVOA_X
ClientSampleId :
VX1006MBL01

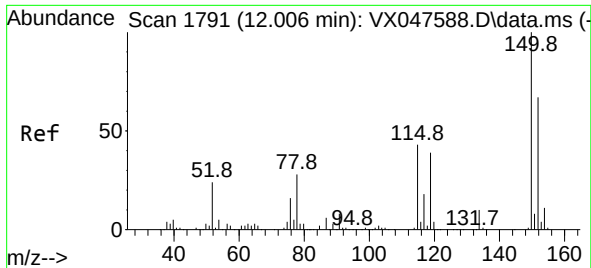
Tgt Ion: 95 Resp: 109639
Ion Ratio Lower Upper
95 100
174 75.7 0.0 141.6
176 71.0 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion: 117 Resp: 218675
Ion Ratio Lower Upper
117 100
82 57.7 47.8 71.6
119 33.0 25.2 37.8

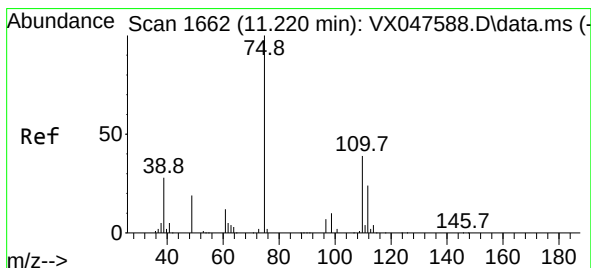
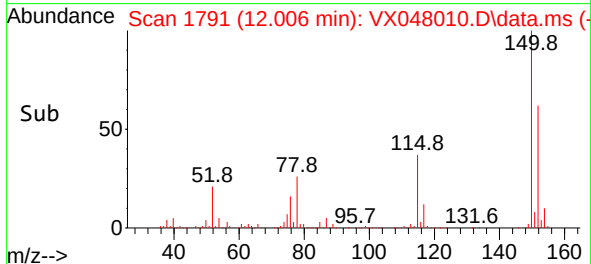
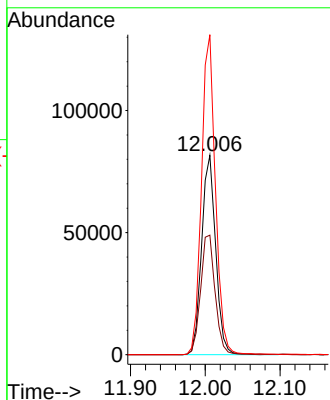
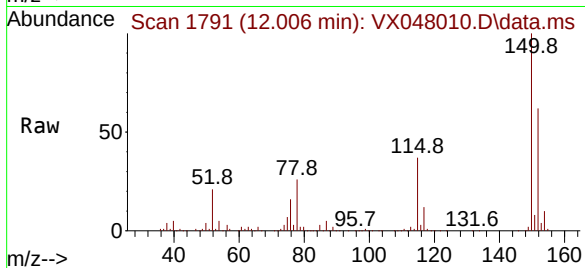




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

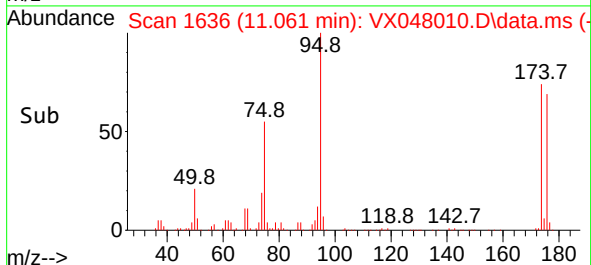
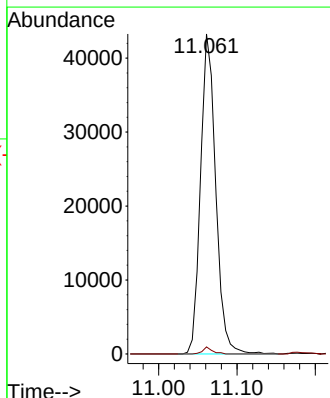
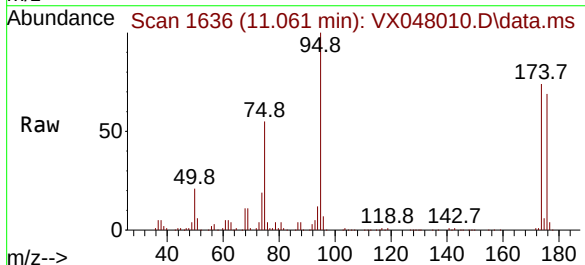
Instrument :
MSVOA_X
ClientSampleId :
VX1006MBL01

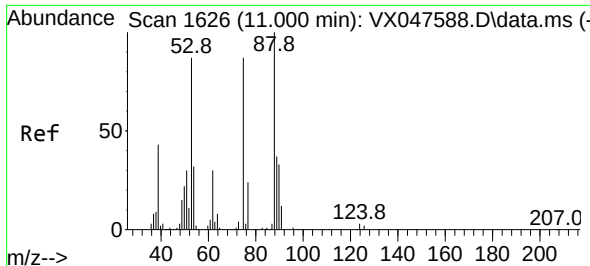
Tgt Ion:152 Resp: 106799
Ion Ratio Lower Upper
152 100
115 62.0 44.9 134.5
150 158.8 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 26.986 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion: 75 Resp: 58354
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#

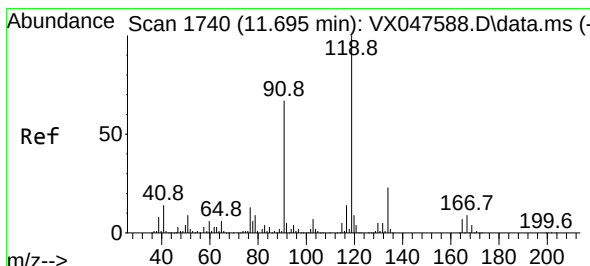
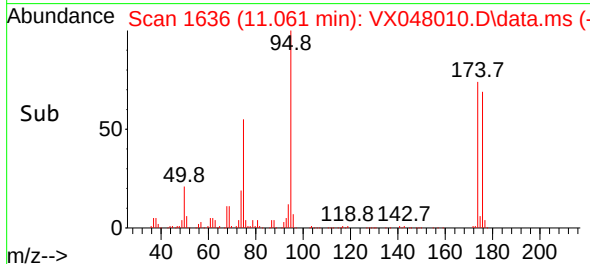
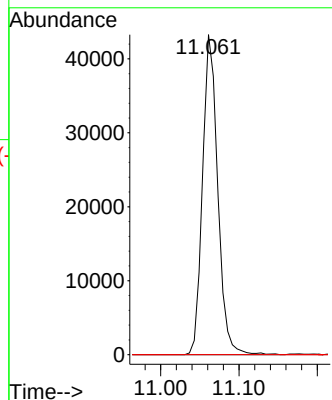
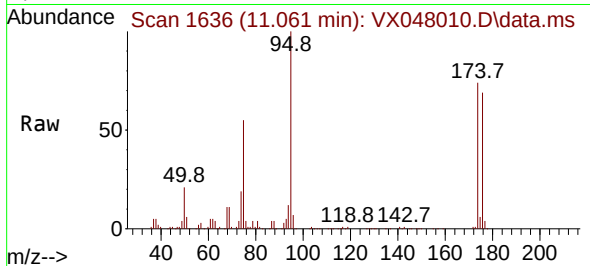




#81
trans-1,4-Dichloro-2-butene
Concen: 68.819 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

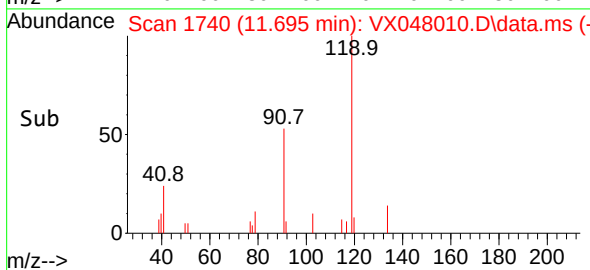
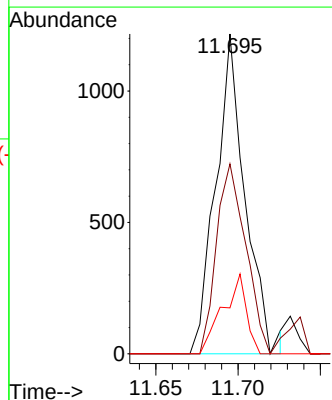
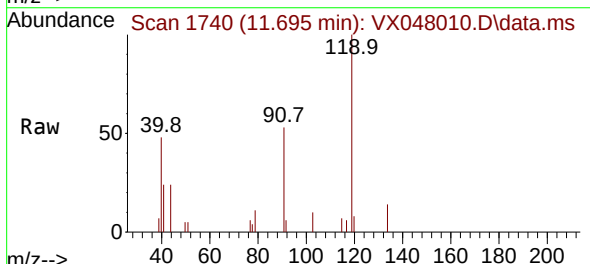
Instrument :
MSVOA_X
ClientSampleId :
VX1006MBL01

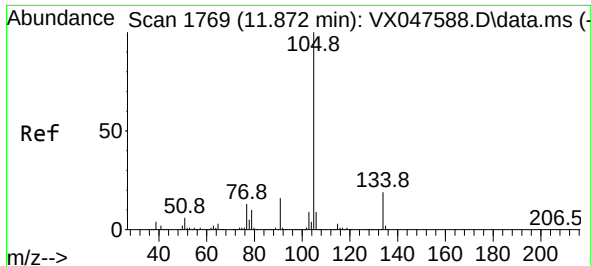
Tgt Ion: 75 Resp: 58354
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#83
tert-Butylbenzene
Concen: 0.221 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion: 119 Resp: 1510
Ion Ratio Lower Upper
119 100
91 59.1 29.6 88.8
134 20.0 11.0 33.0

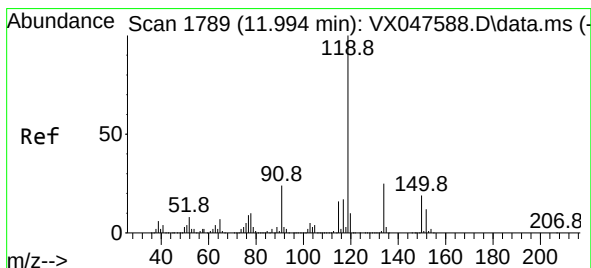
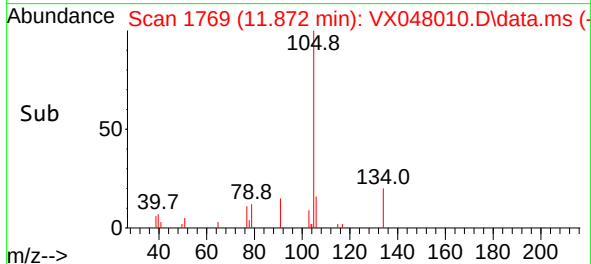
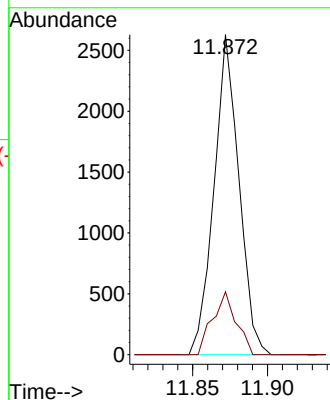
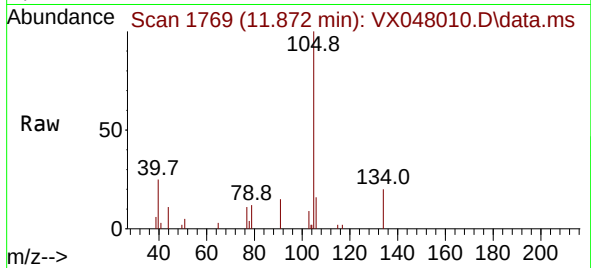




#85
 sec-Butylbenzene
 Concen: 0.375 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. 0.000 min
 Lab File: VX048010.D
 Acq: 06 Oct 2025 09:23

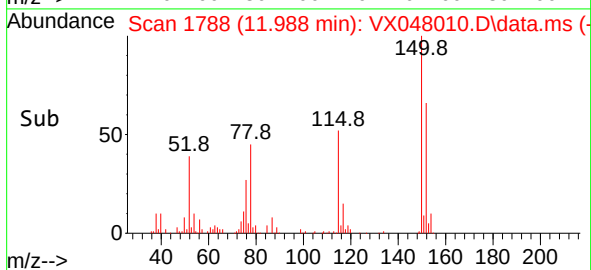
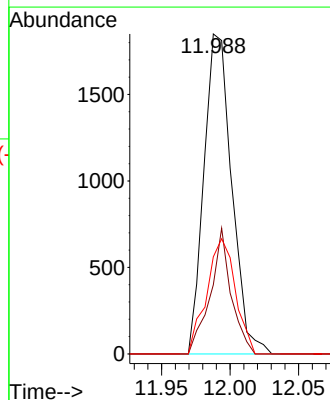
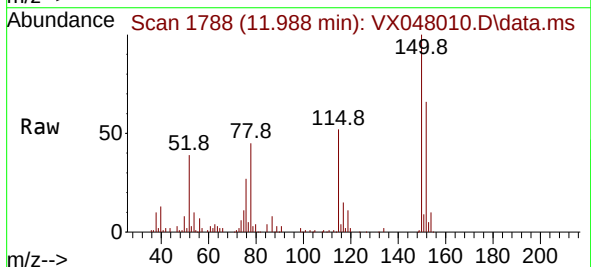
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1006MBL01

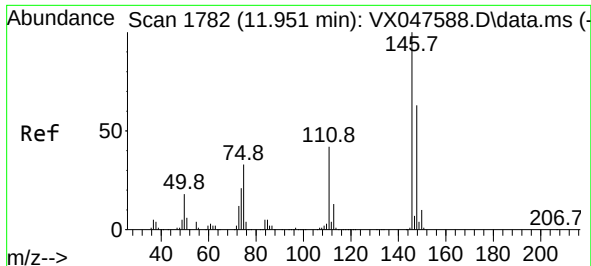
Tgt Ion:105 Resp: 3042
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 0.381 ug/l
 RT: 11.988 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: VX048010.D
 Acq: 06 Oct 2025 09:23

Tgt Ion:119 Resp: 2614
 Ion Ratio Lower Upper
 119 100
 134 29.3 12.6 37.8
 91 37.0 12.6 37.6

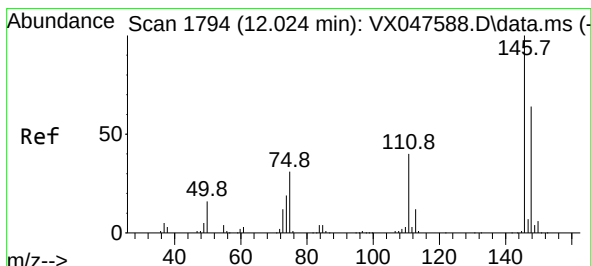
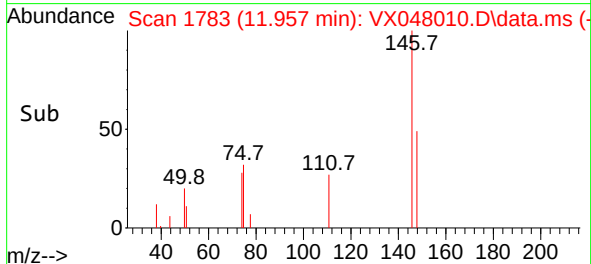
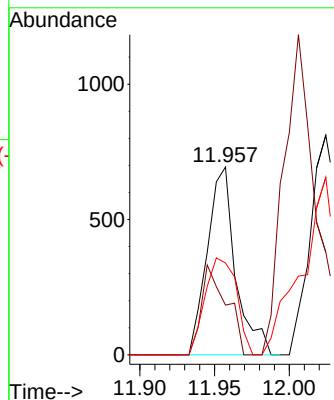
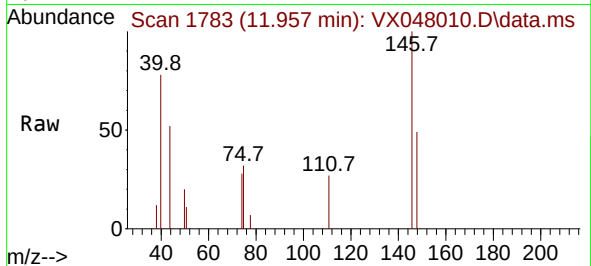




#87
1,3-Dichlorobenzene
Concen: 0.247 ug/l
RT: 11.957 min Scan# 1783
Delta R.T. 0.006 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

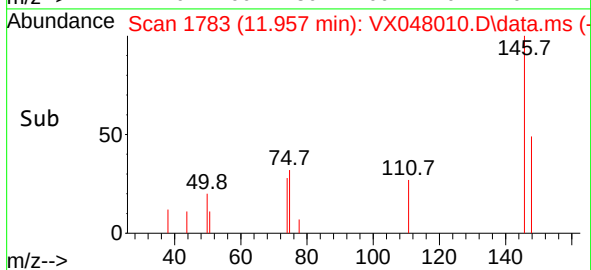
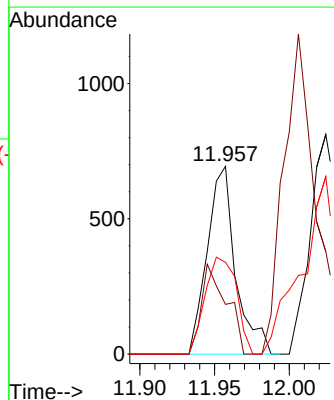
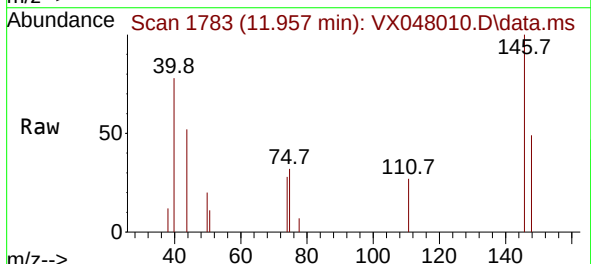
Instrument :
MSVOA_X
ClientSampleId :
VX1006MBL01

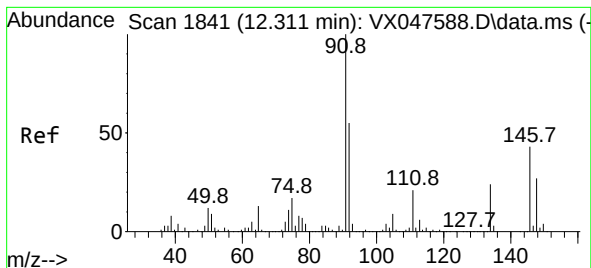
Tgt Ion:146 Resp: 916
Ion Ratio Lower Upper
146 100
111 42.4 21.5 64.5
148 57.1 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.240 ug/l
RT: 11.957 min Scan# 1783
Delta R.T. -0.067 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion:146 Resp: 916
Ion Ratio Lower Upper
146 100
111 42.4 20.8 62.4
148 57.1 31.7 95.1





#89

n-Butylbenzene

Concen: 0.664 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VX048010.D

Acq: 06 Oct 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VX1006MBL01

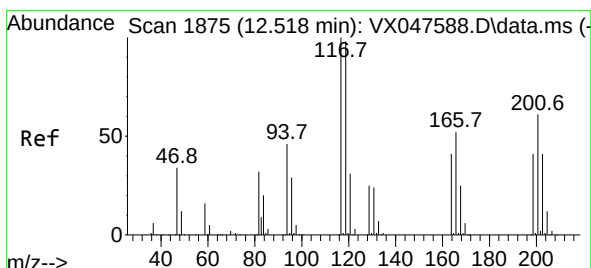
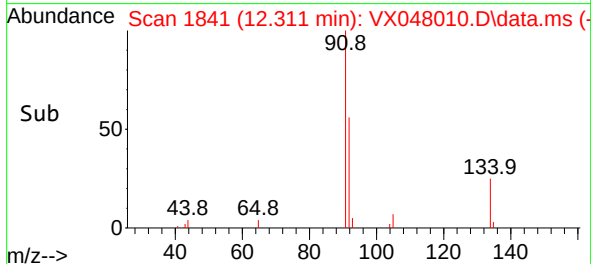
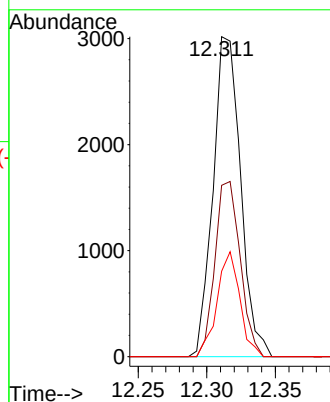
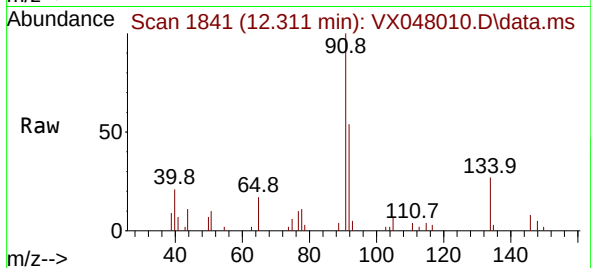
Tgt Ion: 91 Resp: 4218

Ion Ratio Lower Upper

91 100

92 50.1 27.6 82.7

134 27.1 12.6 37.8



#90

Hexachloroethane

Concen: 0.396 ug/l

RT: 12.518 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VX048010.D

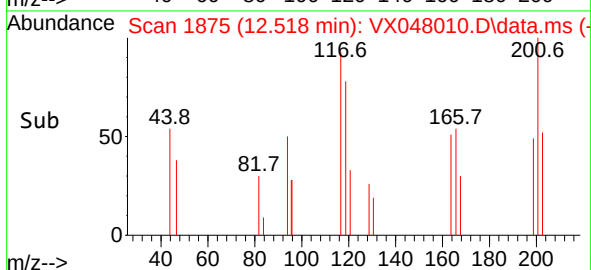
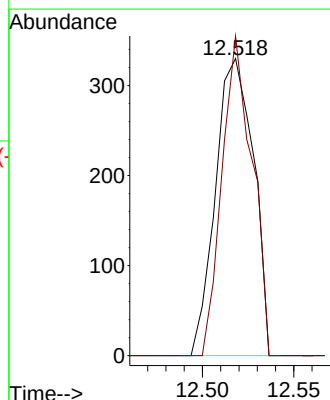
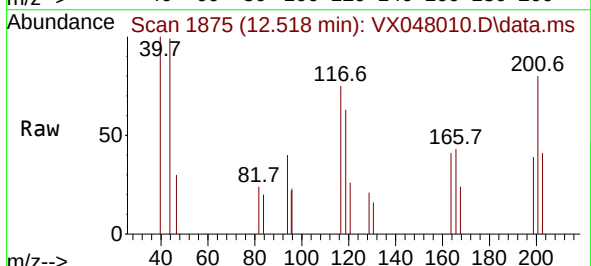
Acq: 06 Oct 2025 09:23

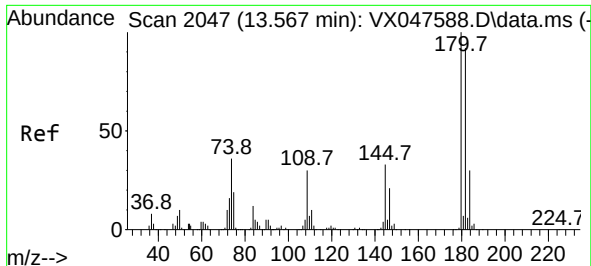
Tgt Ion: 117 Resp: 477

Ion Ratio Lower Upper

117 100

201 85.1 34.2 102.5

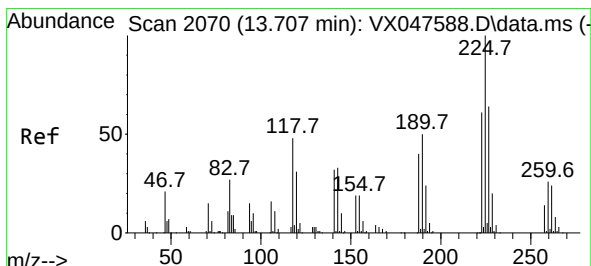
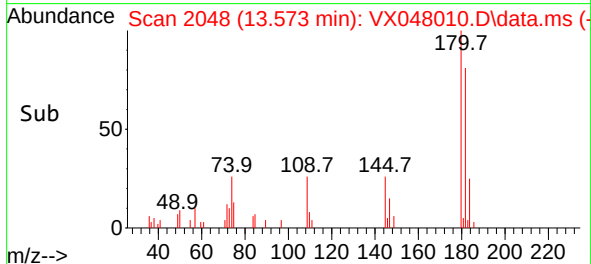
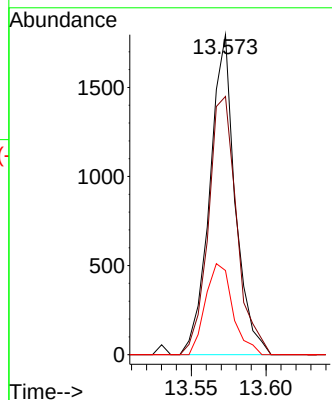
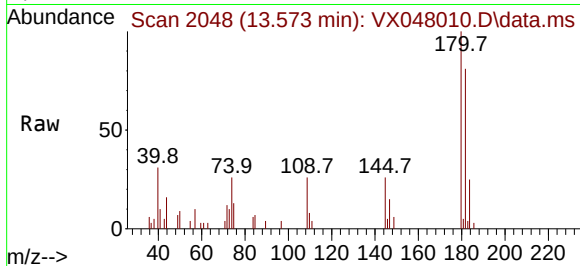




#93
1,2,4-Trichlorobenzene
Concen: 0.924 ug/l
RT: 13.573 min Scan# 2048
Delta R.T. 0.006 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

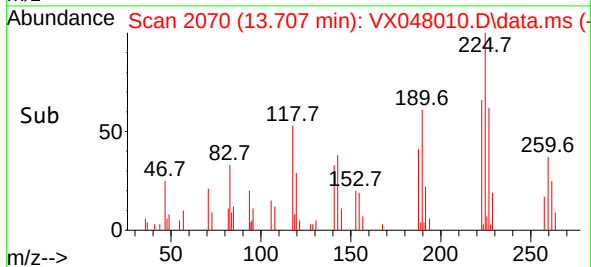
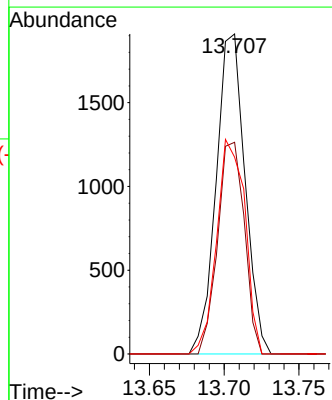
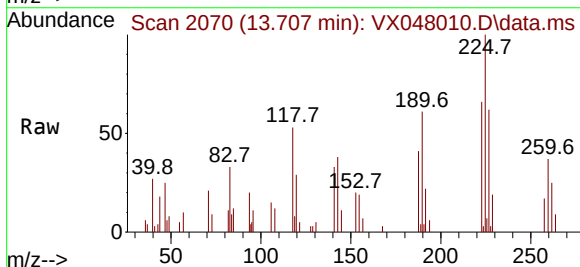
Instrument :
MSVOA_X
ClientSampleId :
VX1006MBL01

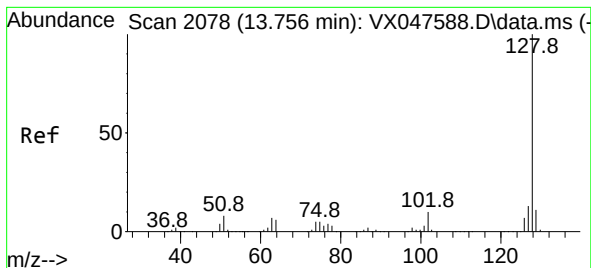
Tgt Ion:180 Resp: 2125
Ion Ratio Lower Upper
180 100
182 89.8 46.6 139.8
145 30.6 16.4 49.1



#94
Hexachlorobutadiene
Concen: 3.281 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion:225 Resp: 2563
Ion Ratio Lower Upper
225 100
223 61.3 31.7 95.1
227 65.6 32.0 96.0

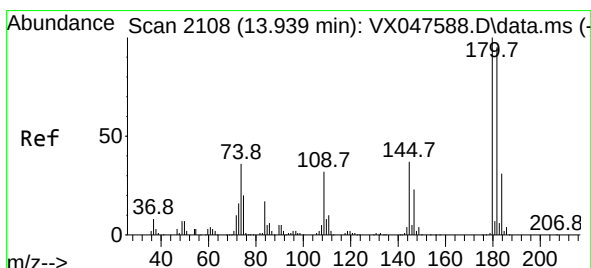
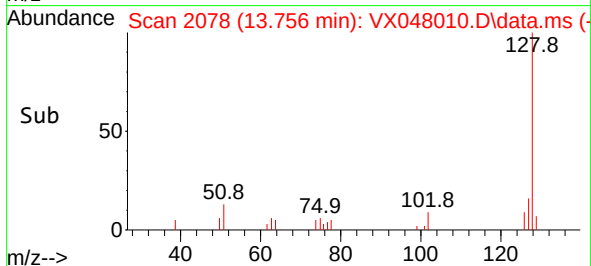
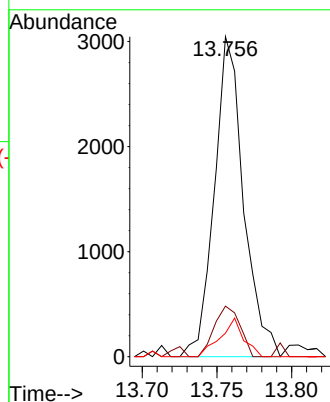
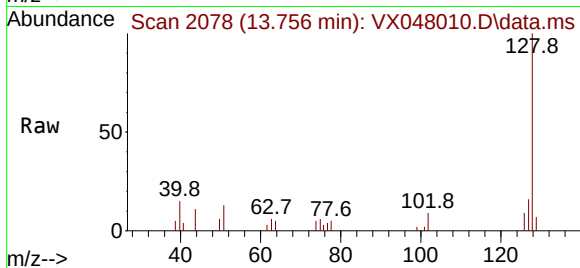




#95
Naphthalene
Concen: 0.591 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. 0.000 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VX1006MBL01

Tgt Ion:	128	Resp:	4141
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.2
129	9.6	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.966 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048010.D
Acq: 06 Oct 2025 09:23

Tgt Ion:	180	Resp:	2067
Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.6	142.8
145	38.6	17.9	53.7

