

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100925\
 Data File : VX048077.D
 Acq On : 09 Oct 2025 11:50
 Operator : JC/MD
 Sample : PB170028TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB170028TB

Quant Time: Oct 10 01:19:49 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)

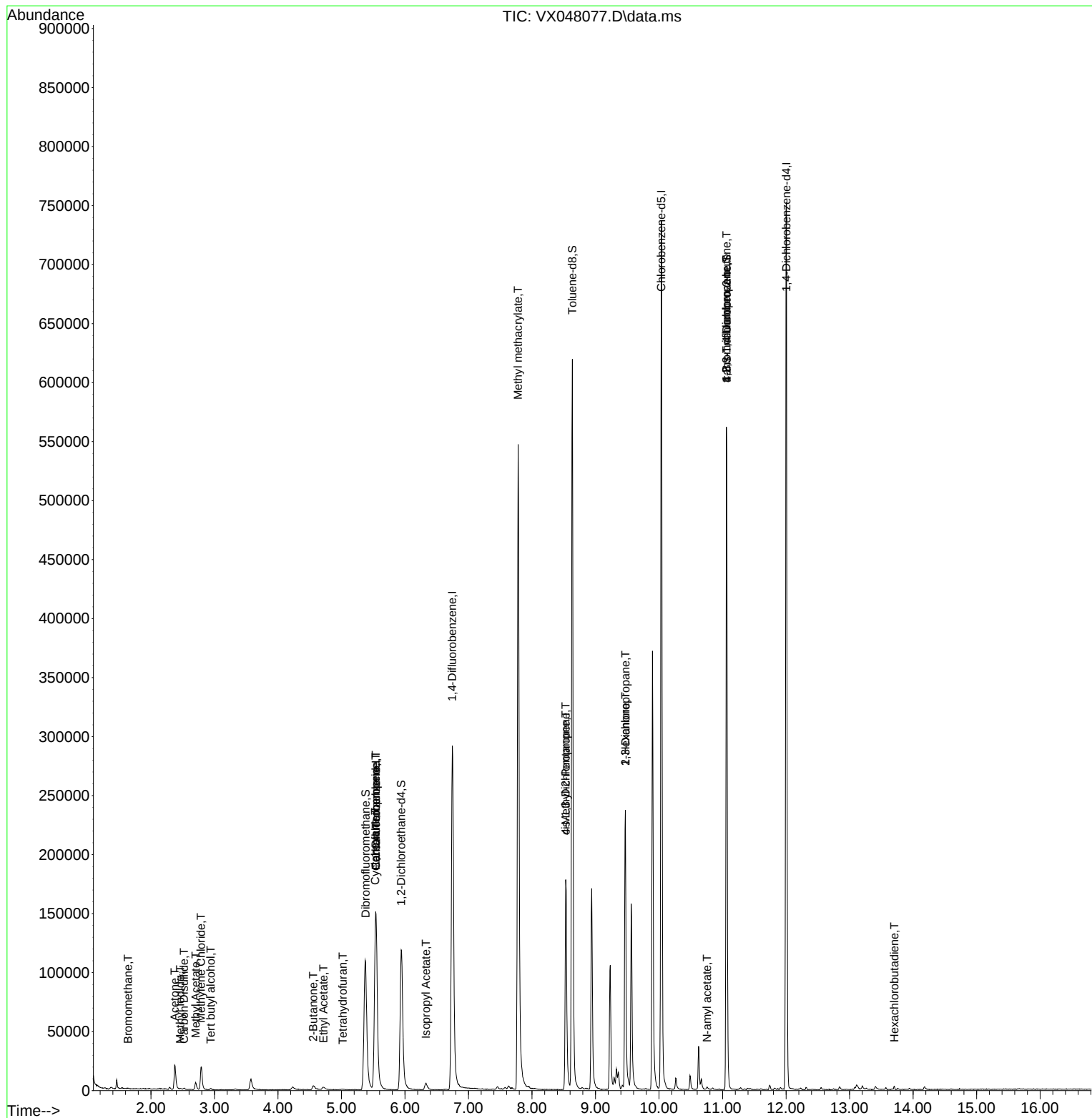
Internal Standards						
1) Pentafluorobenzene	5.544	168	152518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	316853	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	328278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	163237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	132124	54.423	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.840%
35) Dibromofluoromethane	5.379	113	106226	49.989	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.980%
50) Toluene-d8	8.634	98	373107	50.743	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.480%
62) 4-Bromofluorobenzene	11.061	95	158488	56.794	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.580%
Target Compounds						
						Qvalue
5) Bromomethane	1.636	94	329	0.255	ug/l	93
10) Methyl Iodide	2.459	142	825	0.300	ug/l #	70
11) Tert butyl alcohol	2.940	59	608	2.249	ug/l #	72
16) Acetone	2.373	43	27175	25.744	ug/l	98
17) Carbon Disulfide	2.520	76	1095	0.221	ug/l #	95
18) Methyl Acetate	2.703	43	9123	3.883	ug/l	99
20) Methylene Chloride	2.788	84	9654	4.321	ug/l	95
25) 2-Butanone	4.556	43	6431	4.884	ug/l	93
29) Tetrahydrofuran	5.019	42	463	0.585	ug/l #	56
31) Cyclohexane	5.531	56	3356	1.046	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	12887	4.150	ug/l #	50
37) Ethyl Acetate	4.714	43	4388	1.320	ug/l #	94
38) Carbon Tetrachloride	5.544	117	16696	4.949	ug/l #	19
43) Isopropyl Acetate	6.330	43	9210	1.689	ug/l #	92
48) Methyl methacrylate	7.781	41	54985	20.244	ug/l #	48
51) 4-Methyl-2-Pentanone	8.531	43	71022	23.492	ug/l #	50
54) cis-1,3-Dichloropropene	8.531	75	30707	7.767	ug/l #	65
57) 1,3-Dichloropropane	9.470	76	2102	0.546	ug/l #	42
59) 2-Hexanone	9.470	43	30653	14.117	ug/l #	54
74) N-amyl acetate	10.756	43	1620	0.286	ug/l #	51
76) 1,2,3-Trichloropropane	11.061	75	83409	25.237	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	83409	64.358	ug/l #	8
94) Hexachlorobutadiene	13.707	225	417	0.349	ug/l	93

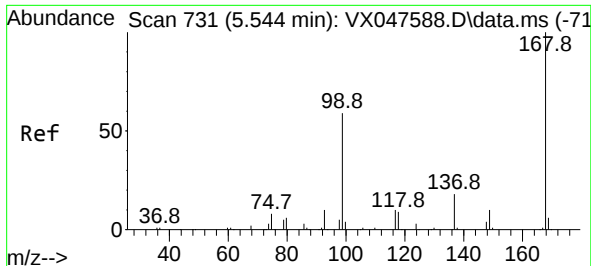
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

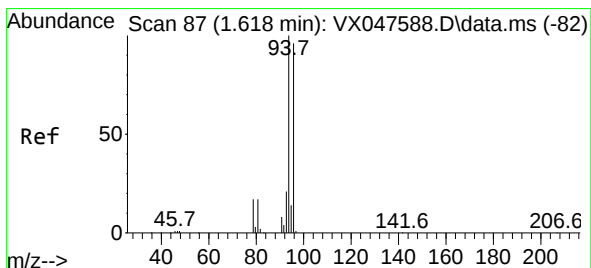
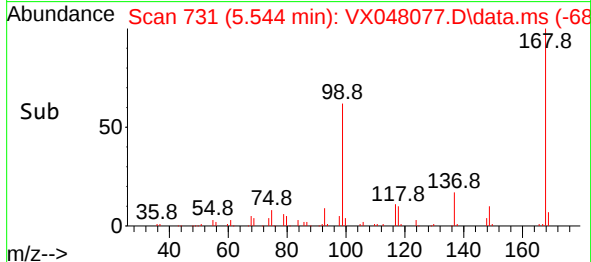
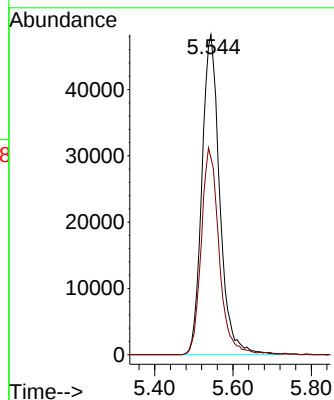
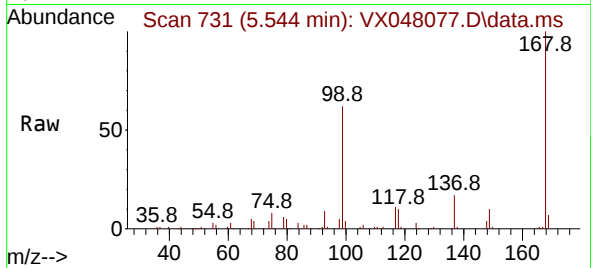




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

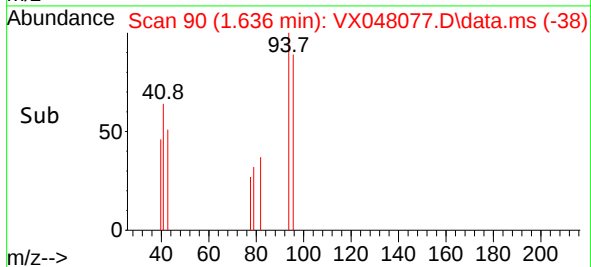
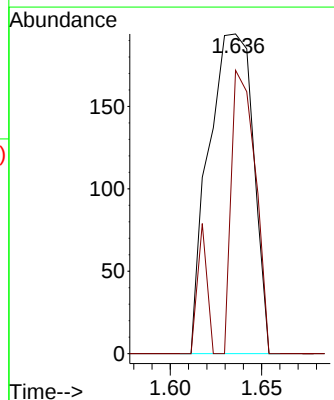
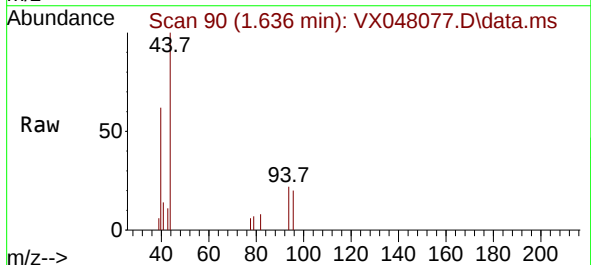
Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

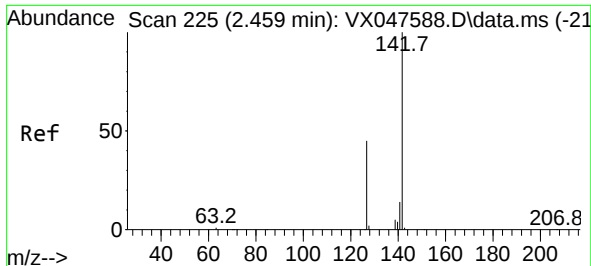
Tgt Ion:168 Resp: 152518
Ion Ratio Lower Upper
168 100
99 61.5 48.8 73.2



#5
Bromomethane
Concen: 0.255 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.018 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion: 94 Resp: 329
Ion Ratio Lower Upper
94 100
96 88.7 76.6 115.0

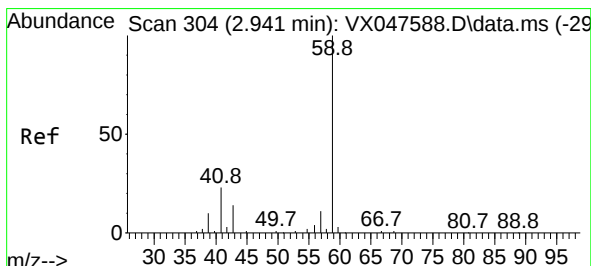
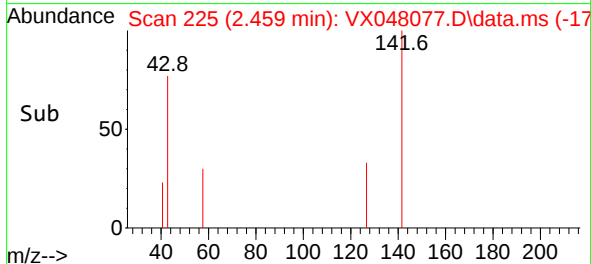
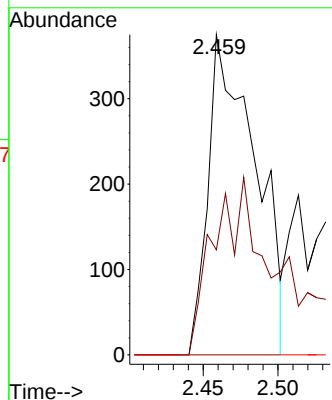
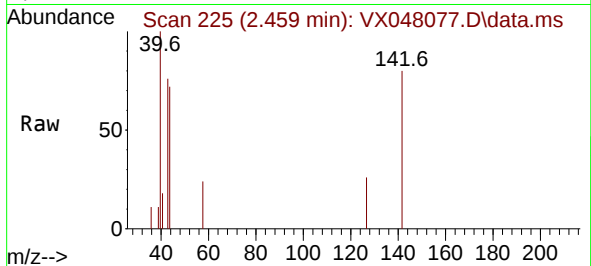




#10
Methyl Iodide
Concen: 0.300 ug/l
RT: 2.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

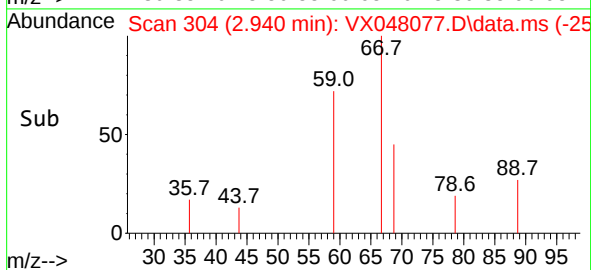
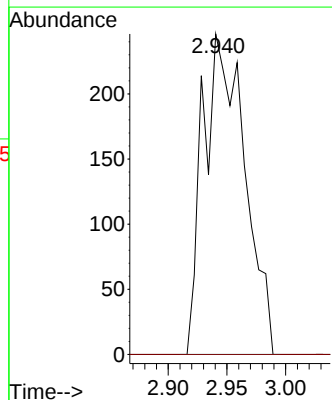
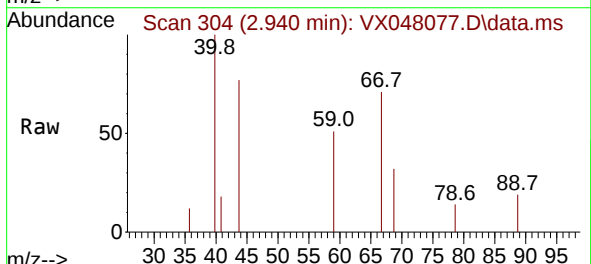
Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

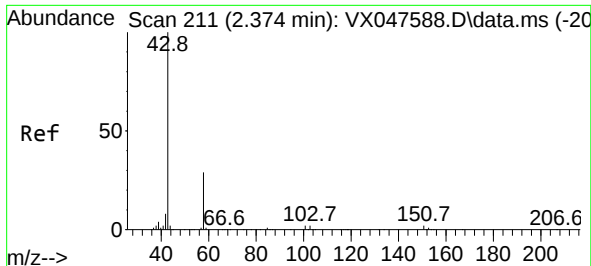
Tgt Ion:142 Resp: 825
Ion Ratio Lower Upper
142 100
127 27.9 37.2 55.8#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.249 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion: 59 Resp: 608
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

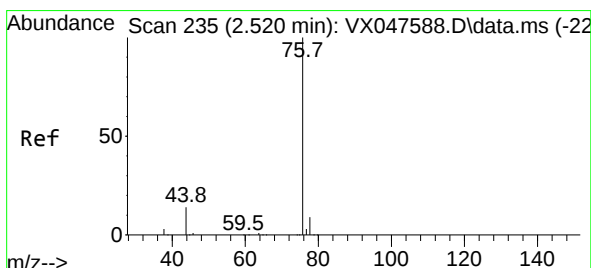
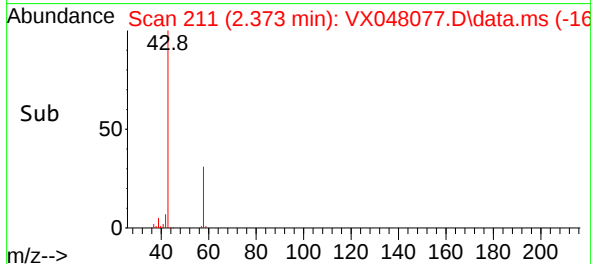
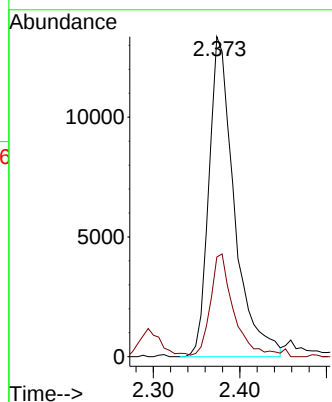
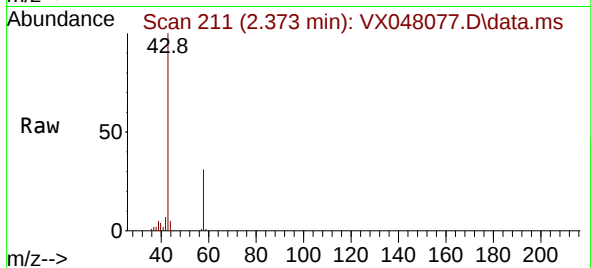




#16
Acetone
Concen: 25.744 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

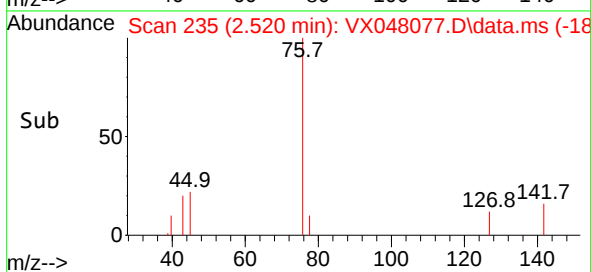
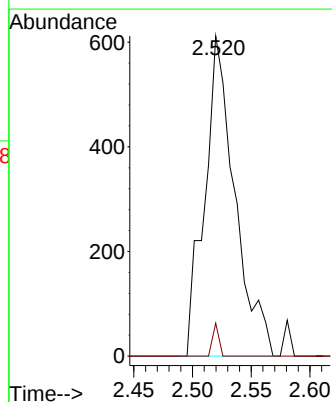
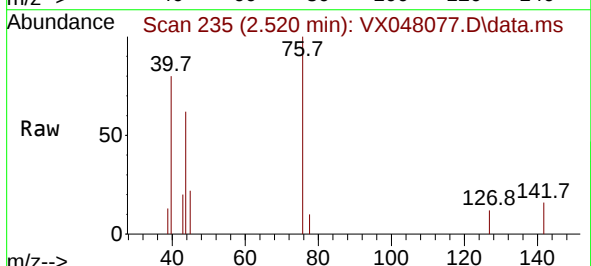
Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

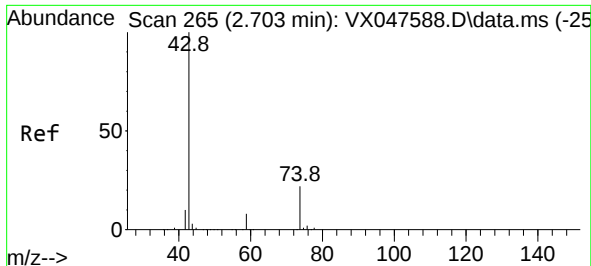
Tgt Ion: 43 Resp: 27175
Ion Ratio Lower Upper
43 100
58 30.1 23.4 35.0



#17
Carbon Disulfide
Concen: 0.221 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion: 76 Resp: 1095
Ion Ratio Lower Upper
76 100
78 10.3 6.8 10.2#

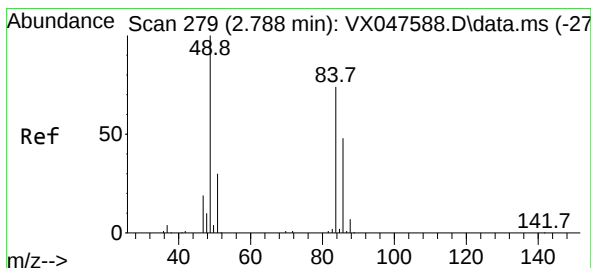
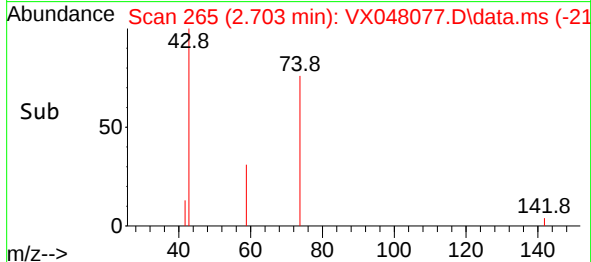
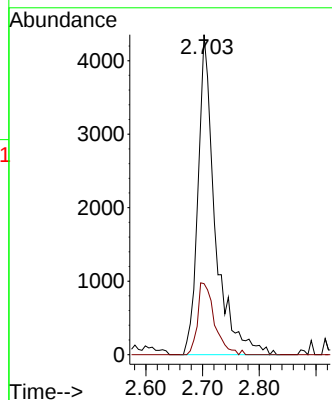
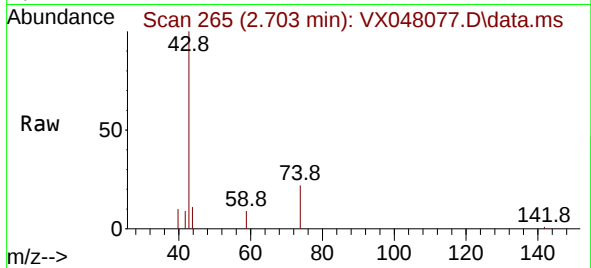




#18
Methyl Acetate
Concen: 3.883 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

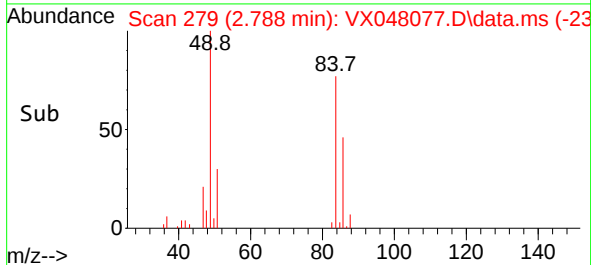
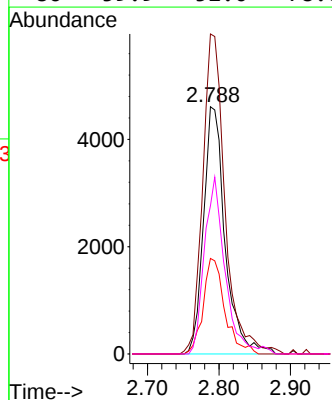
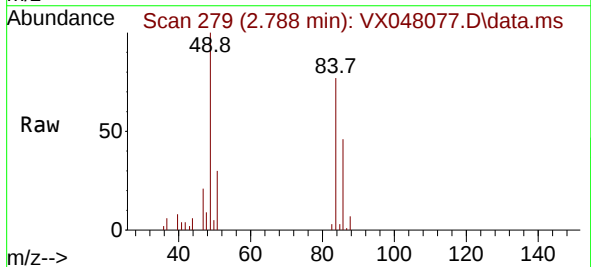
Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

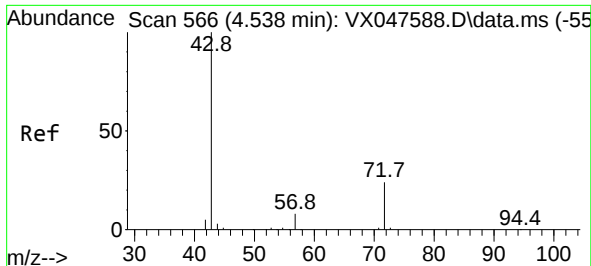
Tgt Ion: 43 Resp: 9123
Ion Ratio Lower Upper
43 100
74 22.1 17.4 26.2



#20
Methylene Chloride
Concen: 4.321 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion: 84 Resp: 9654
Ion Ratio Lower Upper
84 100
49 129.4 108.6 162.8
51 38.6 32.6 48.8
86 59.9 52.0 78.0

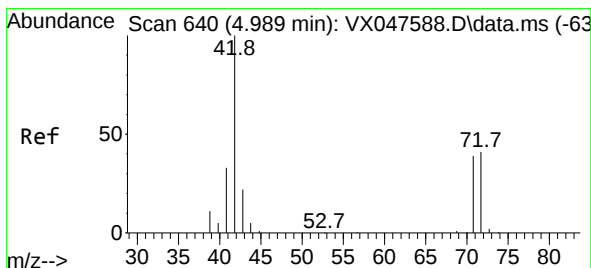
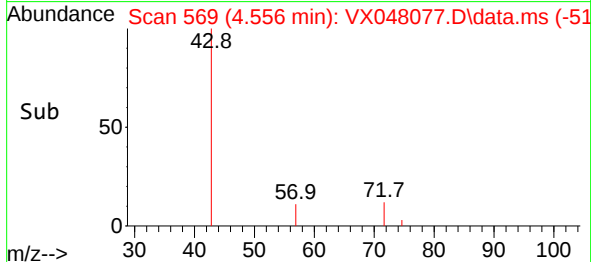
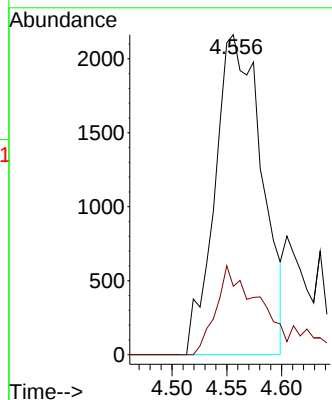
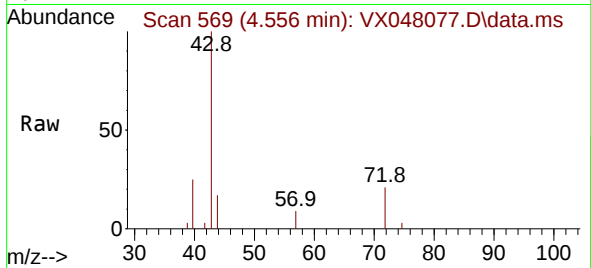




#25
2-Butanone
Concen: 4.884 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.018 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

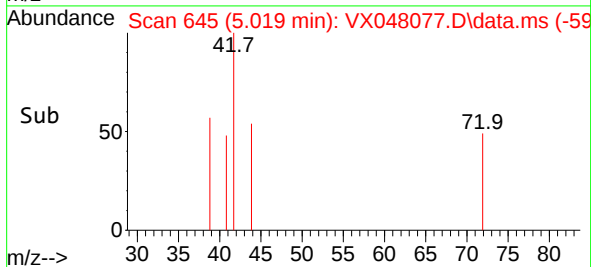
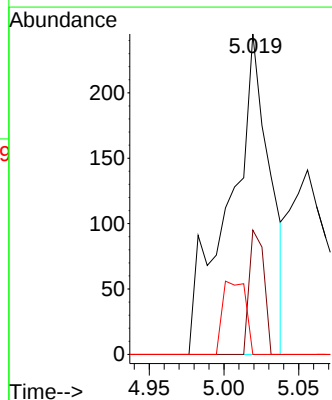
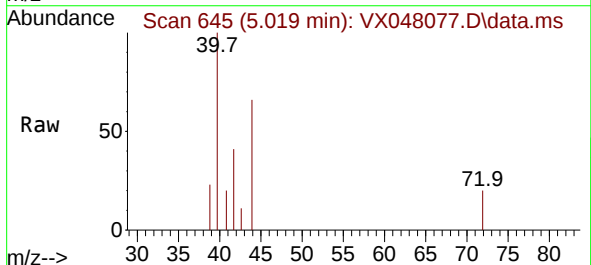
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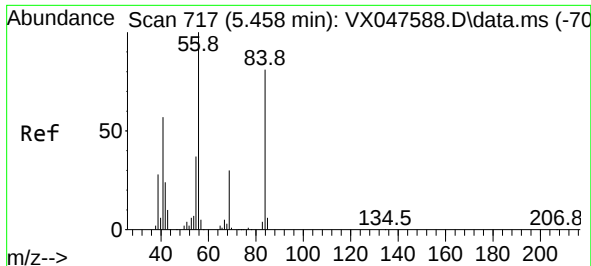
Tgt Ion: 43 Resp: 6431
Ion Ratio Lower Upper
43 100
72 21.4 20.1 30.1



#29
Tetrahydrofuran
Concen: 0.585 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.030 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion: 42 Resp: 463
Ion Ratio Lower Upper
42 100
72 14.0 34.2 51.2#
71 13.0 31.9 47.9#

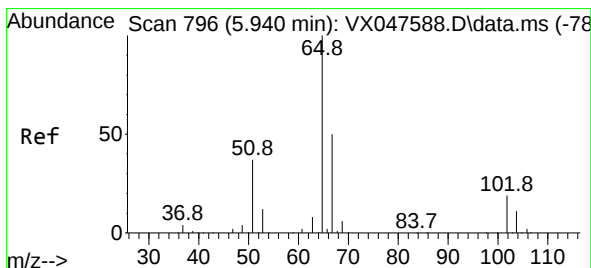
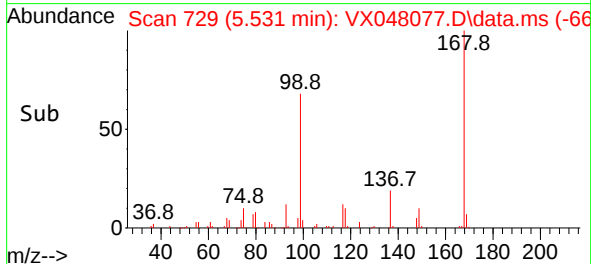
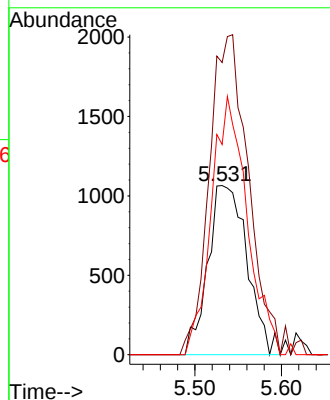
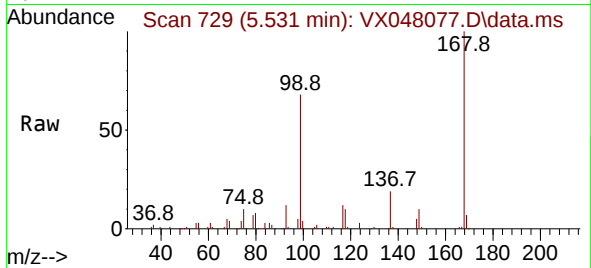




#31
Cyclohexane
Concen: 1.046 ug/l
RT: 5.531 min Scan# 717
Delta R.T. 0.073 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

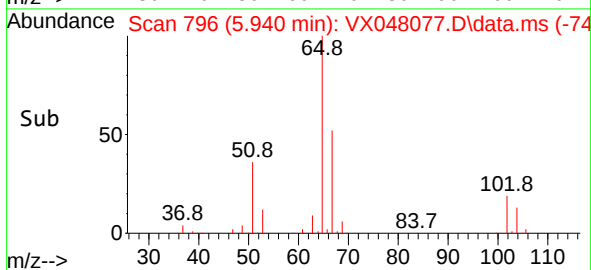
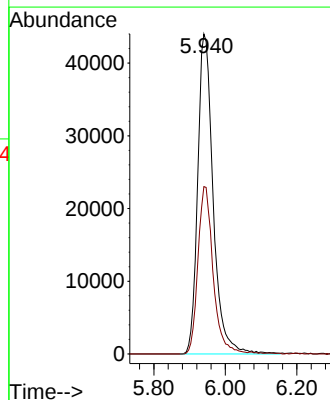
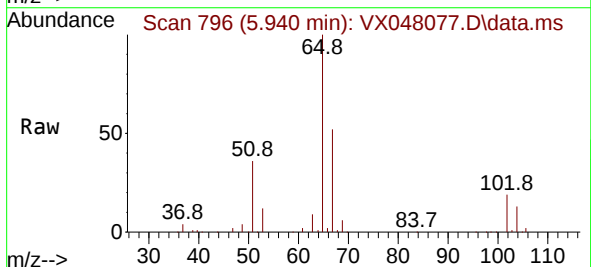
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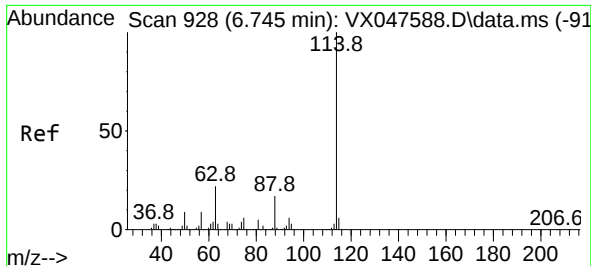
Tgt Ion: 56 Resp: 3356
Ion Ratio Lower Upper
56 100
69 172.8 23.8 35.8#
84 124.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 54.423 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion: 65 Resp: 132124
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0

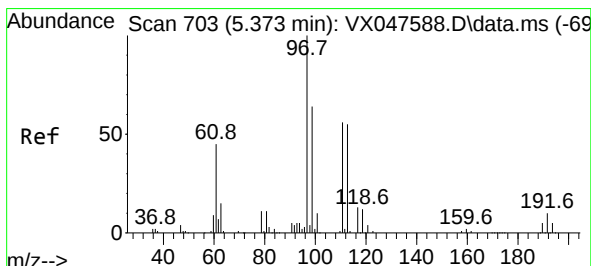
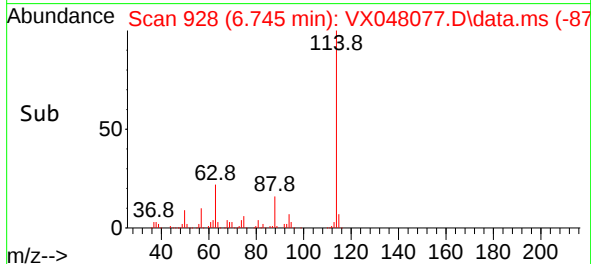
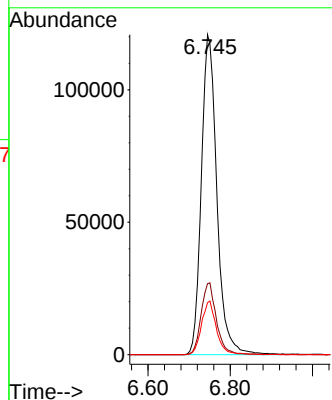
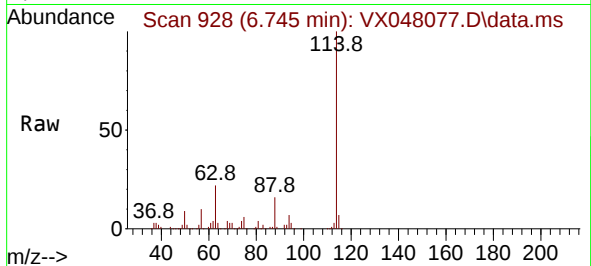




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

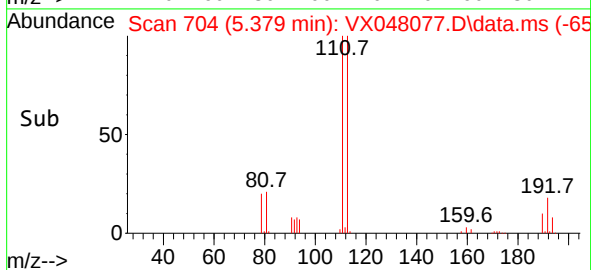
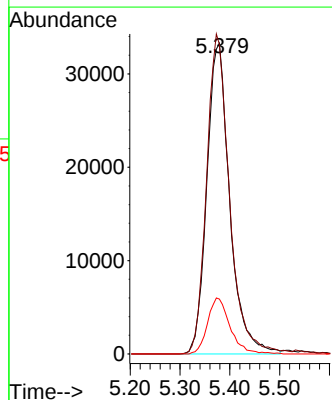
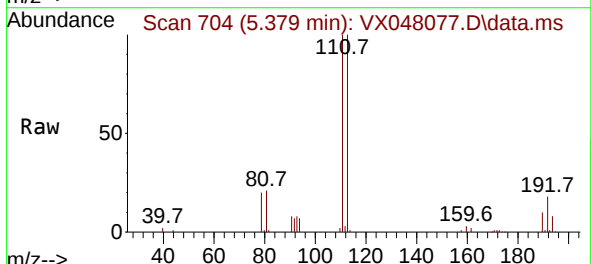
Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

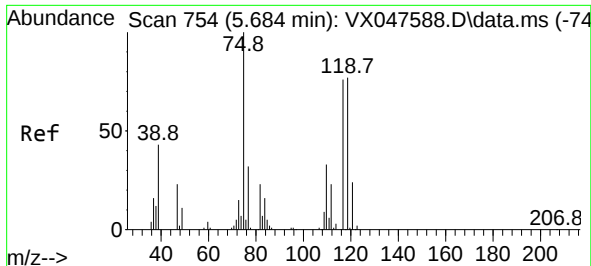
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Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.0
88 16.3 0.0 34.2



#35
Dibromofluoromethane
Concen: 49.989 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion:113 Resp: 106226
Ion Ratio Lower Upper
113 100
111 103.1 80.9 121.3
192 17.8 14.2 21.4

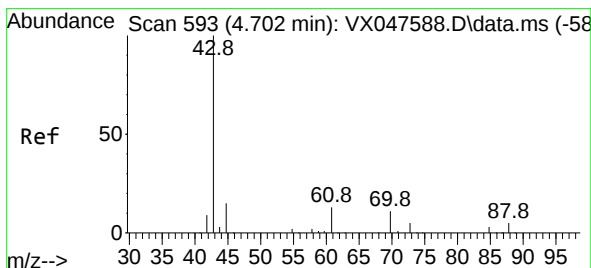
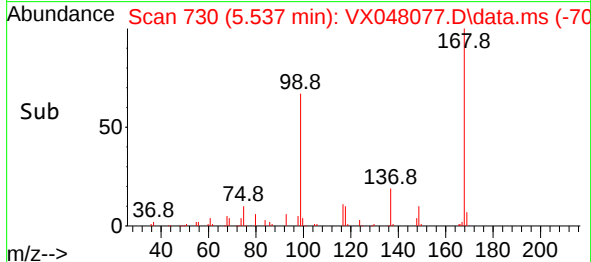
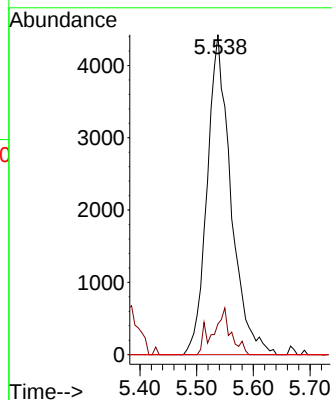
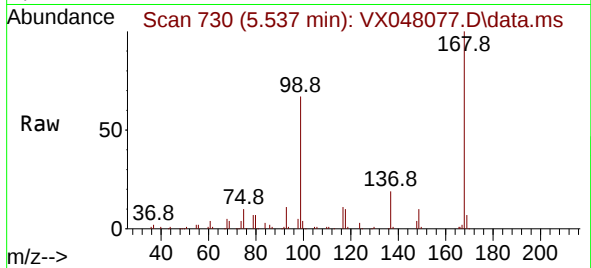




#36
1,1-Dichloropropene
Concen: 4.150 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

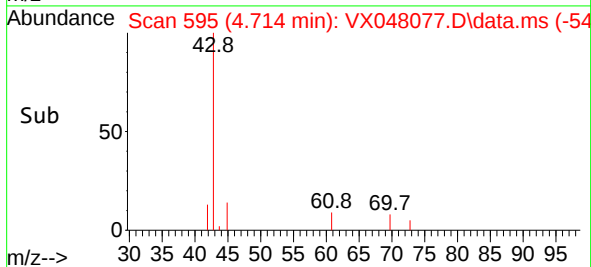
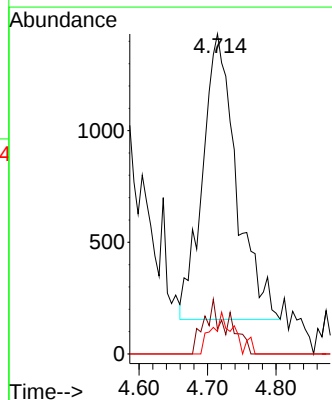
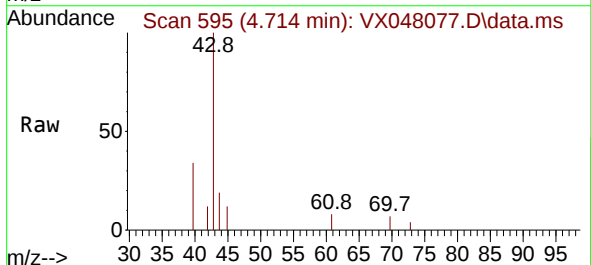
Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

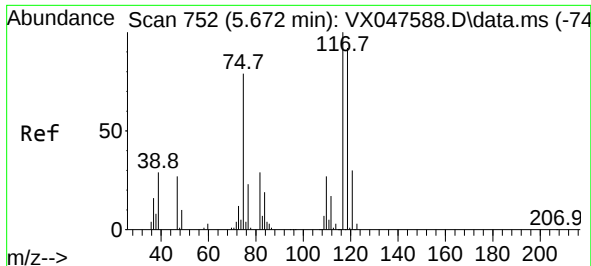
Tgt Ion: 75 Resp: 12887
Ion Ratio Lower Upper
75 100
110 8.3 16.7 50.1#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 1.320 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

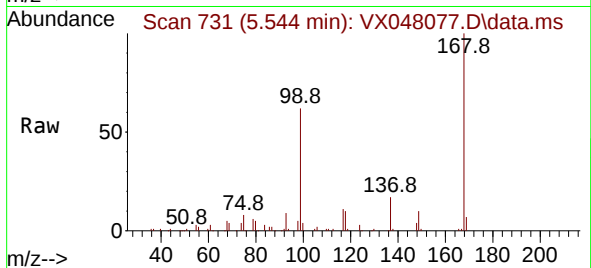
Tgt Ion: 43 Resp: 4388
Ion Ratio Lower Upper
43 100
61 9.2 9.8 14.8#
70 8.5 7.9 11.9



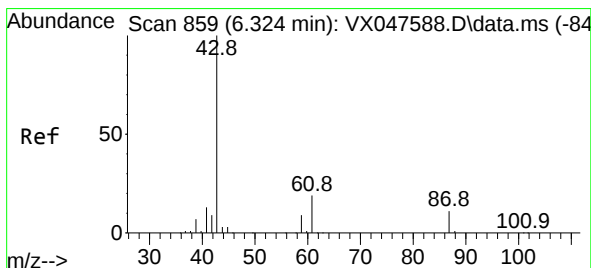
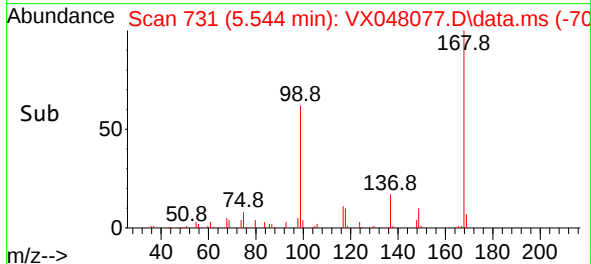
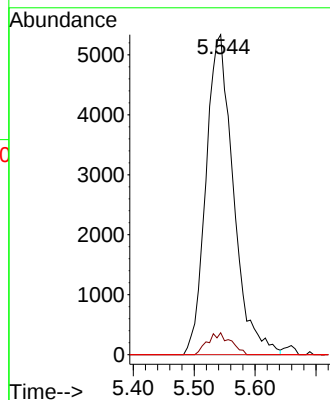


#38
Carbon Tetrachloride
Concen: 4.949 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

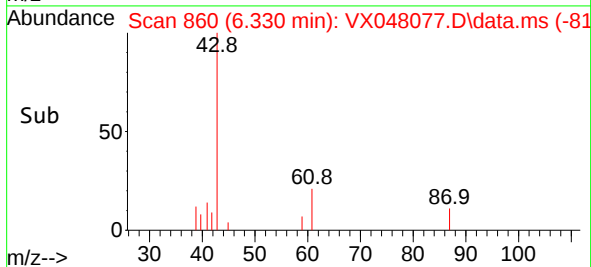
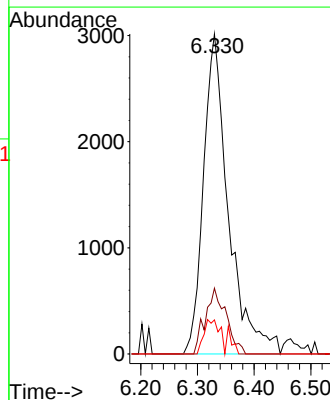
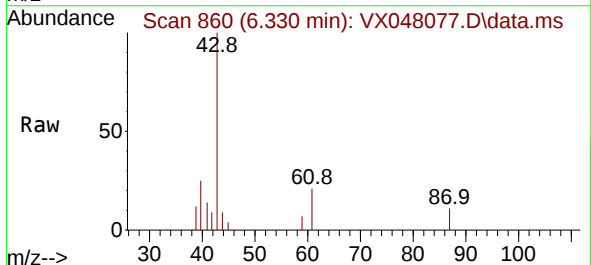


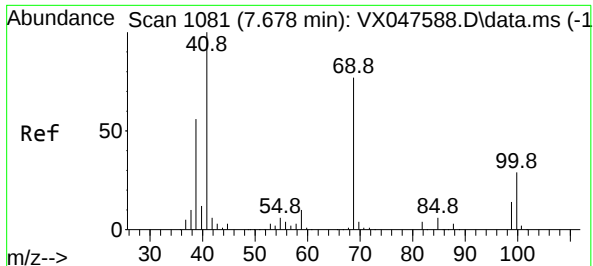
Tgt Ion:117 Resp: 16696
Ion Ratio Lower Upper
117 100
119 6.9 73.4 110.2#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 1.689 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion: 43 Resp: 9210
Ion Ratio Lower Upper
43 100
61 17.2 15.2 22.8
87 6.7 9.6 14.4#

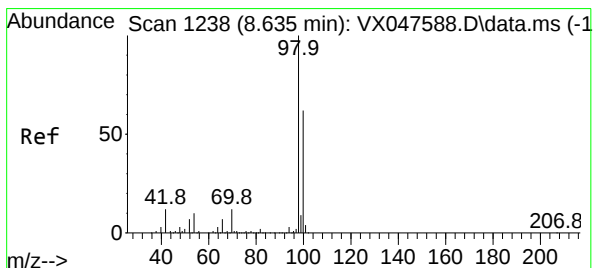
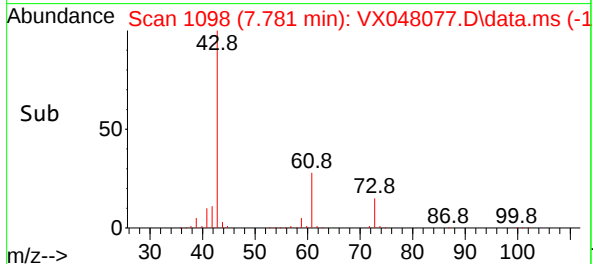
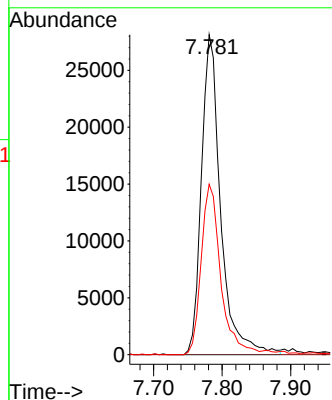
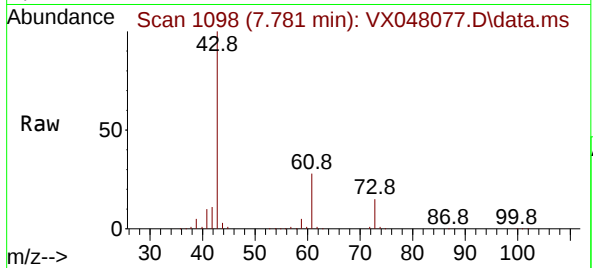




#48
Methyl methacrylate
Concen: 20.244 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.103 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

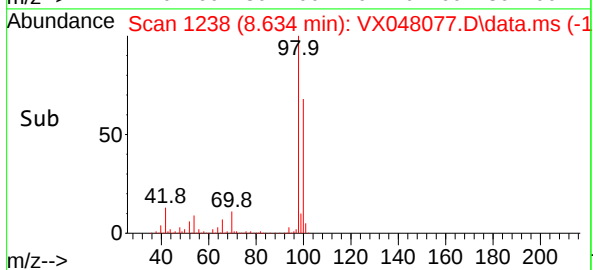
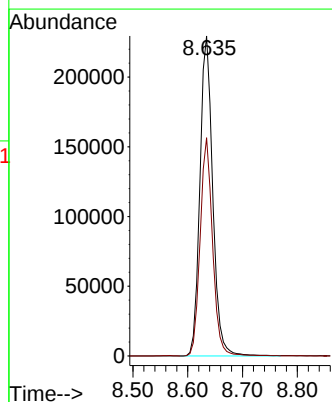
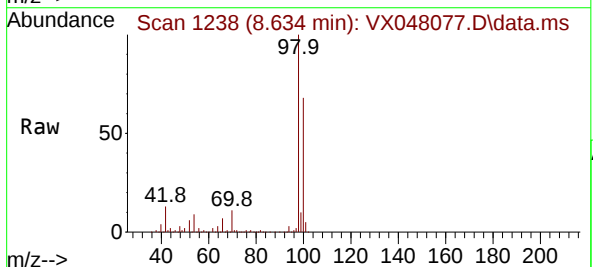
Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

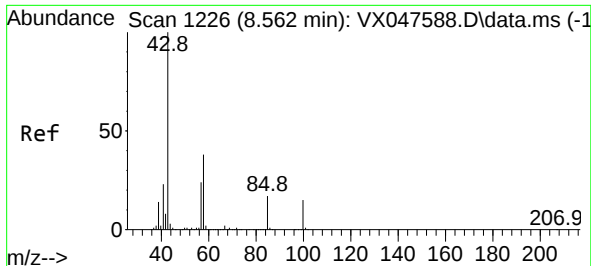
Tgt Ion: 41 Resp: 54985
Ion Ratio Lower Upper
41 100
69 0.0 61.4 92.2#
39 54.8 45.8 68.6



#50
Toluene-d8
Concen: 50.743 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion: 98 Resp: 373107
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4

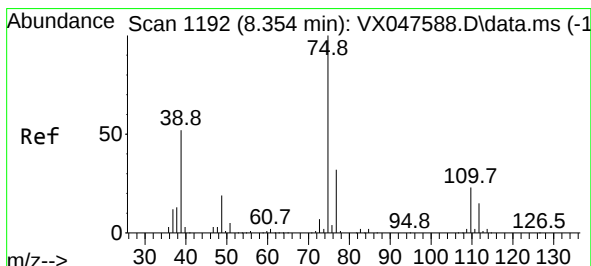
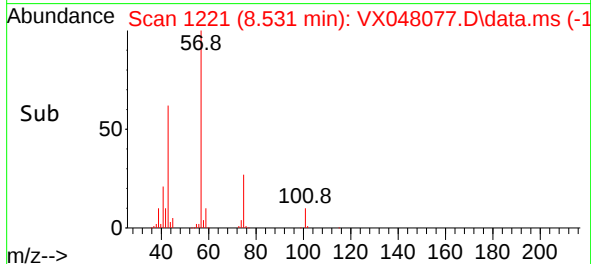
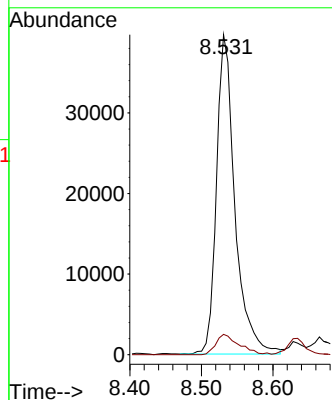
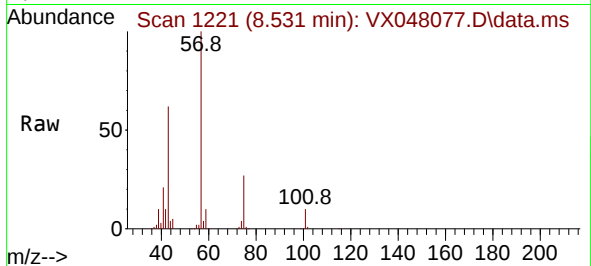




#51
4-Methyl-2-Pentanone
Concen: 23.492 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. -0.031 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

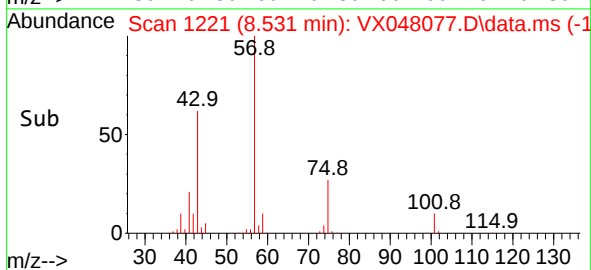
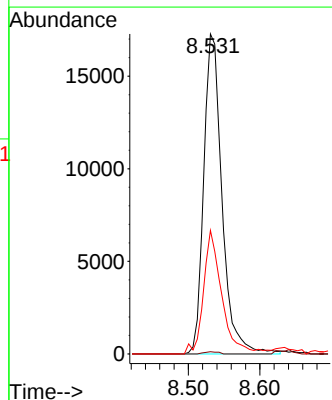
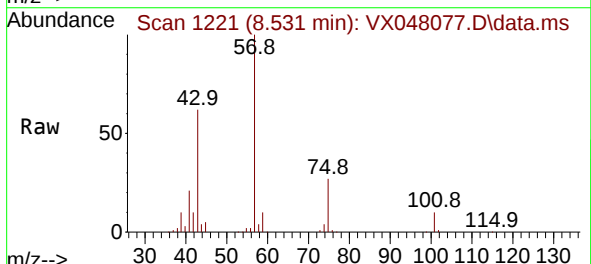
Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

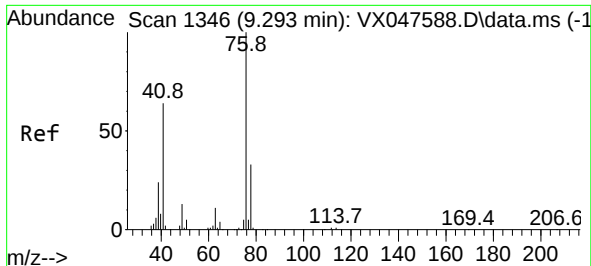
Tgt Ion: 43 Resp: 71022
Ion Ratio Lower Upper
43 100
58 8.0 30.3 45.5#



#54
cis-1,3-Dichloropropene
Concen: 7.767 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. 0.177 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion: 75 Resp: 30707
Ion Ratio Lower Upper
75 100
77 0.7 25.8 38.6#
39 36.7 41.4 62.2#

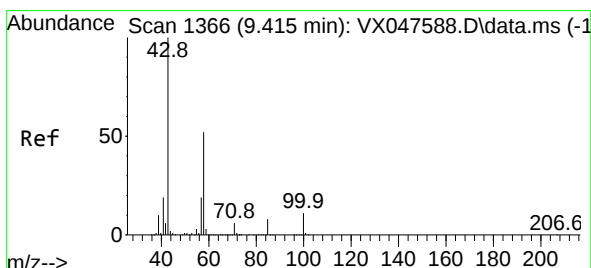
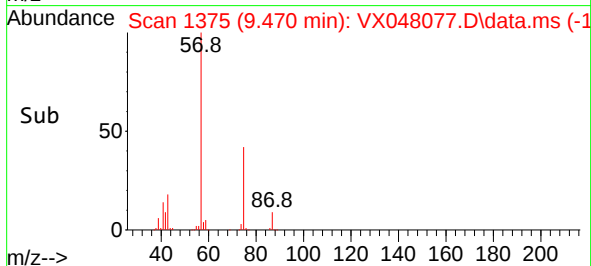
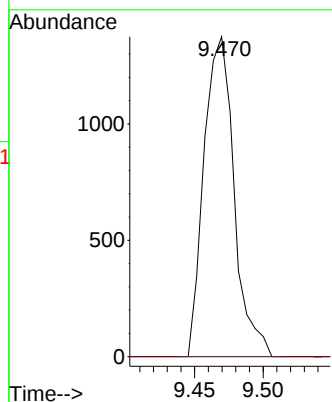
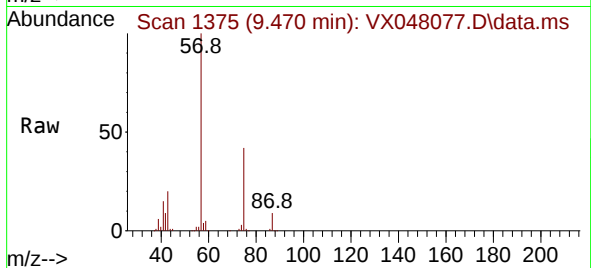




#57
1,3-Dichloropropane
Concen: 0.546 ug/l
RT: 9.470 min Scan# 1375
Delta R.T. 0.177 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

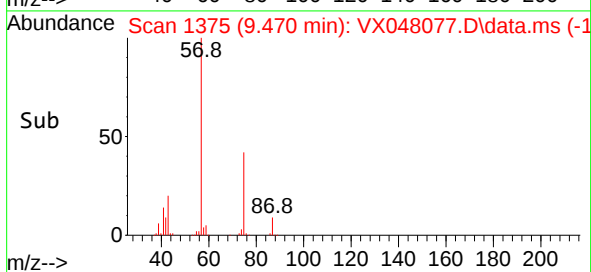
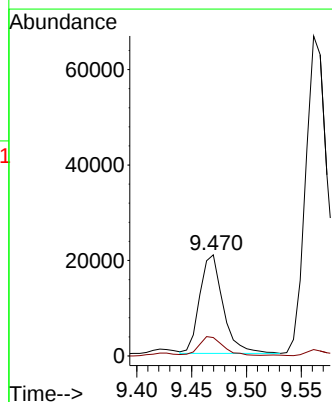
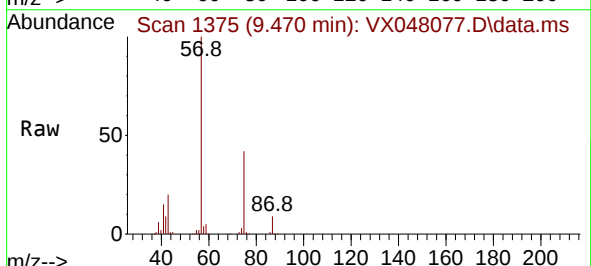
Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

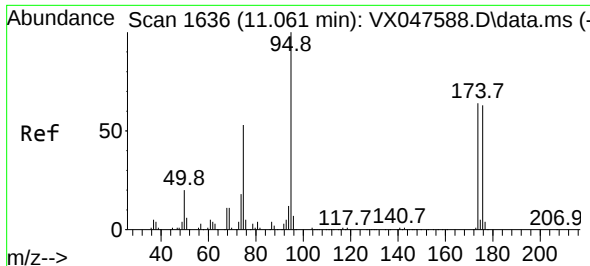
Tgt Ion: 76 Resp: 2102
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 14.117 ug/l
RT: 9.470 min Scan# 1375
Delta R.T. 0.055 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion: 43 Resp: 30653
Ion Ratio Lower Upper
43 100
58 19.5 26.1 78.2#

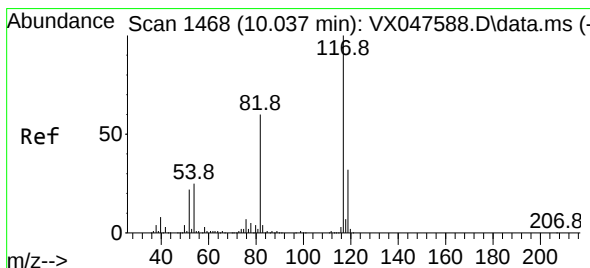
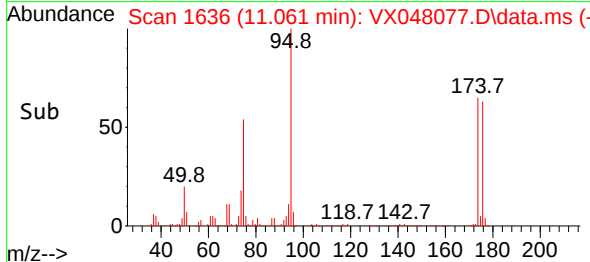
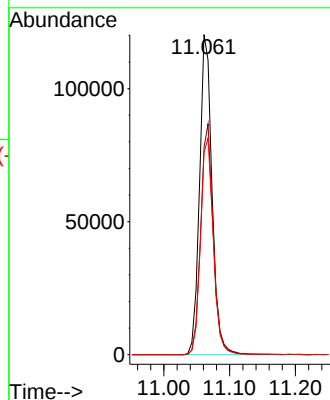
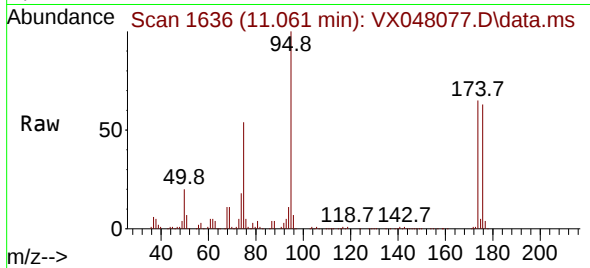




#62
4-Bromofluorobenzene
Concen: 56.794 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

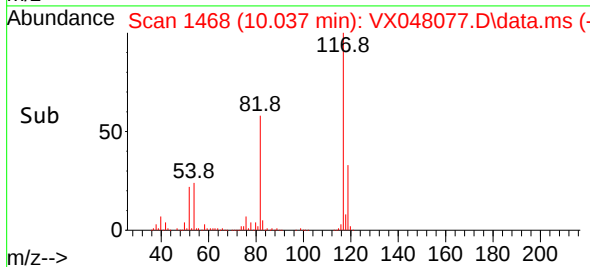
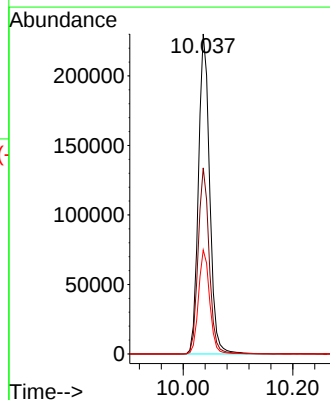
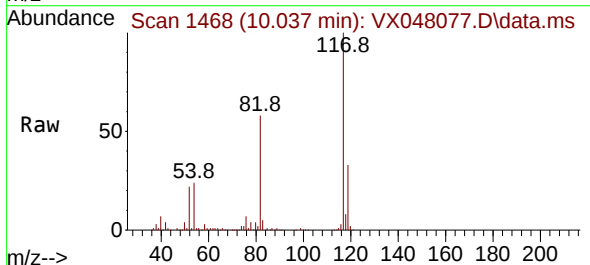
Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

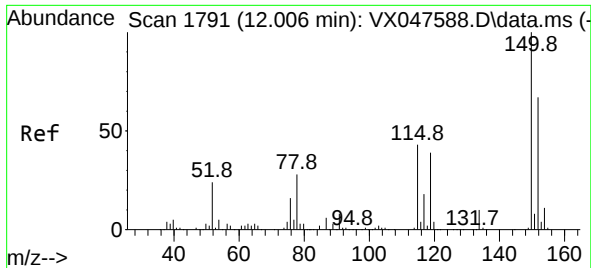
Tgt Ion: 95 Resp: 158488
Ion Ratio Lower Upper
95 100
174 72.7 0.0 141.6
176 69.1 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion: 117 Resp: 328278
Ion Ratio Lower Upper
117 100
82 58.2 47.8 71.6
119 32.5 25.2 37.8

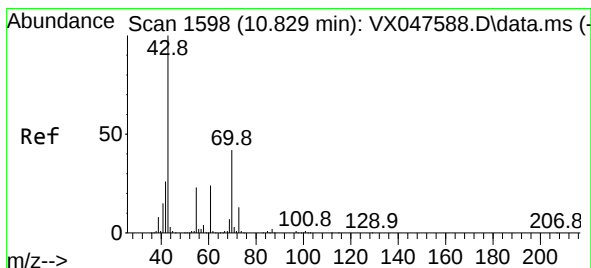
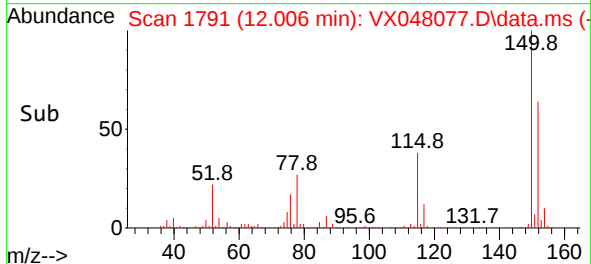
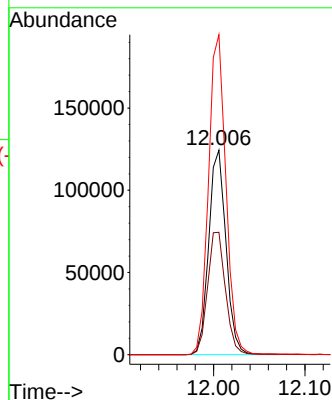
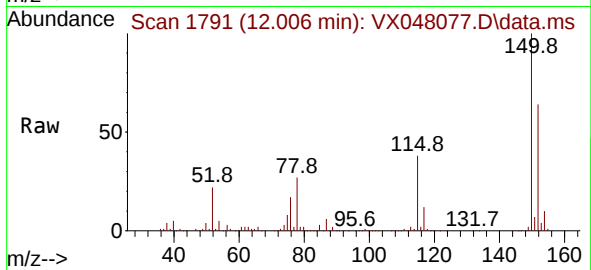




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

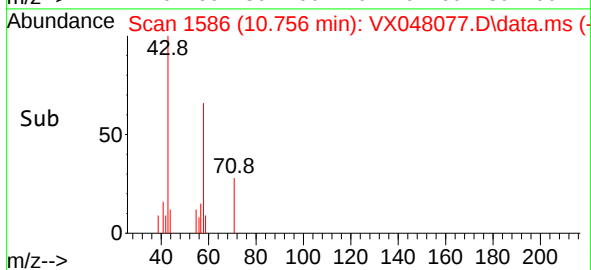
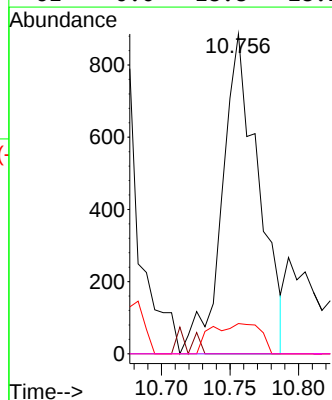
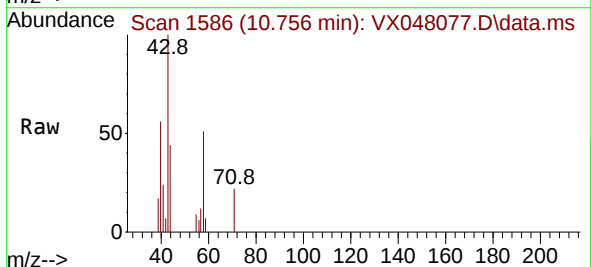
Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

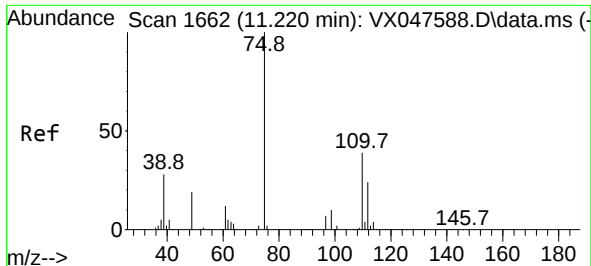
Tgt Ion:152 Resp: 163237
Ion Ratio Lower Upper
152 100
115 62.0 44.9 134.5
150 157.8 0.0 352.0



#74
N-ethyl acetate
Concen: 0.286 ug/l
RT: 10.756 min Scan# 1586
Delta R.T. -0.073 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
70 0.0 32.0 48.0#
55 13.0 18.9 28.3#
61 0.0 18.8 28.2#

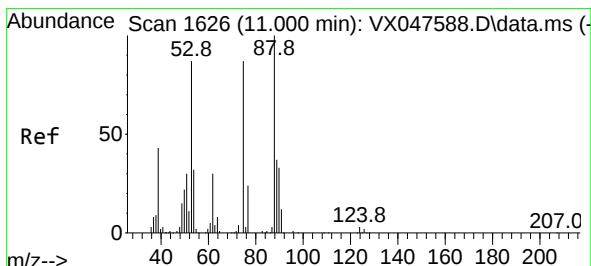
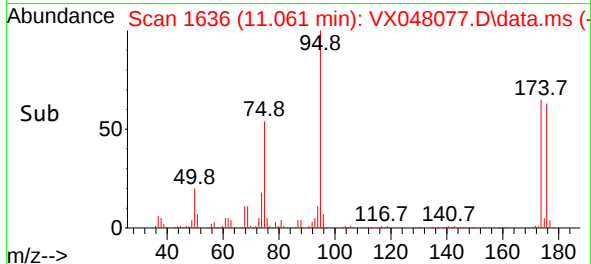
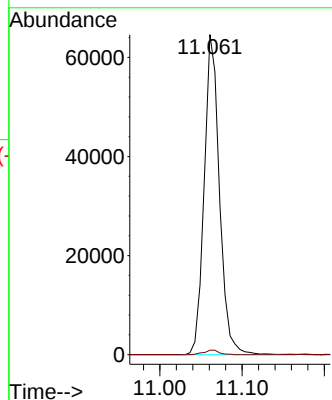
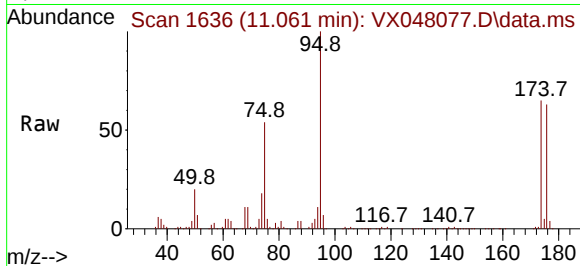




#76
1,2,3-Trichloropropane
Concen: 25.237 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

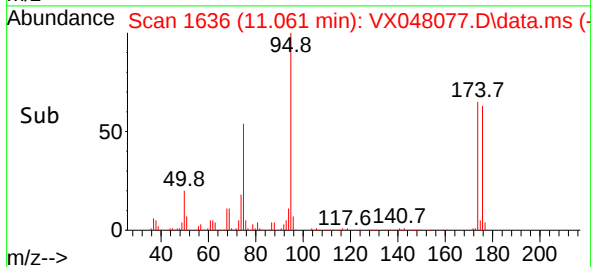
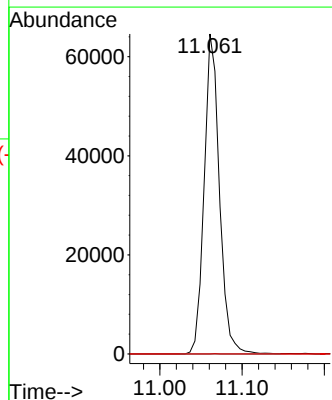
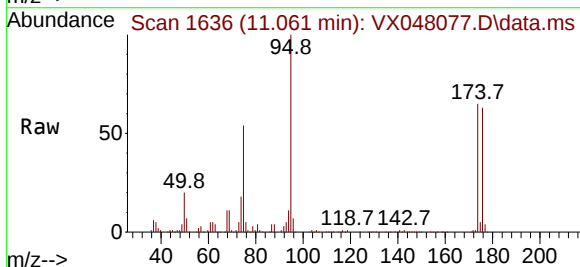
Instrument :
MSVOA_X
ClientSampleId :
PB170028TB

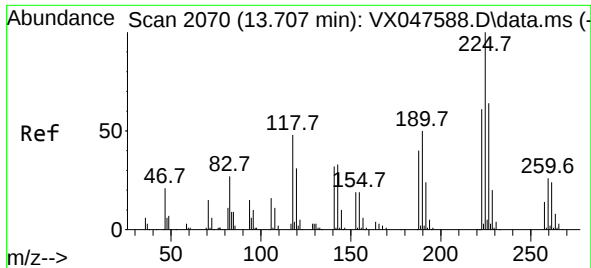
Tgt Ion: 75 Resp: 83409
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.358 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048077.D
Acq: 09 Oct 2025 11:50

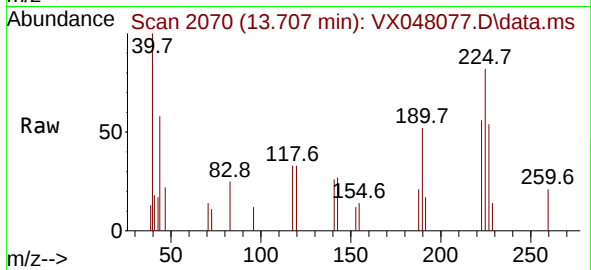
Tgt Ion: 75 Resp: 83409
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#94
 Hexachlorobutadiene
 Concen: 0.349 ug/l
 RT: 13.707 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX048077.D
 Acq: 09 Oct 2025 11:50

Instrument :
 MSVOA_X
 ClientSampleId :
 PB170028TB



Tgt Ion:	225	Resp:	417
Ion	Ratio	Lower	Upper
225	100		
223	68.6	31.7	95.1
227	70.0	32.0	96.0

