

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047801.D
 Acq On : 25 Sep 2025 11:24
 Operator : JC/MD
 Sample : Q3165-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-TB-20250919

Quant Time: Sep 26 01:24:57 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)

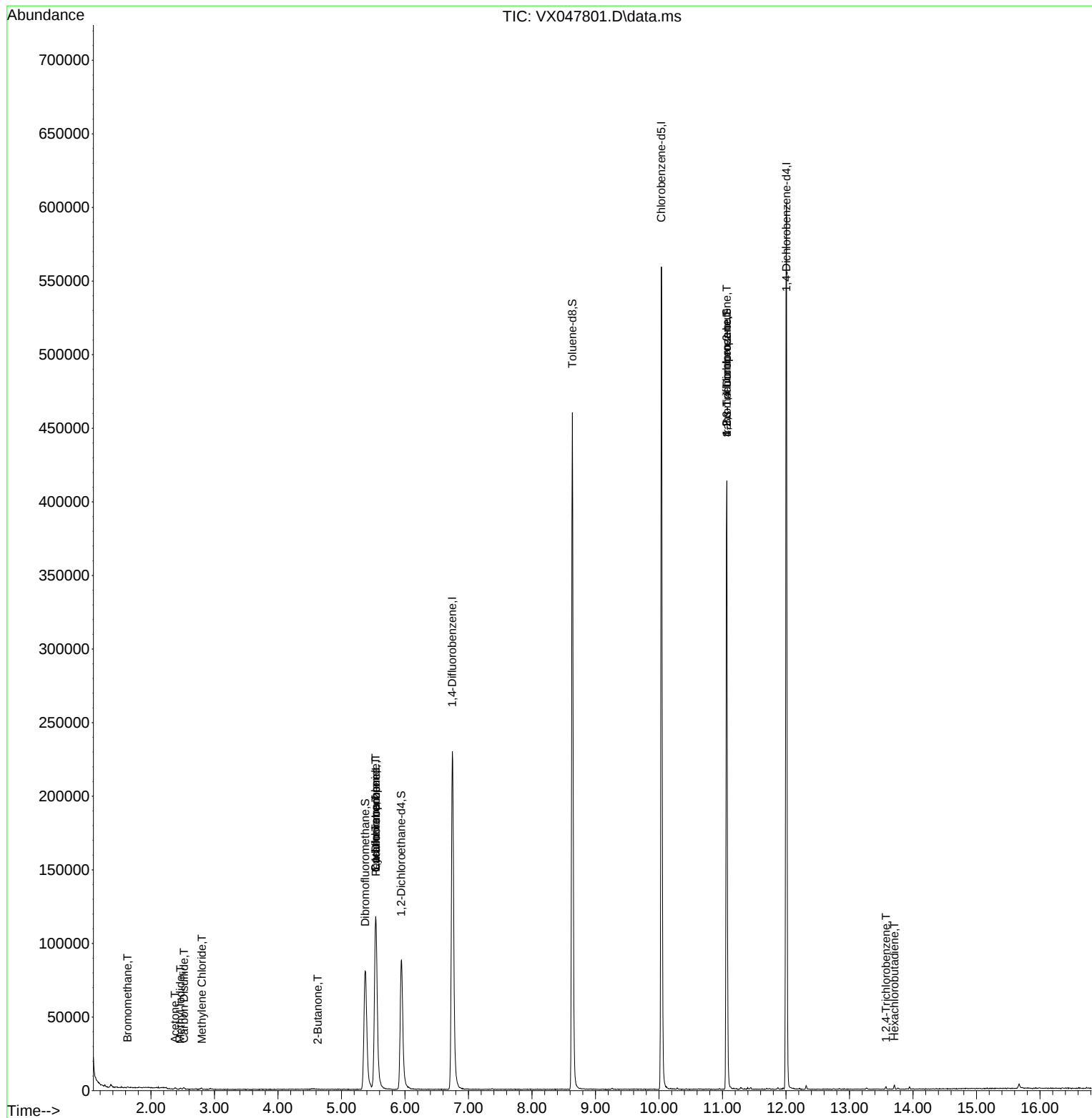
Internal Standards						
1) Pentafluorobenzene	5.544	168	119517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	255275	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	257309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	96089	50.509	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.020%			
35) Dibromofluoromethane	5.373	113	80603	47.081	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.160%			
50) Toluene-d8	8.635	98	283499	47.857	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.720%			
62) 4-Bromofluorobenzene	11.067	95	117859	52.423	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.840%			
Target Compounds						Qvalue
5) Bromomethane	1.630	94	292	0.289	ug/l #	61
10) Methyl Iodide	2.465	142	729	0.338	ug/l #	64
16) Acetone	2.380	43	1056	1.277	ug/l	93
17) Carbon Disulfide	2.520	76	938	0.241	ug/l #	76
20) Methylene Chloride	2.800	84	417	0.238	ug/l #	51
25) 2-Butanone	4.623	43	294	0.285	ug/l #	50
31) Cyclohexane	5.538	56	2312	0.920	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	10017	4.004	ug/l #	52
38) Carbon Tetrachloride	5.538	117	12681	4.665	ug/l #	19
76) 1,2,3-Trichloropropane	11.067	75	60978	23.561	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.067	75	60978	60.085	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.573	180	579	0.210	ug/l	97
94) Hexachlorobutadiene	13.707	225	499	0.534	ug/l	88

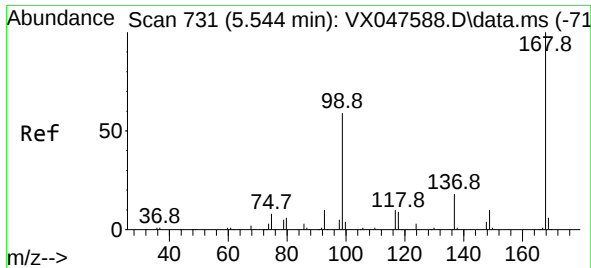
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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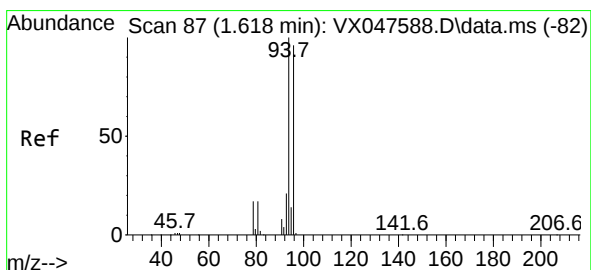
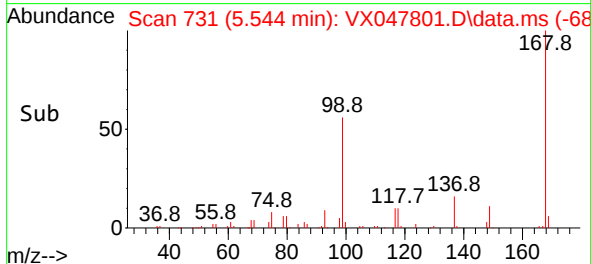
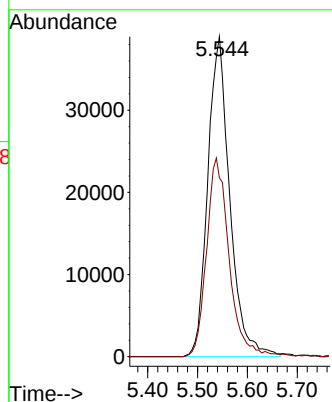
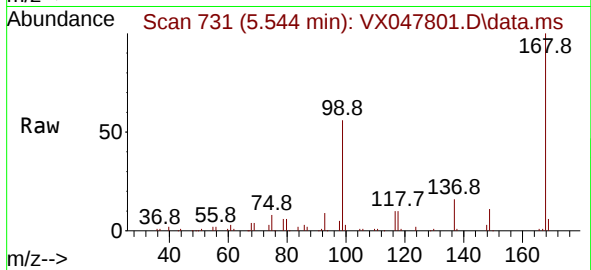




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

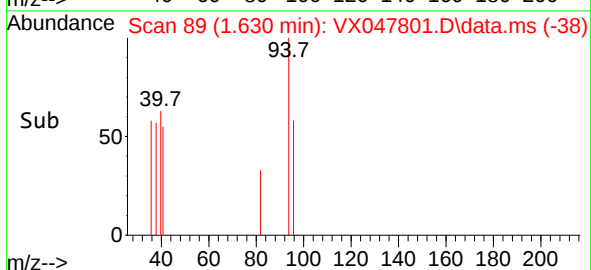
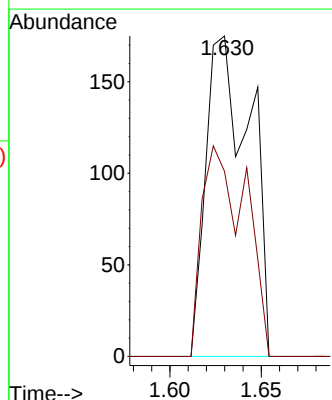
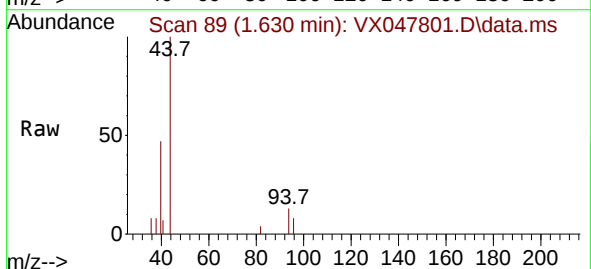
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

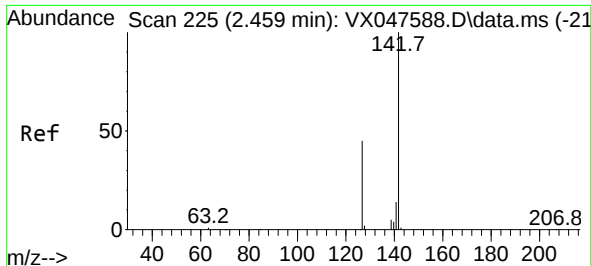
Tgt Ion:168 Resp: 119517
Ion Ratio Lower Upper
168 100
99 55.9 48.8 73.2



#5
Bromomethane
Concen: 0.289 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

Tgt Ion: 94 Resp: 292
Ion Ratio Lower Upper
94 100
96 57.7 76.6 115.0#

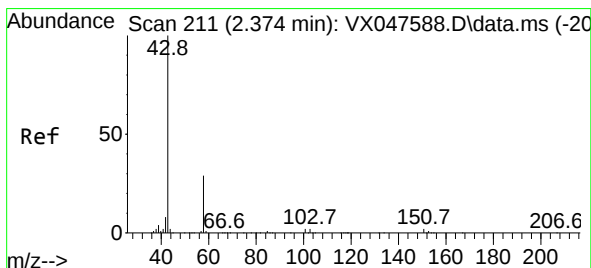
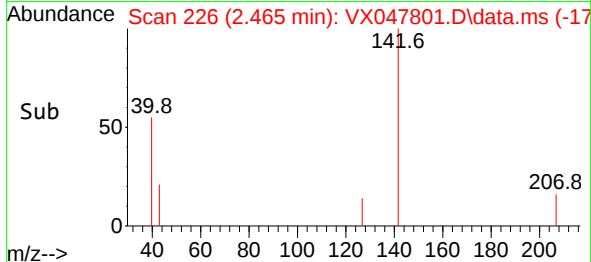
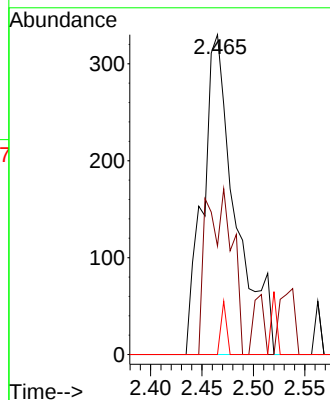
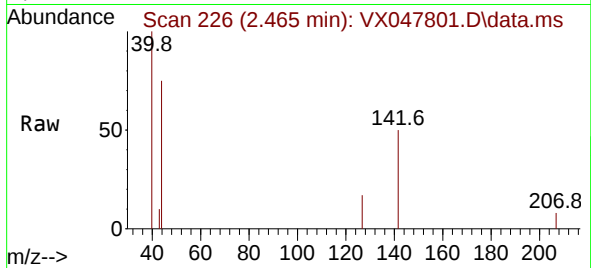




#10
Methyl Iodide
Concen: 0.338 ug/l
RT: 2.465 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

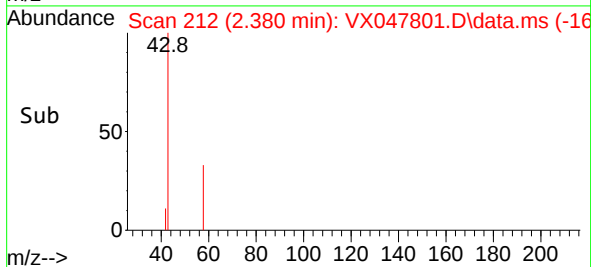
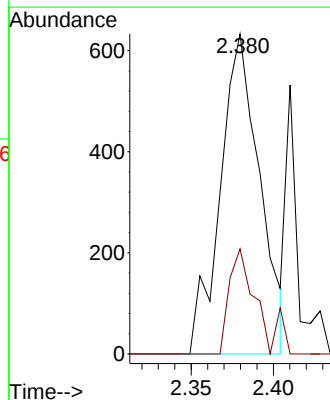
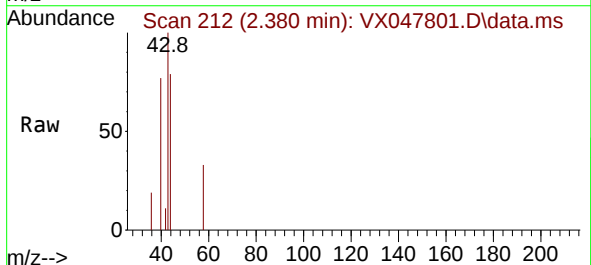
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

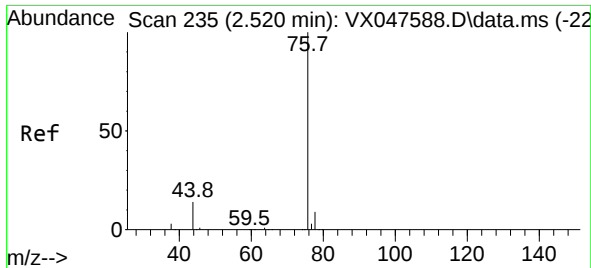
Tgt Ion:142 Resp: 729
Ion Ratio Lower Upper
142 100
127 21.1 37.2 55.8#
141 2.7 11.4 17.0#



#16
Acetone
Concen: 1.277 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

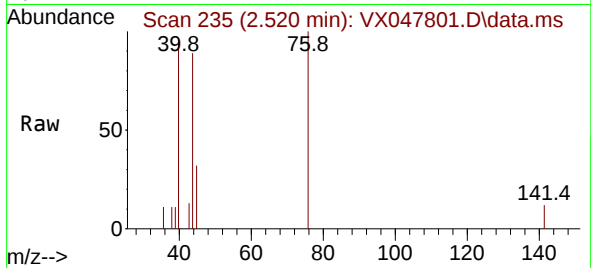
Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 32.9 23.4 35.0



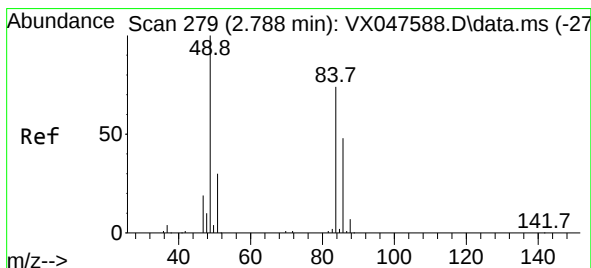
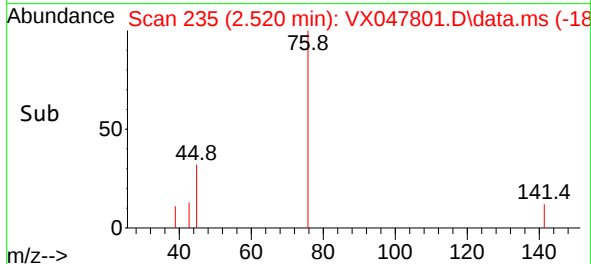
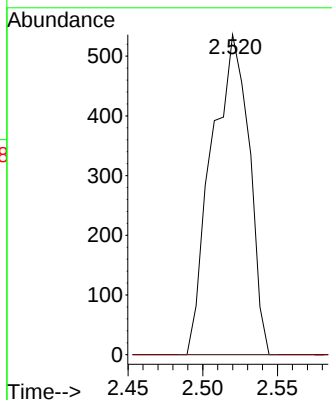


#17
Carbon Disulfide
Concen: 0.241 ug/l
RT: 2.520 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

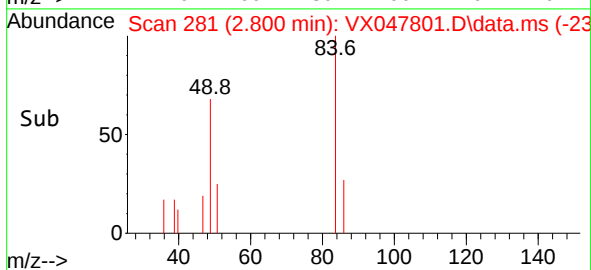
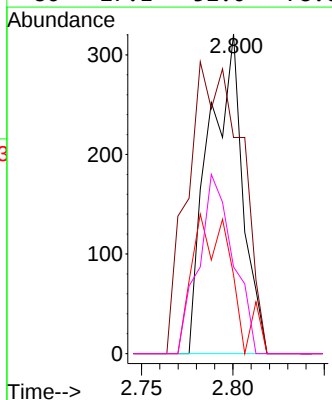
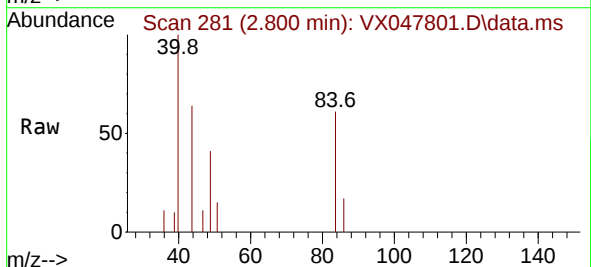


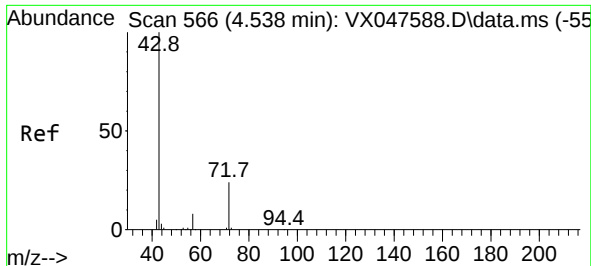
Tgt Ion: 76 Resp: 938
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 0.238 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

Tgt Ion: 84 Resp: 417
Ion Ratio Lower Upper
84 100
49 67.6 108.6 162.8#
51 24.6 32.6 48.8#
86 27.1 52.0 78.0#

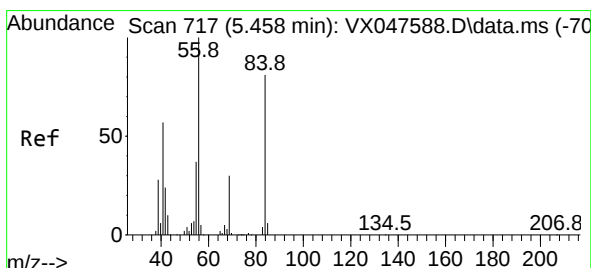
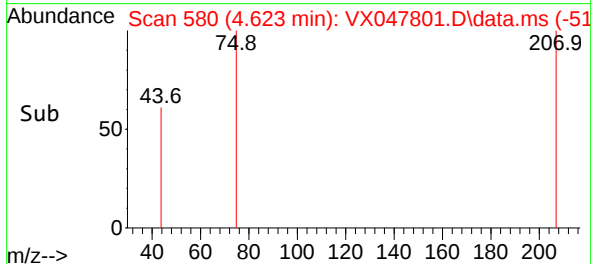
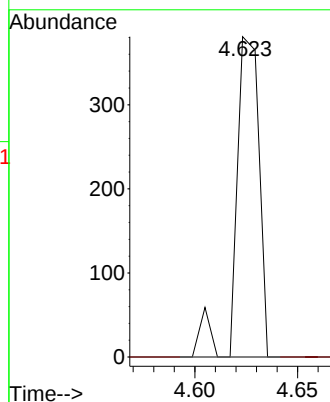
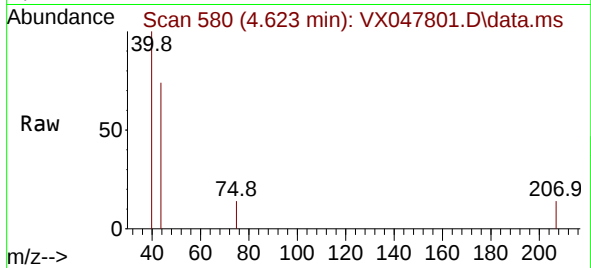




#25
2-Butanone
Concen: 0.285 ug/l
RT: 4.623 min Scan# 51
Delta R.T. 0.085 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

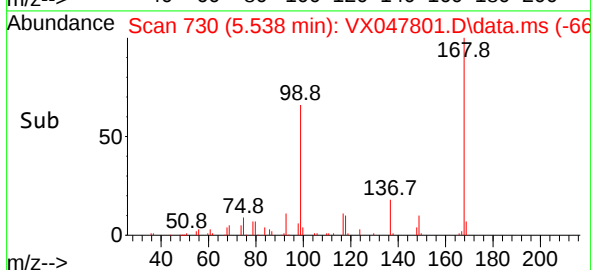
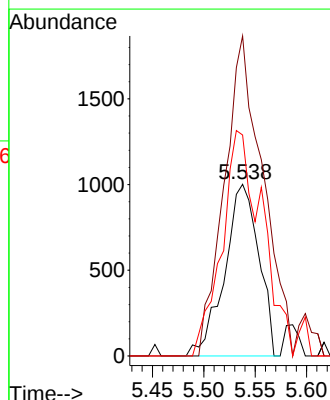
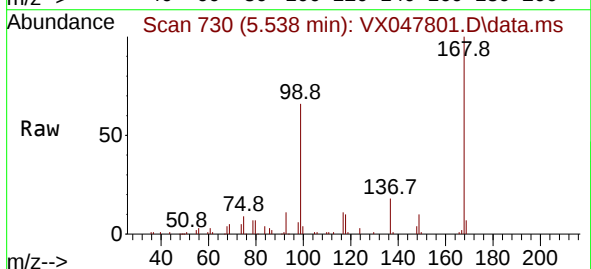
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

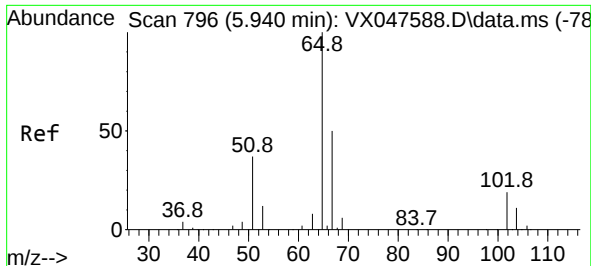
Tgt Ion: 43 Resp: 294
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#31
Cyclohexane
Concen: 0.920 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

Tgt Ion: 56 Resp: 2312
Ion Ratio Lower Upper
56 100
69 186.3 23.8 35.8#
84 128.6 64.6 97.0#

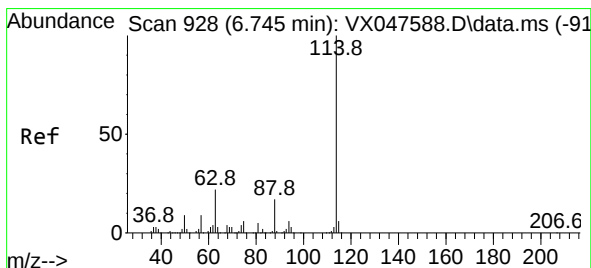
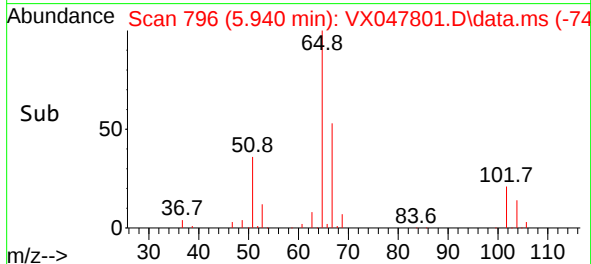
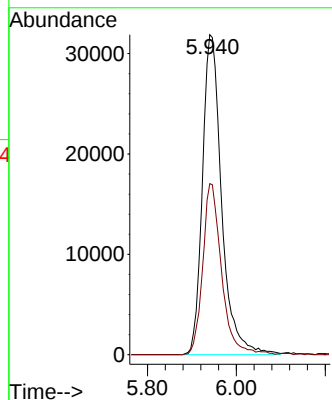
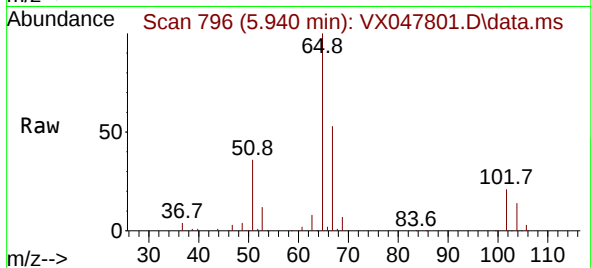




#33
 1,2-Dichloroethane-d4
 Concen: 50.509 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX047801.D
 Acq: 25 Sep 2025 11:24

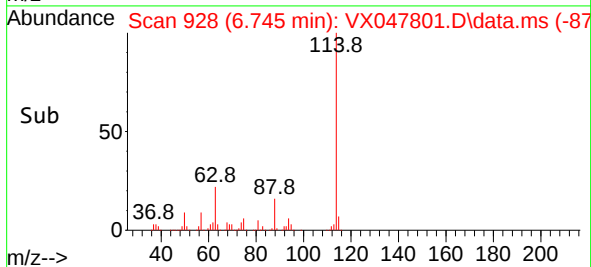
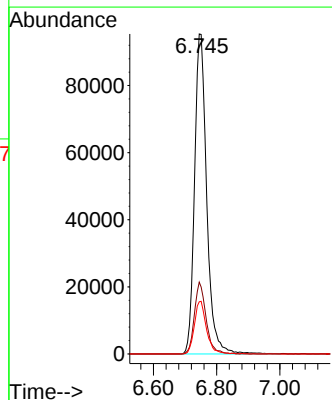
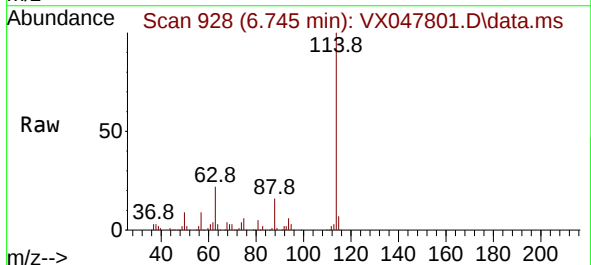
Instrument :
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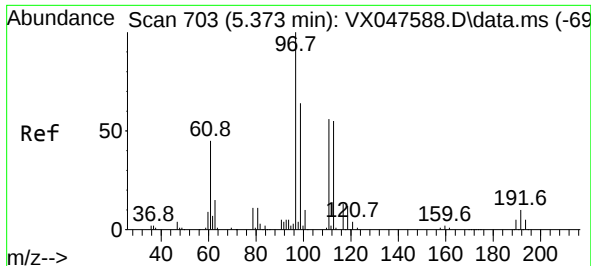
Tgt Ion: 65 Resp: 96089
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: VX047801.D
 Acq: 25 Sep 2025 11:24

Tgt Ion: 114 Resp: 255275
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.0
 88 16.3 0.0 34.2

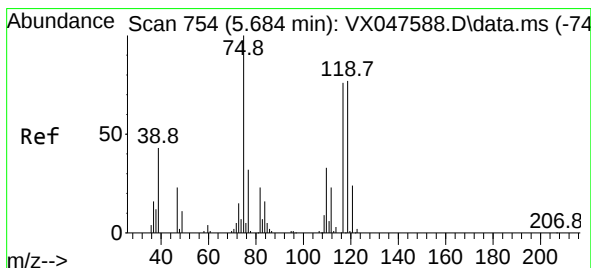
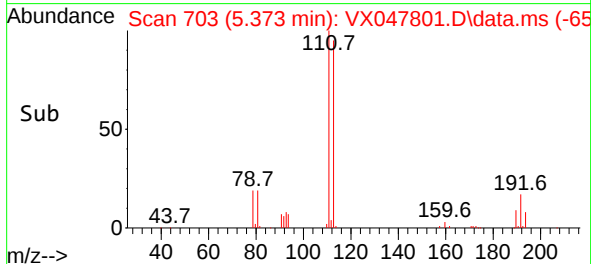
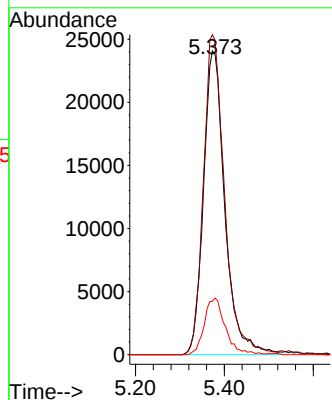
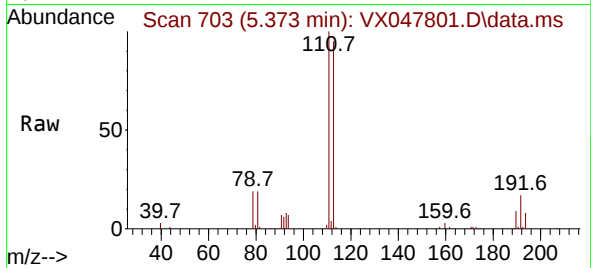




#35
Dibromofluoromethane
Concen: 47.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

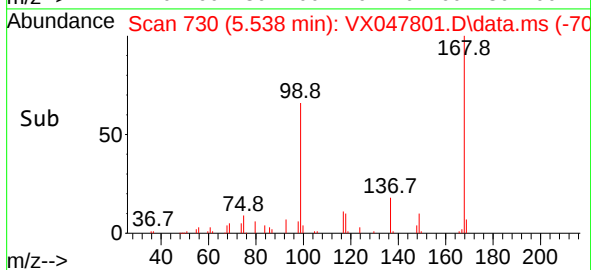
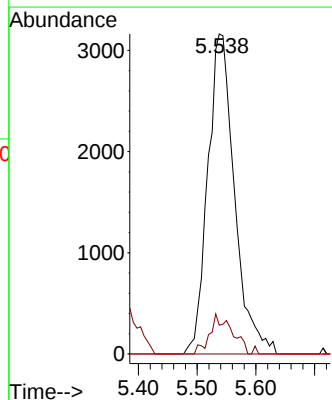
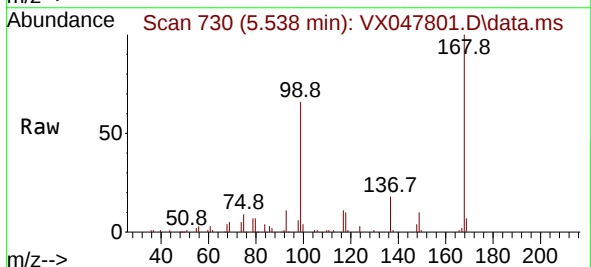
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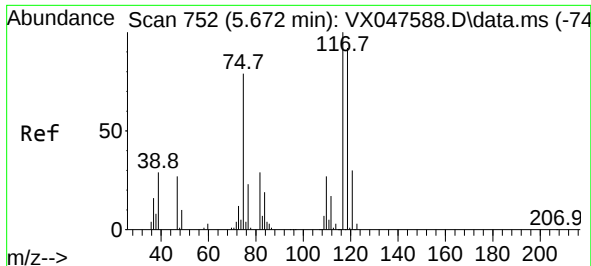
Tgt Ion:113 Resp: 80603
Ion Ratio Lower Upper
113 100
111 104.2 80.9 121.3
192 18.3 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.004 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

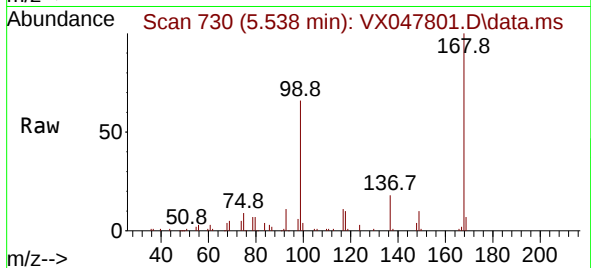
Tgt Ion: 75 Resp: 10017
Ion Ratio Lower Upper
75 100
110 10.3 16.7 50.1#
77 0.0 24.3 36.5#



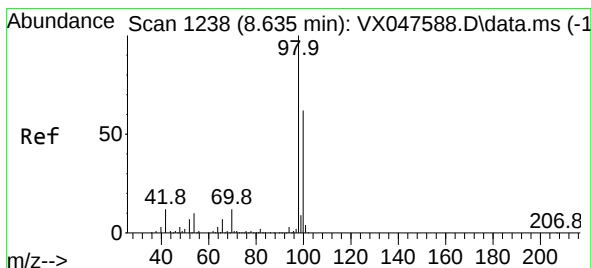
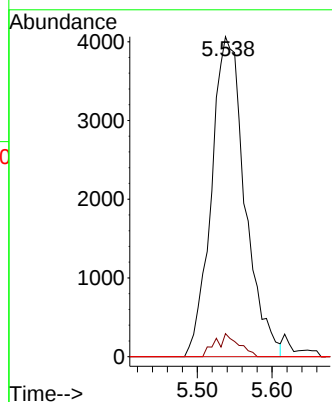
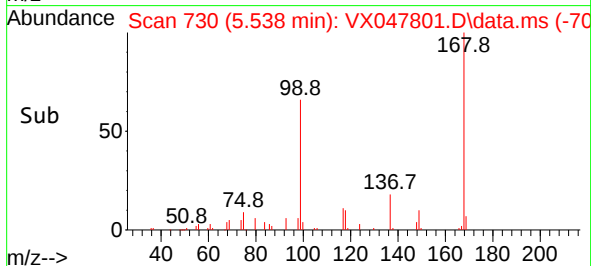


#38
Carbon Tetrachloride
Concen: 4.665 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

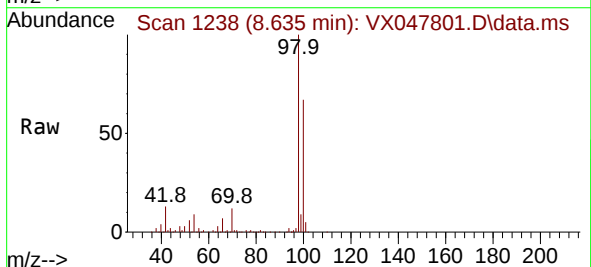
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919



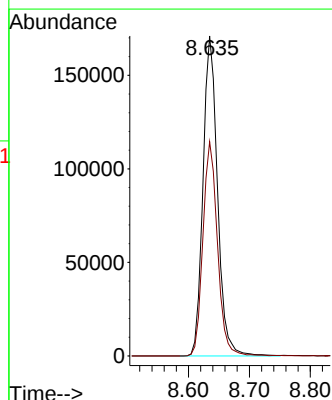
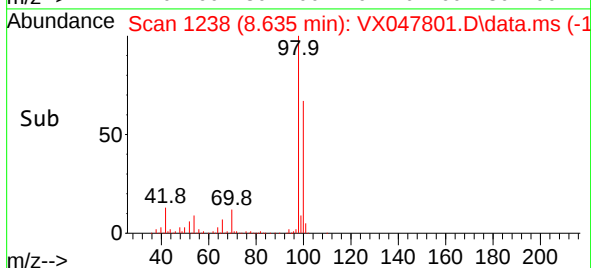
Tgt Ion: 117 Resp: 12681
Ion Ratio Lower Upper
117 100
119 7.2 73.4 110.2#
121 0.0 23.8 35.6#

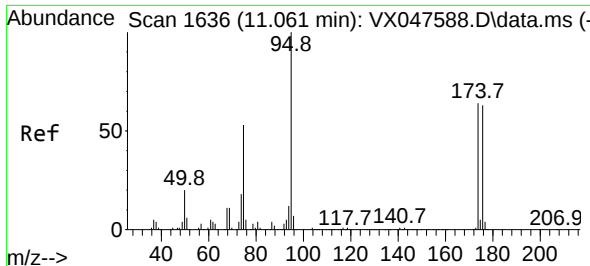


#50
Toluene-d8
Concen: 47.857 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24



Tgt Ion: 98 Resp: 283499
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.4

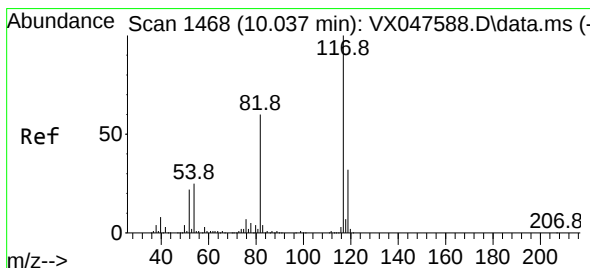
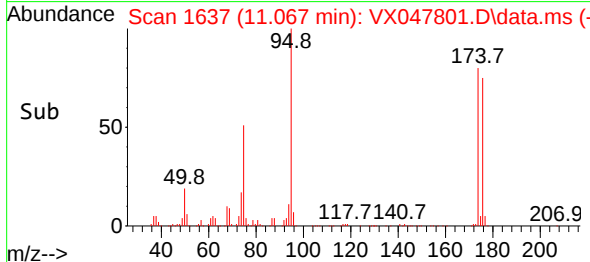
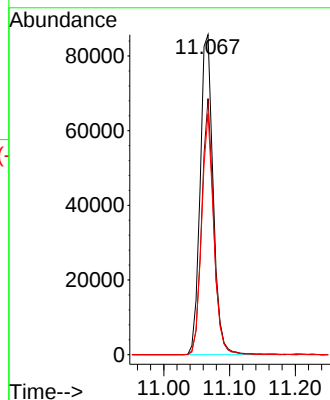
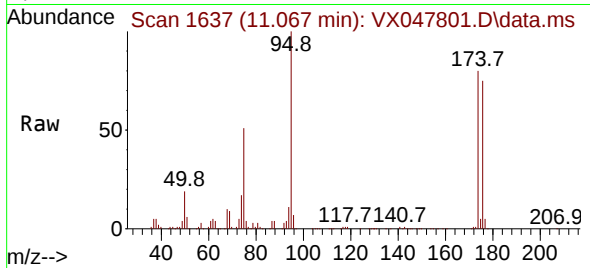




#62
4-Bromofluorobenzene
Concen: 52.423 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

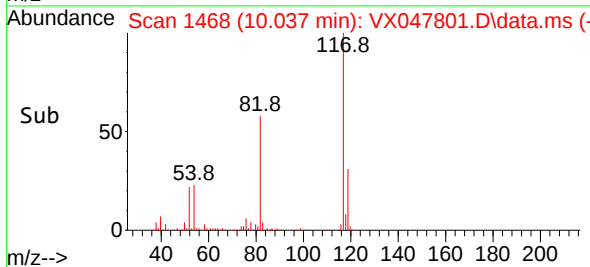
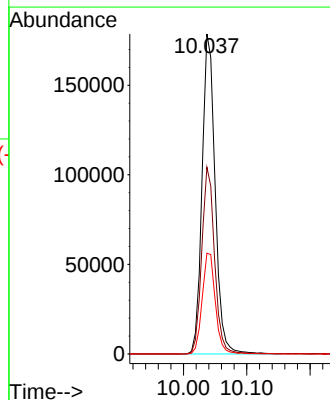
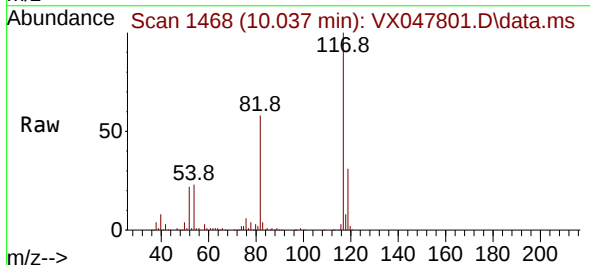
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

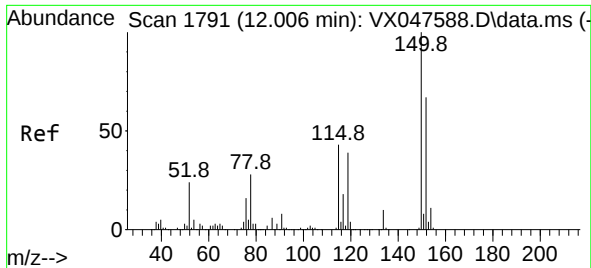
Tgt Ion: 95 Resp: 117859
Ion Ratio Lower Upper
95 100
174 73.8 0.0 141.6
176 70.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

Tgt Ion: 117 Resp: 257309
Ion Ratio Lower Upper
117 100
82 58.4 47.8 71.6
119 31.5 25.2 37.8

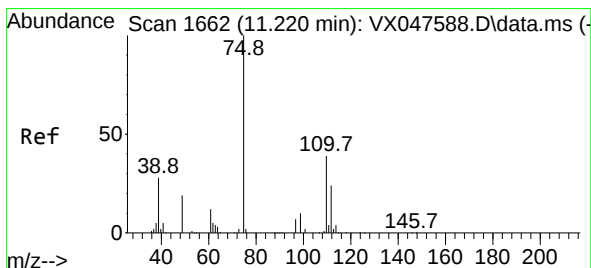
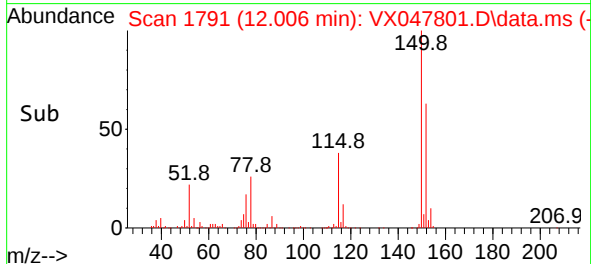
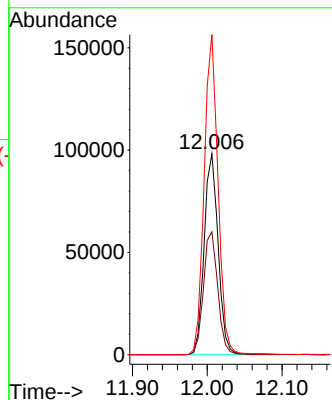
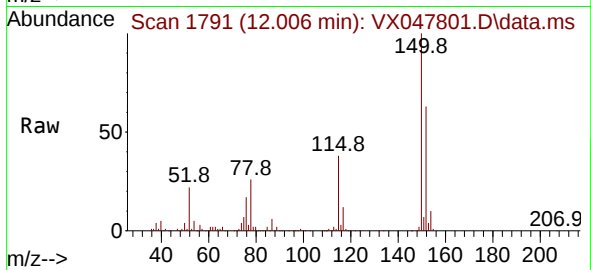




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

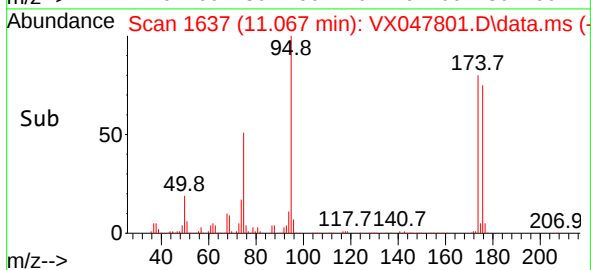
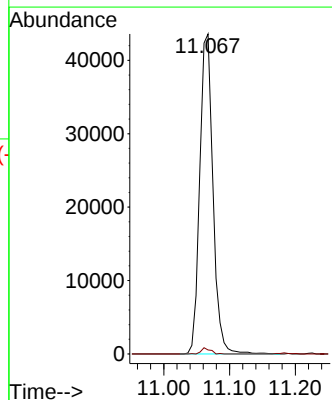
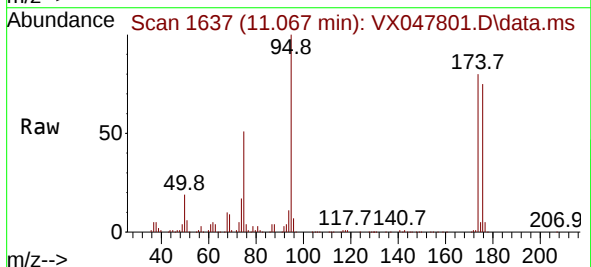
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

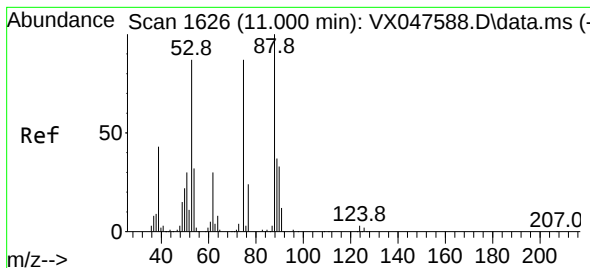
Tgt Ion:152 Resp: 127824
Ion Ratio Lower Upper
152 100
115 62.4 44.9 134.5
150 157.8 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 23.561 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.152 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

Tgt Ion: 75 Resp: 60978
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#

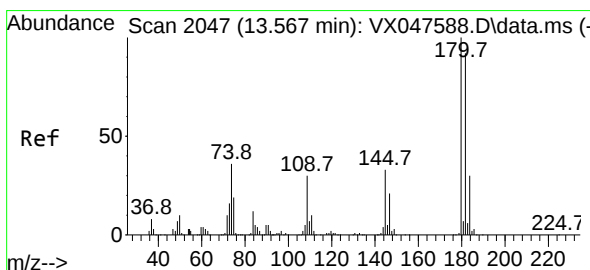
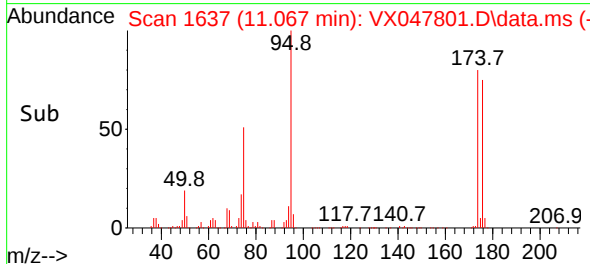
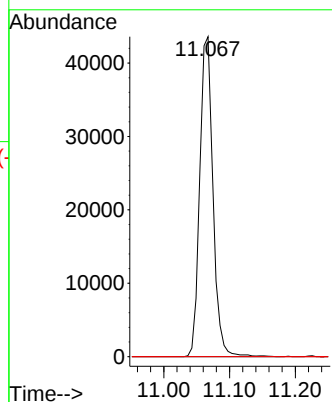
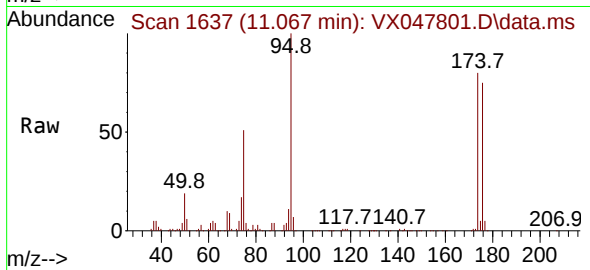




#81
trans-1,4-Dichloro-2-butene
Concen: 60.085 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

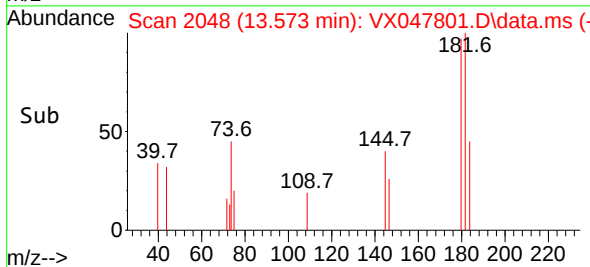
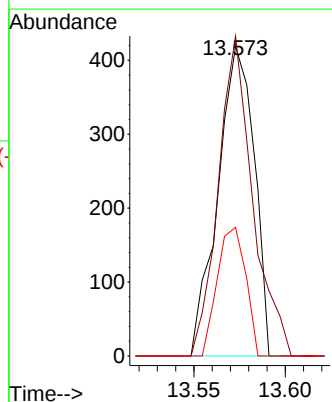
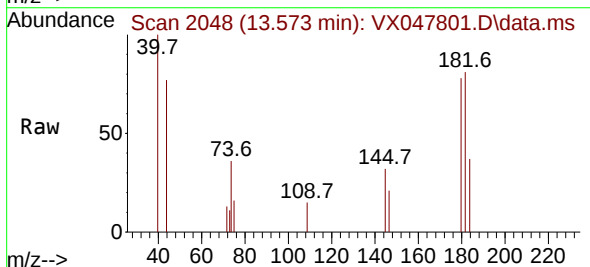
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250919

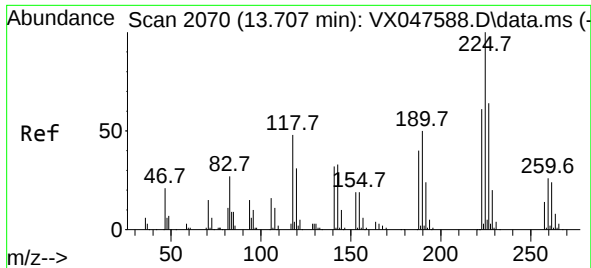
Tgt Ion: 75 Resp: 60978
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.210 ug/l
RT: 13.573 min Scan# 2048
Delta R.T. 0.006 min
Lab File: VX047801.D
Acq: 25 Sep 2025 11:24

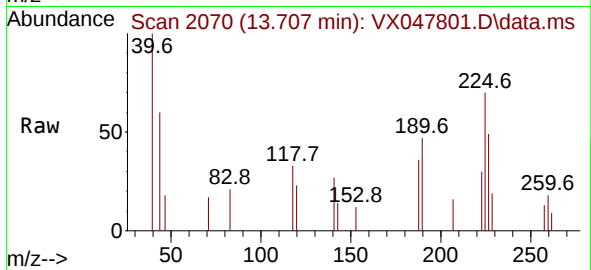
Tgt Ion: 180 Resp: 579
Ion Ratio Lower Upper
180 100
182 97.6 46.6 139.8
145 32.5 16.4 49.1





#94
 Hexachlorobutadiene
 Concen: 0.534 ug/l
 RT: 13.707 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX047801.D
 Acq: 25 Sep 2025 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-TB-20250919



Tgt Ion:	225	Resp:	499
Ion	Ratio	Lower	Upper
225	100		
223	56.3	31.7	95.1
227	76.4	32.0	96.0

