

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
 Data File : VX048258.D
 Acq On : 21 Oct 2025 11:15
 Operator : JC/MD
 Sample : Q3371-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-TB-20251010

Quant Time: Oct 24 04:25:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

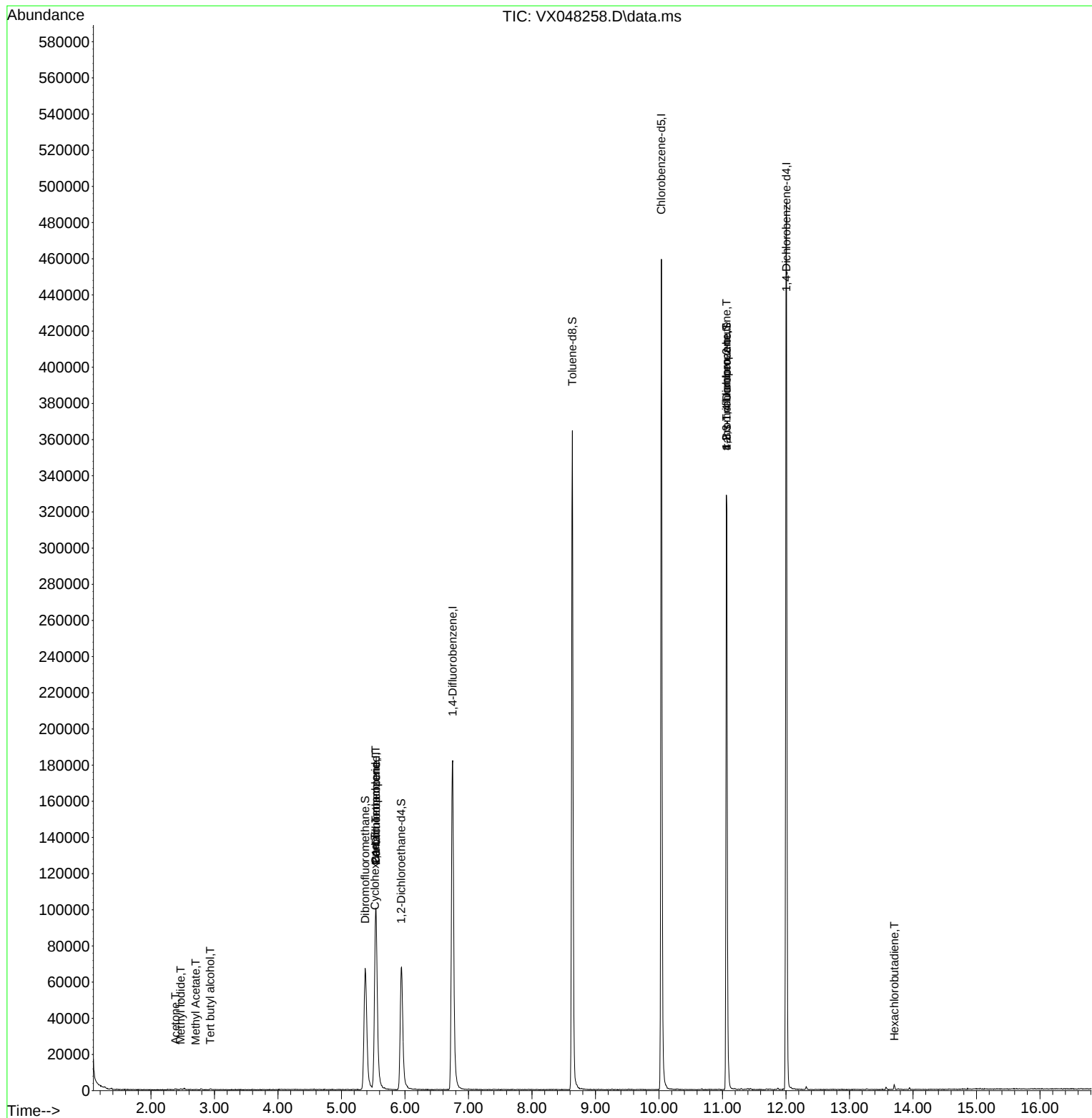
Internal Standards						
1) Pentafluorobenzene	5.544	168	104796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	206666	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	215259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	77024	52.422	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.840%			
35) Dibromofluoromethane	5.373	113	66061	46.822	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.640%			
50) Toluene-d8	8.635	98	225480	45.594	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.180%#			
62) 4-Bromofluorobenzene	11.061	95	99785	53.039	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.080%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	618	0.435	ug/l #	77
11) Tert butyl alcohol	2.935	59	48	0.329	ug/l #	72
16) Acetone	2.386	43	545	1.081	ug/l	97
18) Methyl Acetate	2.703	43	295	0.280	ug/l #	54
31) Cyclohexane	5.526	56	721	0.395	ug/l #	35
36) 1,1-Dichloropropene	5.544	75	7849	3.914	ug/l #	48
38) Carbon Tetrachloride	5.538	117	11006	4.449	ug/l #	16
76) 1,2,3-Trichloropropane	11.061	75	51446	28.723	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	51446	69.881	ug/l #	10
94) Hexachlorobutadiene	13.707	225	528	0.648	ug/l	84

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

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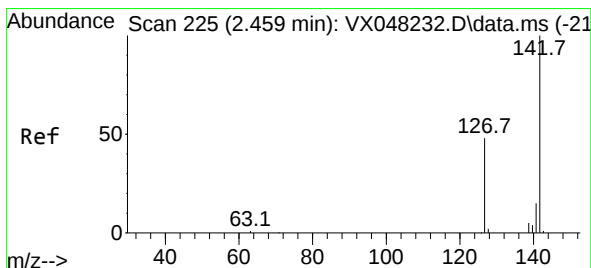
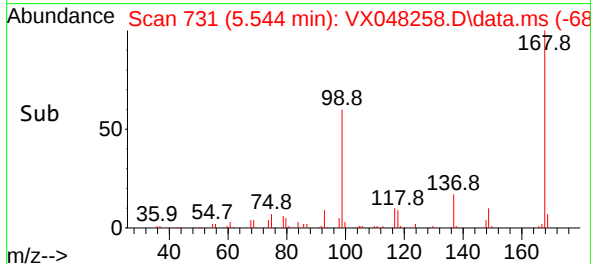
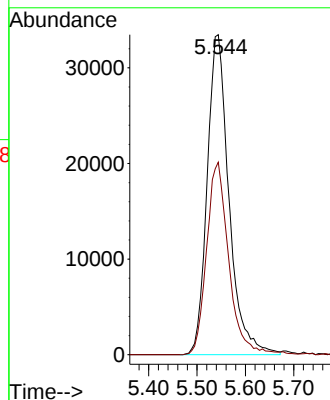
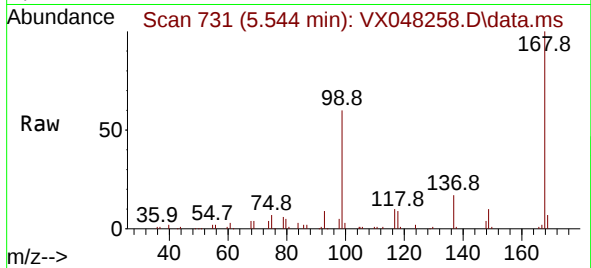




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

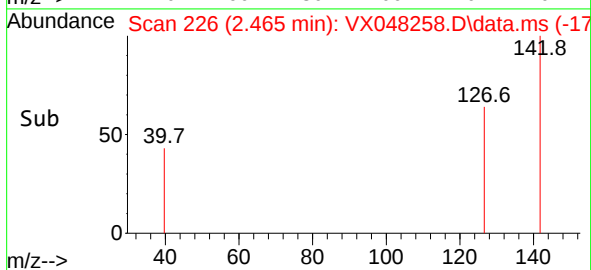
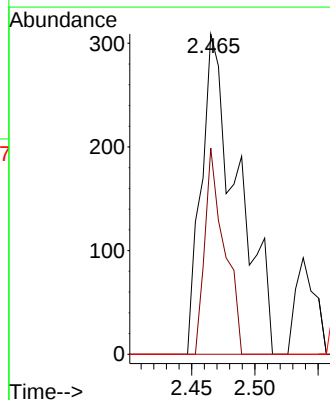
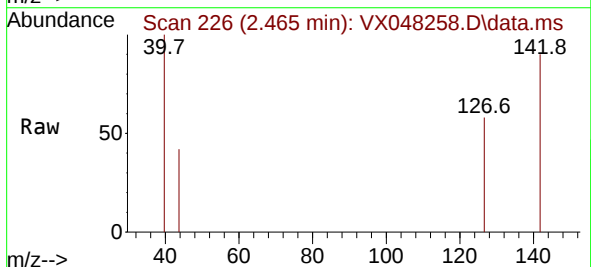
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251010

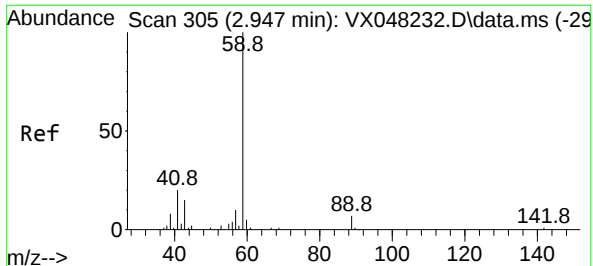
Tgt Ion:168 Resp: 104796
Ion Ratio Lower Upper
168 100
99 60.2 46.4 69.6



#10
Methyl Iodide
Concen: 0.435 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

Tgt Ion:142 Resp: 618
Ion Ratio Lower Upper
142 100
127 34.6 38.5 57.7#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 0.329 ug/l

RT: 2.935 min Scan# 305

Delta R.T. -0.006 min

Lab File: VX048258.D

Acq: 21 Oct 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

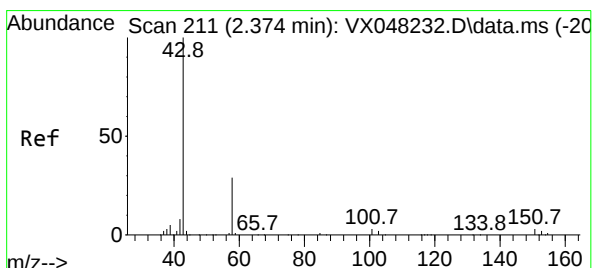
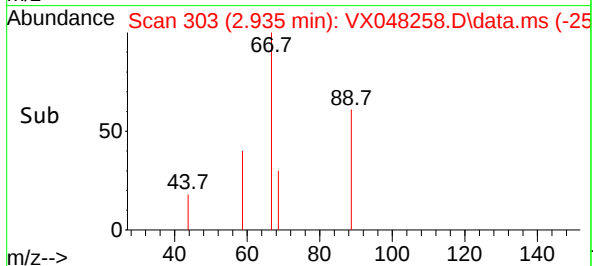
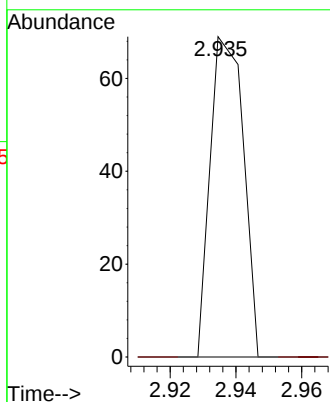
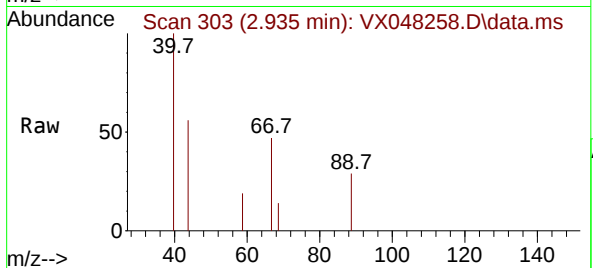
BP-VPB-184-TB-20251010

Tgt Ion: 59 Resp: 48

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 1.081 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.012 min

Lab File: VX048258.D

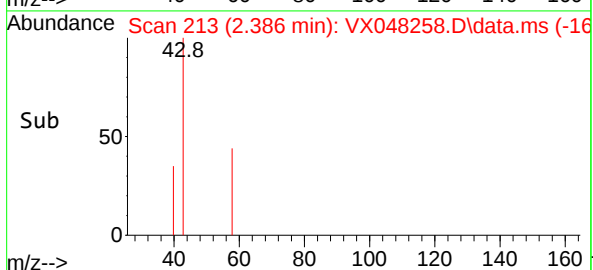
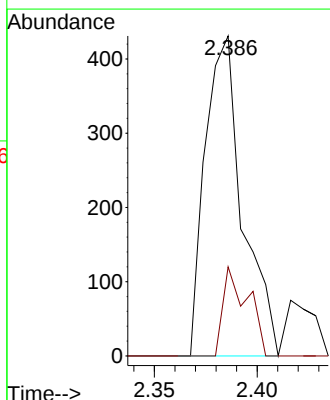
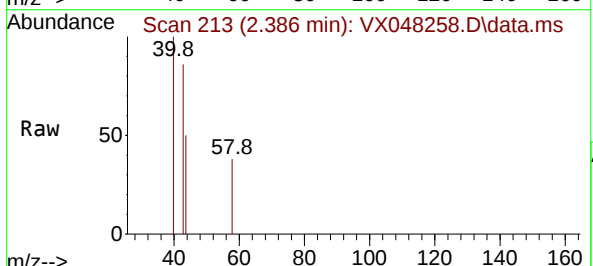
Acq: 21 Oct 2025 11:15

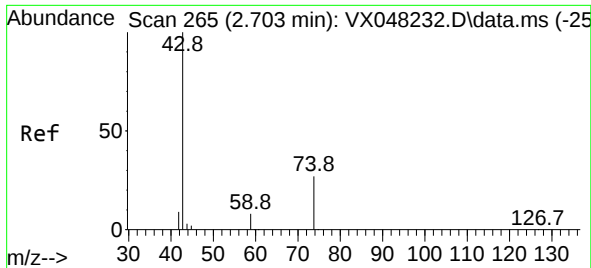
Tgt Ion: 43 Resp: 545

Ion Ratio Lower Upper

43 100

58 27.8 23.4 35.2

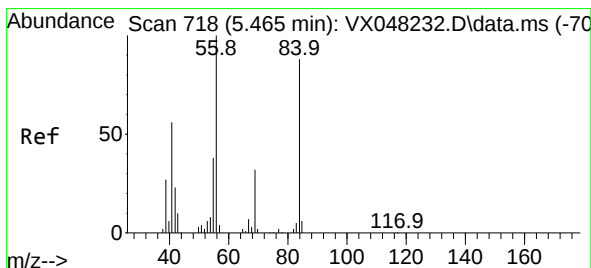
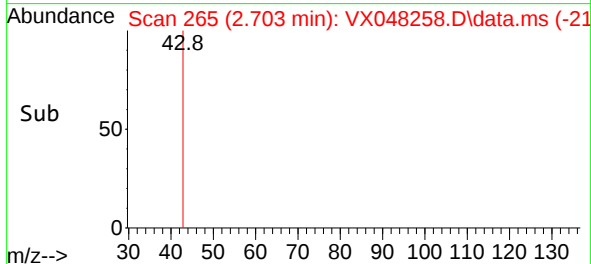
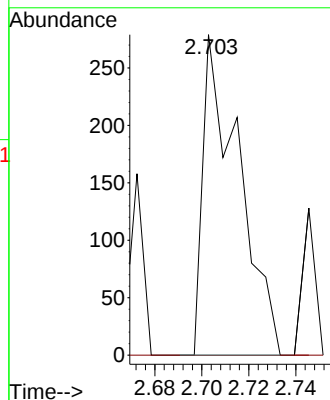
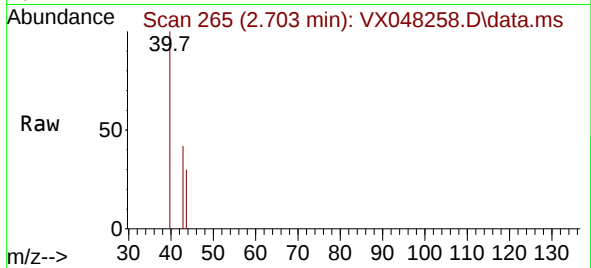




#18
Methyl Acetate
Concen: 0.280 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

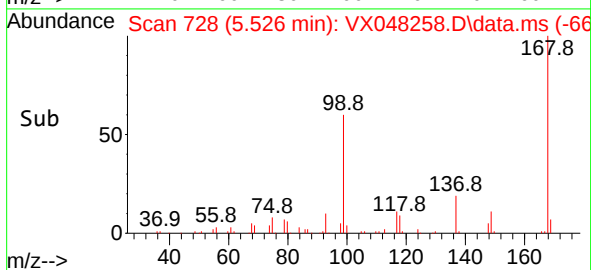
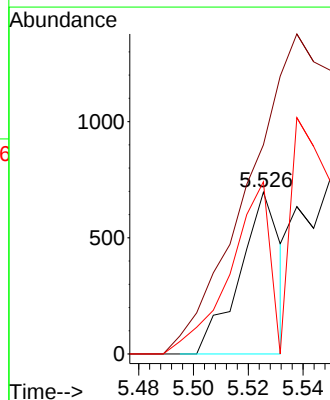
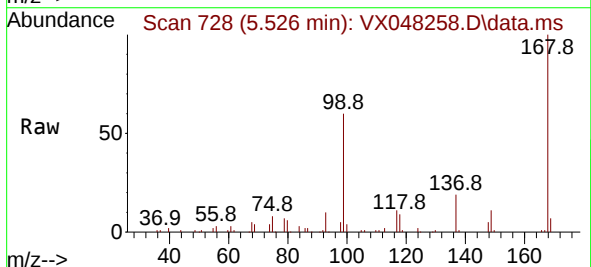
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251010

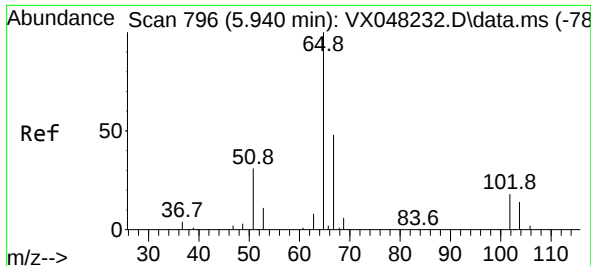
Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#31
Cyclohexane
Concen: 0.395 ug/l
RT: 5.526 min Scan# 728
Delta R.T. 0.067 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

Tgt Ion: 56 Resp: 721
Ion Ratio Lower Upper
56 100
69 118.1 23.0 34.6#
84 106.5 64.6 97.0#

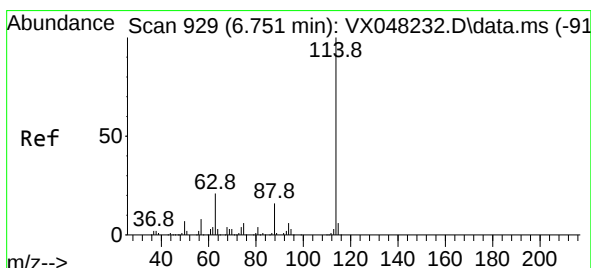
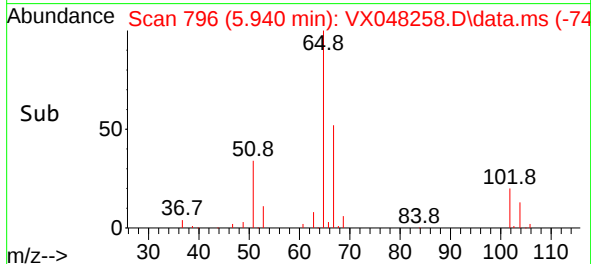
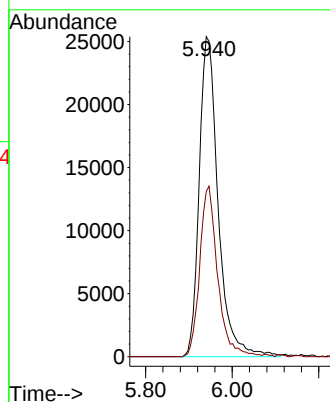
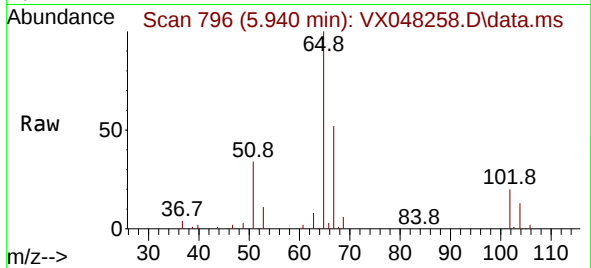




#33
 1,2-Dichloroethane-d4
 Concen: 52.422 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048258.D
 Acq: 21 Oct 2025 11:15

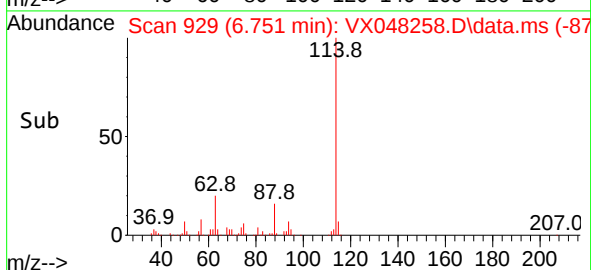
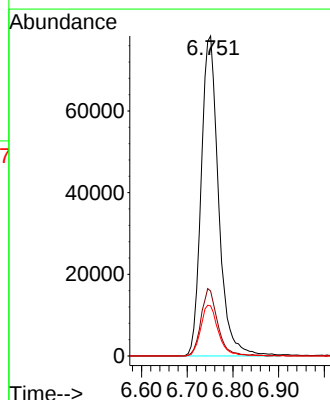
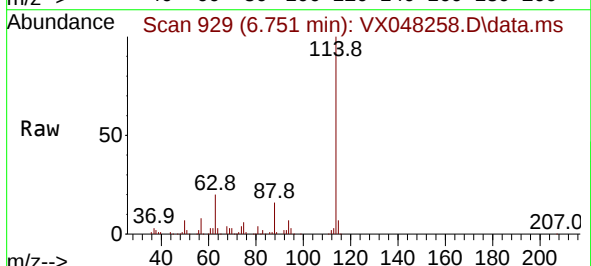
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-TB-20251010

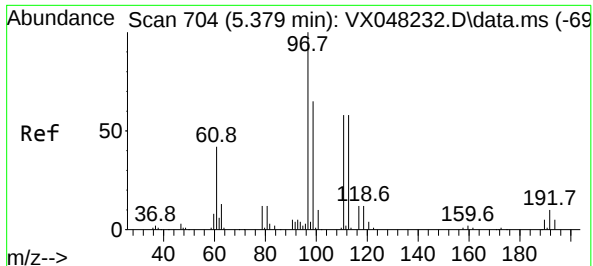
Tgt Ion: 65 Resp: 77024
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048258.D
 Acq: 21 Oct 2025 11:15

Tgt Ion: 114 Resp: 206666
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.2
 88 15.7 0.0 33.6

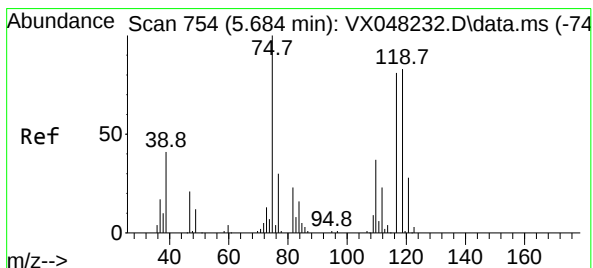
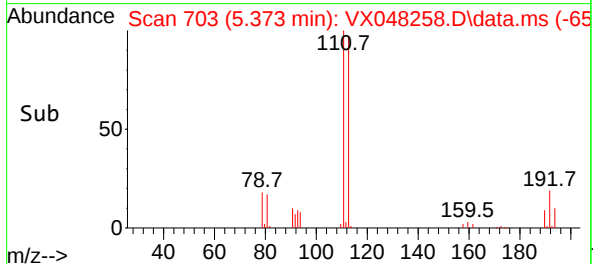
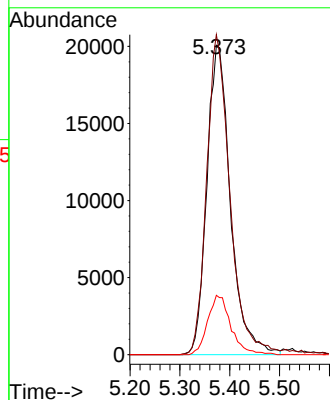
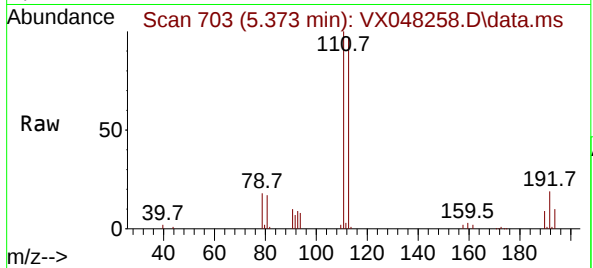




#35
Dibromofluoromethane
Concen: 46.822 ug/l
RT: 5.373 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

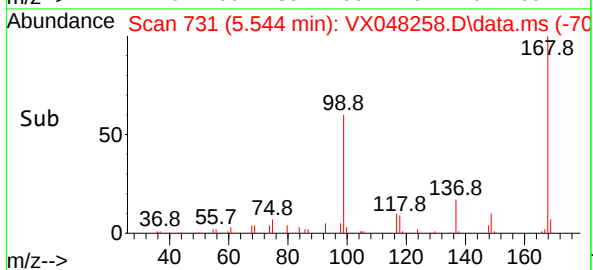
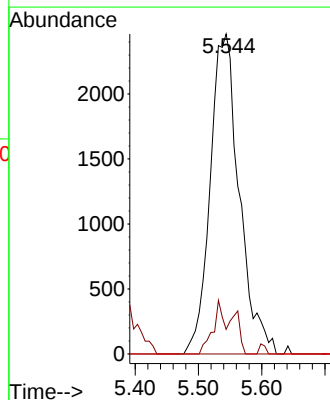
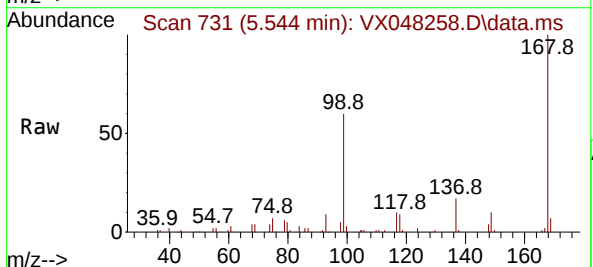
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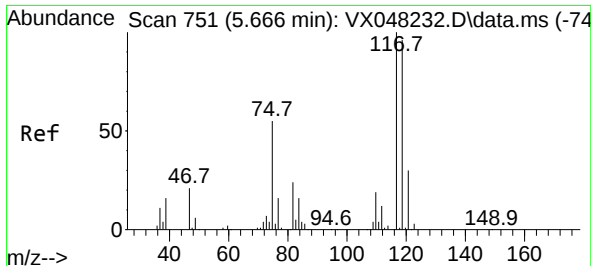
Tgt Ion:113 Resp: 66061
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.4
192 18.9 15.1 22.7



#36
1,1-Dichloropropene
Concen: 3.914 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

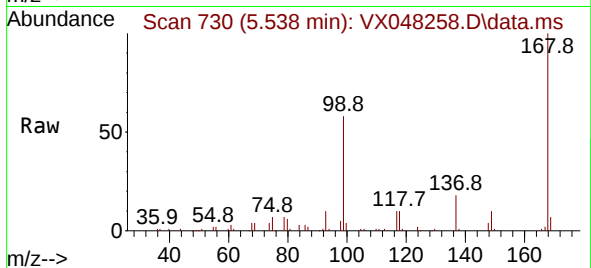
Tgt Ion: 75 Resp: 7849
Ion Ratio Lower Upper
75 100
110 6.5 17.7 53.1#
77 0.0 24.3 36.5#



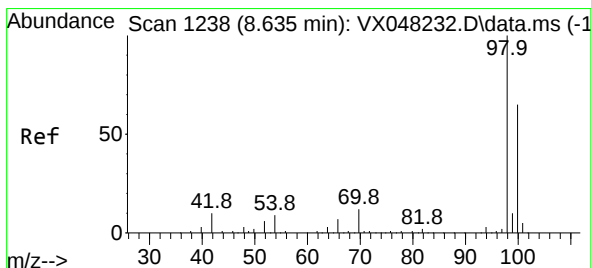
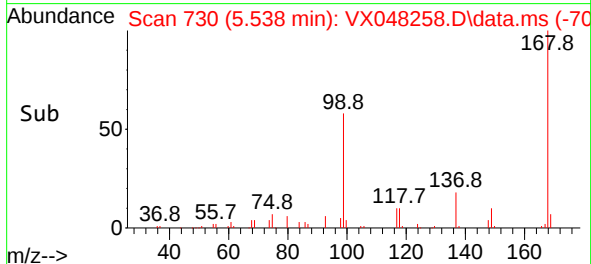
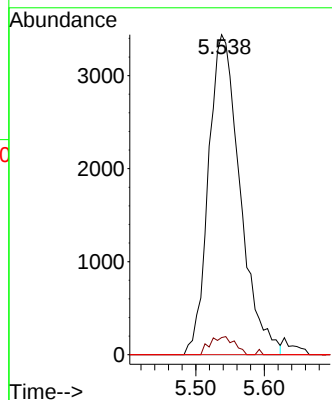


#38
Carbon Tetrachloride
Concen: 4.449 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

Instrument :
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ClientSampleId :
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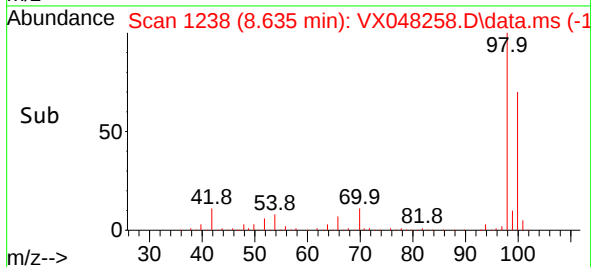
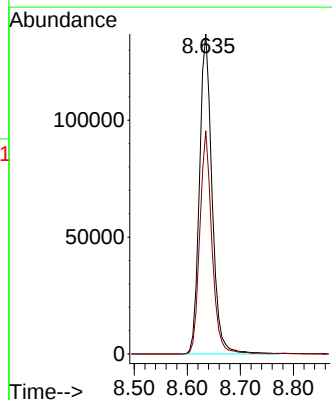
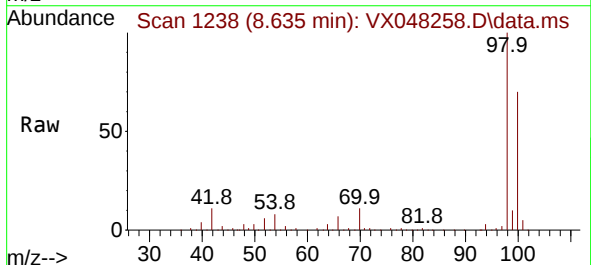


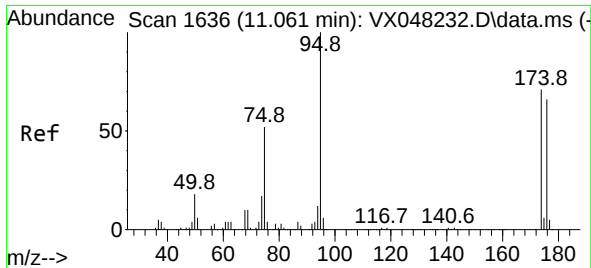
Tgt Ion:117 Resp: 11006
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.594 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

Tgt Ion: 98 Resp: 225480
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4

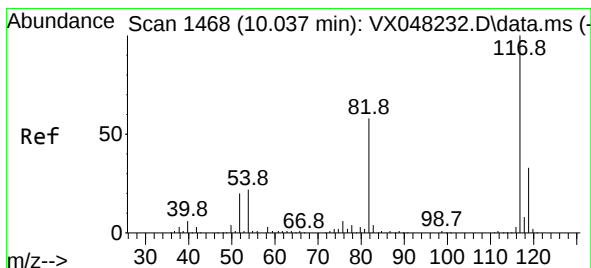
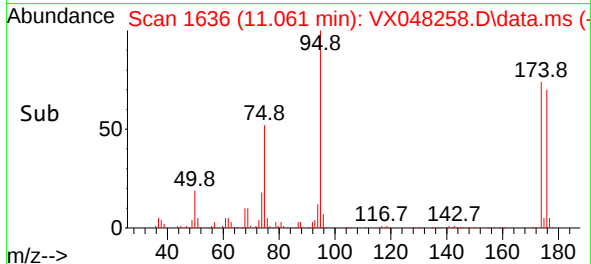
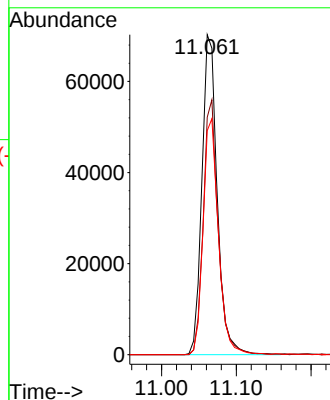
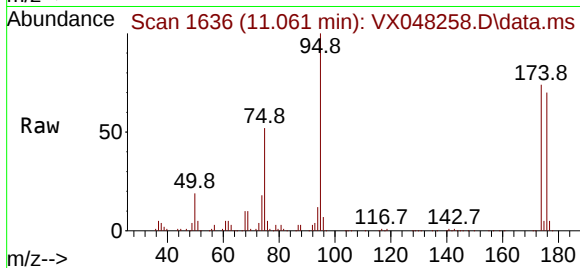




#62
4-Bromofluorobenzene
Concen: 53.039 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

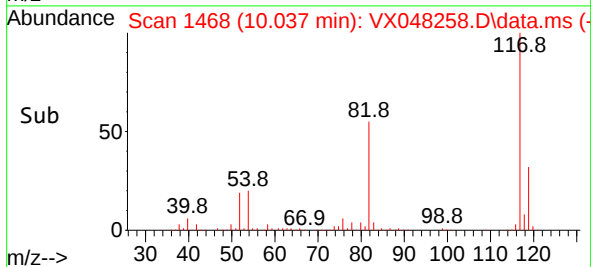
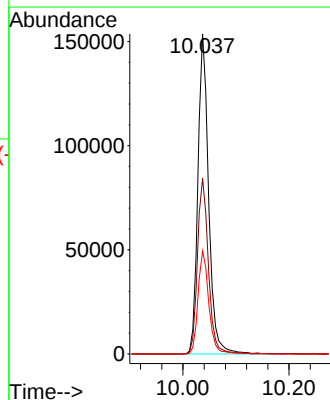
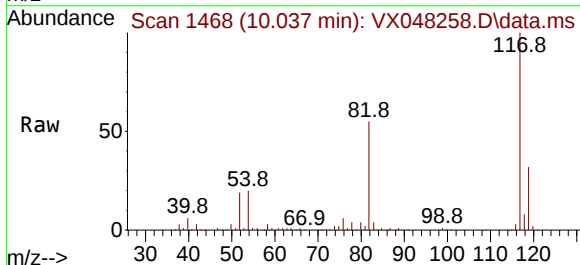
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251010

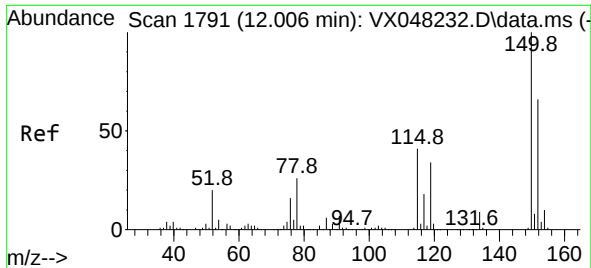
Tgt Ion: 95 Resp: 99785
Ion Ratio Lower Upper
95 100
174 77.8 0.0 147.8
176 74.0 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

Tgt Ion: 117 Resp: 215259
Ion Ratio Lower Upper
117 100
82 54.8 46.5 69.7
119 32.2 25.9 38.9

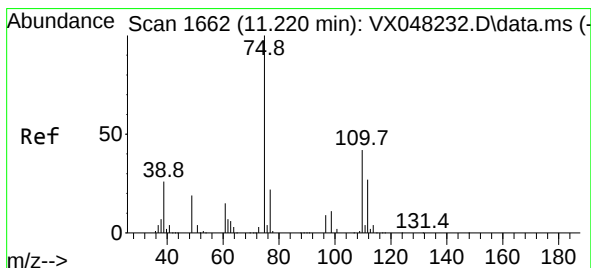
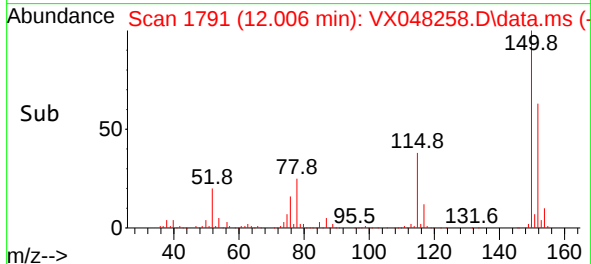
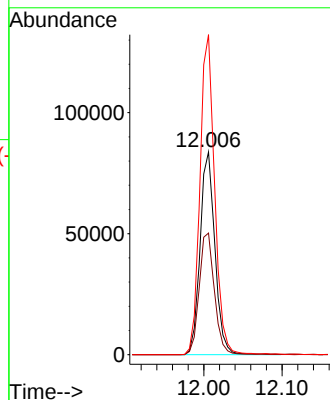
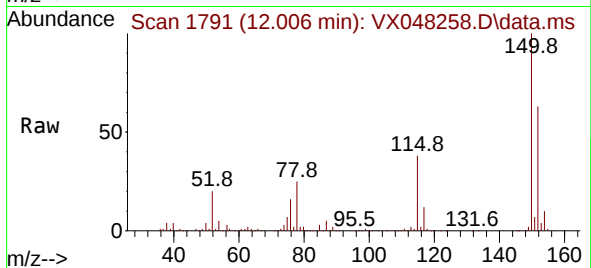




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX048258.D
 Acq: 21 Oct 2025 11:15

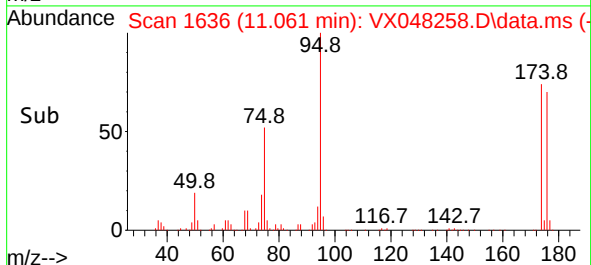
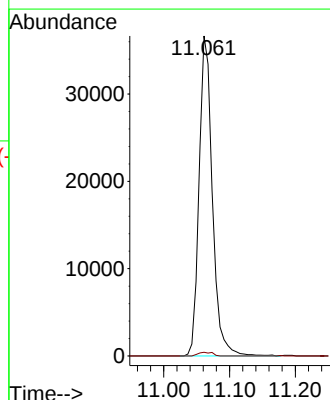
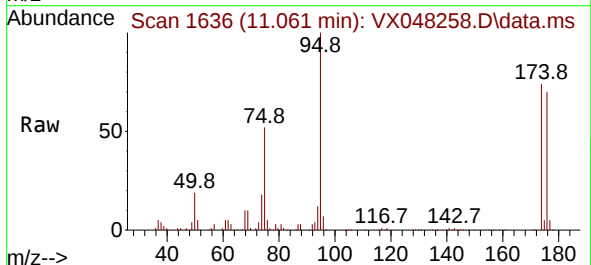
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-TB-20251010

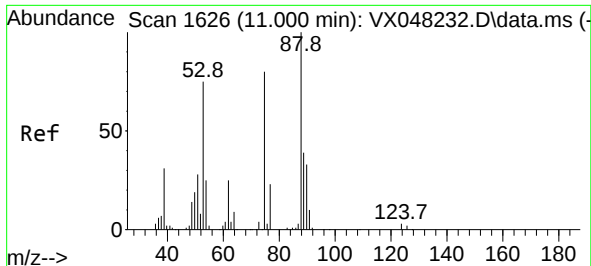
Tgt Ion:152 Resp: 110449
 Ion Ratio Lower Upper
 152 100
 115 61.7 43.1 129.4
 150 156.0 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 28.723 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.158 min
 Lab File: VX048258.D
 Acq: 21 Oct 2025 11:15

Tgt Ion: 75 Resp: 51446
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.4 67.2#

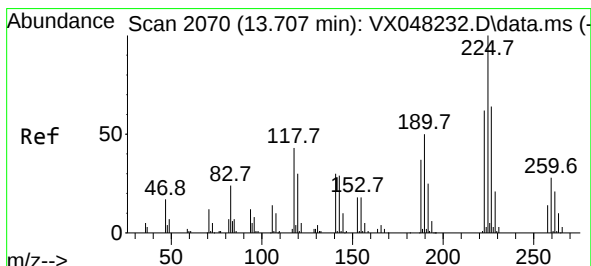
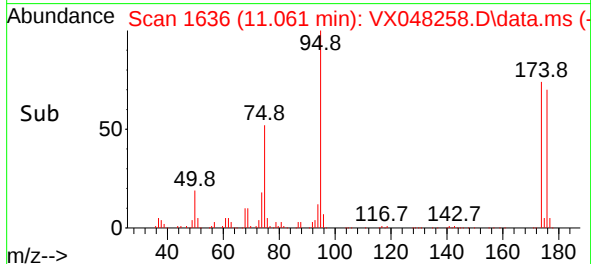
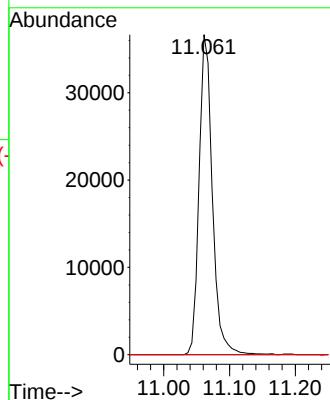
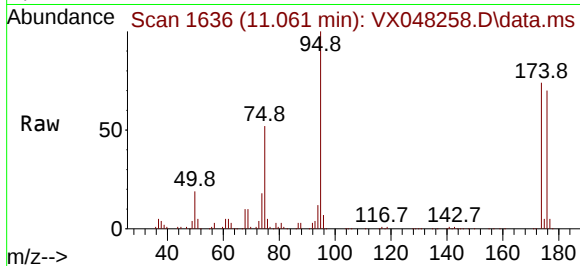




#81
trans-1,4-Dichloro-2-butene
Concen: 69.881 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251010

Tgt Ion: 75 Resp: 51446
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#



#94
Hexachlorobutadiene
Concen: 0.648 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048258.D
Acq: 21 Oct 2025 11:15

Tgt Ion: 225 Resp: 528
Ion Ratio Lower Upper
225 100
223 49.8 32.6 97.7
227 55.1 32.5 97.4

