

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
 Data File : VX048260.D
 Acq On : 21 Oct 2025 11:56
 Operator : JC/MD
 Sample : Q3371-06RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VPB184-HYD-20251016

Quant Time: Oct 24 04:26:36 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)

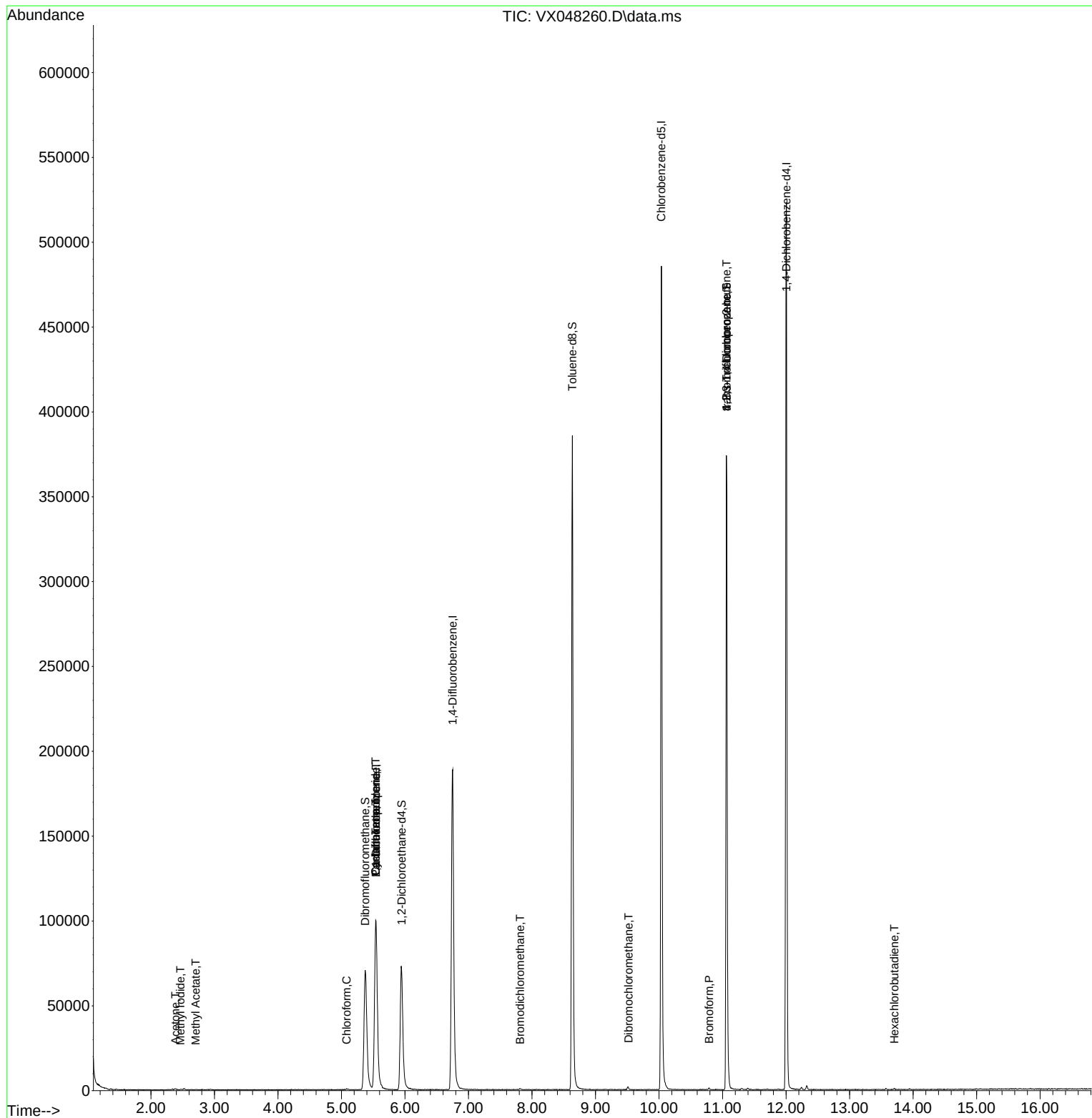
Internal Standards						
1) Pentafluorobenzene	5.544	168	105728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	214439	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	228141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	117921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81298	54.843	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.680%	
35) Dibromofluoromethane	5.373	113	69132	47.223	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.440%	
50) Toluene-d8	8.635	98	240280	46.826	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.660%	
62) 4-Bromofluorobenzene	11.061	95	108316	55.487	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.980%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	319	0.222	ug/l #	53
16) Acetone	2.386	43	744	1.463	ug/l #	73
18) Methyl Acetate	2.703	43	356	0.335	ug/l #	67
30) Chloroform	5.080	83	589	0.248	ug/l	90
31) Cyclohexane	5.538	56	2029	1.103	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	7824	3.760	ug/l #	52
38) Carbon Tetrachloride	5.538	117	11054	4.306	ug/l #	15
47) Bromodichloromethane	7.812	83	635	0.263	ug/l #	91
60) Dibromochloromethane	9.519	129	977	0.509	ug/l	97
71) Bromoform	10.787	173	437	0.290	ug/l #	92
76) 1,2,3-Trichloropropane	11.061	75	54965	28.743	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	54965	69.930	ug/l #	10
94) Hexachlorobutadiene	13.707	225	226	0.300	ug/l	81

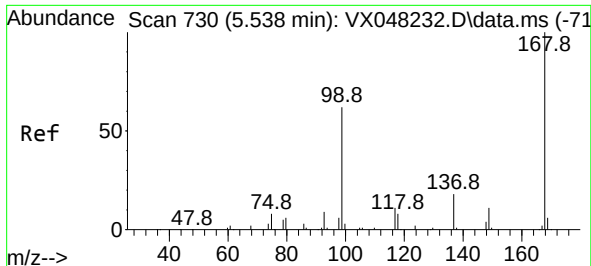
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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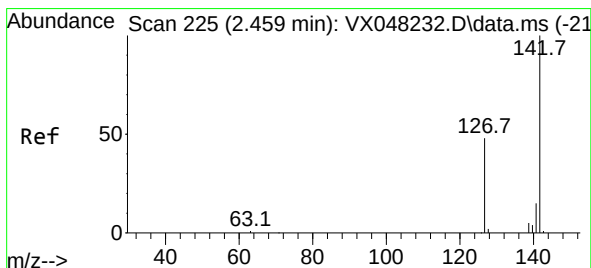
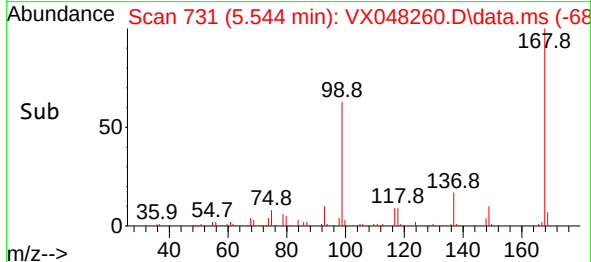
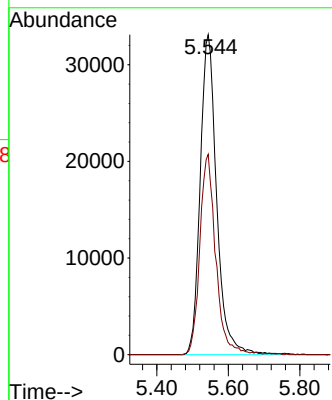
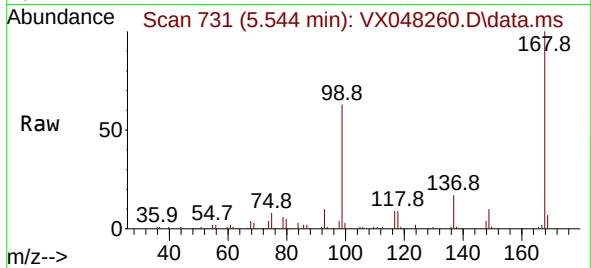




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

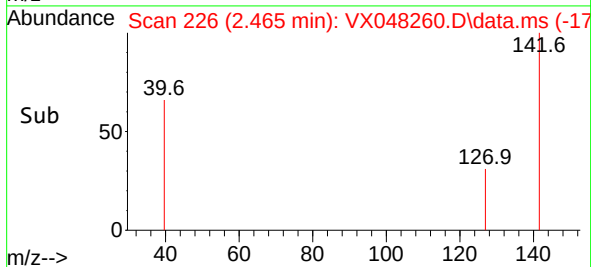
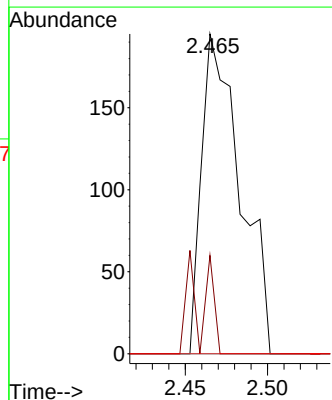
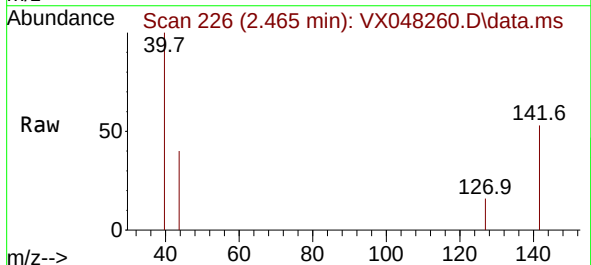
Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251016

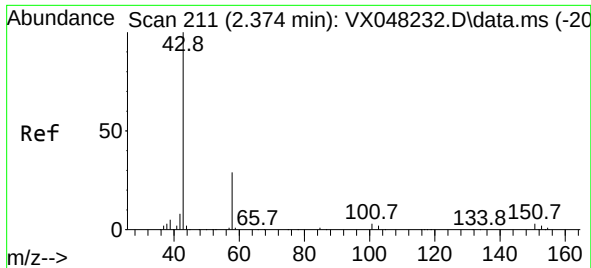
Tgt Ion:168 Resp: 105728
Ion Ratio Lower Upper
168 100
99 62.6 46.4 69.6



#10
Methyl Iodide
Concen: 0.222 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

Tgt Ion:142 Resp: 319
Ion Ratio Lower Upper
142 100
127 14.1 38.5 57.7#
141 0.0 11.6 17.4#

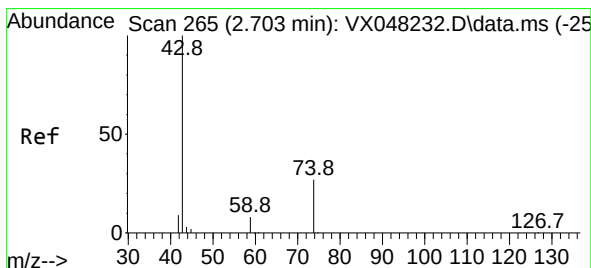
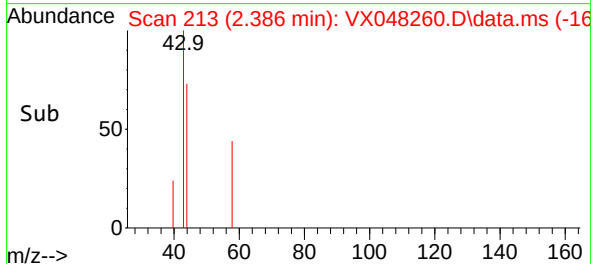
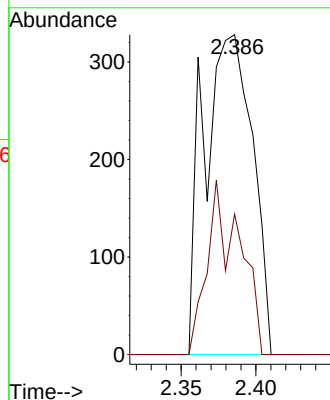
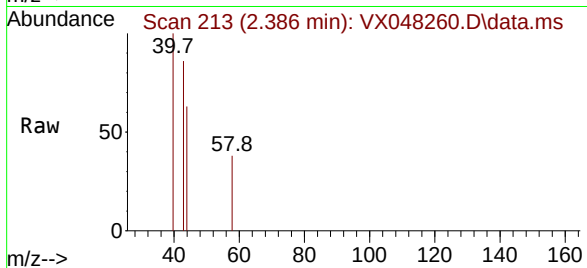




#16
Acetone
Concen: 1.463 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

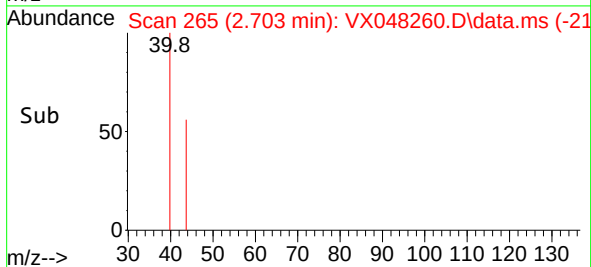
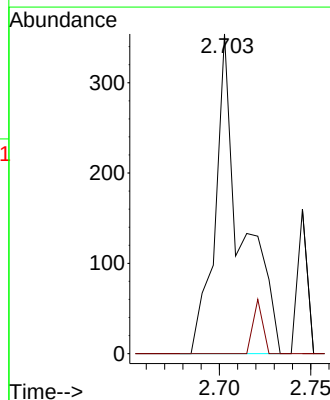
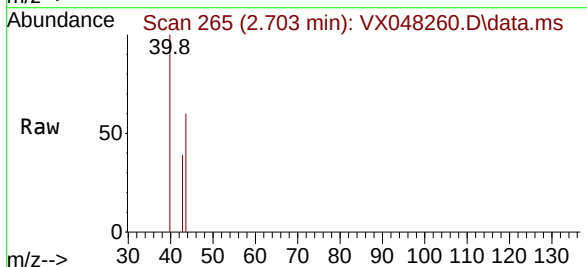
Instrument :
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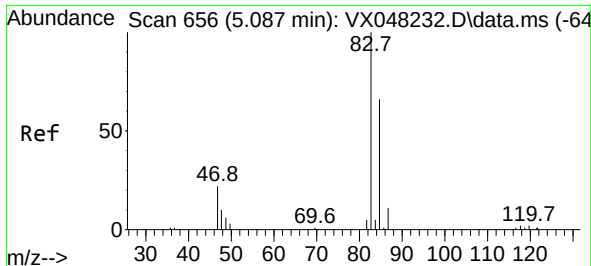
Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
58 43.9 23.4 35.2#



#18
Methyl Acetate
Concen: 0.335 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
74 6.2 17.5 26.3#





#30

Chloroform

Concen: 0.248 ug/l

RT: 5.080 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX048260.D

Acq: 21 Oct 2025 11:56

Instrument :

MSVOA_X

ClientSampleId :

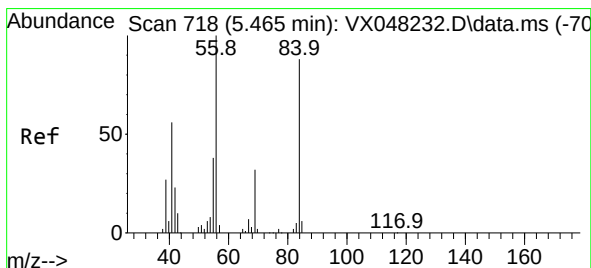
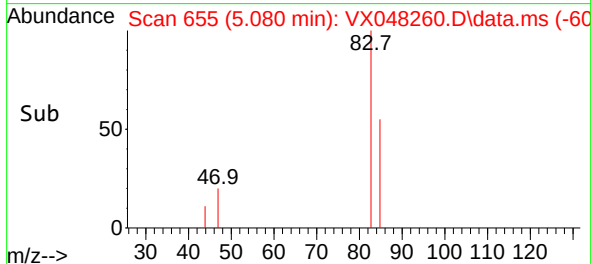
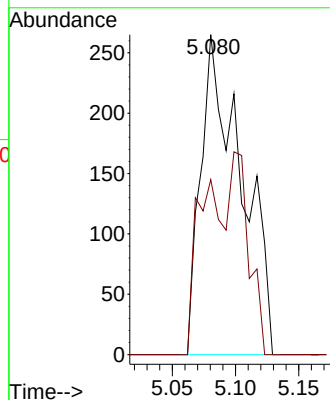
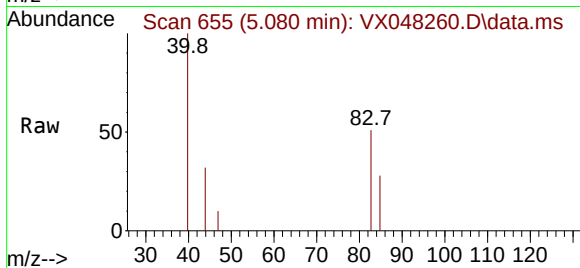
VPB184-HYD-20251016

Tgt Ion: 83 Resp: 589

Ion Ratio Lower Upper

83 100

85 54.7 50.1 75.1



#31

Cyclohexane

Concen: 1.103 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX048260.D

Acq: 21 Oct 2025 11:56

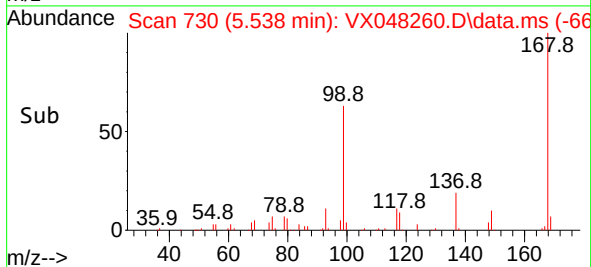
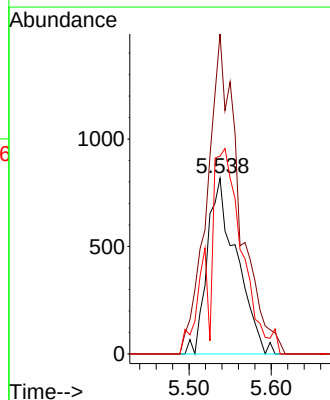
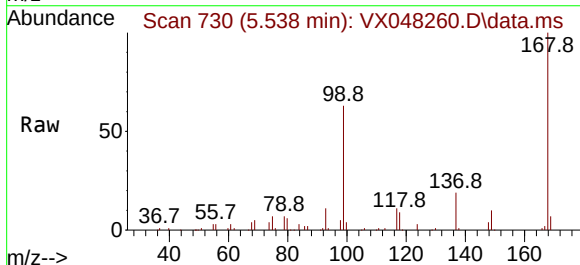
Tgt Ion: 56 Resp: 2029

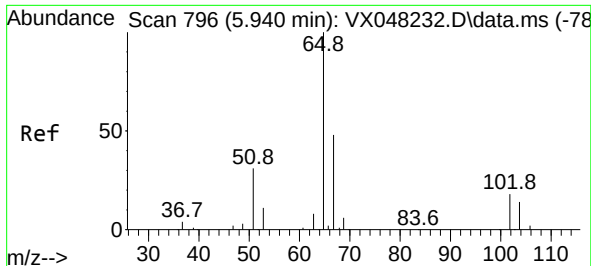
Ion Ratio Lower Upper

56 100

69 182.3 23.0 34.6#

84 112.7 64.6 97.0#

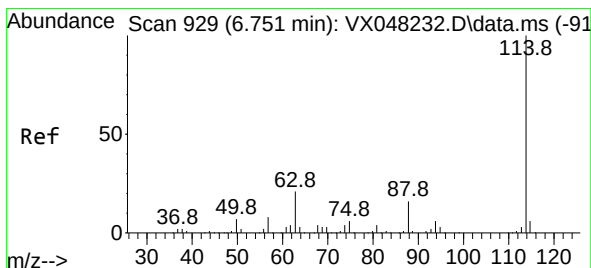
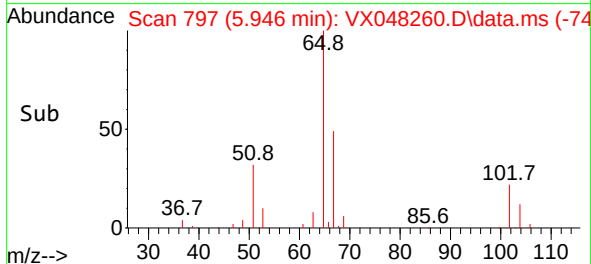
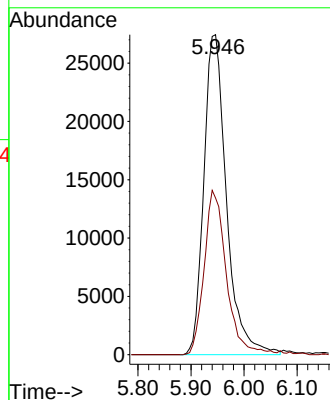
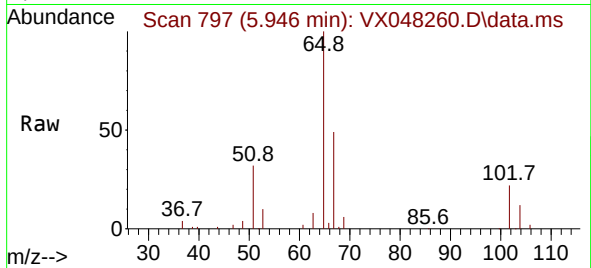




#33
 1,2-Dichloroethane-d4
 Concen: 54.843 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX048260.D
 Acq: 21 Oct 2025 11:56

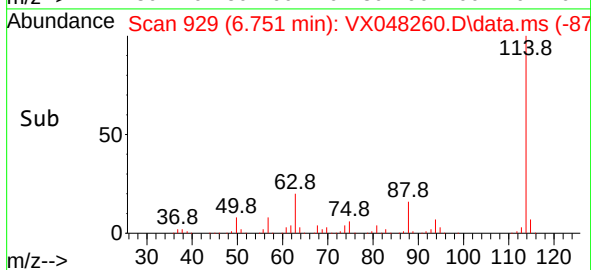
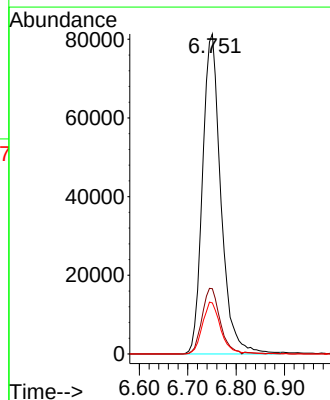
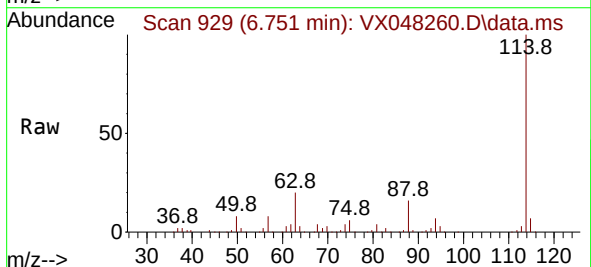
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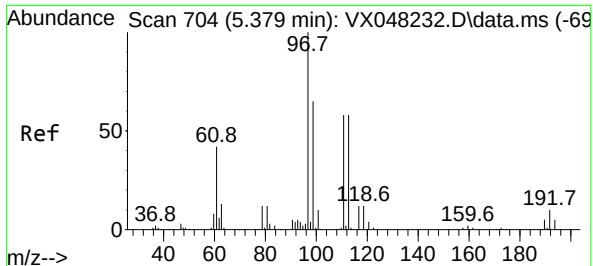
Tgt Ion: 65 Resp: 81298
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048260.D
 Acq: 21 Oct 2025 11:56

Tgt Ion: 114 Resp: 214439
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.2
 88 15.9 0.0 33.6

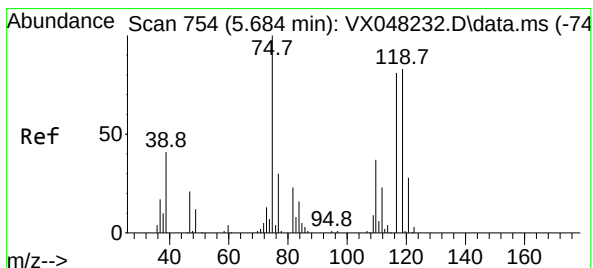
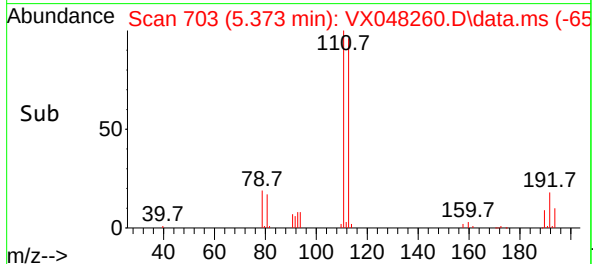
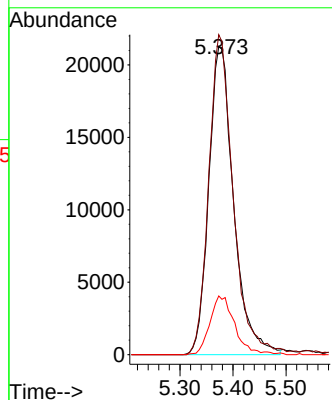
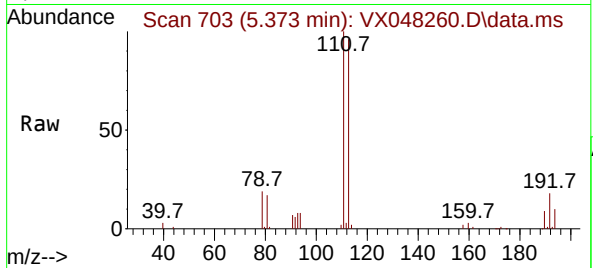




#35
Dibromofluoromethane
Concen: 47.223 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

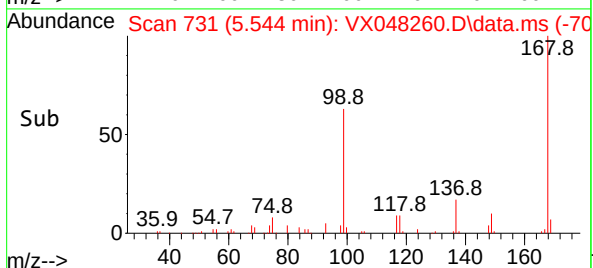
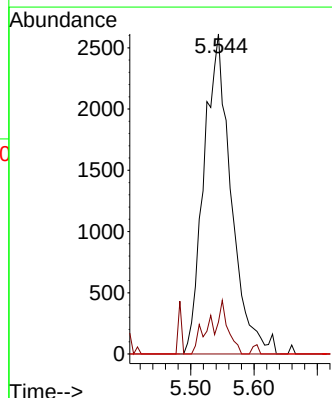
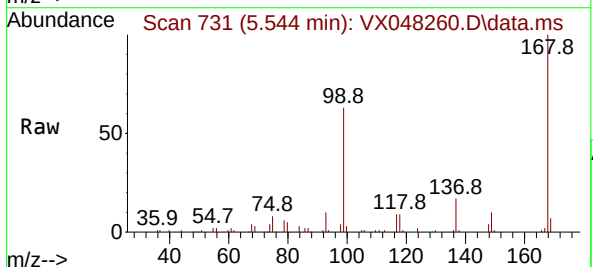
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VPB184-HYD-20251016

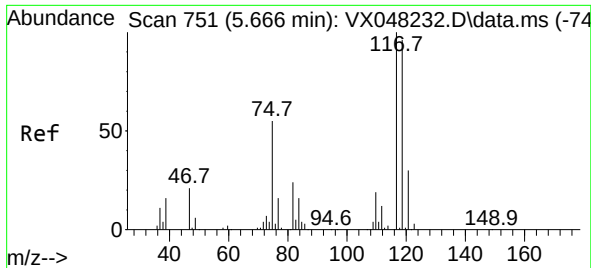
Tgt Ion:113 Resp: 69132
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 19.1 15.1 22.7



#36
1,1-Dichloropropene
Concen: 3.760 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

Tgt Ion: 75 Resp: 7824
Ion Ratio Lower Upper
75 100
110 11.1 17.7 53.1#
77 0.0 24.3 36.5#

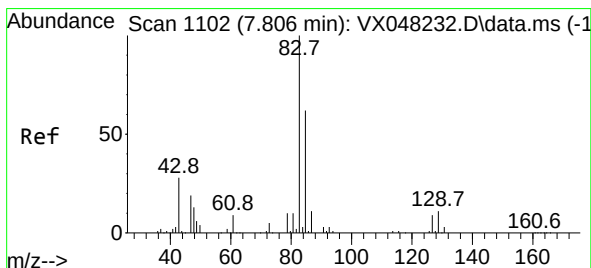
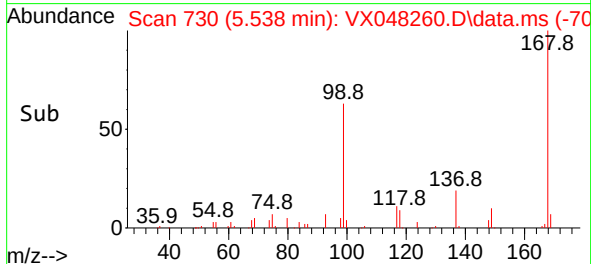
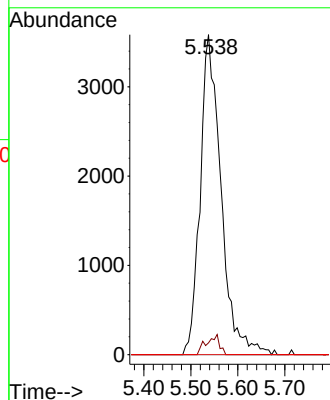
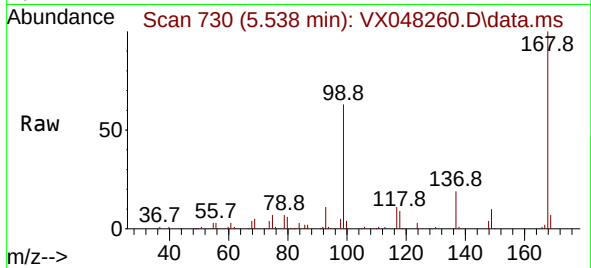




#38
Carbon Tetrachloride
Concen: 4.306 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

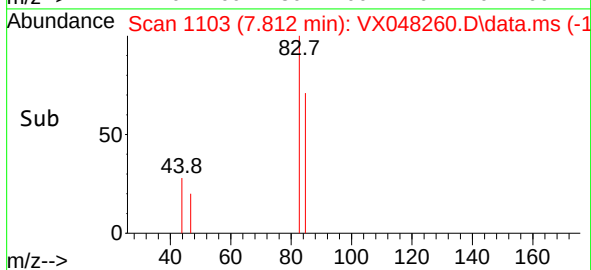
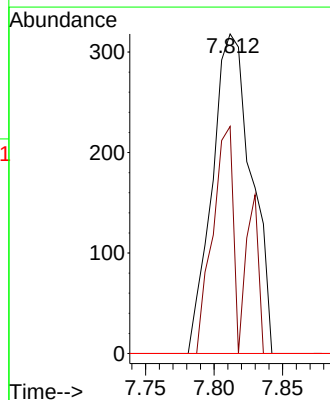
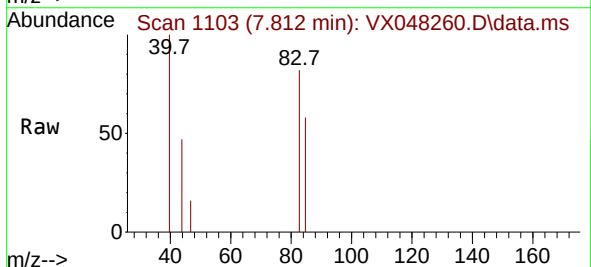
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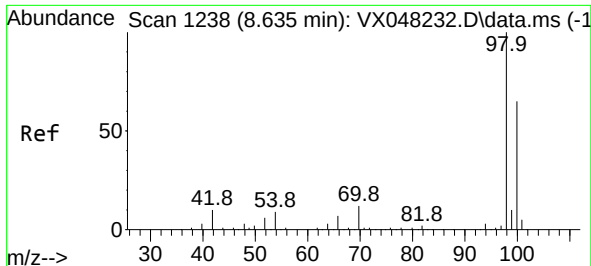
Tgt Ion:117 Resp: 11054
Ion Ratio Lower Upper
117 100
119 3.7 77.2 115.8#
121 0.0 24.8 37.2#



#47
Bromodichloromethane
Concen: 0.263 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

Tgt Ion: 83 Resp: 635
Ion Ratio Lower Upper
83 100
85 71.1 52.2 78.4
127 0.0 7.3 10.9#

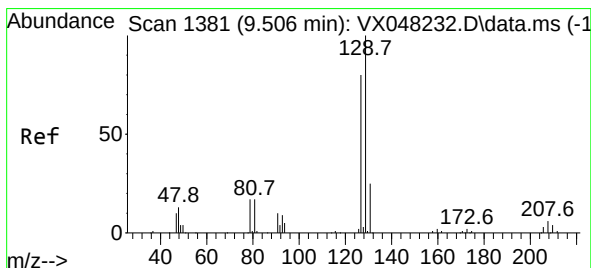
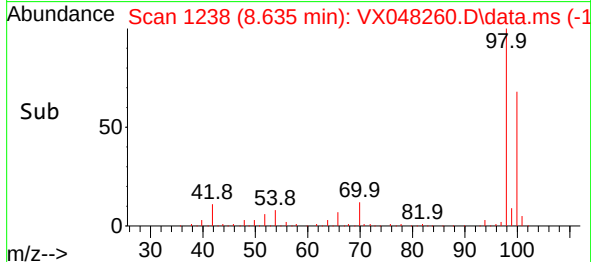
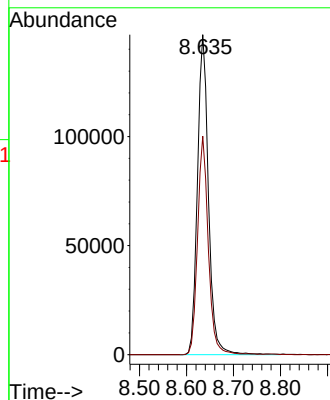
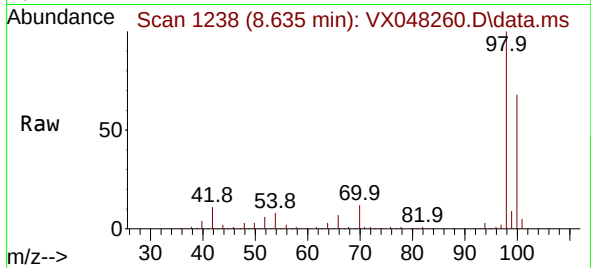




#50
Toluene-d8
Concen: 46.826 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

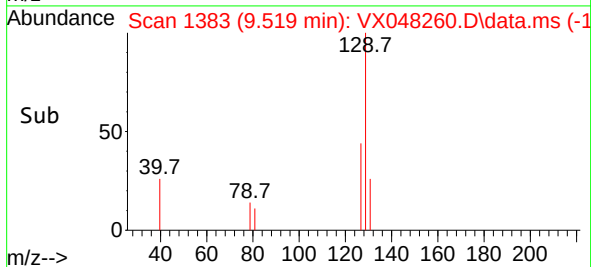
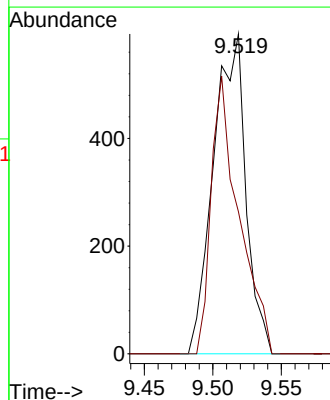
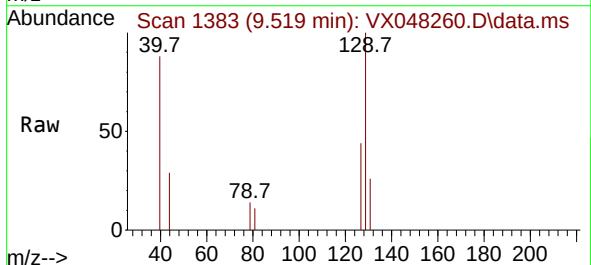
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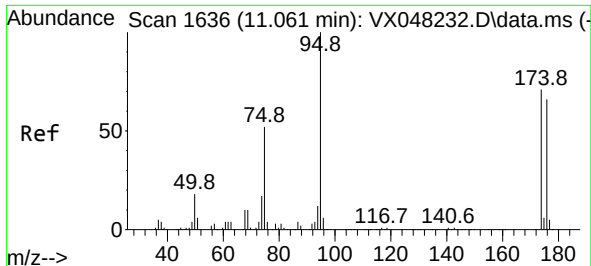
Tgt Ion: 98 Resp: 240280
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#60
Dibromochloromethane
Concen: 0.509 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.012 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

Tgt Ion: 129 Resp: 977
Ion Ratio Lower Upper
129 100
127 74.2 38.6 115.7





#62

4-Bromofluorobenzene

Concen: 55.487 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048260.D

Acq: 21 Oct 2025 11:56

Instrument :

MSVOA_X

ClientSampleId :

VPB184-HYD-20251016

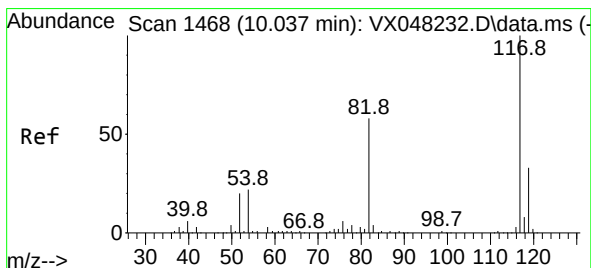
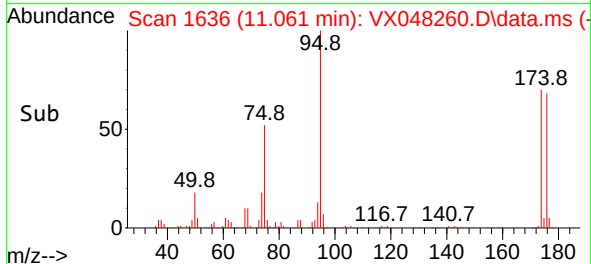
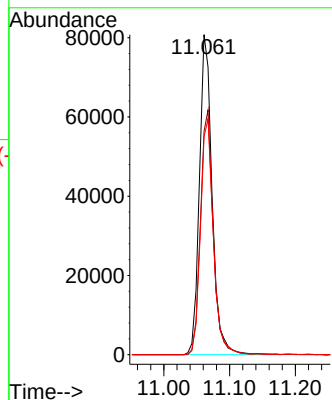
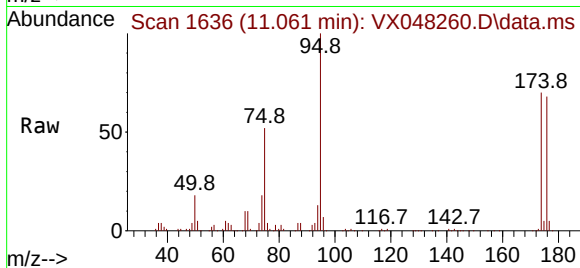
Tgt Ion: 95 Resp: 108316

Ion Ratio Lower Upper

95 100

174 76.8 0.0 147.8

176 74.7 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: VX048260.D

Acq: 21 Oct 2025 11:56

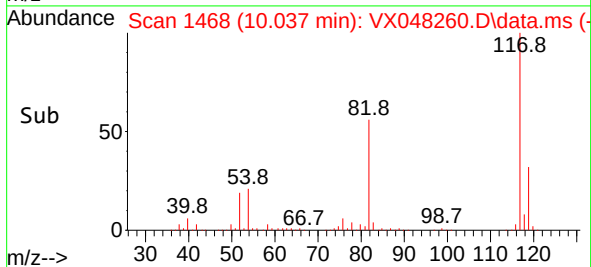
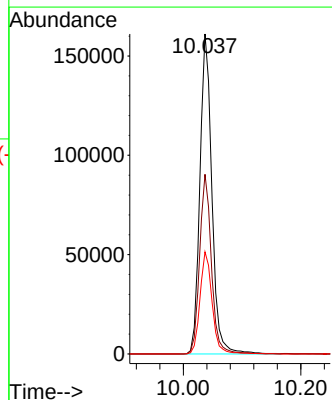
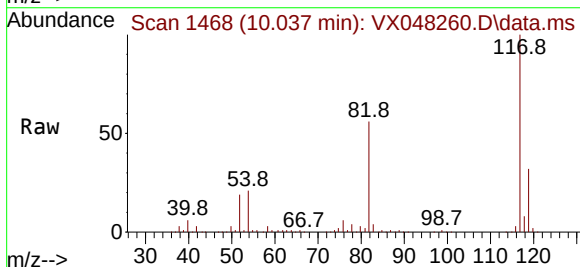
Tgt Ion: 117 Resp: 228141

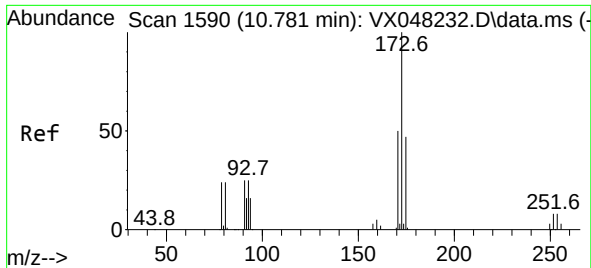
Ion Ratio Lower Upper

117 100

82 56.2 46.5 69.7

119 31.9 25.9 38.9

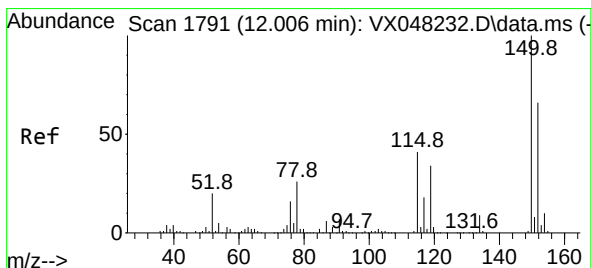
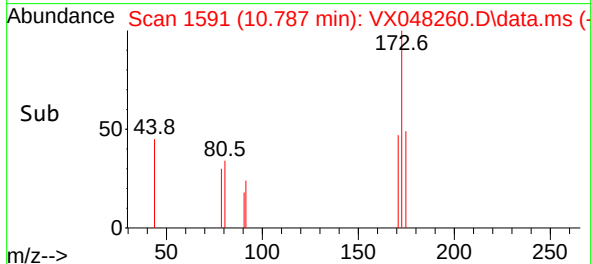
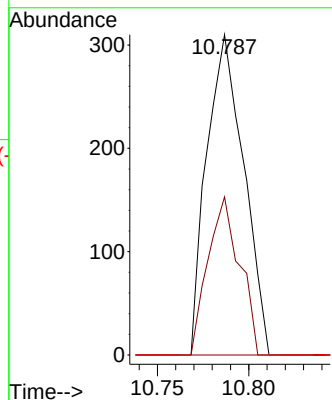
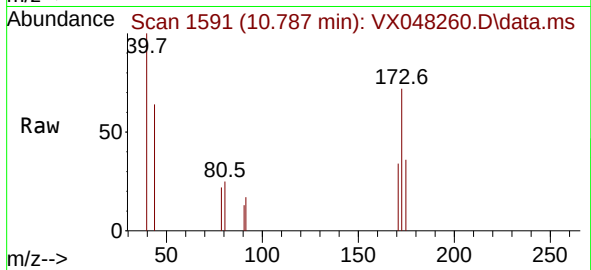




#71
Bromoform
Concen: 0.290 ug/l
RT: 10.787 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

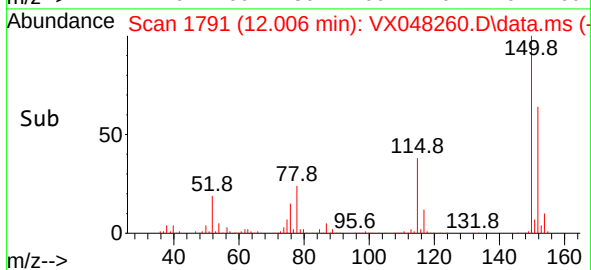
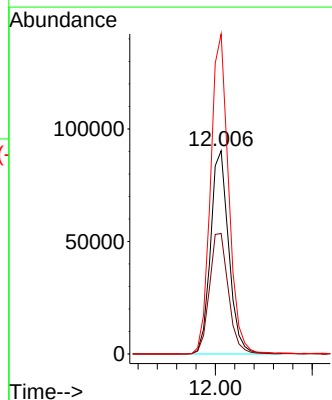
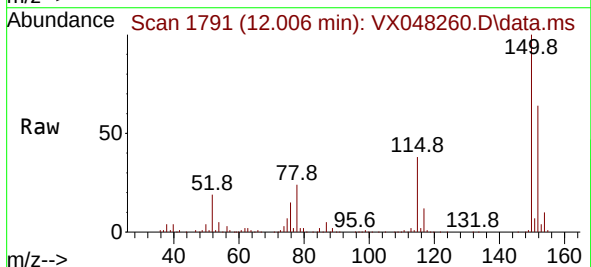
Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251016

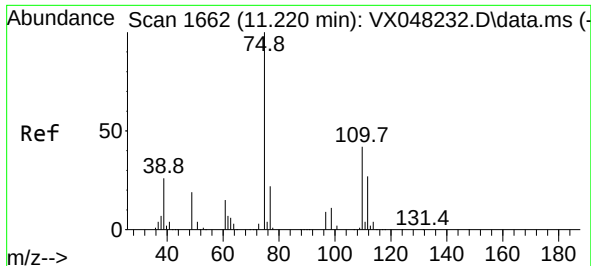
Tgt Ion:173 Resp: 437
Ion Ratio Lower Upper
173 100
175 42.3 24.0 72.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

Tgt Ion:152 Resp: 117921
Ion Ratio Lower Upper
152 100
115 61.9 43.1 129.4
150 156.6 0.0 353.0

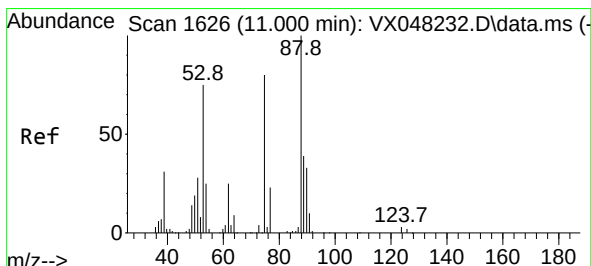
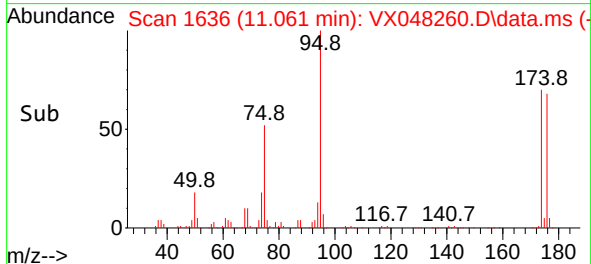
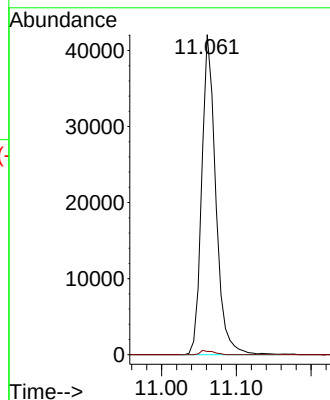
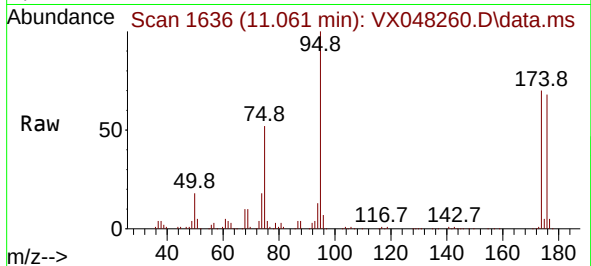




#76
1,2,3-Trichloropropane
Concen: 28.743 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

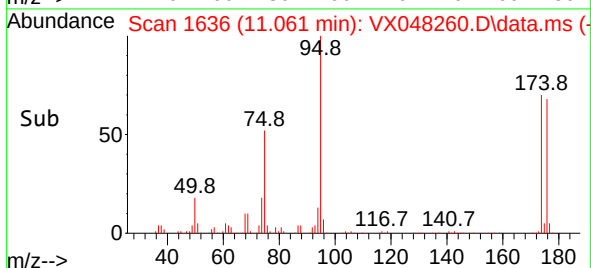
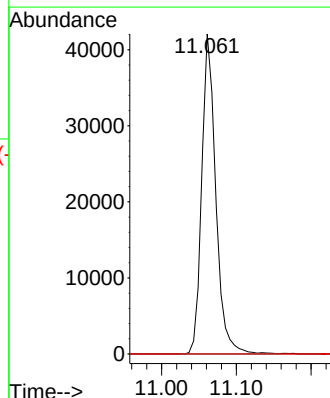
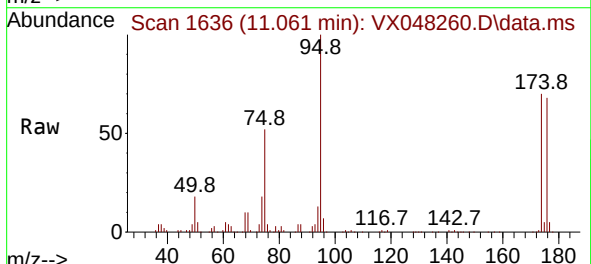
Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251016

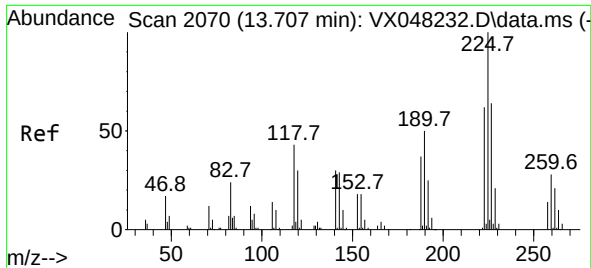
Tgt Ion: 75 Resp: 54965
Ion Ratio Lower Upper
75 100
77 1.2 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.930 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048260.D
Acq: 21 Oct 2025 11:56

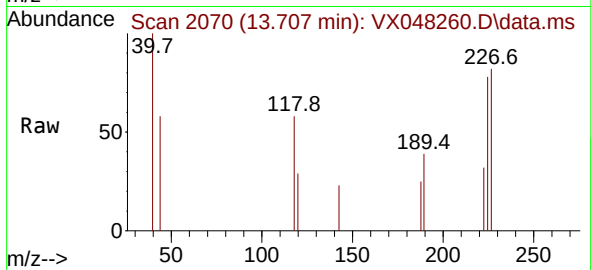
Tgt Ion: 75 Resp: 54965
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#





#94
 Hexachlorobutadiene
 Concen: 0.300 ug/l
 RT: 13.707 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VX048260.D
 Acq: 21 Oct 2025 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VPB184-HYD-20251016



Tgt Ion:	225	Resp:	226
Ion	Ratio	Lower	Upper
225	100		
223	48.7	32.6	97.7
227	78.3	32.5	97.4

