

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101025\
 Data File : VX048107.D
 Acq On : 10 Oct 2025 13:31
 Operator : JC/MD
 Sample : Q3324-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-760-762

Quant Time: Oct 10 23:47:41 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)

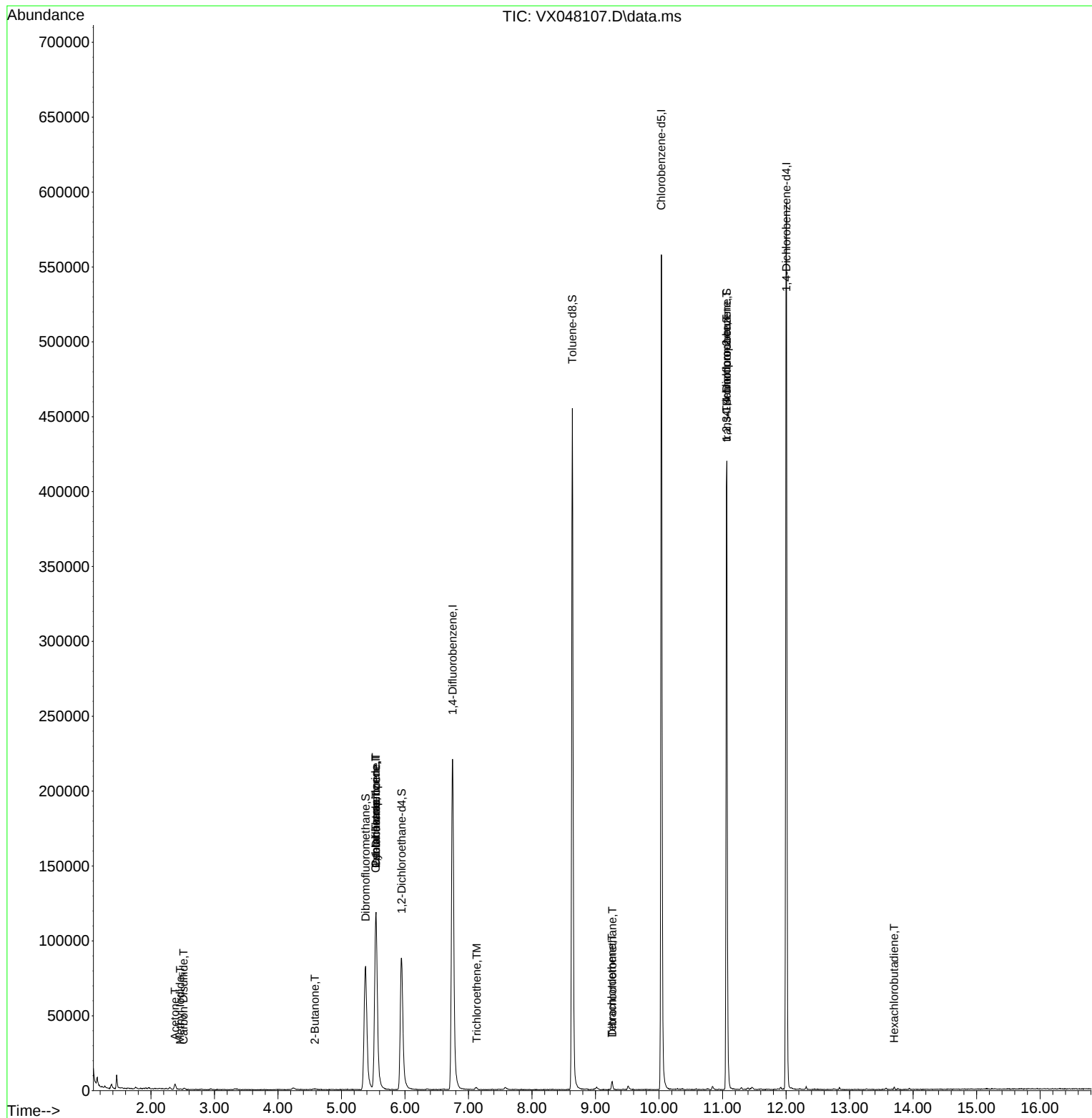
Internal Standards						
1) Pentafluorobenzene	5.544	168	118203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	242254	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	251104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	99149	52.697	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.400%	
35) Dibromofluoromethane	5.379	113	79623	49.008	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.020%	
50) Toluene-d8	8.635	98	274544	48.836	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.680%	
62) 4-Bromofluorobenzene	11.067	95	117977	55.296	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.600%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.459	142	586	0.275	ug/l #	84
16) Acetone	2.380	43	4617	5.644	ug/l #	87
17) Carbon Disulfide	2.514	76	958	0.249	ug/l #	76
25) 2-Butanone	4.580	43	593	0.581	ug/l #	35
31) Cyclohexane	5.544	56	2926	1.177	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9993	4.209	ug/l #	47
38) Carbon Tetrachloride	5.538	117	12869	4.989	ug/l #	17
44) Trichloroethene	7.129	130	643	0.369	ug/l	96
60) Dibromochloromethane	9.262	129	963	0.488	ug/l #	11
64) Tetrachloroethene	9.256	164	937	0.572	ug/l #	81
76) 1,2,3-Trichloropropane	11.061	75	63470	24.738	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.061	75	63470	63.085	ug/l #	8
94) Hexachlorobutadiene	13.701	225	325	0.351	ug/l	94

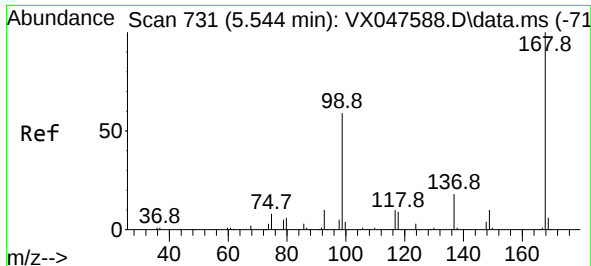
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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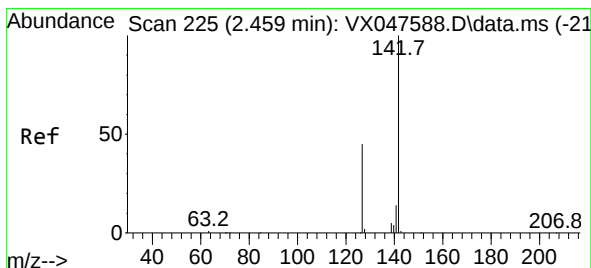
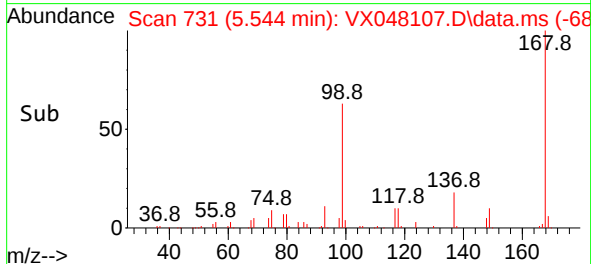
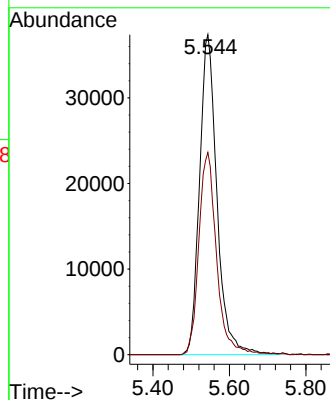
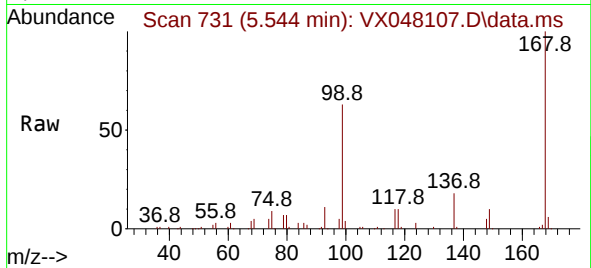




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

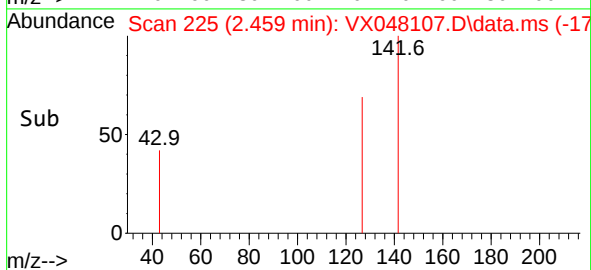
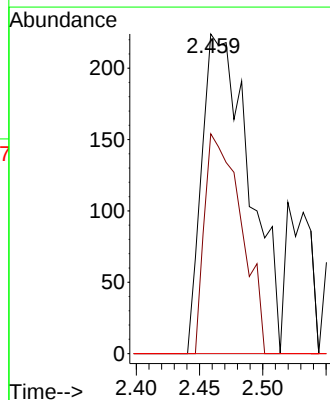
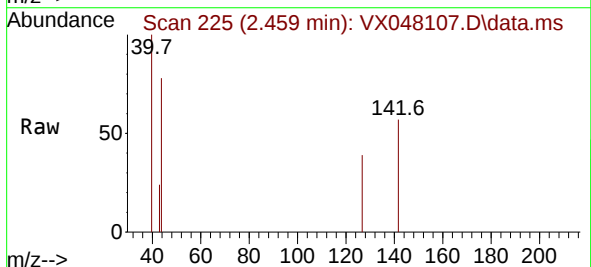
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-760-762

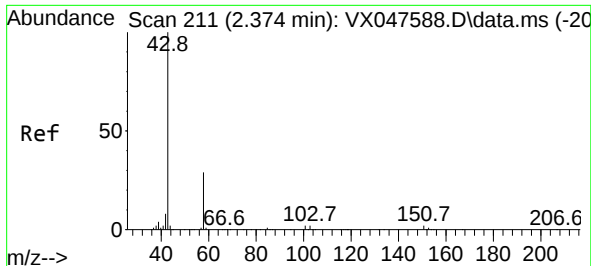
Tgt Ion:168 Resp: 118203
Ion Ratio Lower Upper
168 100
99 63.2 48.8 73.2



#10
Methyl Iodide
Concen: 0.275 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

Tgt Ion:142 Resp: 586
Ion Ratio Lower Upper
142 100
127 53.1 37.2 55.8
141 0.0 11.4 17.0#

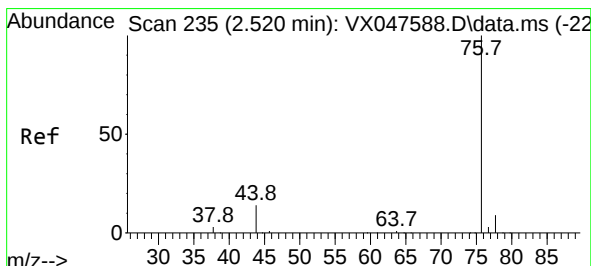
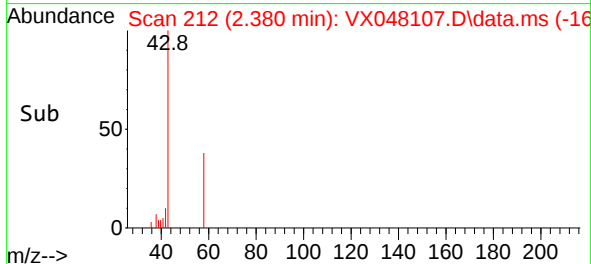
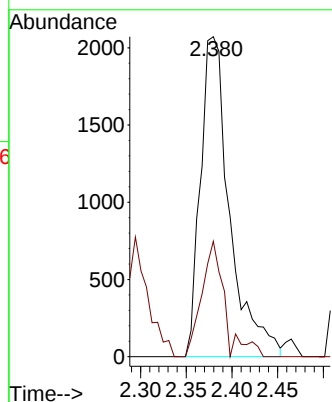
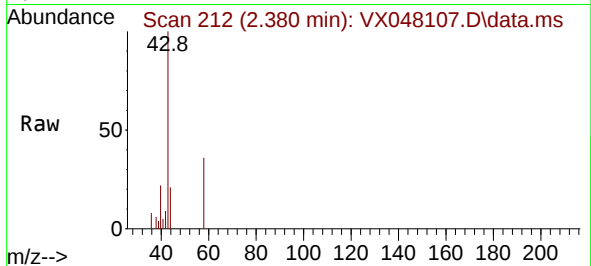




#16
Acetone
Concen: 5.644 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

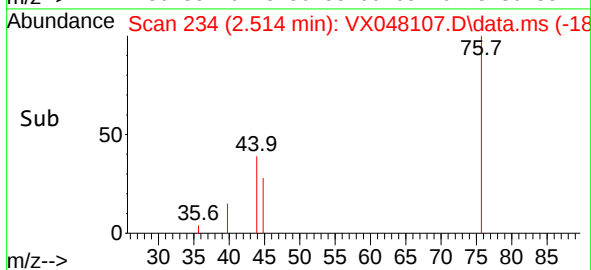
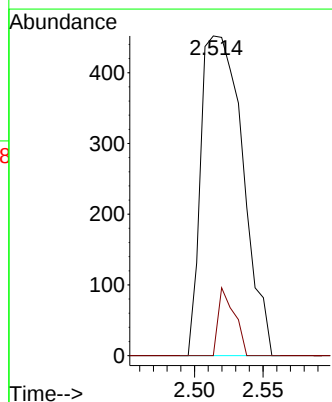
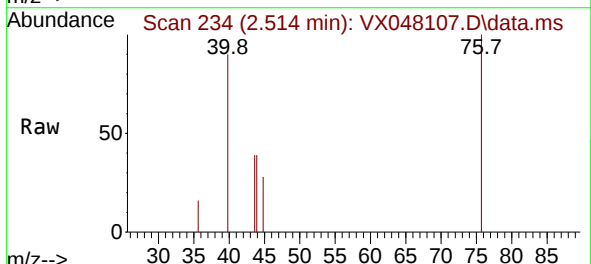
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-760-762

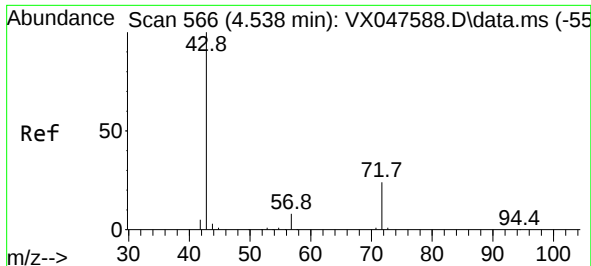
Tgt Ion: 43 Resp: 4617
Ion Ratio Lower Upper
43 100
58 36.1 23.4 35.0#



#17
Carbon Disulfide
Concen: 0.249 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

Tgt Ion: 76 Resp: 958
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#





#25

2-Butanone

Concen: 0.581 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX048107.D

Acq: 10 Oct 2025 13:31

Instrument :

MSVOA_X

ClientSampleId :

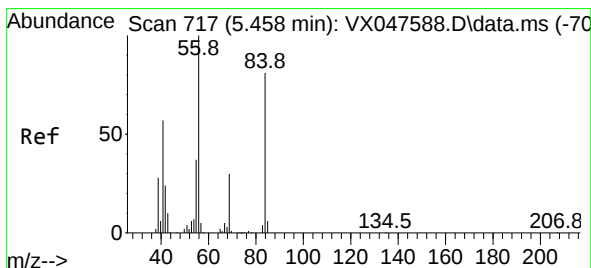
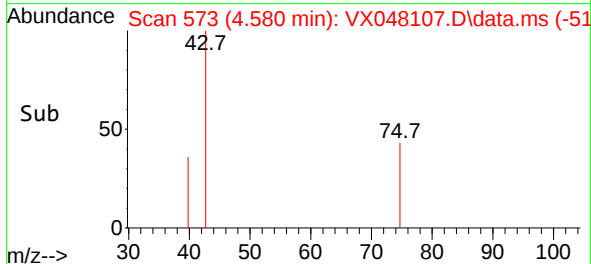
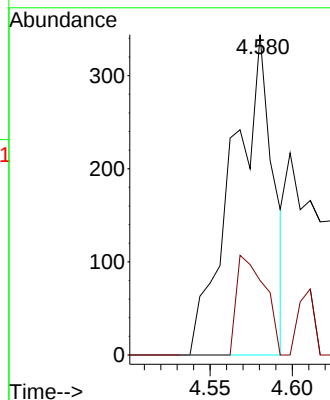
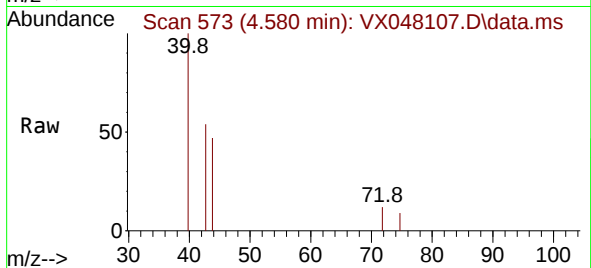
BP-VPB-184-GW-760-762

Tgt Ion: 43 Resp: 593

Ion Ratio Lower Upper

43 100

72 57.6 20.1 30.1#



#31

Cyclohexane

Concen: 1.177 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX048107.D

Acq: 10 Oct 2025 13:31

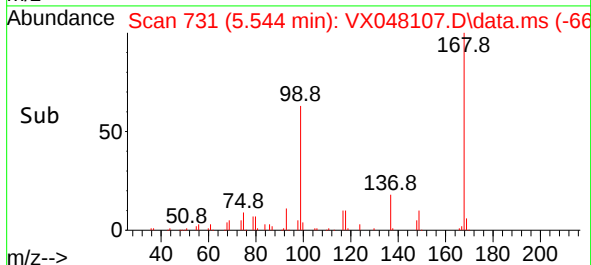
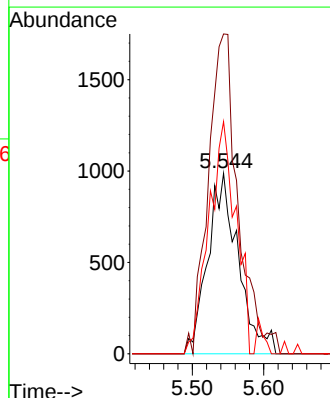
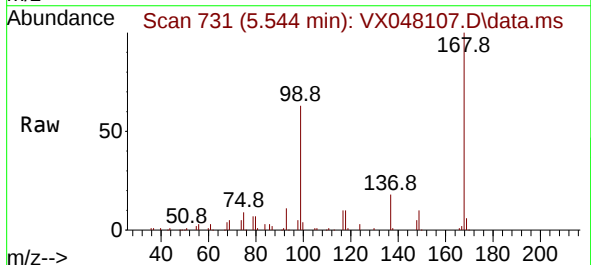
Tgt Ion: 56 Resp: 2926

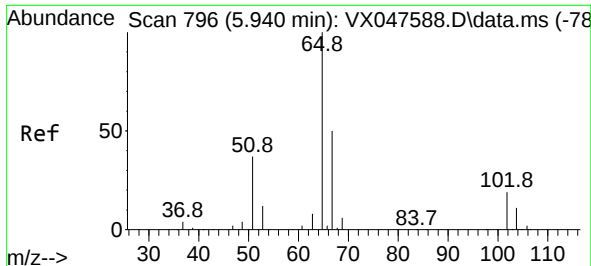
Ion Ratio Lower Upper

56 100

69 177.1 23.8 35.8#

84 128.5 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 52.697 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048107.D

Acq: 10 Oct 2025 13:31

Instrument :

MSVOA_X

ClientSampleId :

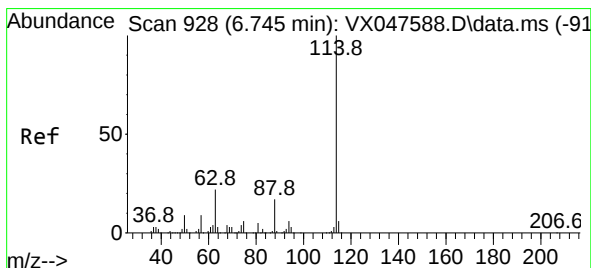
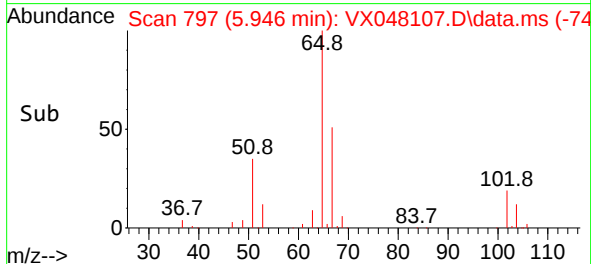
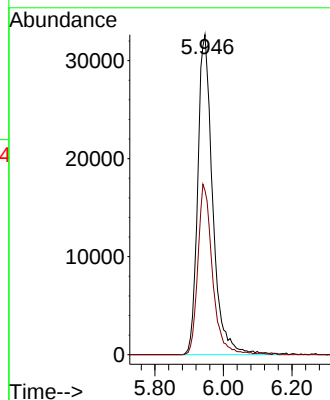
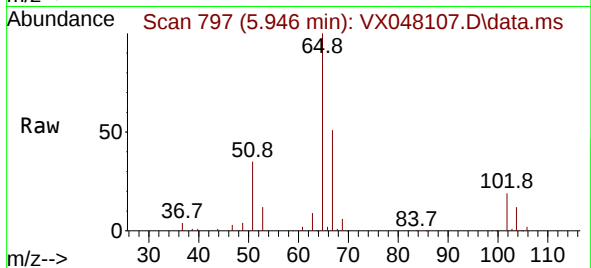
BP-VPB-184-GW-760-762

Tgt Ion: 65 Resp: 99149

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048107.D

Acq: 10 Oct 2025 13:31

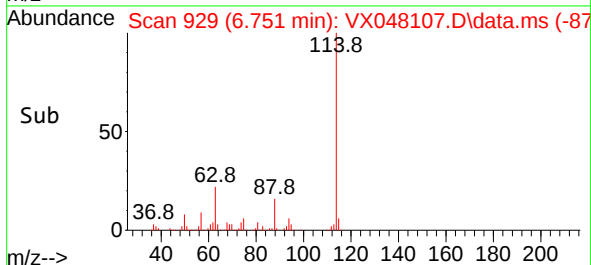
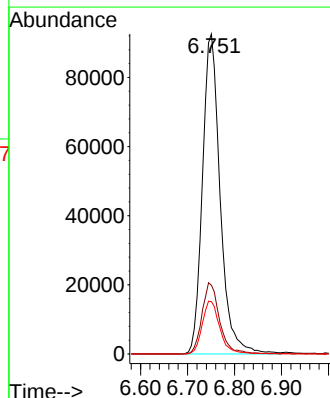
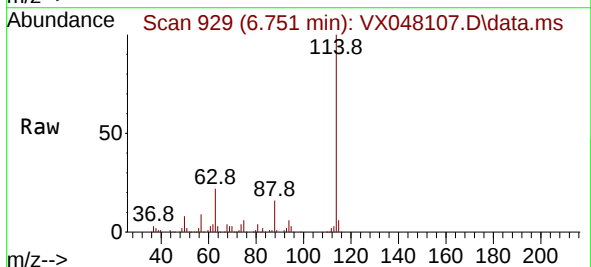
Tgt Ion: 114 Resp: 242254

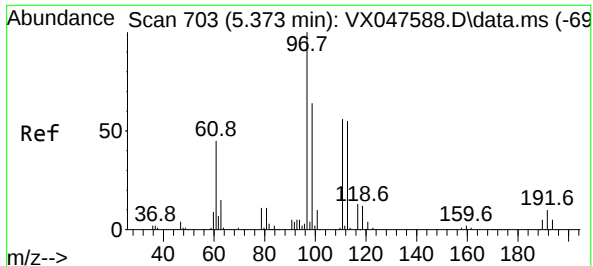
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.0

88 16.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.008 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048107.D

Acq: 10 Oct 2025 13:31

Instrument :

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ClientSampleId :

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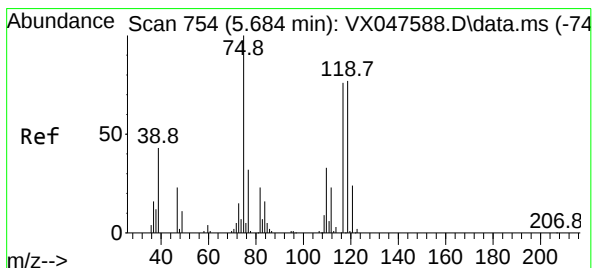
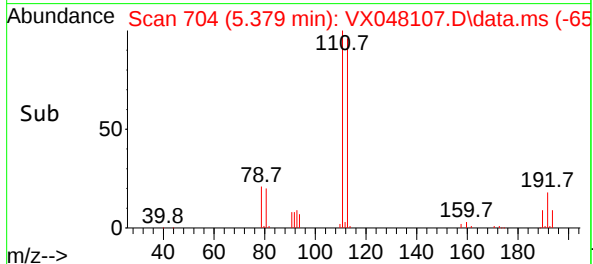
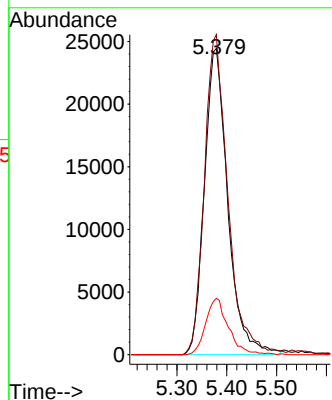
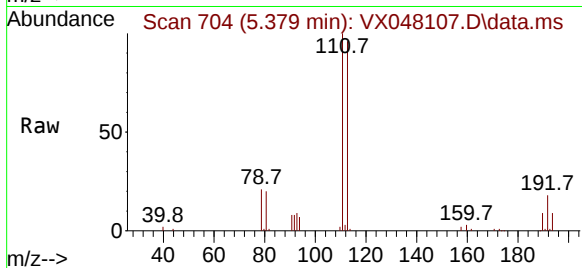
Tgt Ion:113 Resp: 79623

Ion Ratio Lower Upper

113 100

111 104.7 80.9 121.3

192 17.9 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.209 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX048107.D

Acq: 10 Oct 2025 13:31

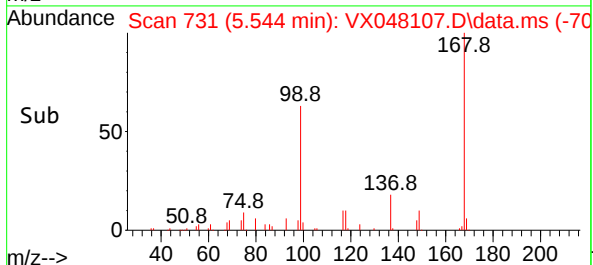
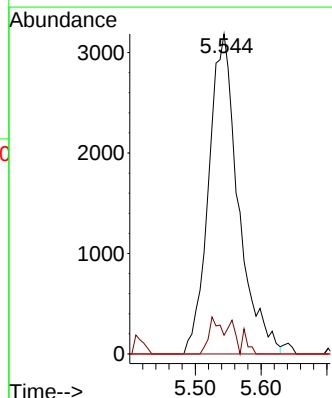
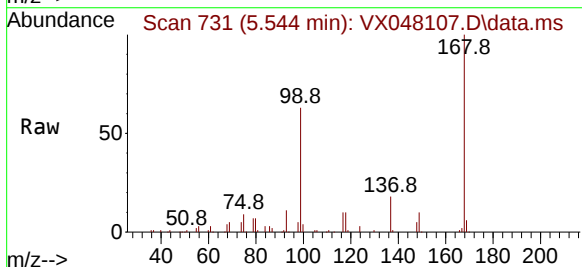
Tgt Ion: 75 Resp: 9993

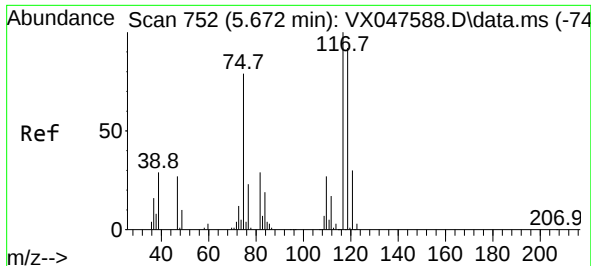
Ion Ratio Lower Upper

75 100

110 4.9 16.7 50.1#

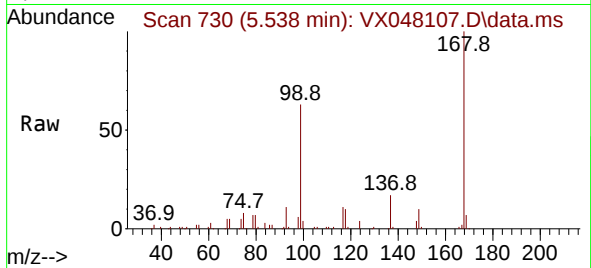
77 0.0 24.3 36.5#



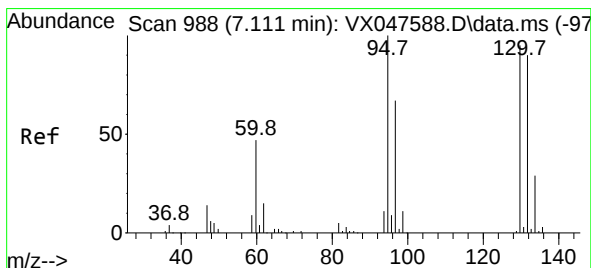
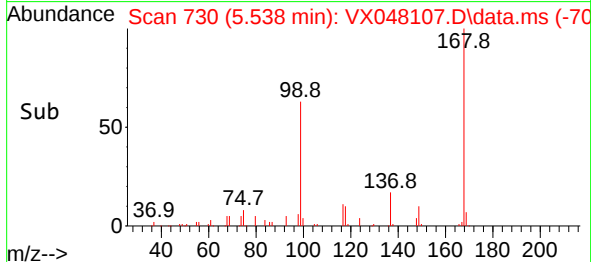
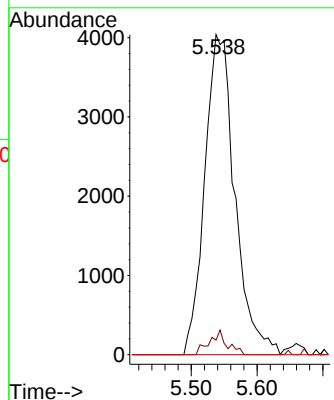


#38
Carbon Tetrachloride
Concen: 4.989 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

Instrument :
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ClientSampleId :
BP-VPB-184-GW-760-762

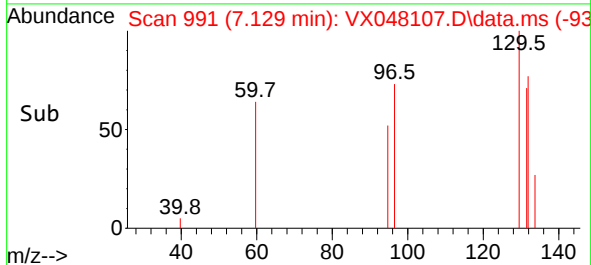
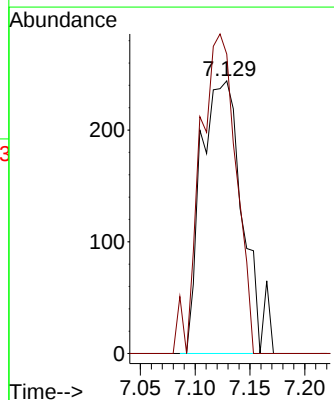
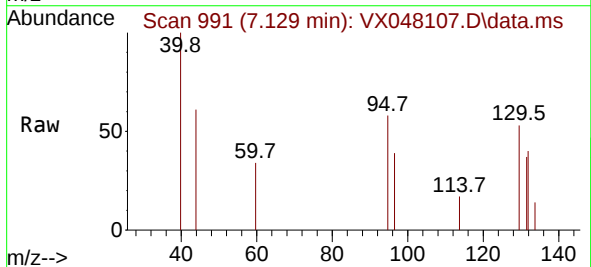


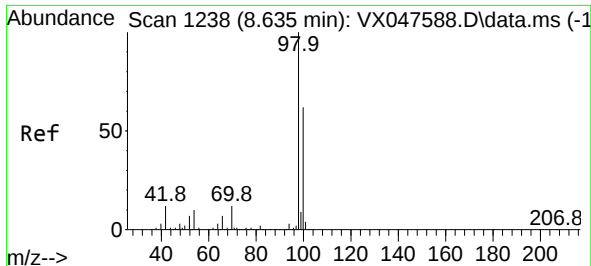
Tgt Ion:117 Resp: 12869
Ion Ratio Lower Upper
117 100
119 4.6 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 0.369 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.018 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

Tgt Ion:130 Resp: 643
Ion Ratio Lower Upper
130 100
95 109.8 0.0 210.8

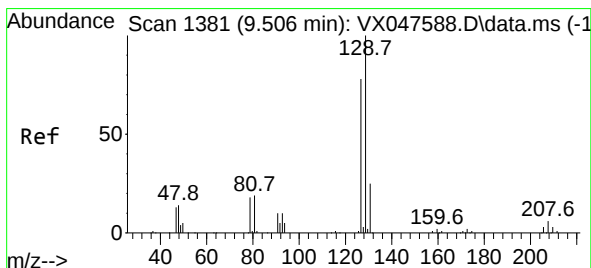
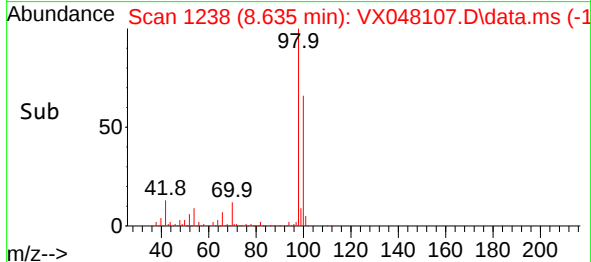
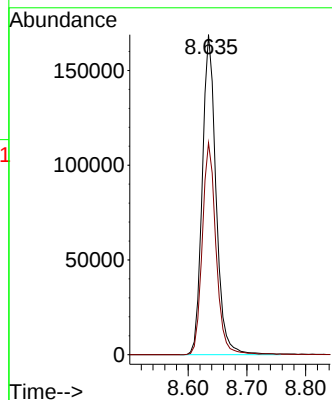
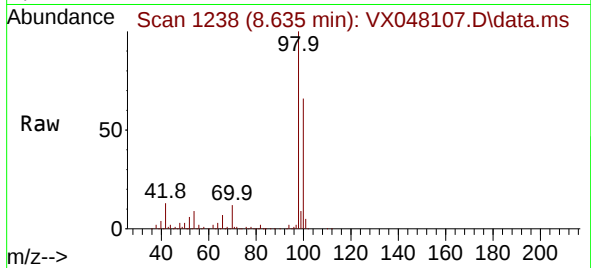




#50
Toluene-d8
Concen: 48.836 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

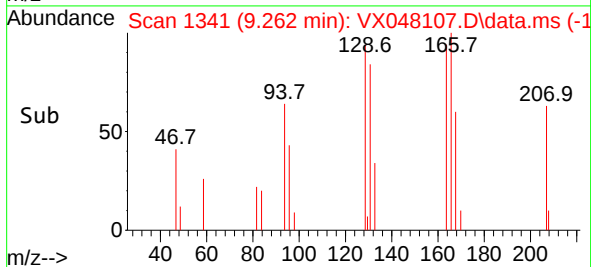
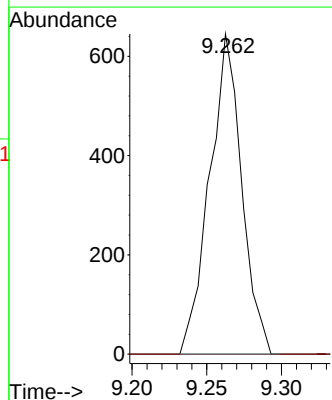
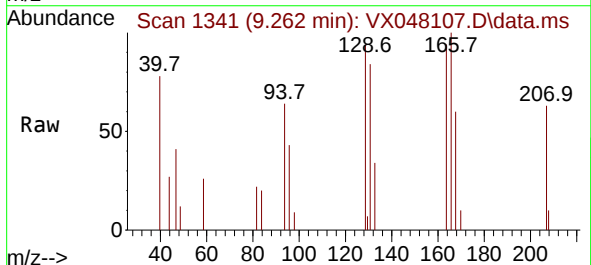
Instrument :
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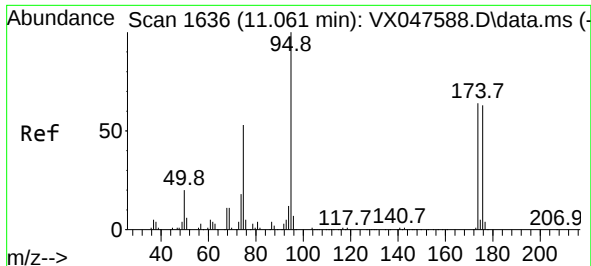
Tgt Ion: 98 Resp: 274544
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#60
Dibromochloromethane
Concen: 0.488 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

Tgt Ion: 129 Resp: 963
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

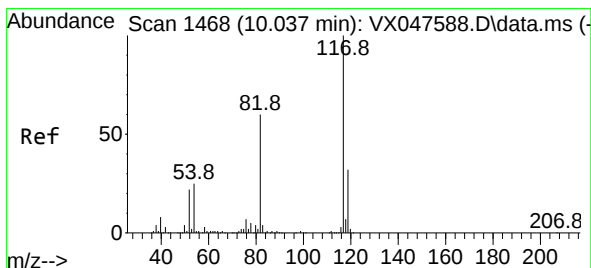
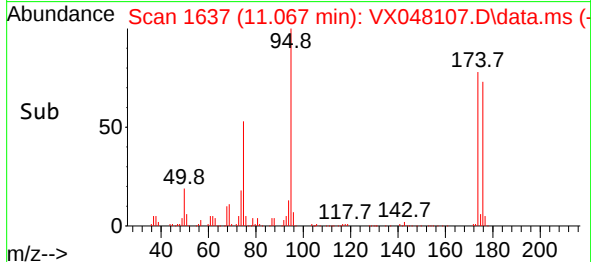
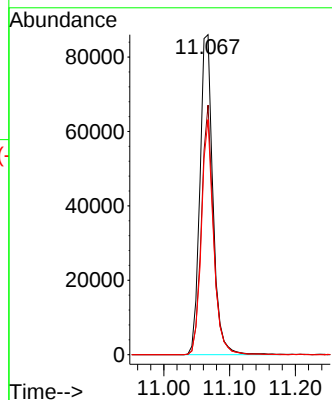
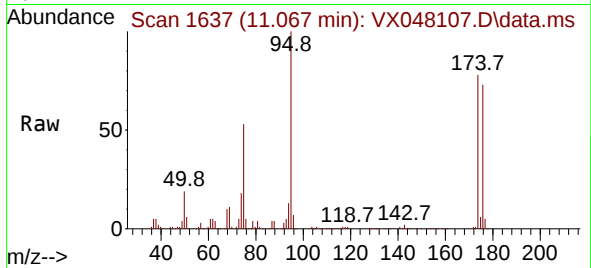




#62
4-Bromofluorobenzene
Concen: 55.296 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

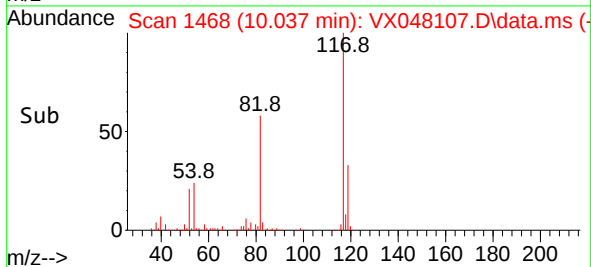
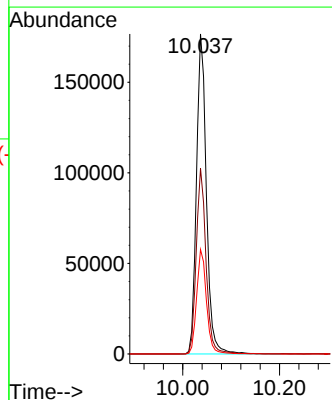
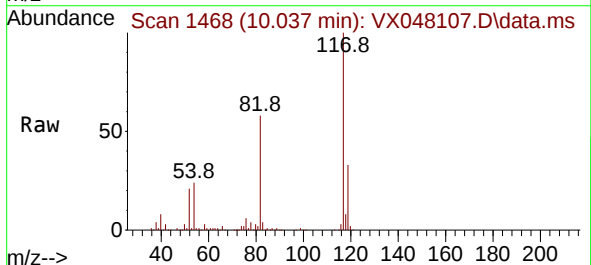
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-760-762

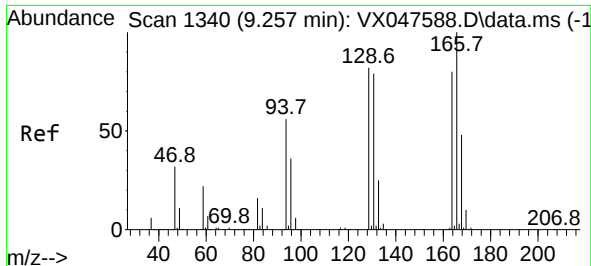
Tgt Ion: 95 Resp: 117977
Ion Ratio Lower Upper
95 100
174 72.5 0.0 141.6
176 69.0 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

Tgt Ion: 117 Resp: 251104
Ion Ratio Lower Upper
117 100
82 58.0 47.8 71.6
119 32.7 25.2 37.8

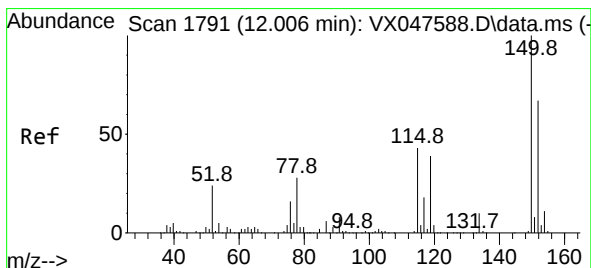
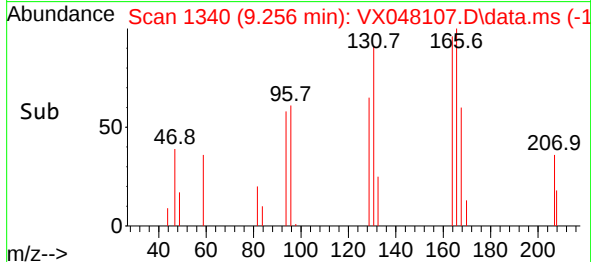
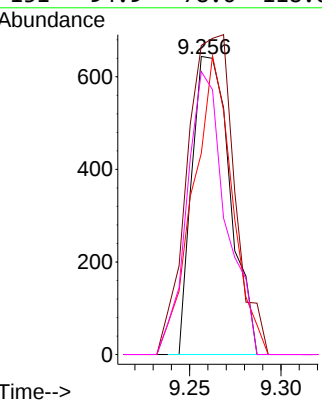
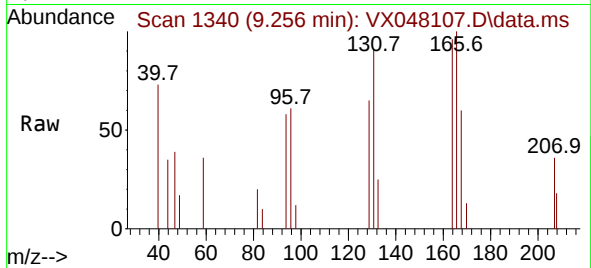




#64
Tetrachloroethene
Concen: 0.572 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

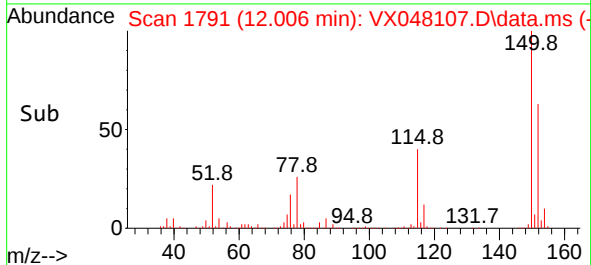
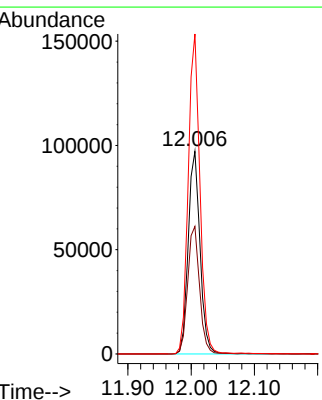
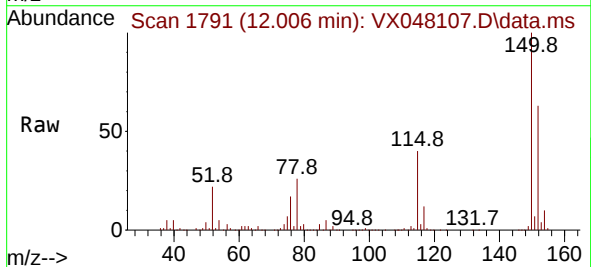
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-760-762

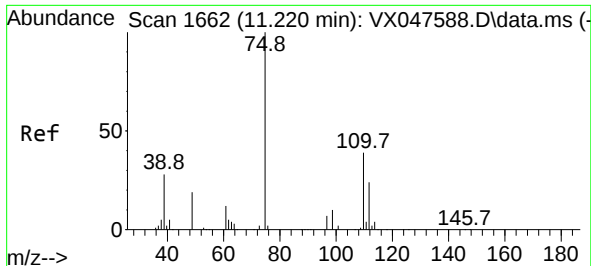
Tgt Ion:164 Resp: 937
Ion Ratio Lower Upper
164 100
166 103.7 100.2 150.2
129 67.5 81.8 122.6#
131 94.9 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

Tgt Ion:152 Resp: 126721
Ion Ratio Lower Upper
152 100
115 63.5 44.9 134.5
150 155.9 0.0 352.0

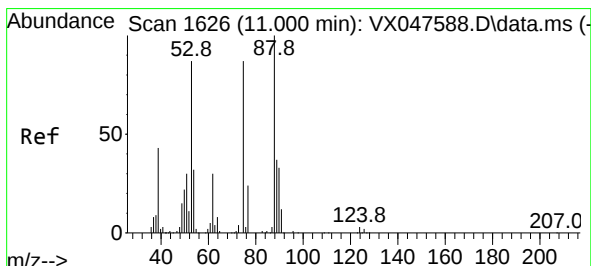
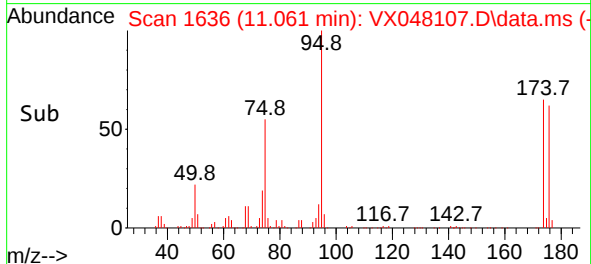
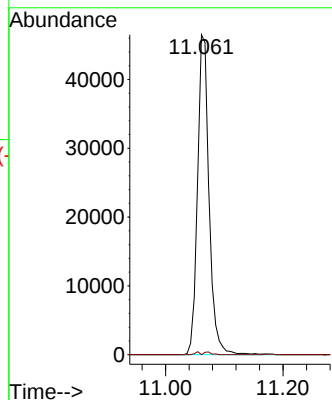
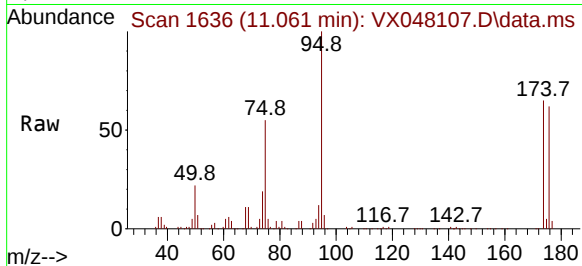




#76
1,2,3-Trichloropropane
Concen: 24.738 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

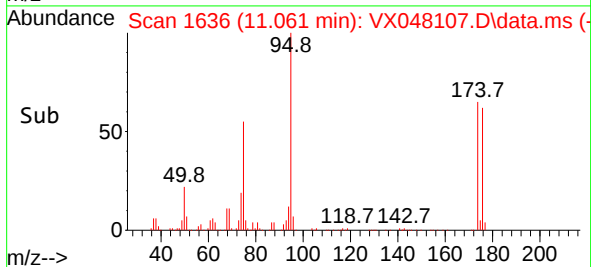
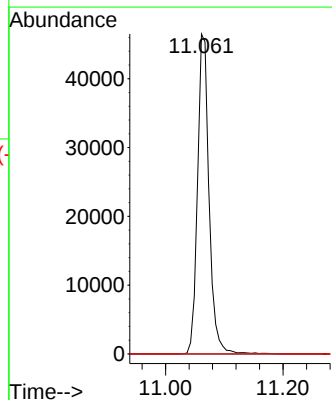
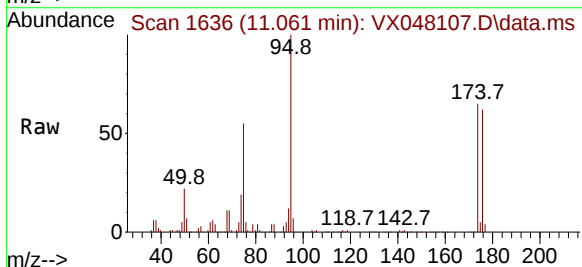
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-760-762

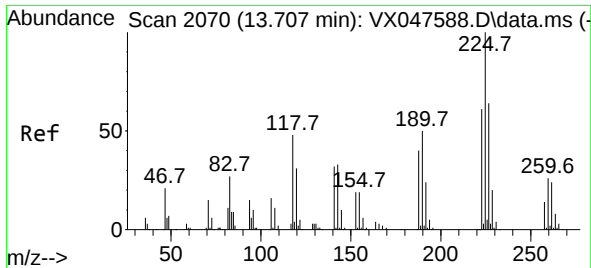
Tgt Ion: 75 Resp: 63470
Ion Ratio Lower Upper
75 100
77 0.3 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.085 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048107.D
Acq: 10 Oct 2025 13:31

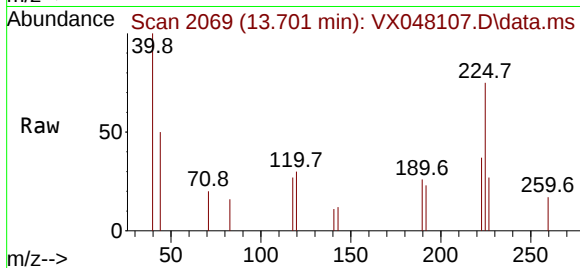
Tgt Ion: 75 Resp: 63470
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#94
 Hexachlorobutadiene
 Concen: 0.351 ug/l
 RT: 13.701 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VX048107.D
 Acq: 10 Oct 2025 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-760-762



Tgt Ion:	225	Resp:	325
Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	54.2	32.0	96.0

