

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048132.D
 Acq On : 13 Oct 2025 11:44
 Operator : JC/MD
 Sample : Q3324-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-780-782

Quant Time: Oct 14 01:52:19 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)

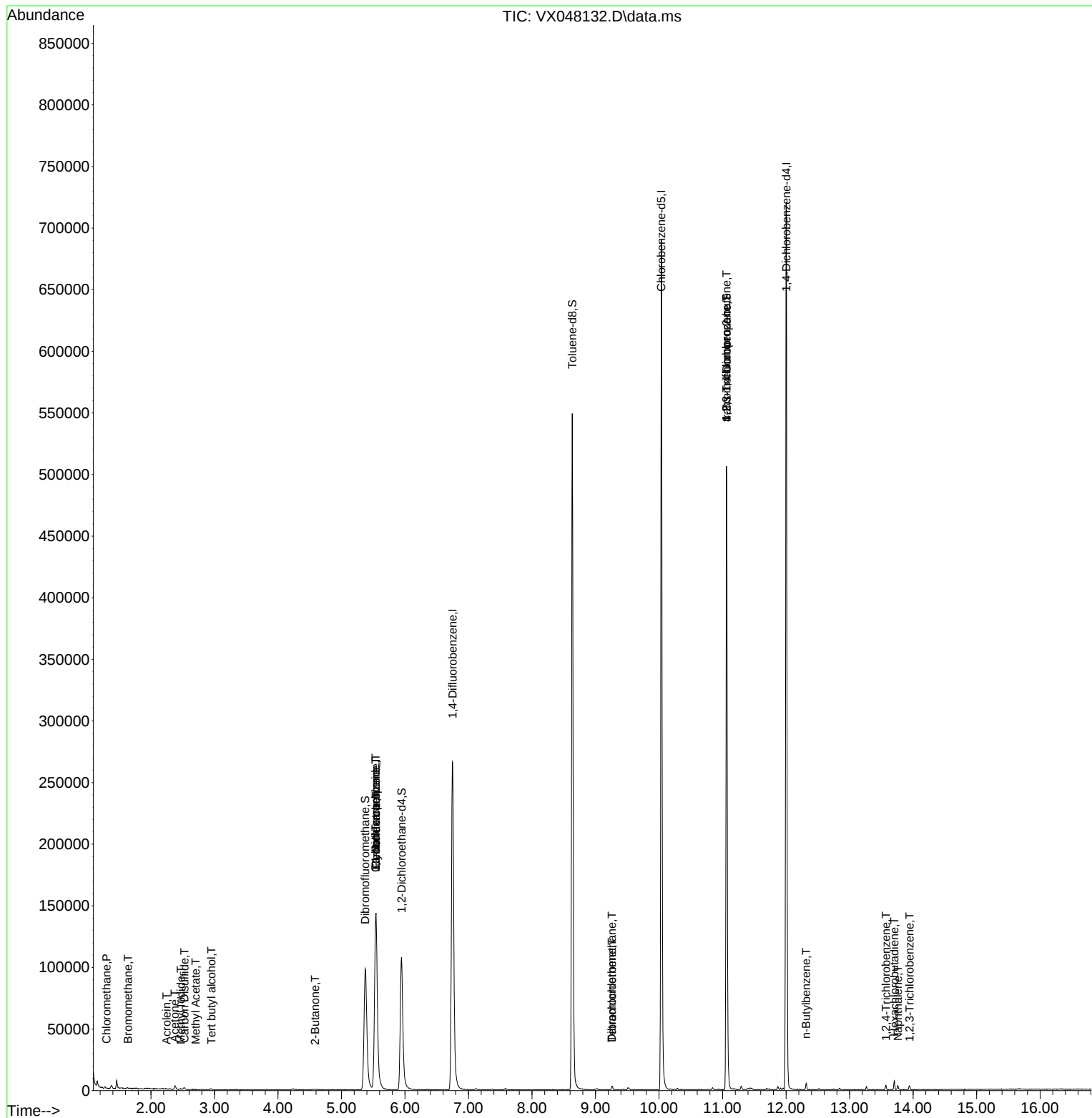
Internal Standards						
1) Pentafluorobenzene	5.544	168	145285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	293131	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	303093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	152502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	116568	50.406	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.820%	
35) Dibromofluoromethane	5.373	113	96052	48.859	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.720%	
50) Toluene-d8	8.635	98	331940	48.798	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.600%	
62) 4-Bromofluorobenzene	11.061	95	145147	56.223	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	412	0.208	ug/l	93
5) Bromomethane	1.636	94	506	0.412	ug/l #	66
10) Methyl Iodide	2.471	142	1217	0.464	ug/l #	84
11) Tert butyl alcohol	2.953	59	245	0.951	ug/l #	72
13) Acrolein	2.246	56	49	0.206	ug/l #	1
16) Acetone	2.374	43	3821	3.800	ug/l	96
17) Carbon Disulfide	2.526	76	1325	0.280	ug/l #	70
18) Methyl Acetate	2.703	43	630	0.282	ug/l #	60
25) 2-Butanone	4.587	43	788	0.628	ug/l #	68
31) Cyclohexane	5.544	56	3352	1.097	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	12821	4.463	ug/l #	50
38) Carbon Tetrachloride	5.538	117	14939	4.786	ug/l #	17
60) Dibromochloromethane	9.256	129	497	0.208	ug/l #	11
64) Tetrachloroethene	9.256	164	421	0.213	ug/l #	69
76) 1,2,3-Trichloropropane	11.061	75	76303	24.712	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	76303	63.019	ug/l #	8
89) n-Butylbenzene	12.317	91	2199	0.242	ug/l	95
93) 1,2,4-Trichlorobenzene	13.573	180	1016	0.309	ug/l	95
94) Hexachlorobutadiene	13.707	225	1056	0.947	ug/l	93
95) Naphthalene	13.762	128	2394	0.239	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	1074	0.352	ug/l	91

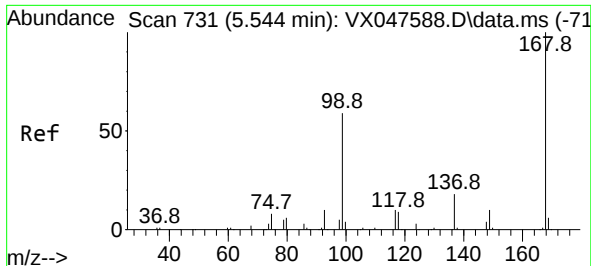
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
Data File : VX048132.D
Acq On : 13 Oct 2025 11:44
Operator : JC/MD
Sample : Q3324-05RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

Quant Time: Oct 14 01:52:19 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

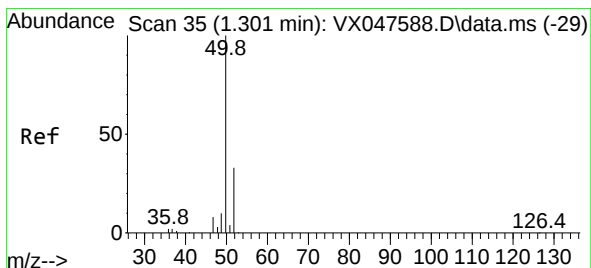
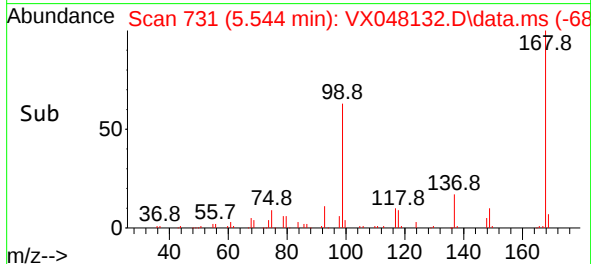
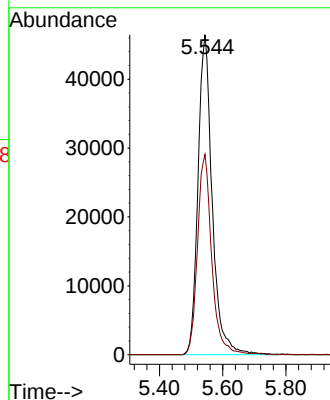
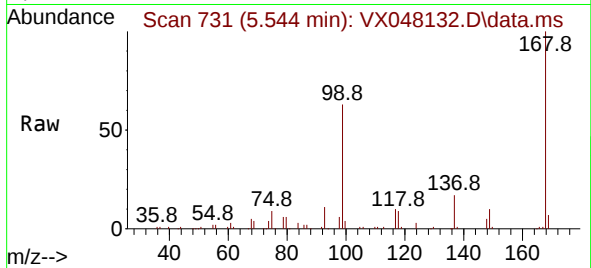




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

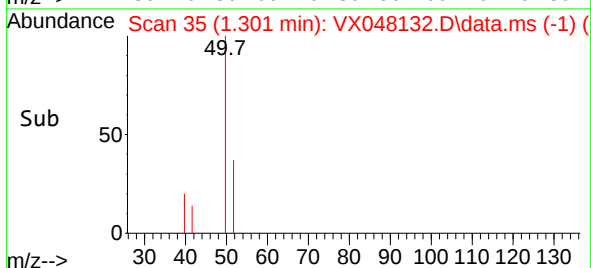
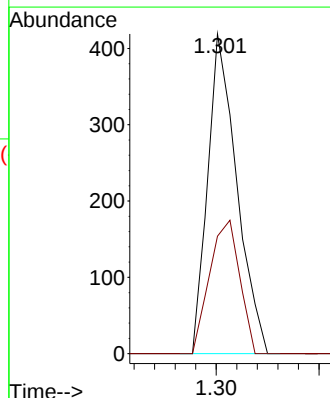
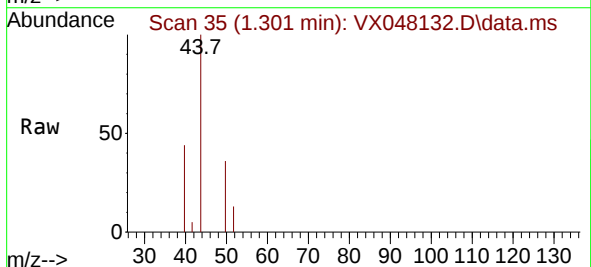
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

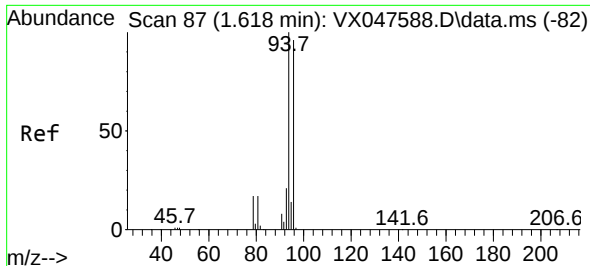
Tgt Ion:168 Resp: 145285
Ion Ratio Lower Upper
168 100
99 62.6 48.8 73.2



#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

Tgt Ion: 50 Resp: 412
Ion Ratio Lower Upper
50 100
52 36.8 26.1 39.1

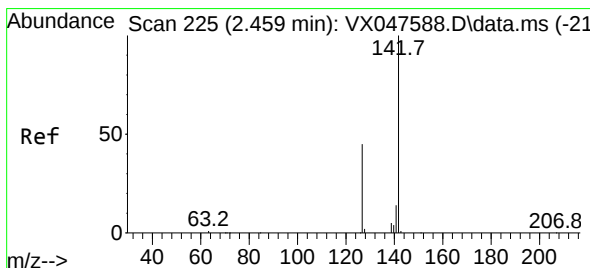
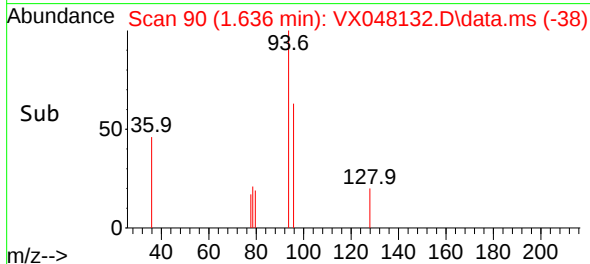
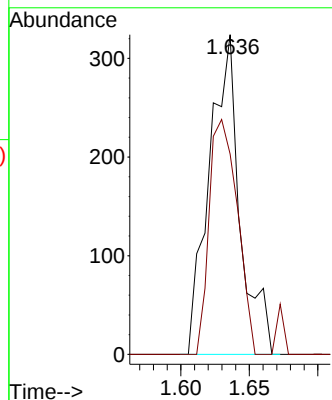
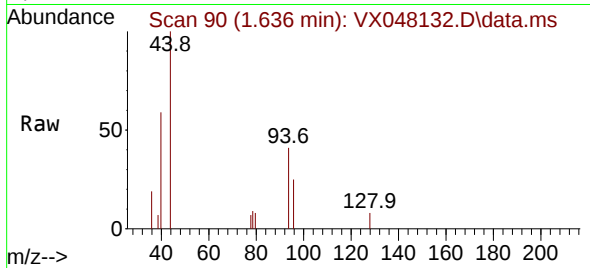




#5
Bromomethane
Concen: 0.412 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.018 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

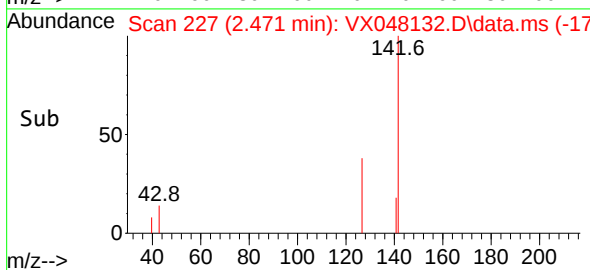
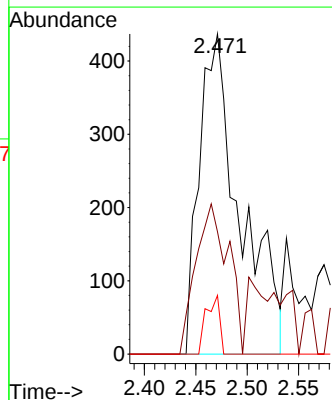
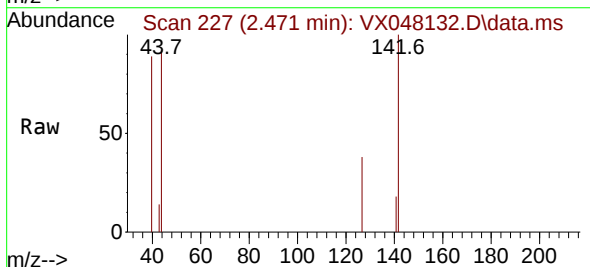
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

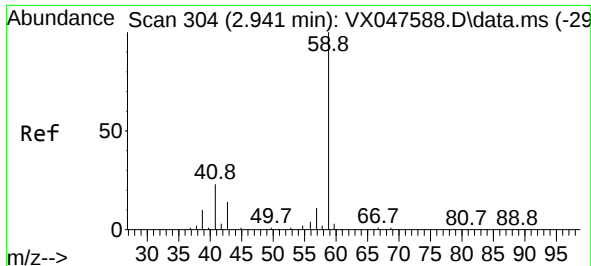
Tgt Ion: 94 Resp: 506
Ion Ratio Lower Upper
94 100
96 62.7 76.6 115.0#



#10
Methyl Iodide
Concen: 0.464 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.012 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

Tgt Ion: 142 Resp: 1217
Ion Ratio Lower Upper
142 100
127 37.0 37.2 55.8#
141 6.0 11.4 17.0#

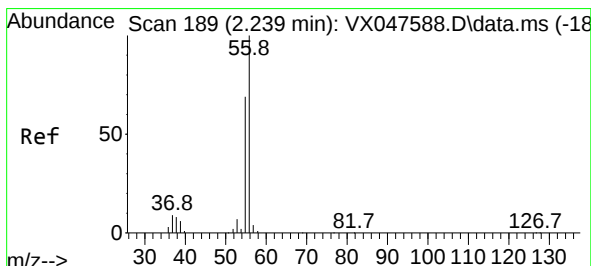
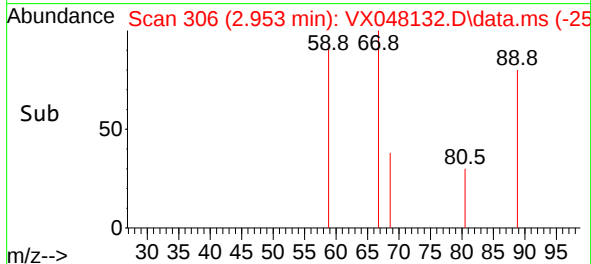
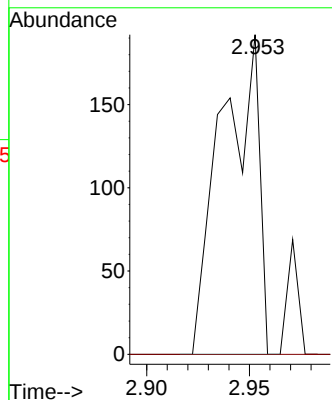
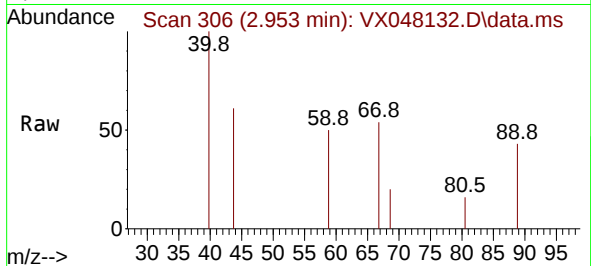




#11
Tert butyl alcohol
Concen: 0.951 ug/l
RT: 2.953 min Scan# 30
Delta R.T. 0.012 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

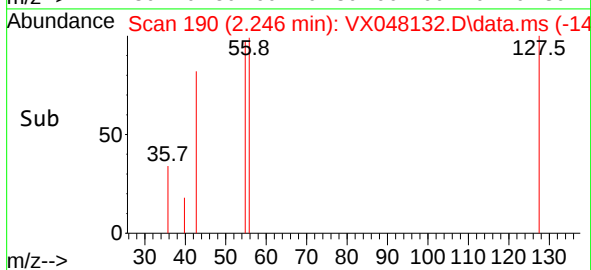
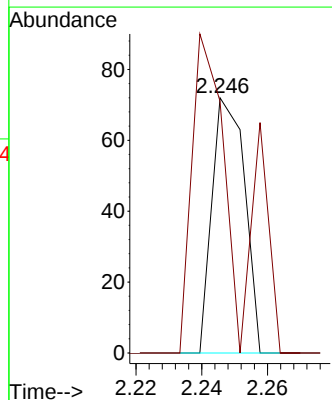
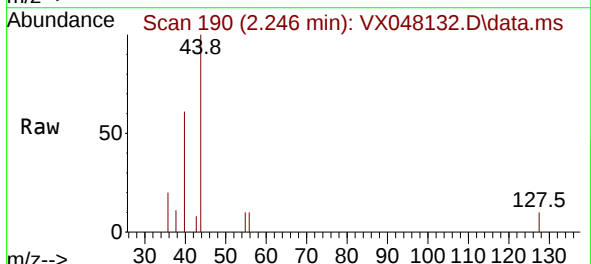
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

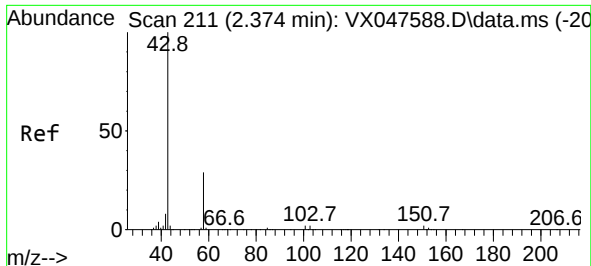
Tgt Ion: 59 Resp: 245
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.206 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 169.4 57.2 85.8#

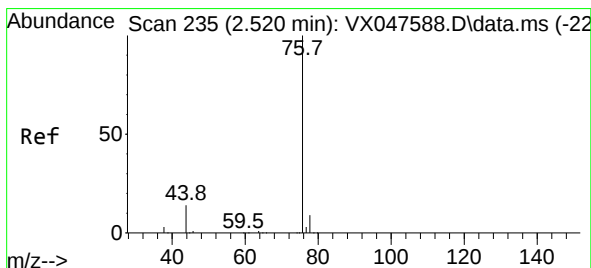
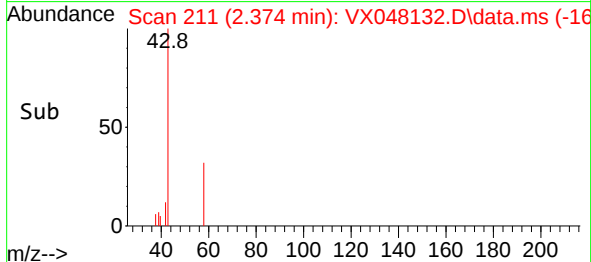
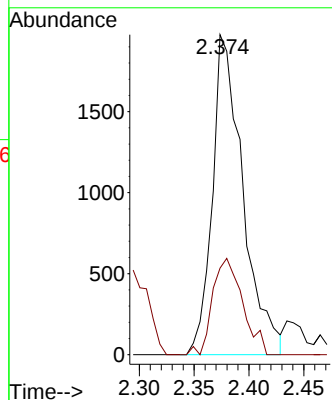
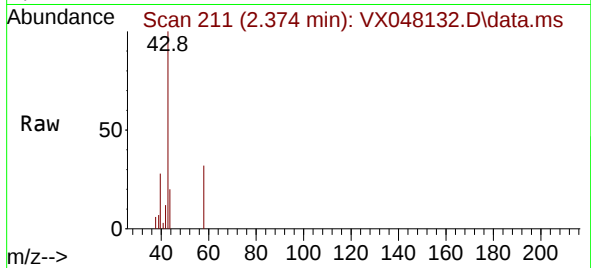




#16
Acetone
Concen: 3.800 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

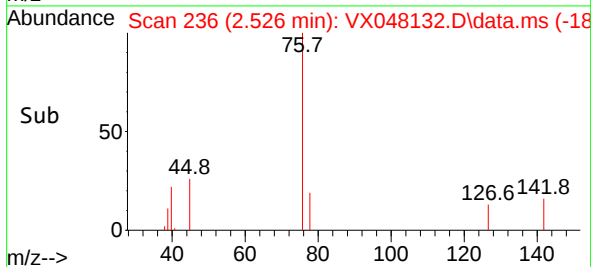
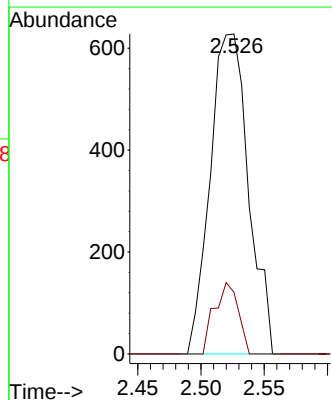
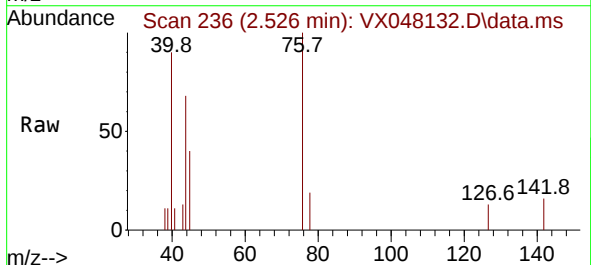
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

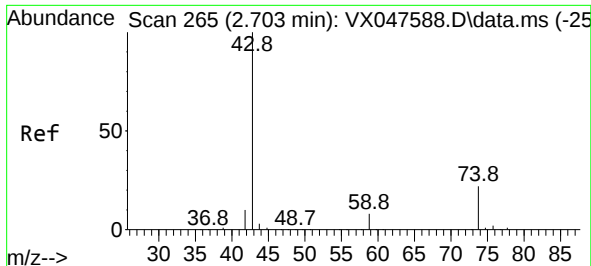
Tgt Ion: 43 Resp: 3821
Ion Ratio Lower Upper
43 100
58 27.0 23.4 35.0



#17
Carbon Disulfide
Concen: 0.280 ug/l
RT: 2.526 min Scan# 236
Delta R.T. 0.006 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

Tgt Ion: 76 Resp: 1325
Ion Ratio Lower Upper
76 100
78 19.3 6.8 10.2#

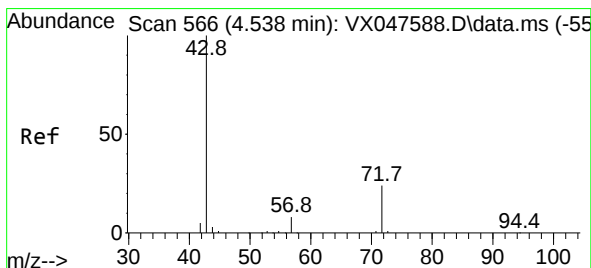
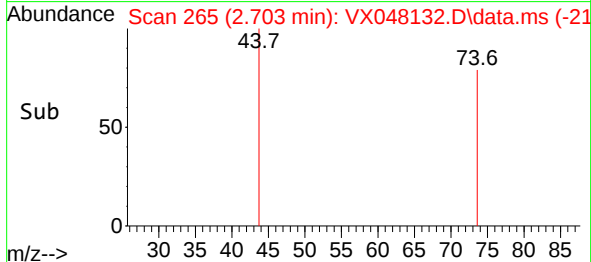
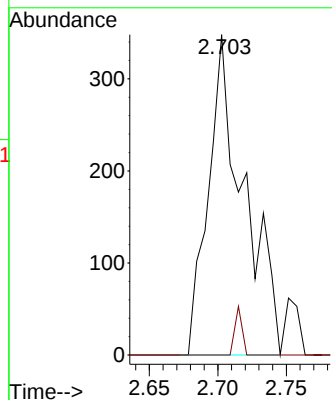
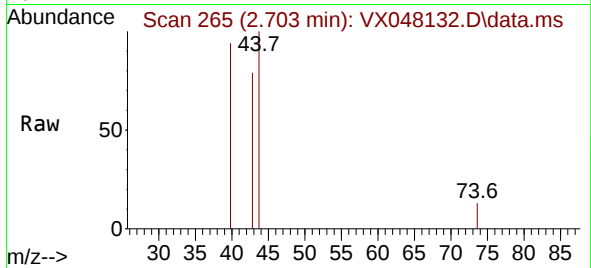




#18
Methyl Acetate
Concen: 0.282 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

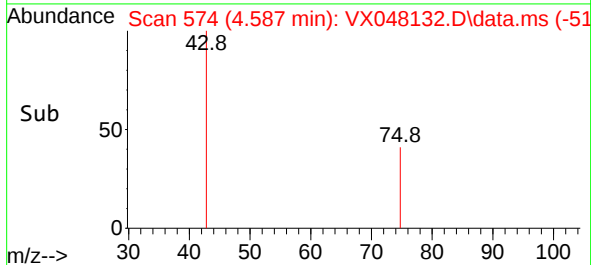
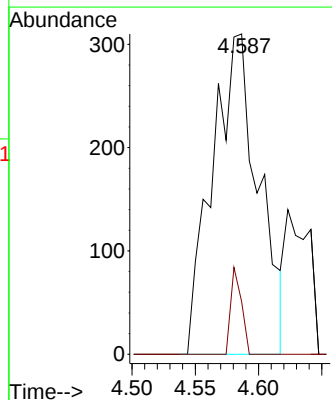
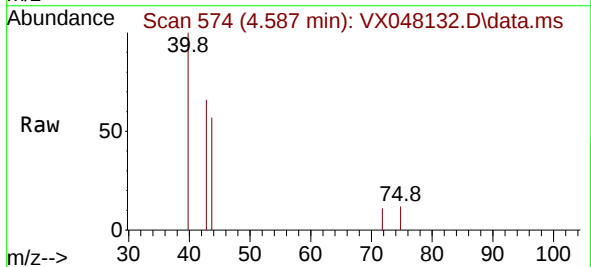
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

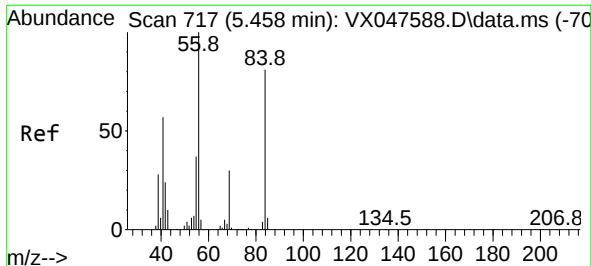
Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
74 3.0 17.4 26.2#



#25
2-Butanone
Concen: 0.628 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.049 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

Tgt Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
72 8.9 20.1 30.1#

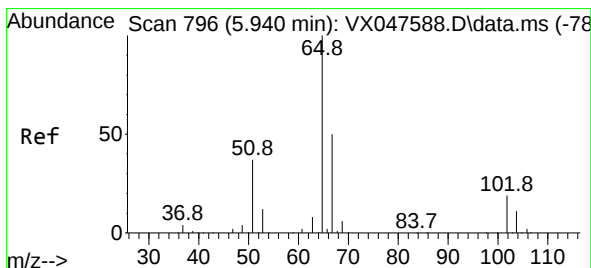
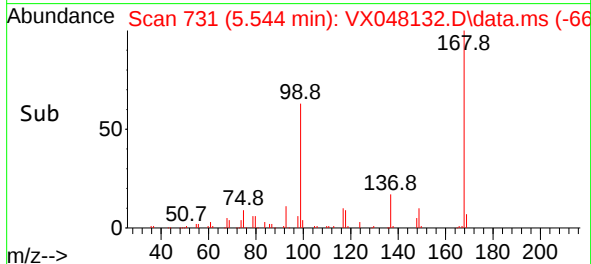
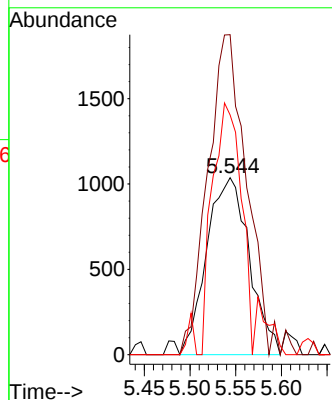
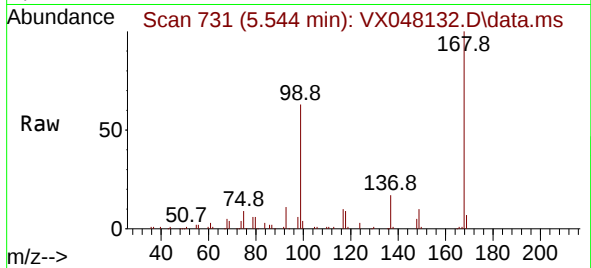




#31
Cyclohexane
Concen: 1.097 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

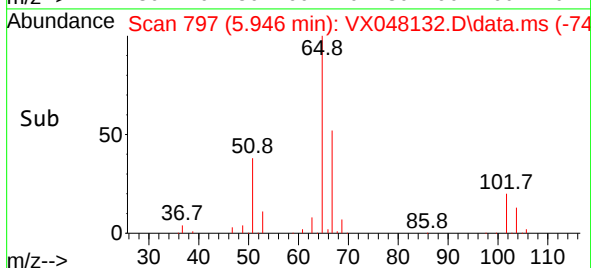
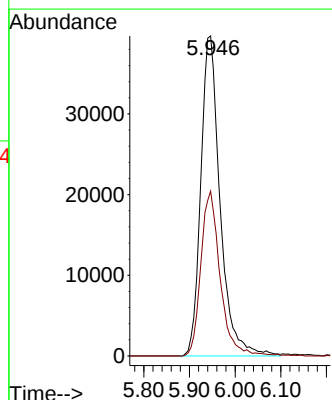
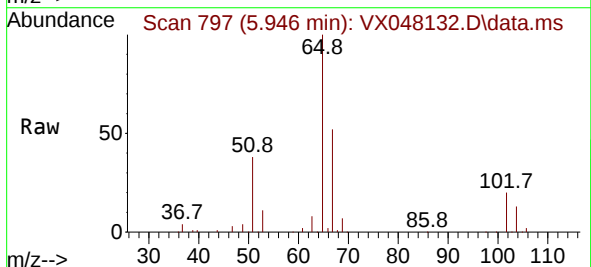
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

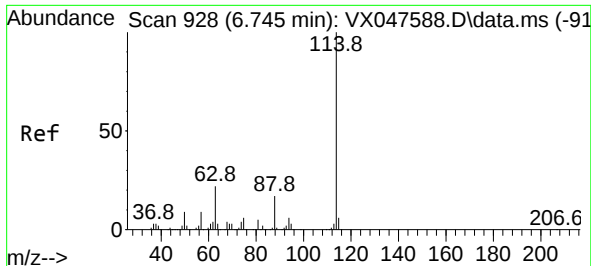
Tgt Ion: 56 Resp: 3352
Ion Ratio Lower Upper
56 100
69 180.8 23.8 35.8#
84 135.4 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 50.406 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

Tgt Ion: 65 Resp: 116568
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0

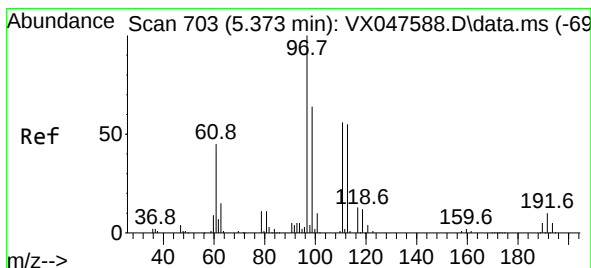
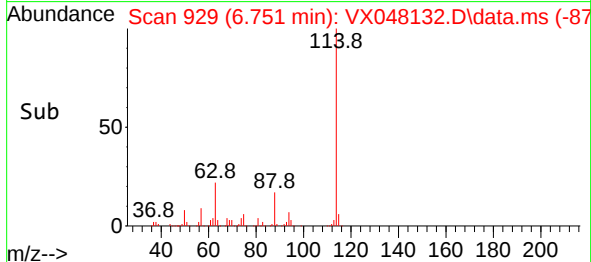
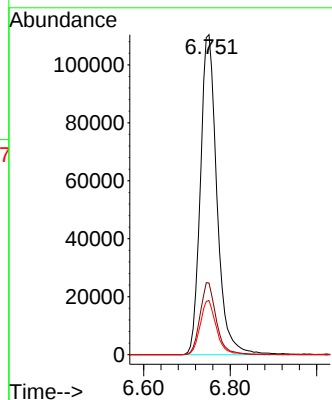
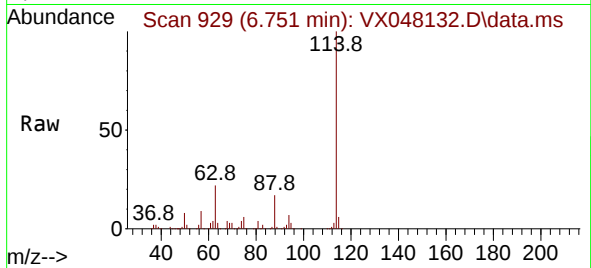




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

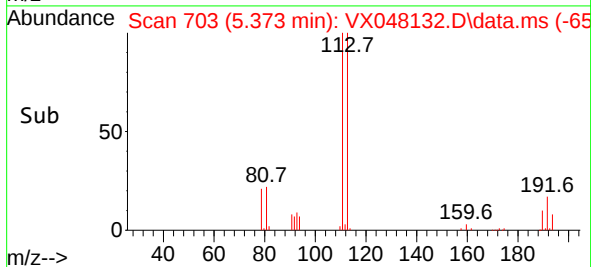
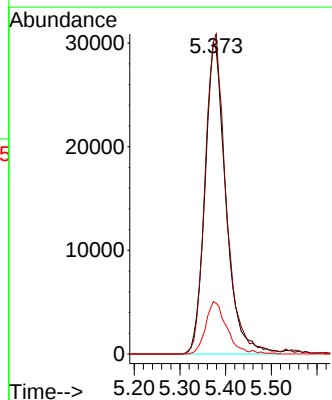
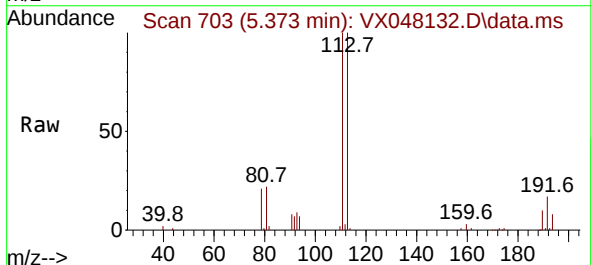
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

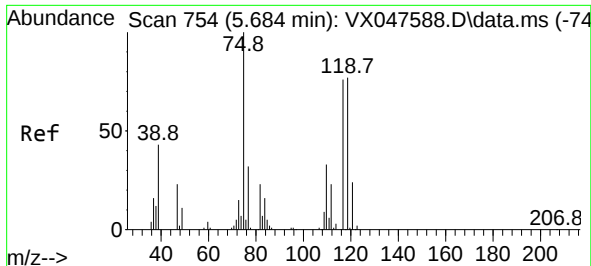
Tgt Ion:114 Resp: 293131
Ion Ratio Lower Upper
114 100
63 22.4 0.0 44.0
88 16.9 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.859 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

Tgt Ion:113 Resp: 96052
Ion Ratio Lower Upper
113 100
111 102.3 80.9 121.3
192 16.5 14.2 21.4

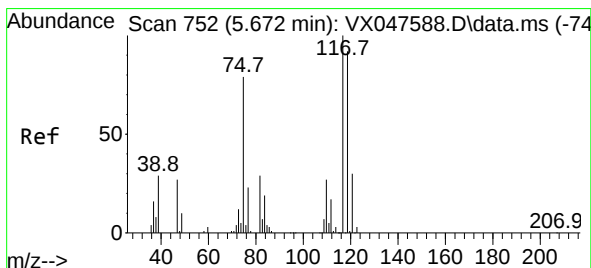
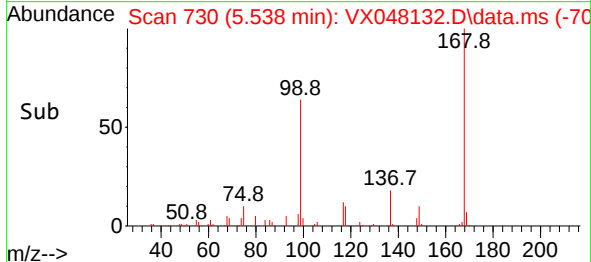
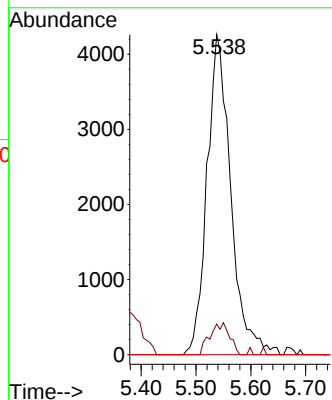
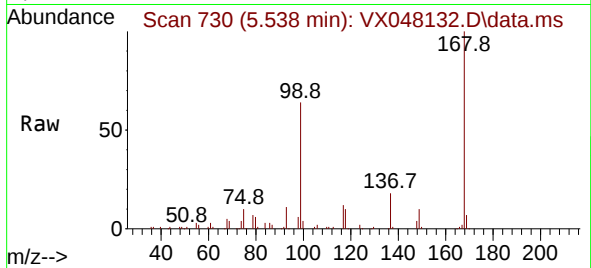




#36
1,1-Dichloropropene
Concen: 4.463 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

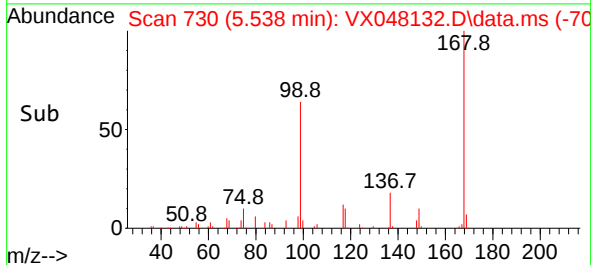
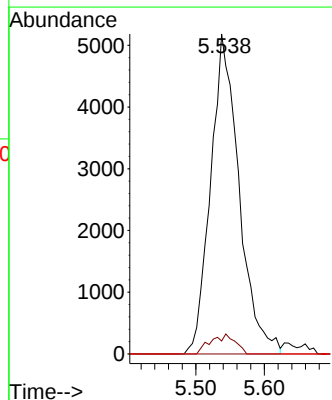
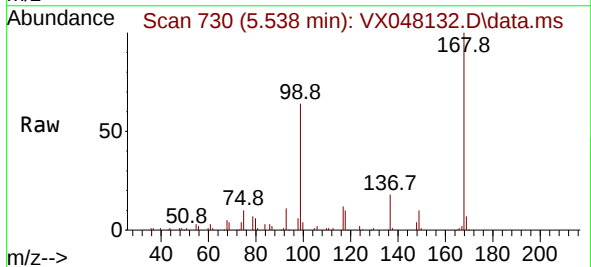
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

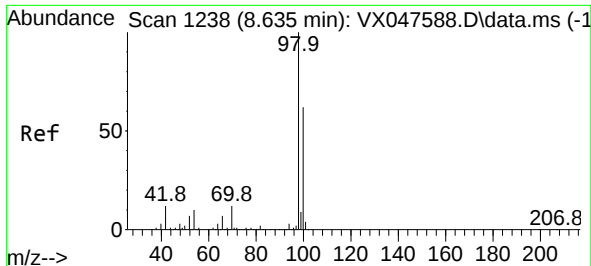
Tgt Ion: 75 Resp: 12821
Ion Ratio Lower Upper
75 100
110 8.3 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.786 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

Tgt Ion: 117 Resp: 14939
Ion Ratio Lower Upper
117 100
119 4.1 73.4 110.2#
121 0.0 23.8 35.6#

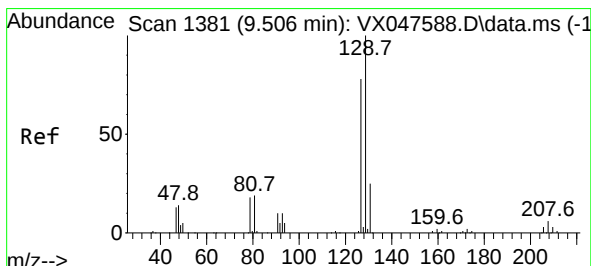
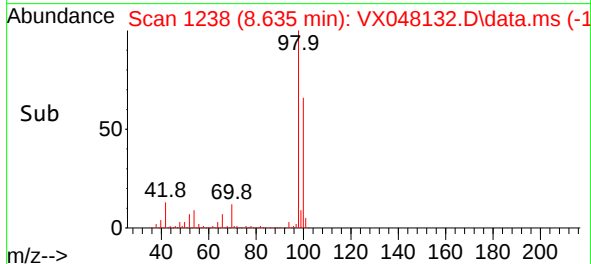
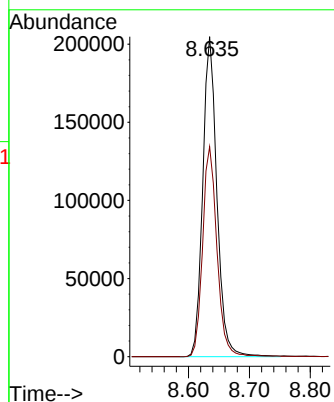
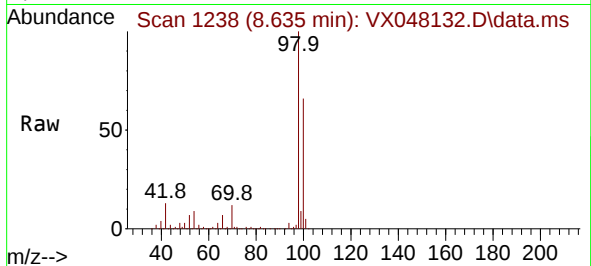




#50
Toluene-d8
Concen: 48.798 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

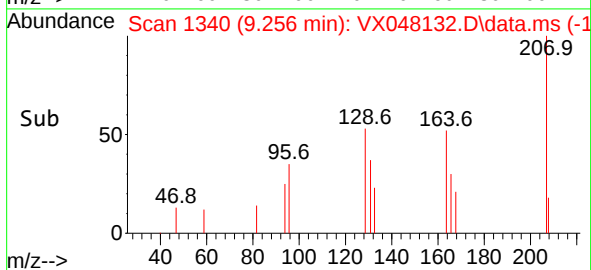
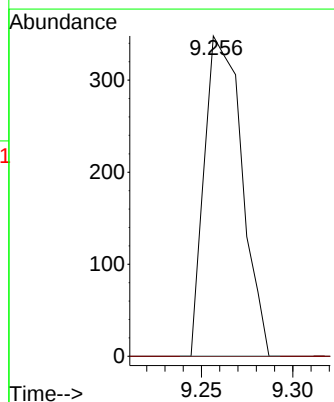
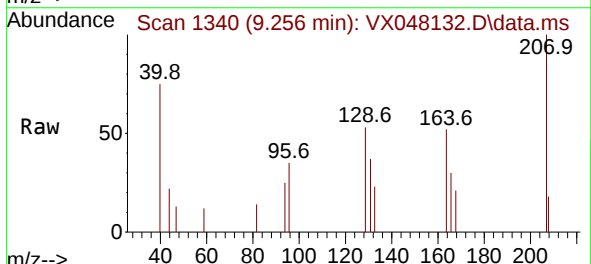
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

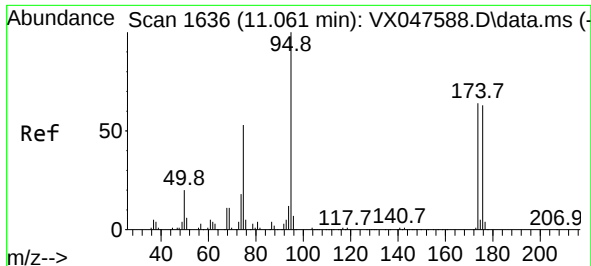
Tgt Ion: 98 Resp: 331940
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



#60
Dibromochloromethane
Concen: 0.208 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

Tgt Ion:129 Resp: 497
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

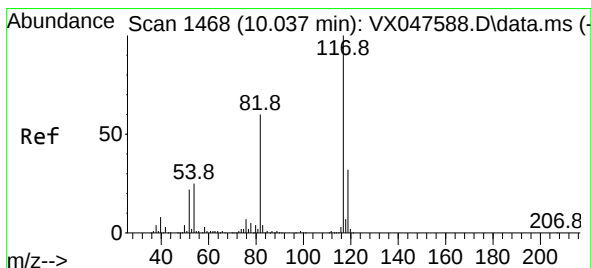
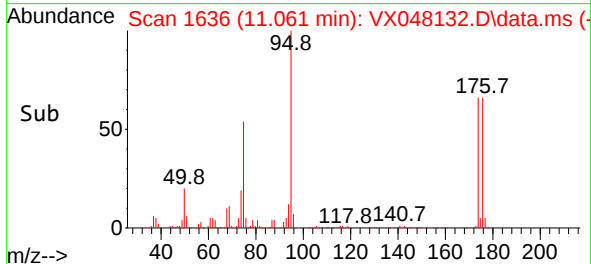
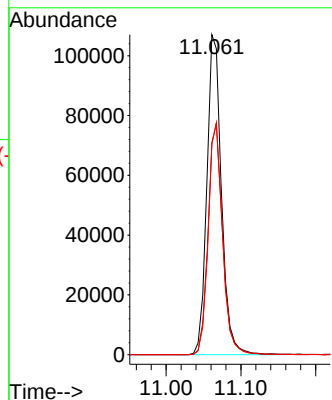
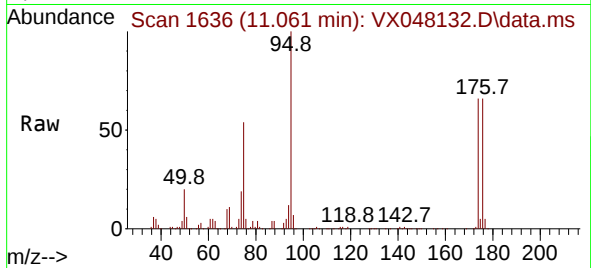




#62
4-Bromofluorobenzene
Concen: 56.223 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

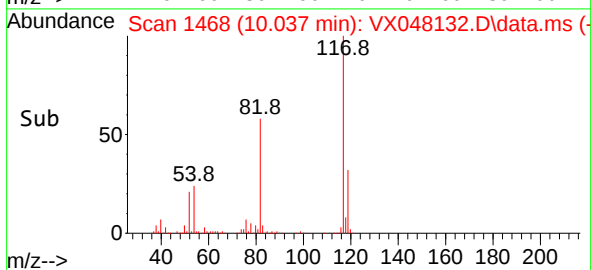
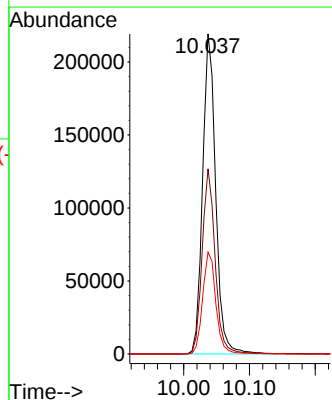
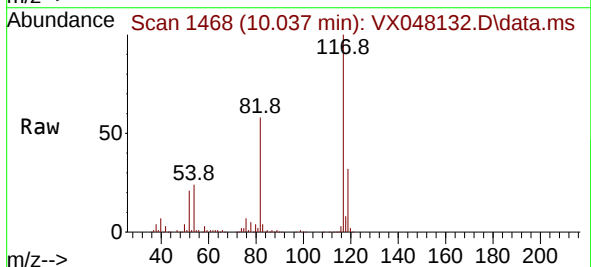
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

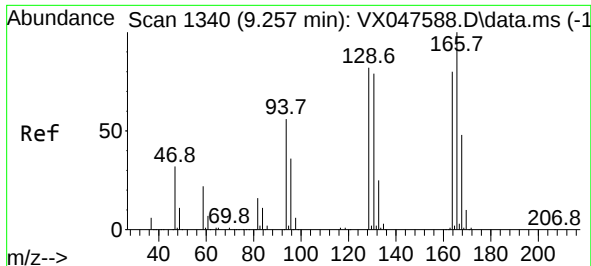
Tgt Ion: 95 Resp: 145147
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.6
176 70.8 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

Tgt Ion: 117 Resp: 303093
Ion Ratio Lower Upper
117 100
82 57.9 47.8 71.6
119 31.8 25.2 37.8

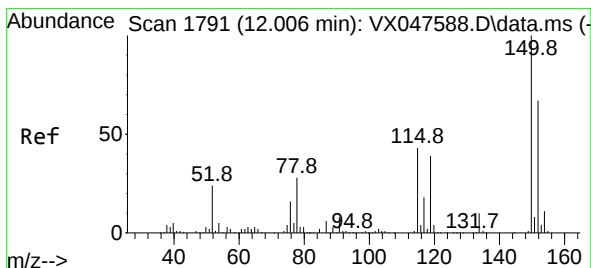
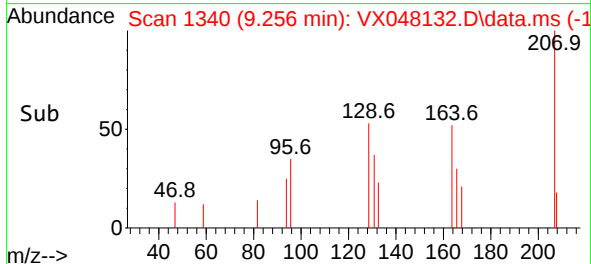
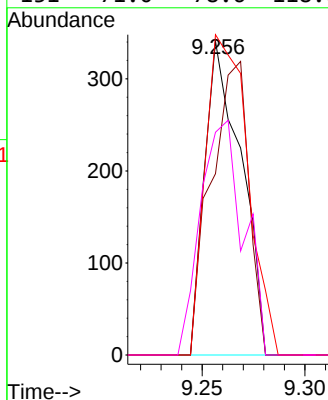
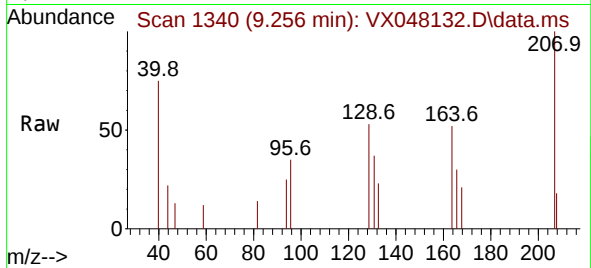




#64
Tetrachloroethene
Concen: 0.213 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

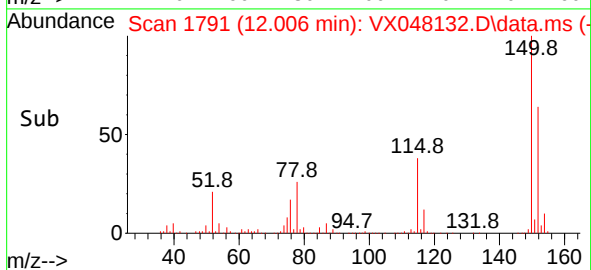
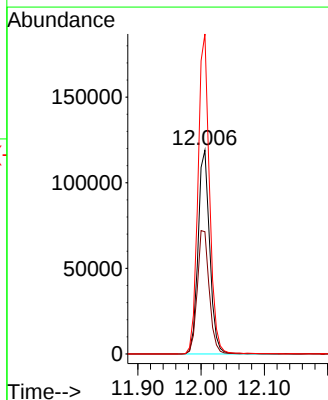
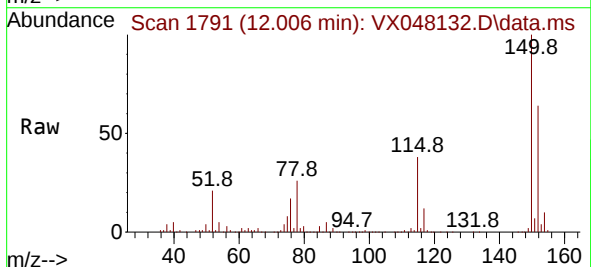
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

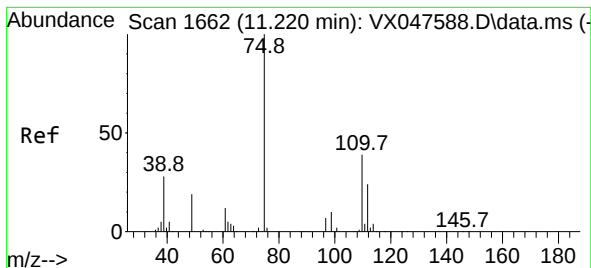
Tgt Ion:164	Resp:	421
Ion	Ratio	Lower Upper
164	100	
166	57.8	100.2 150.2#
129	102.1	81.8 122.6
131	71.0	78.6 118.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048132.D
Acq: 13 Oct 2025 11:44

Tgt Ion:152	Resp:	152502
Ion	Ratio	Lower Upper
152	100	
115	62.1	44.9 134.5
150	155.6	0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 24.712 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048132.D

Acq: 13 Oct 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

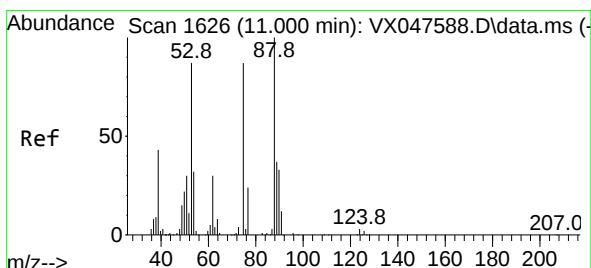
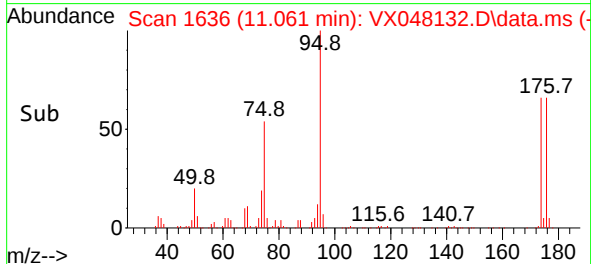
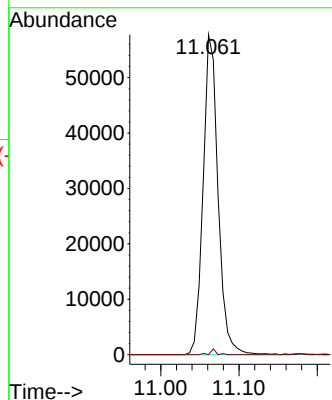
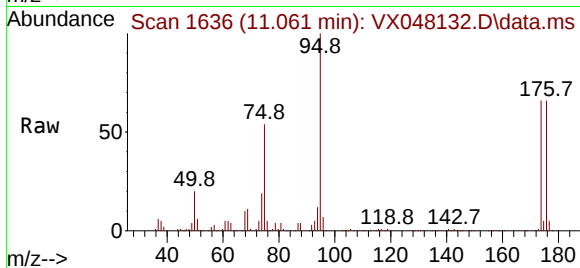
BP-VPB-184-GW-780-782

Tgt Ion: 75 Resp: 76303

Ion Ratio Lower Upper

75 100

77 0.7 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.019 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048132.D

Acq: 13 Oct 2025 11:44

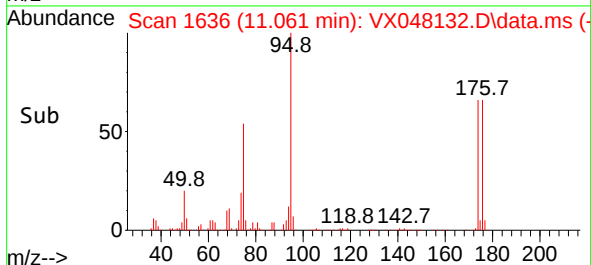
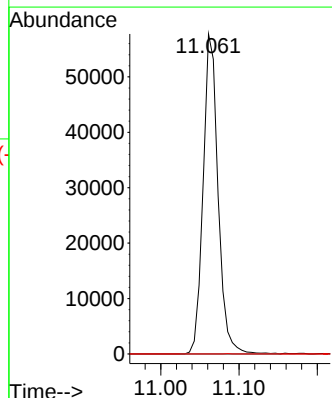
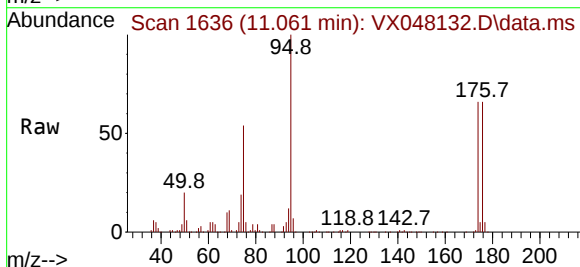
Tgt Ion: 75 Resp: 76303

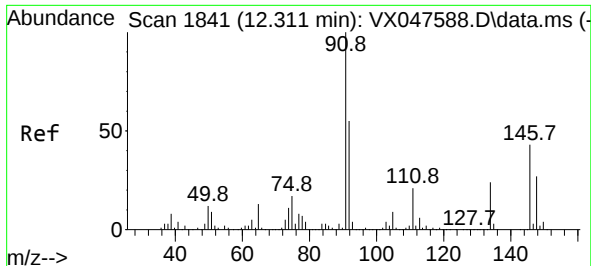
Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 36.3 54.5#





#89

n-Butylbenzene

Concen: 0.242 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX048132.D

Acq: 13 Oct 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-780-782

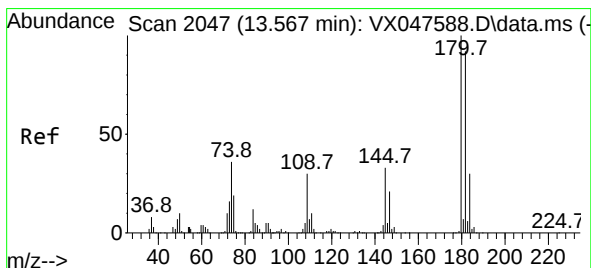
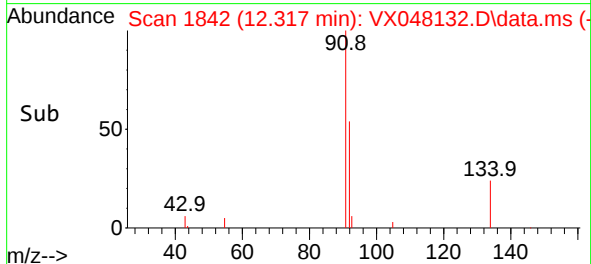
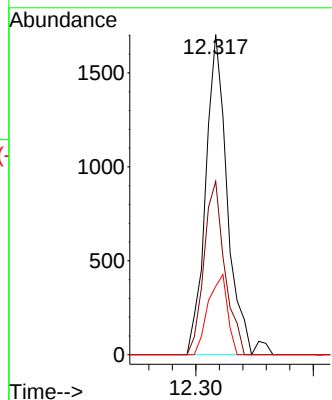
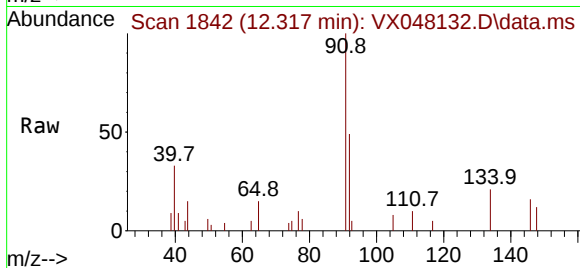
Tgt Ion: 91 Resp: 2199

Ion Ratio Lower Upper

91 100

92 51.6 27.6 82.7

134 22.0 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.309 ug/l

RT: 13.573 min Scan# 2048

Delta R.T. 0.006 min

Lab File: VX048132.D

Acq: 13 Oct 2025 11:44

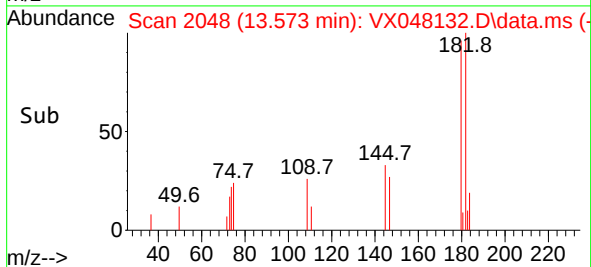
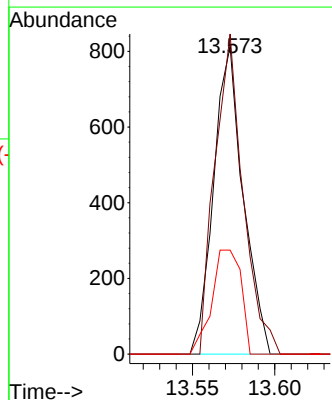
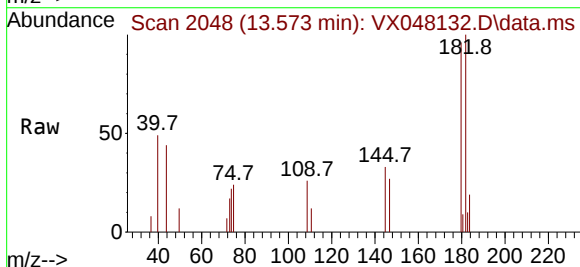
Tgt Ion:180 Resp: 1016

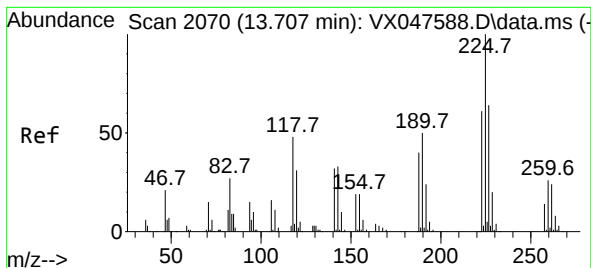
Ion Ratio Lower Upper

180 100

182 99.7 46.6 139.8

145 33.4 16.4 49.1





#94

Hexachlorobutadiene

Concen: 0.947 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX048132.D

Acq: 13 Oct 2025 11:44

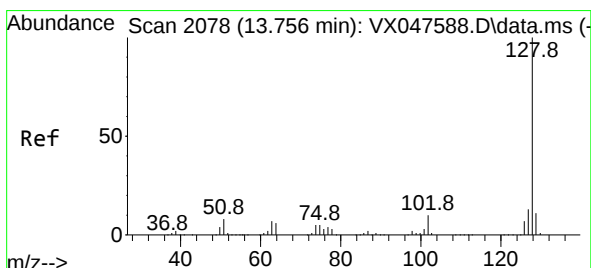
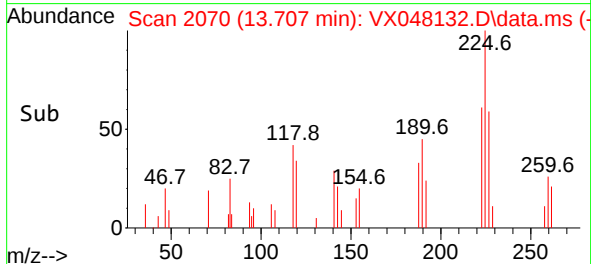
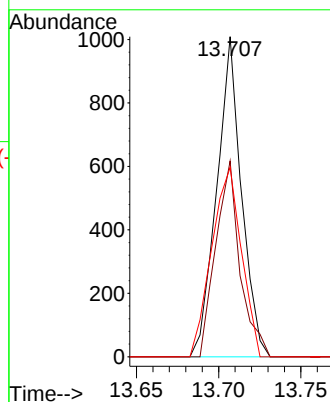
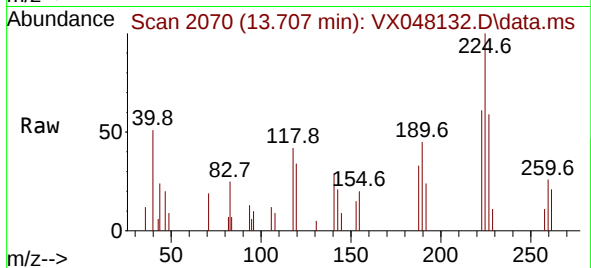
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-780-782

Tgt Ion:	225	Resp:	1056
Ion	Ratio	Lower	Upper
225	100		
223	59.8	31.7	95.1
227	71.0	32.0	96.0



#95

Naphthalene

Concen: 0.239 ug/l

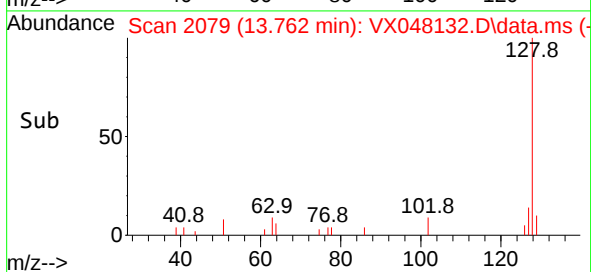
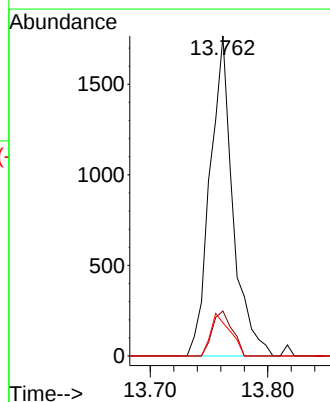
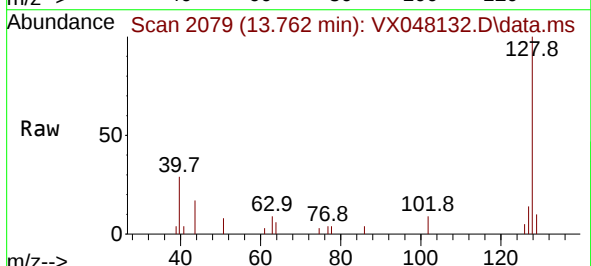
RT: 13.762 min Scan# 2079

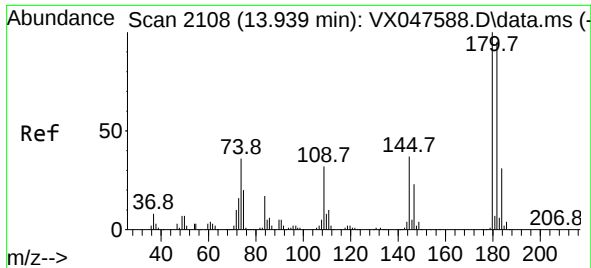
Delta R.T. 0.006 min

Lab File: VX048132.D

Acq: 13 Oct 2025 11:44

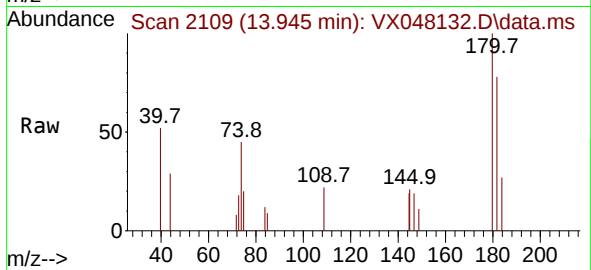
Tgt Ion:	128	Resp:	2394
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	11.2	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.352 ug/l
 RT: 13.945 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX048132.D
 Acq: 13 Oct 2025 11:44

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-780-782



Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.5	47.6	142.8
145	37.6	17.9	53.7

