

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048133.D
 Acq On : 13 Oct 2025 12:05
 Operator : JC/MD
 Sample : Q3324-08RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-DUP-20251009

Quant Time: Oct 14 01:52:41 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)

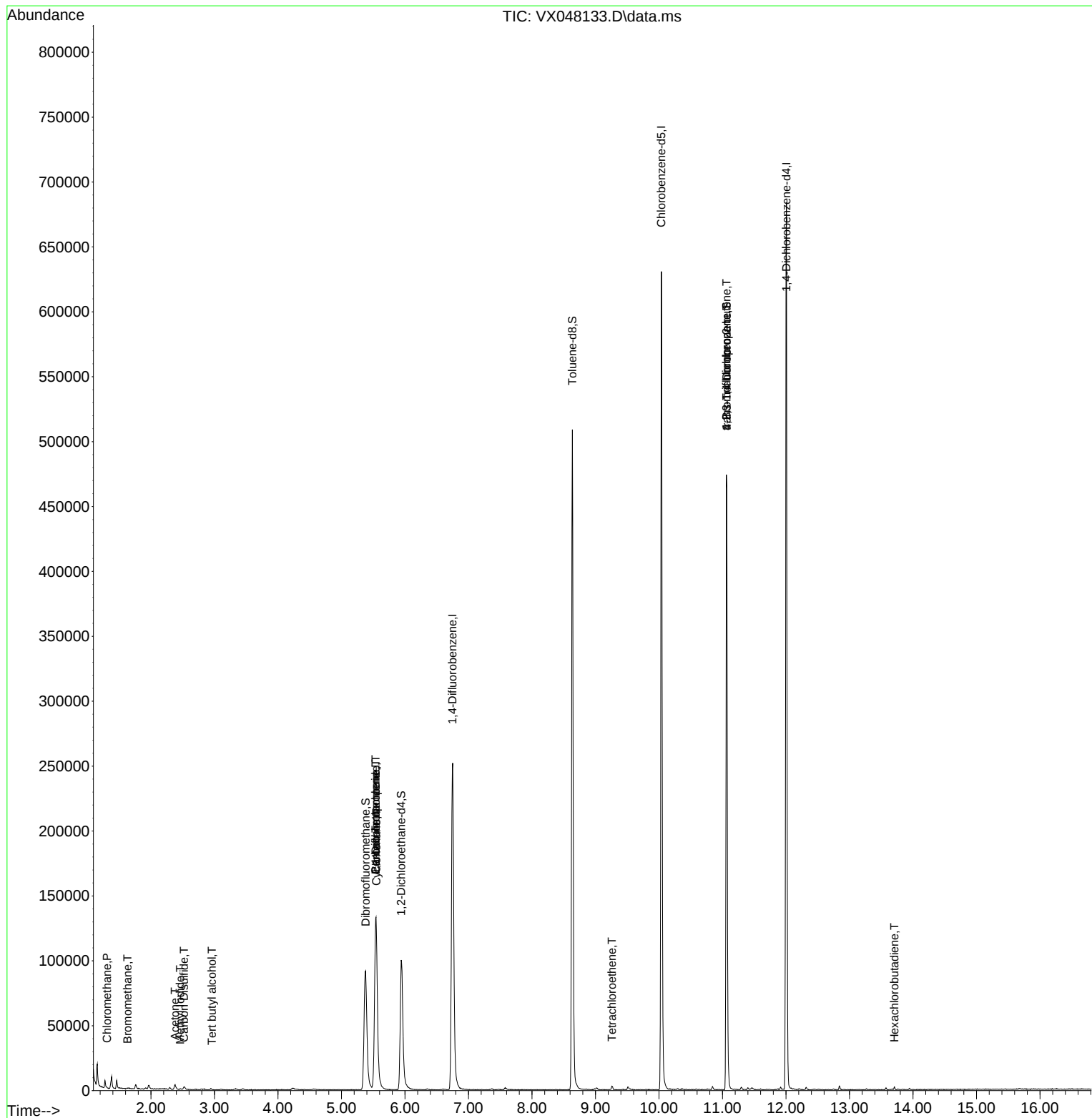
Internal Standards						
1) Pentafluorobenzene	5.538	168	134129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	276039	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	289836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	147242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	111025	52.002	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.000%			
35) Dibromofluoromethane	5.379	113	90378	48.819	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.640%			
50) Toluene-d8	8.635	98	309909	48.380	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.760%			
62) 4-Bromofluorobenzene	11.061	95	137869	56.711	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.420%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	441	0.242	ug/l #	68
5) Bromomethane	1.630	94	291	0.257	ug/l #	72
10) Methyl Iodide	2.459	142	1140	0.471	ug/l #	85
11) Tert butyl alcohol	2.959	59	169	0.711	ug/l #	72
16) Acetone	2.380	43	4852	5.227	ug/l	98
17) Carbon Disulfide	2.520	76	1055	0.242	ug/l #	76
31) Cyclohexane	5.550	56	3054	1.083	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	11420	4.222	ug/l #	51
38) Carbon Tetrachloride	5.538	117	14881	5.063	ug/l #	16
64) Tetrachloroethene	9.257	164	402	0.213	ug/l #	68
76) 1,2,3-Trichloropropane	11.061	75	72925	24.462	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	72925	62.381	ug/l #	8
94) Hexachlorobutadiene	13.707	225	346	0.321	ug/l	85

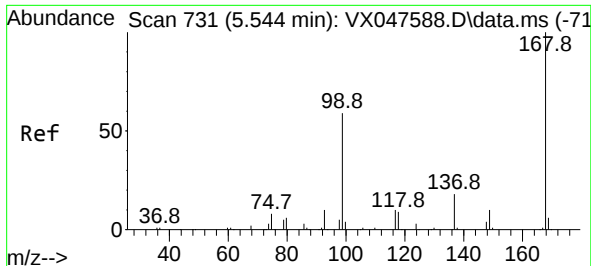
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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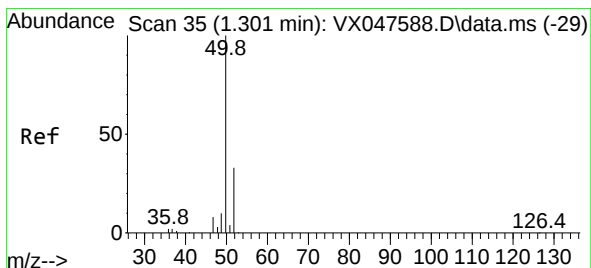
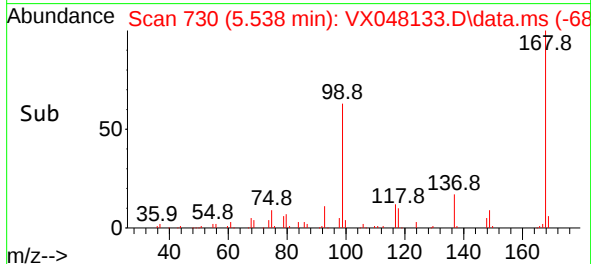
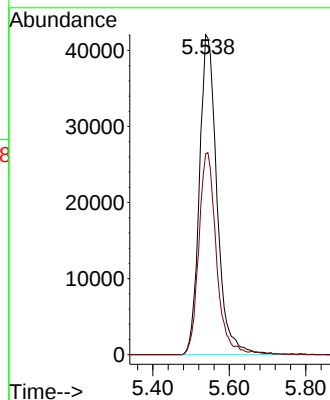
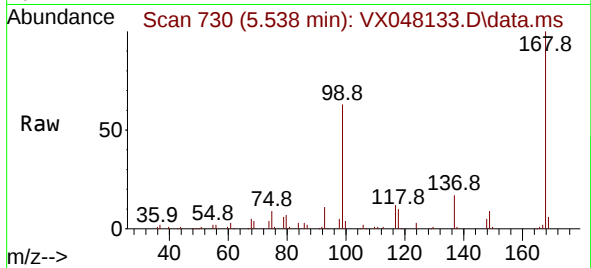




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

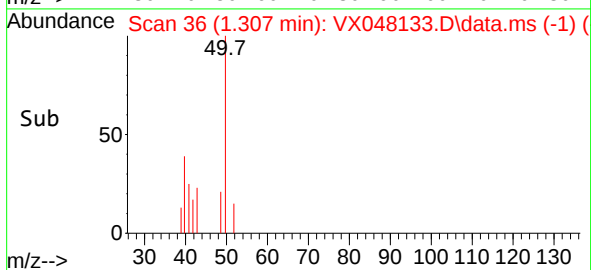
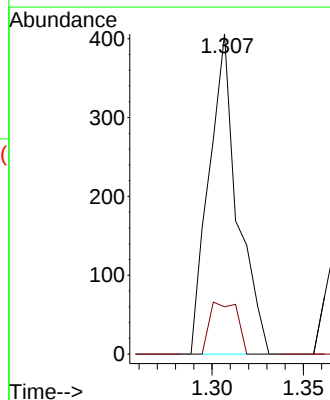
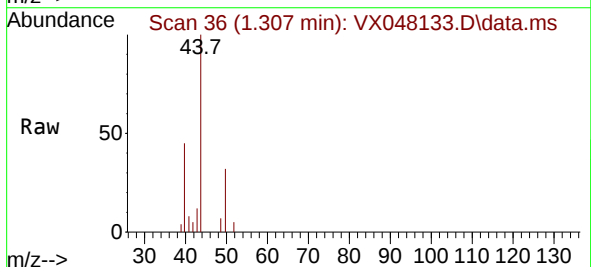
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-DUP-20251009

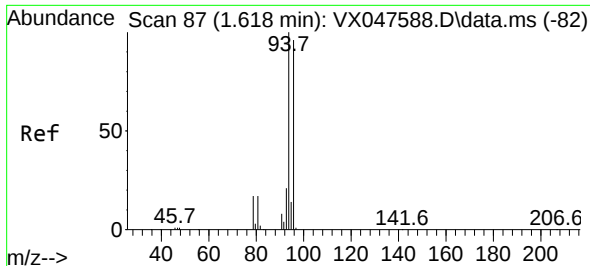
Tgt Ion:168 Resp: 134129
Ion Ratio Lower Upper
168 100
99 62.8 48.8 73.2



#3
Chloromethane
Concen: 0.242 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

Tgt Ion: 50 Resp: 441
Ion Ratio Lower Upper
50 100
52 14.8 26.1 39.1#

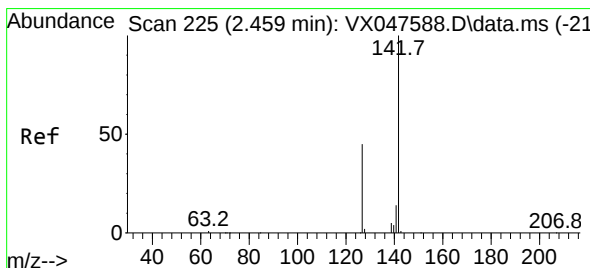
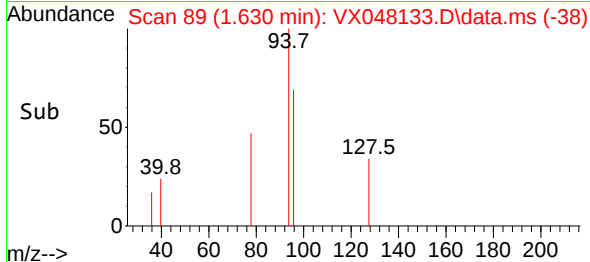
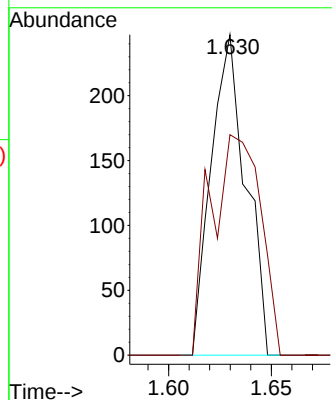
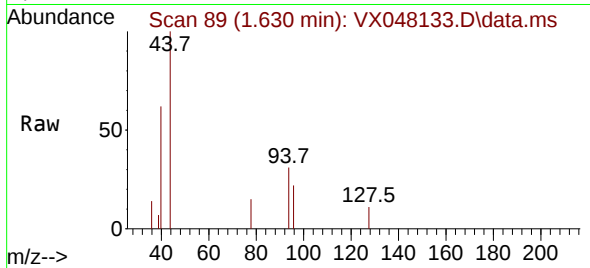




#5
Bromomethane
Concen: 0.257 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

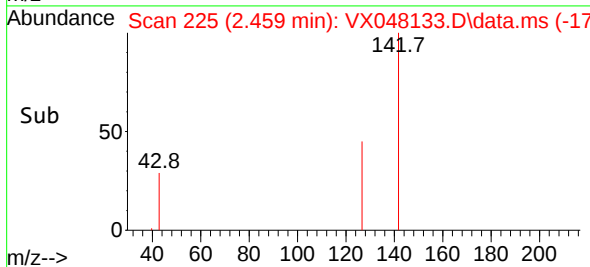
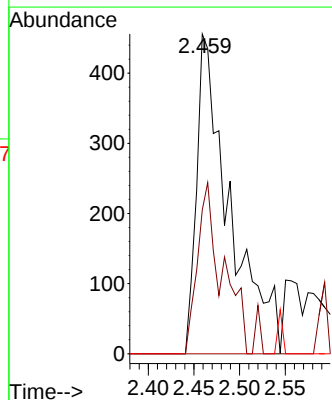
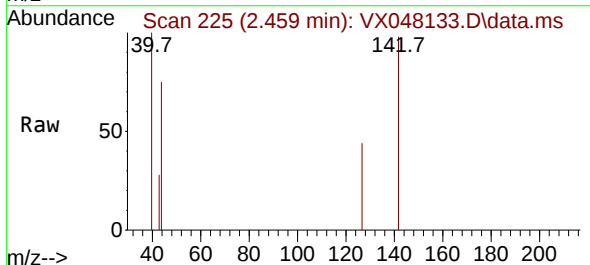
Instrument :
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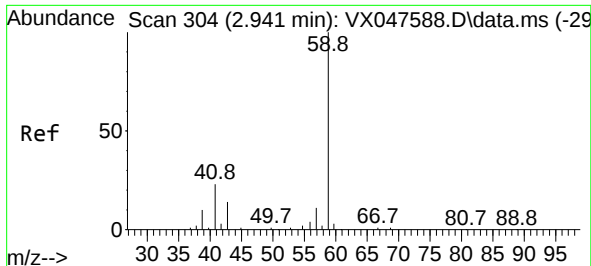
Tgt Ion: 94 Resp: 291
Ion Ratio Lower Upper
94 100
96 68.8 76.6 115.0#



#10
Methyl Iodide
Concen: 0.471 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

Tgt Ion: 142 Resp: 1140
Ion Ratio Lower Upper
142 100
127 40.9 37.2 55.8
141 0.0 11.4 17.0#

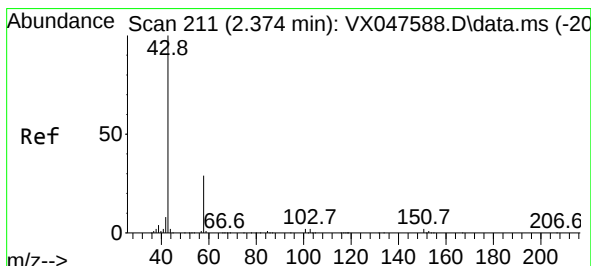
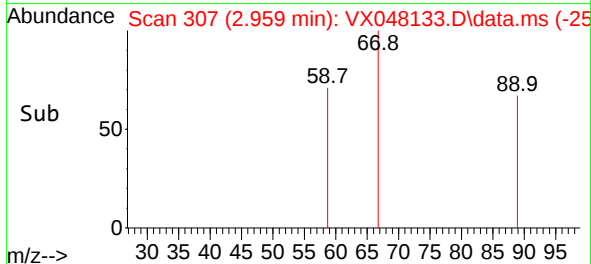
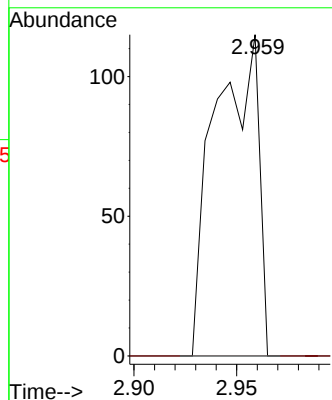
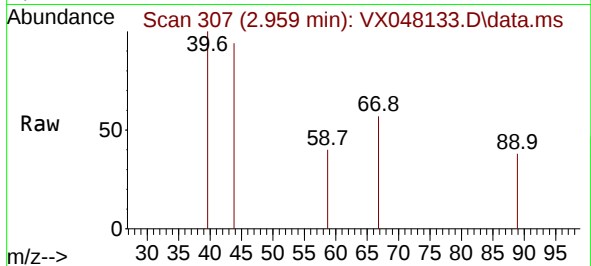




#11
Tert butyl alcohol
Concen: 0.711 ug/l
RT: 2.959 min Scan# 30
Delta R.T. 0.018 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

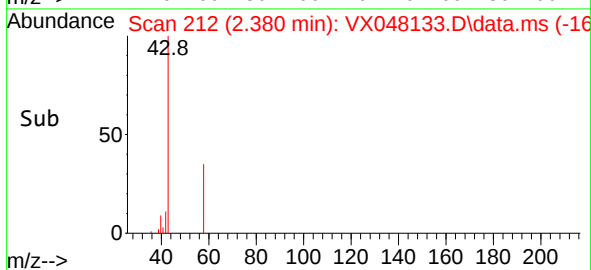
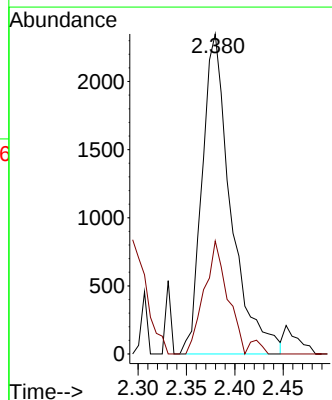
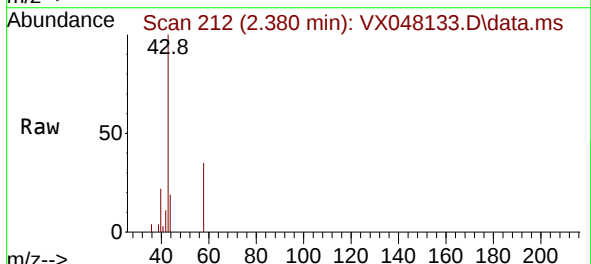
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-DUP-20251009

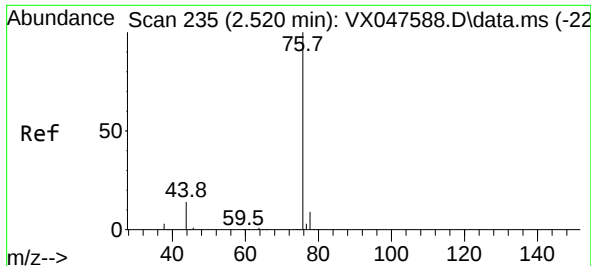
Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 5.227 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

Tgt Ion: 43 Resp: 4852
Ion Ratio Lower Upper
43 100
58 30.5 23.4 35.0





#17

Carbon Disulfide

Concen: 0.242 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX048133.D

Acq: 13 Oct 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

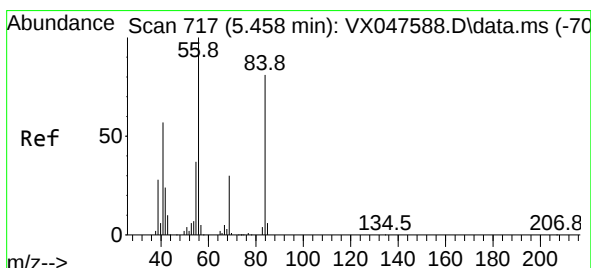
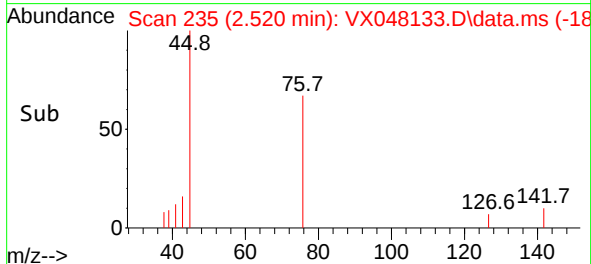
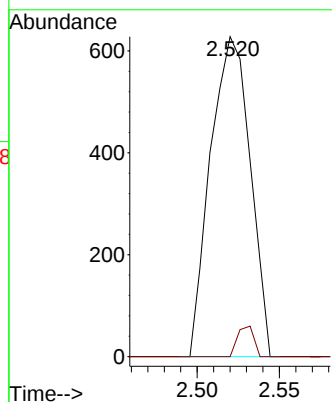
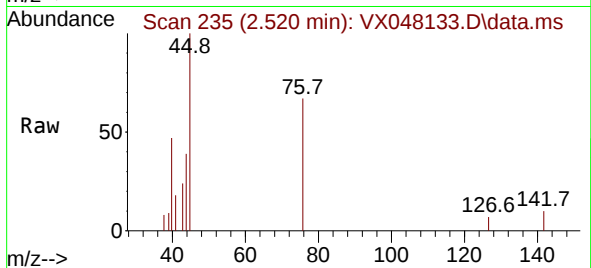
BP-VPB-184-DUP-20251009

Tgt Ion: 76 Resp: 1055

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



#31

Cyclohexane

Concen: 1.083 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.091 min

Lab File: VX048133.D

Acq: 13 Oct 2025 12:05

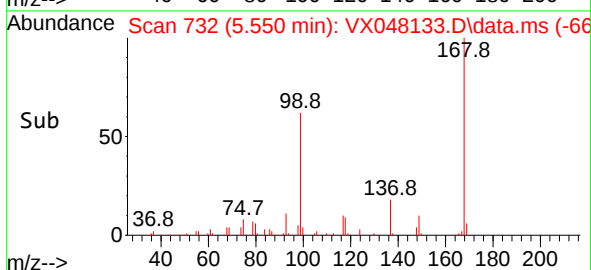
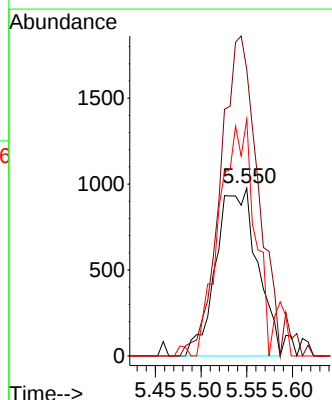
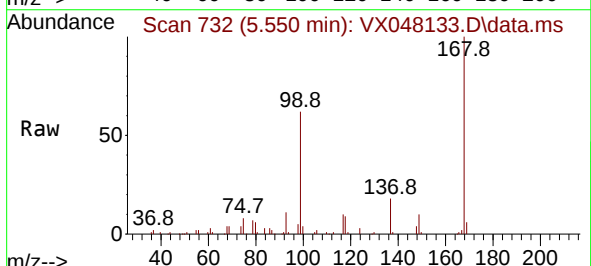
Tgt Ion: 56 Resp: 3054

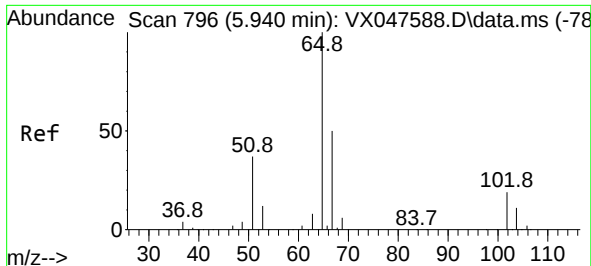
Ion Ratio Lower Upper

56 100

69 170.8 23.8 35.8#

84 135.2 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 52.002 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048133.D

Acq: 13 Oct 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

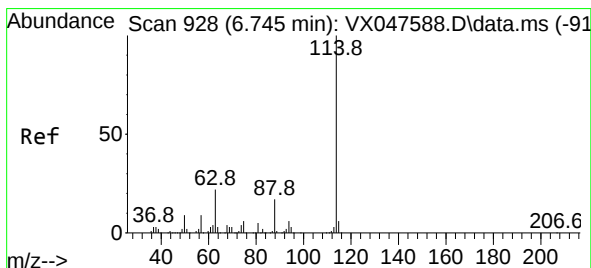
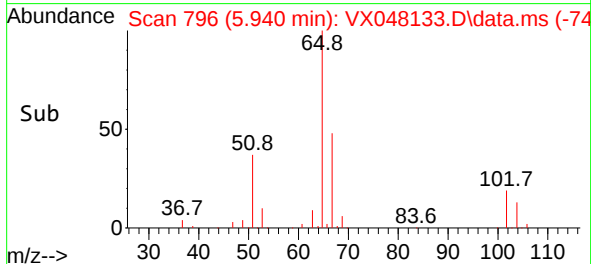
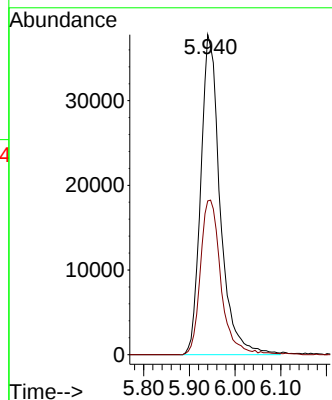
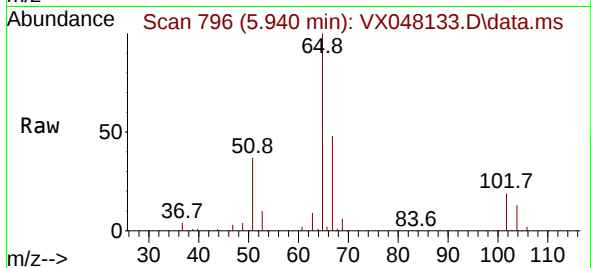
BP-VPB-184-DUP-20251009

Tgt Ion: 65 Resp: 111025

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX048133.D

Acq: 13 Oct 2025 12:05

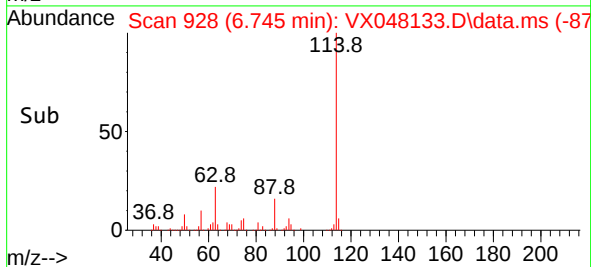
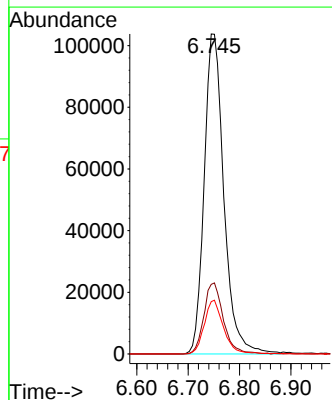
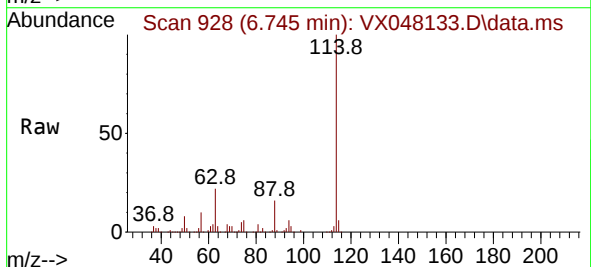
Tgt Ion: 114 Resp: 276039

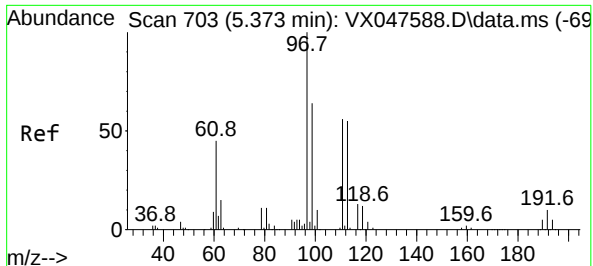
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.0

88 16.3 0.0 34.2

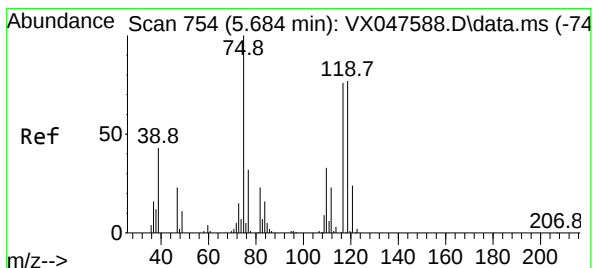
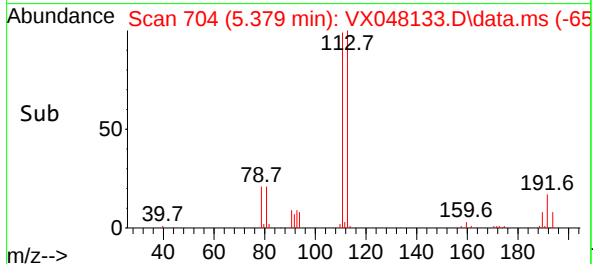
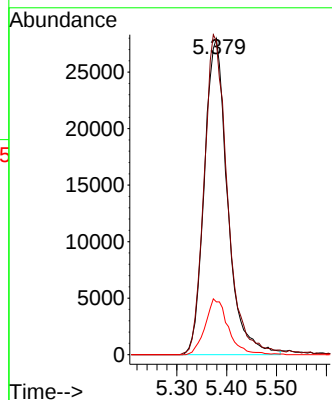
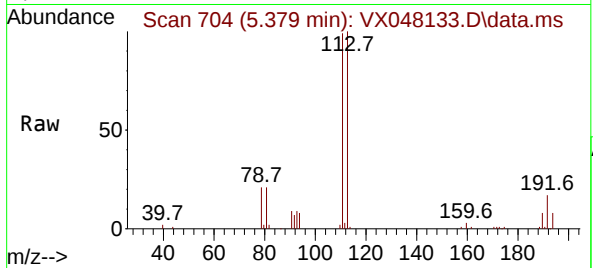




#35
Dibromofluoromethane
Concen: 48.819 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

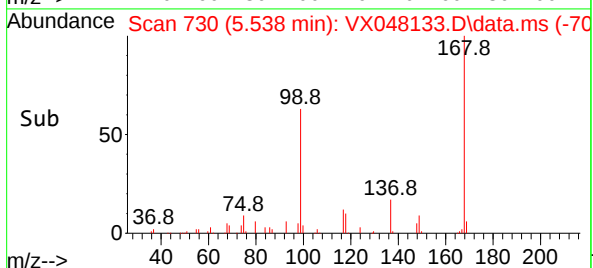
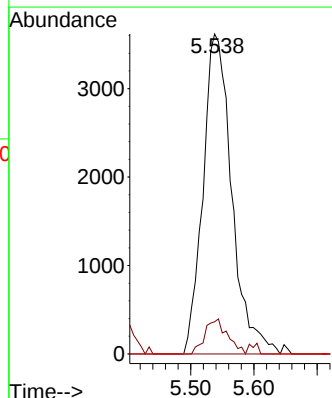
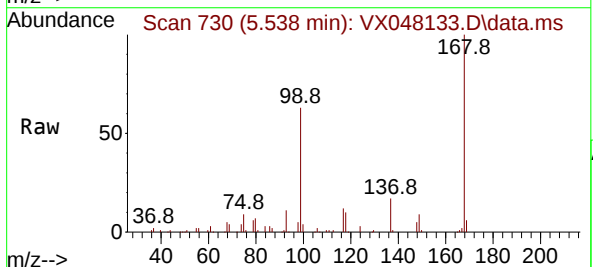
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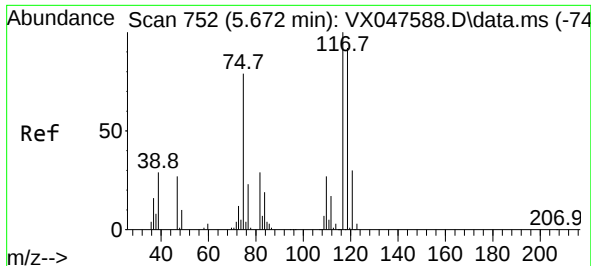
Tgt Ion:113 Resp: 90378
Ion Ratio Lower Upper
113 100
111 102.3 80.9 121.3
192 17.6 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.222 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

Tgt Ion: 75 Resp: 11420
Ion Ratio Lower Upper
75 100
110 8.6 16.7 50.1#
77 0.0 24.3 36.5#

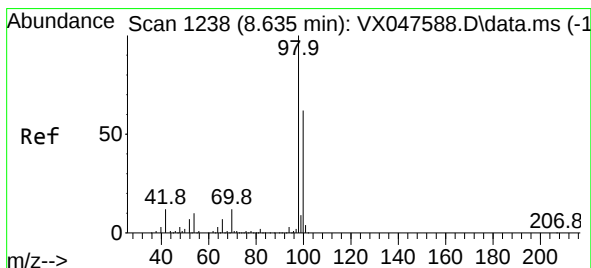
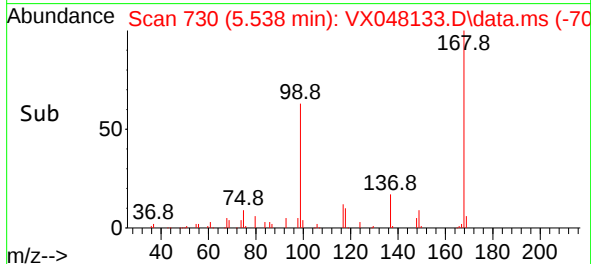
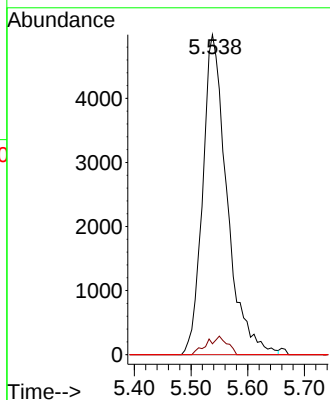
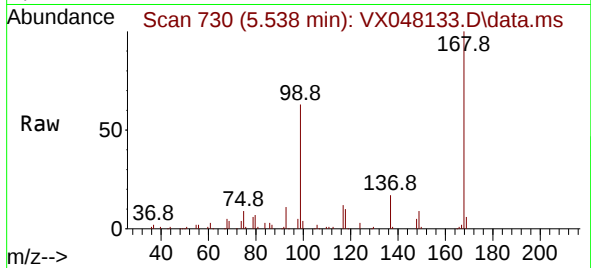




#38
Carbon Tetrachloride
Concen: 5.063 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

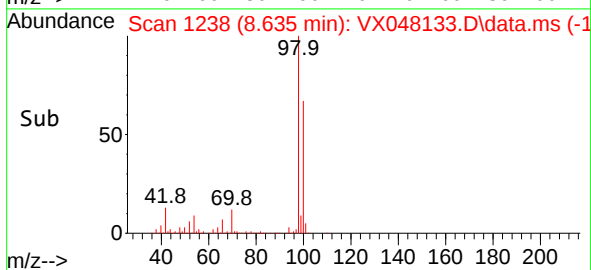
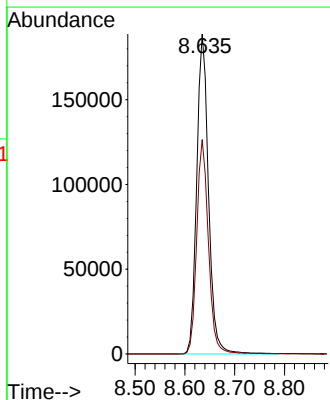
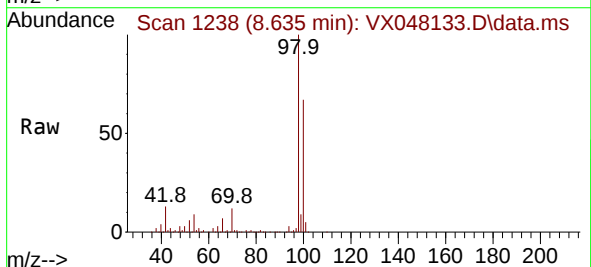
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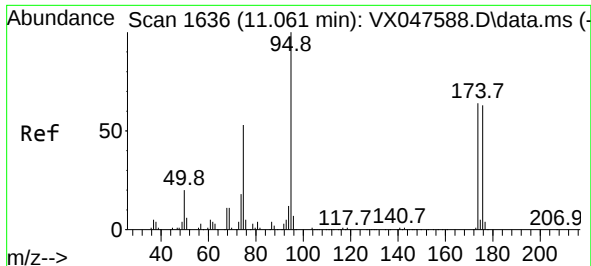
Tgt Ion:117 Resp: 14881
Ion Ratio Lower Upper
117 100
119 3.4 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.380 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

Tgt Ion: 98 Resp: 309909
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4

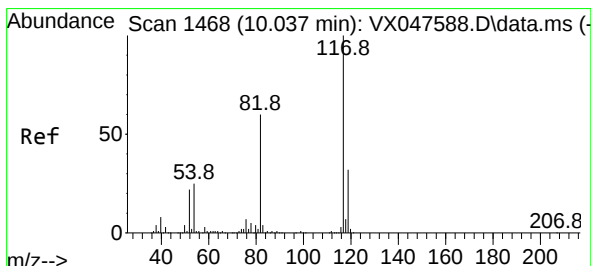
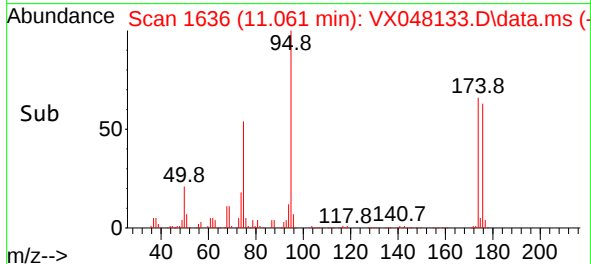
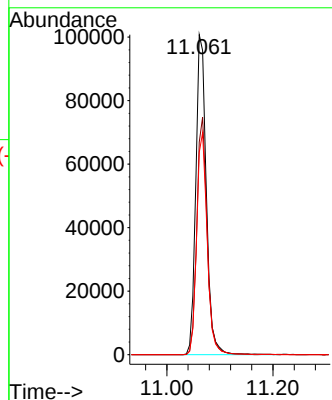
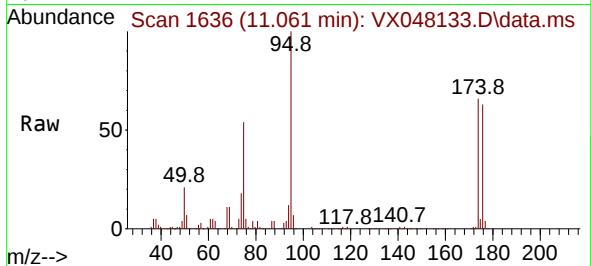




#62
4-Bromofluorobenzene
Concen: 56.711 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

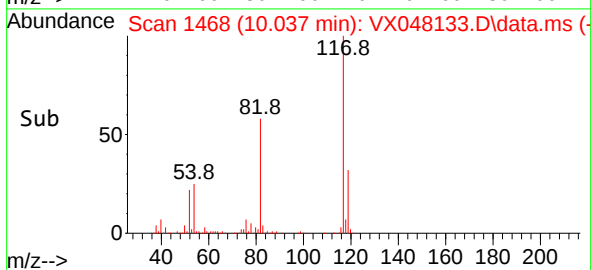
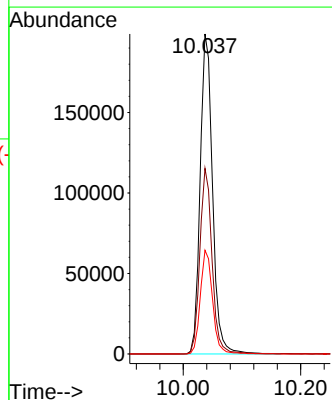
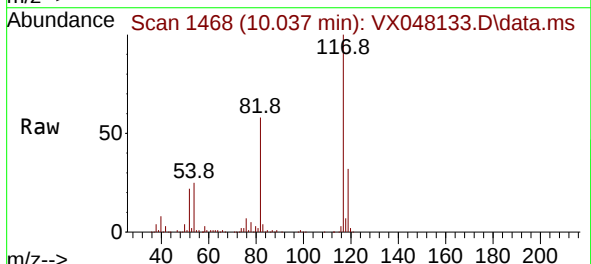
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-DUP-20251009

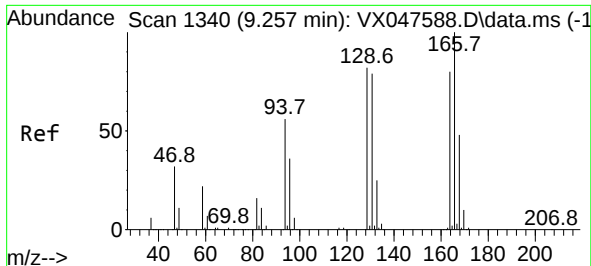
Tgt Ion: 95 Resp: 137869
Ion Ratio Lower Upper
95 100
174 73.0 0.0 141.6
176 69.1 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

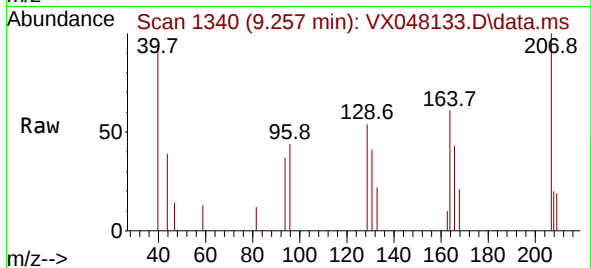
Tgt Ion: 117 Resp: 289836
Ion Ratio Lower Upper
117 100
82 58.0 47.8 71.6
119 32.4 25.2 37.8



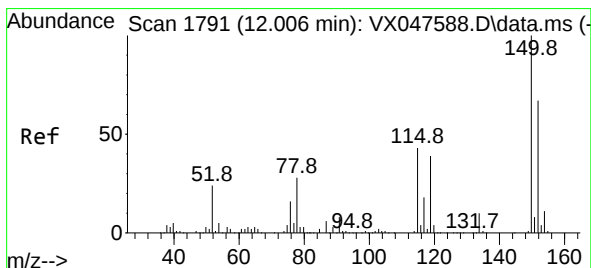
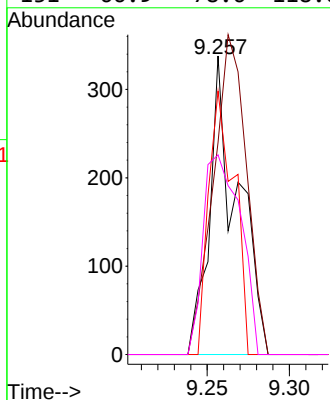
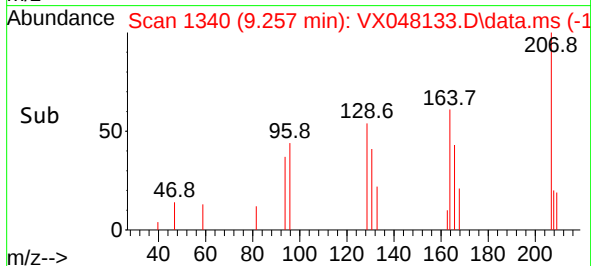


#64
Tetrachloroethene
Concen: 0.213 ug/l
RT: 9.257 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05

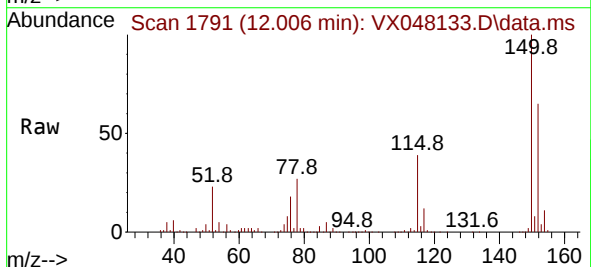
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-DUP-20251009



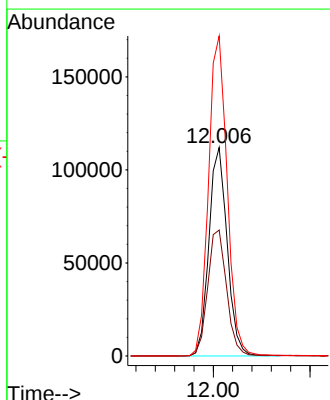
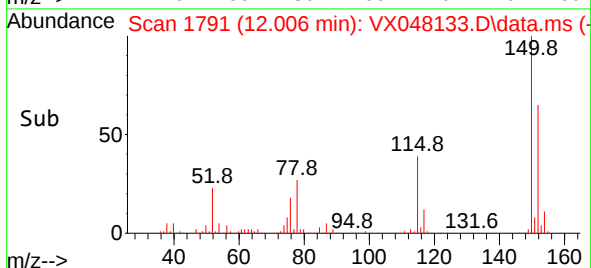
Tgt Ion:164 Resp: 402
Ion Ratio Lower Upper
164 100
166 71.0 100.2 150.2#
129 88.2 81.8 122.6
131 66.9 78.6 118.0#

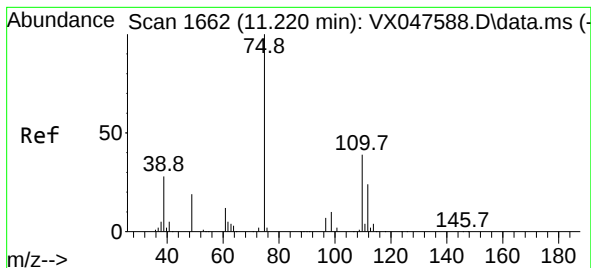


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048133.D
Acq: 13 Oct 2025 12:05



Tgt Ion:152 Resp: 147242
Ion Ratio Lower Upper
152 100
115 62.8 44.9 134.5
150 156.6 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 24.462 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX048133.D

Acq: 13 Oct 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

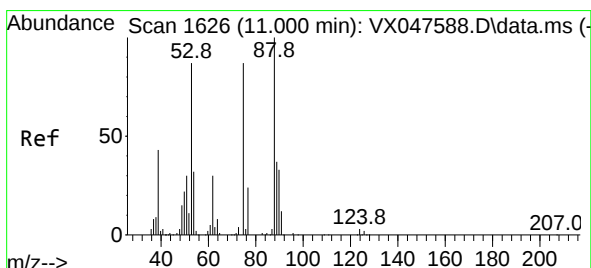
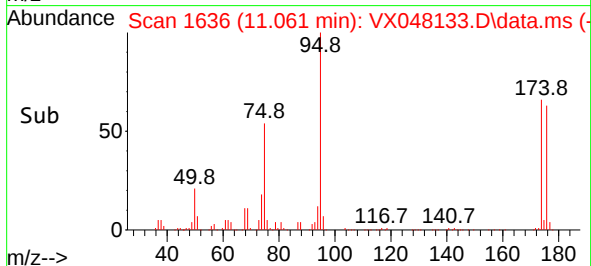
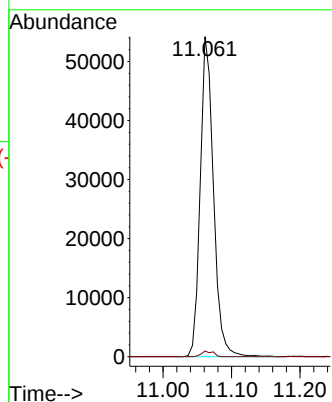
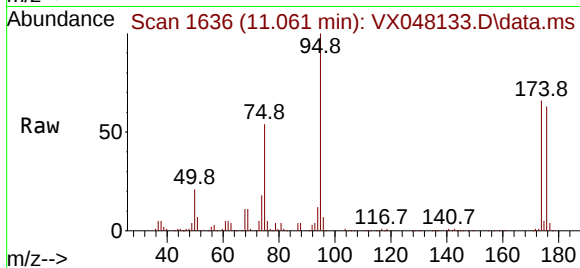
BP-VPB-184-DUP-20251009

Tgt Ion: 75 Resp: 72925

Ion Ratio Lower Upper

75 100

77 1.6 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.381 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048133.D

Acq: 13 Oct 2025 12:05

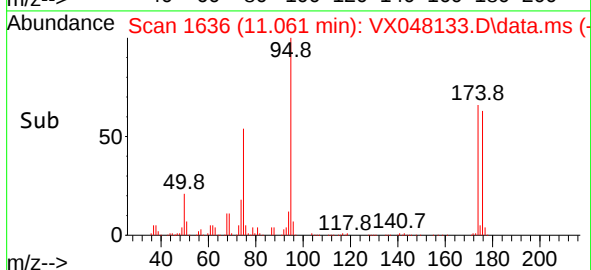
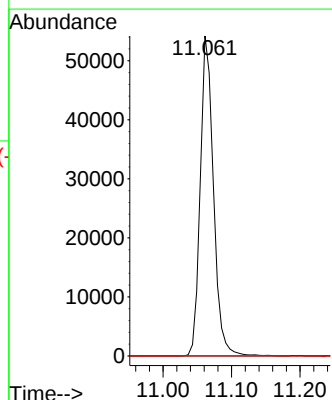
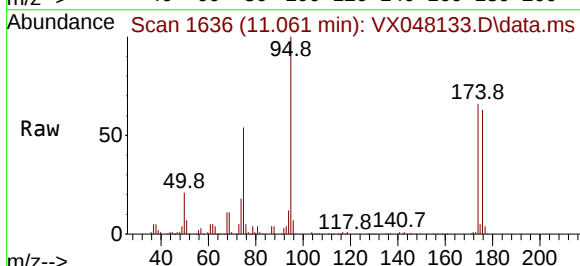
Tgt Ion: 75 Resp: 72925

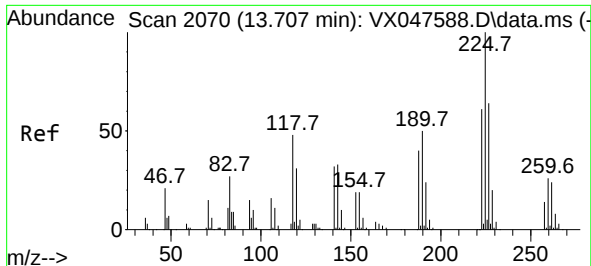
Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 36.3 54.5#





#94

Hexachlorobutadiene

Concen: 0.321 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VX048133.D

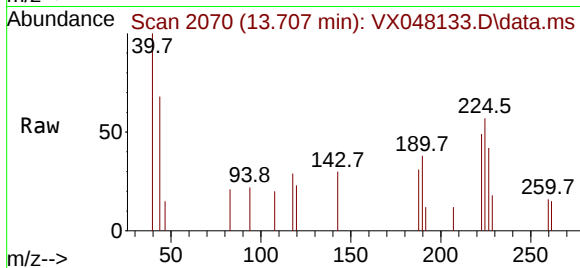
Acq: 13 Oct 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-DUP-20251009



Tgt Ion:	225	Resp:	346
Ion	Ratio	Lower	Upper
225	100		
223	77.2	31.7	95.1
227	73.4	32.0	96.0

