

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048242.D
 Acq On : 20 Oct 2025 16:38
 Operator : JC/MD
 Sample : Q3371-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VPB184-HYD-20251016

Quant Time: Oct 25 03:40:46 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)

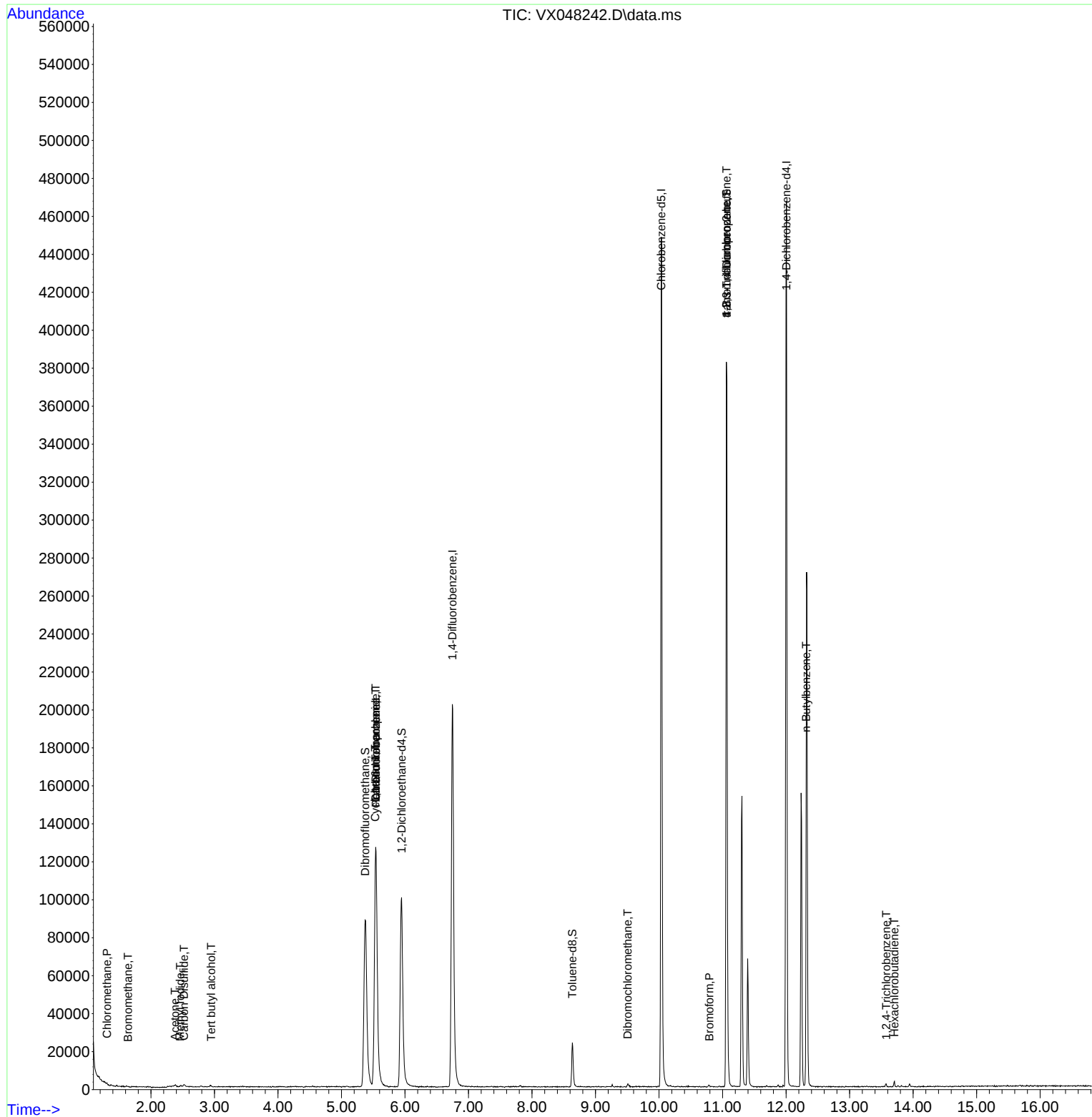
Internal Standards						
1) Pentafluorobenzene	5.544	168	131566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	228008	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	207347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	102951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111418	60.401	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 120.800%#		
35) Dibromofluoromethane	5.373	113	88685	56.974	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 113.940%		
50) Toluene-d8	8.635	98	15496	2.840	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 5.680%#		
62) 4-Bromofluorobenzene	11.061	95	111306	53.625	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 107.260%		
Target Compounds						
						Qvalue
3) Chloromethane	1.307	50	413	0.327	ug/l	93
5) Bromomethane	1.636	94	230	0.290	ug/l #	58
10) Methyl Iodide	2.459	142	766	0.429	ug/l #	80
11) Tert butyl alcohol	2.947	59	178	0.972	ug/l #	72
16) Acetone	2.380	43	1203	1.901	ug/l	98
17) Carbon Disulfide	2.520	76	902	0.207	ug/l #	75
31) Cyclohexane	5.531	56	2539	1.109	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	9770	4.416	ug/l #	51
38) Carbon Tetrachloride	5.538	117	13303	4.874	ug/l #	17
60) Dibromochloromethane	9.506	129	901	0.442	ug/l	90
71) Bromoform	10.793	173	455	0.332	ug/l #	90
76) 1,2,3-Trichloropropane	11.061	75	57498	34.440	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	57498	83.790	ug/l #	10
89) n-Butylbenzene	12.317	91	1284	0.212	ug/l	78
93) 1,2,4-Trichlorobenzene	13.579	180	626	0.277	ug/l	96
94) Hexachlorobutadiene	13.707	225	487	0.642	ug/l	88

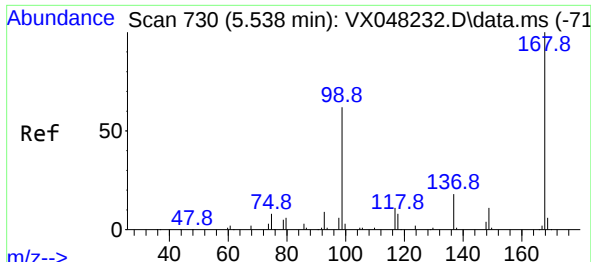
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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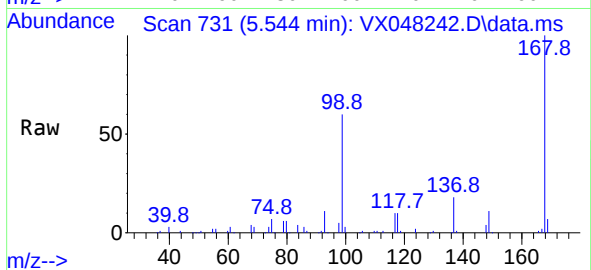
Quant Time: Oct 25 03:40:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
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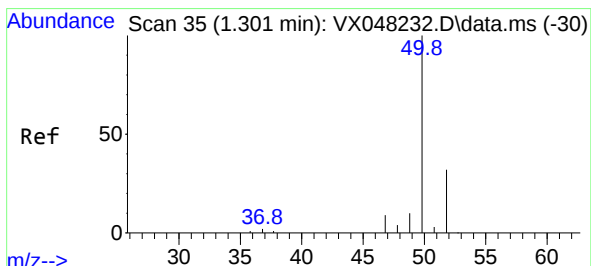
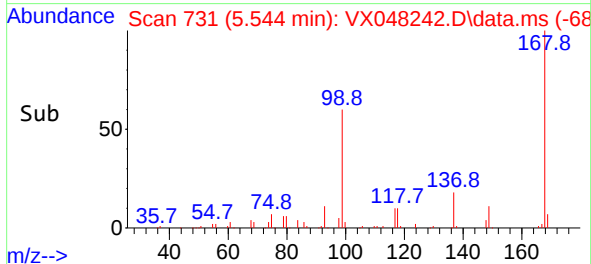
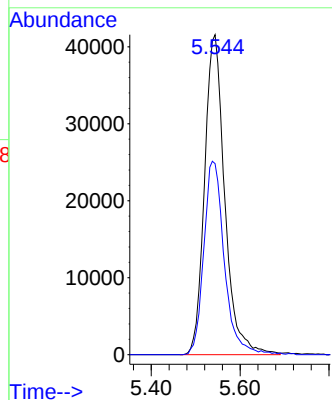


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251016

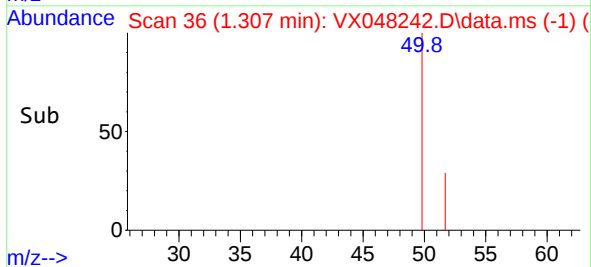
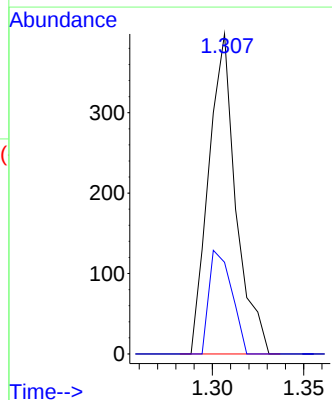
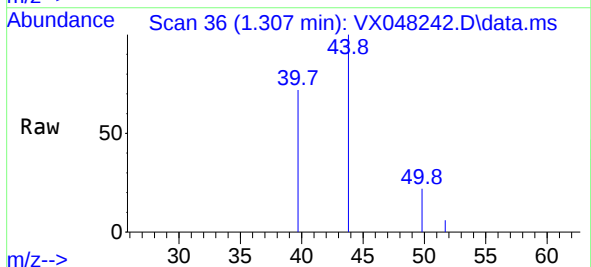


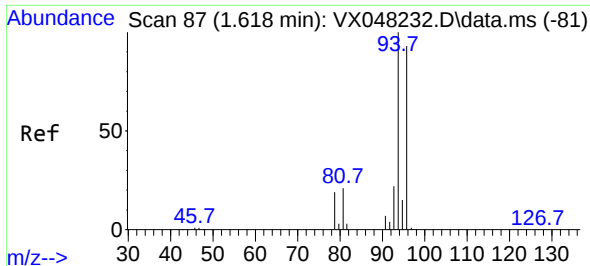
Tgt Ion:168 Resp: 131566
Ion Ratio Lower Upper
168 100
99 59.7 46.4 69.6



#3
Chloromethane
Concen: 0.327 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Tgt Ion: 50 Resp: 413
Ion Ratio Lower Upper
50 100
52 28.6 25.9 38.9

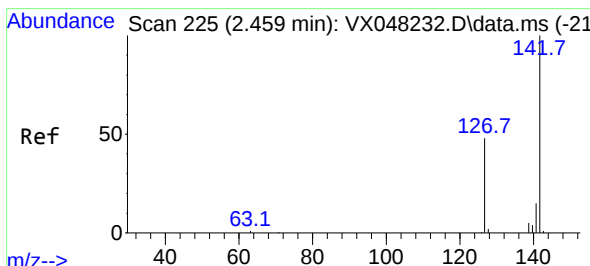
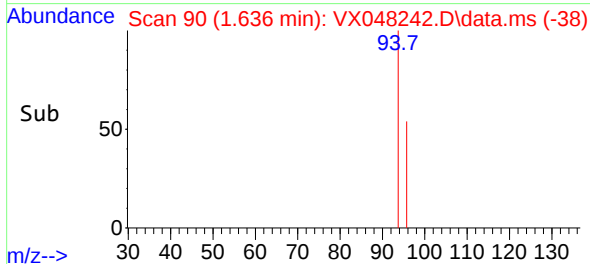
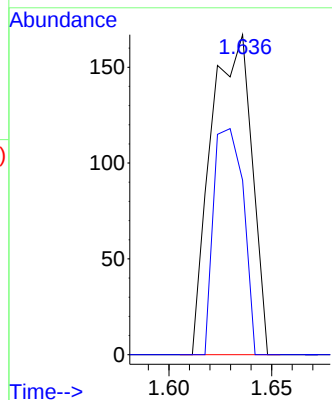
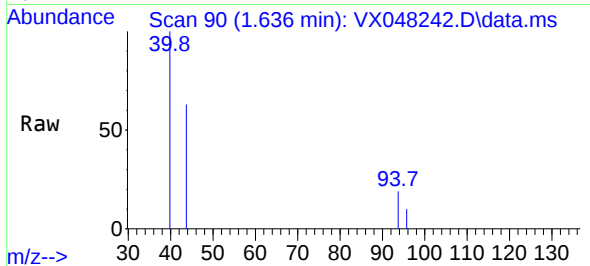




#5
Bromomethane
Concen: 0.290 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.018 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

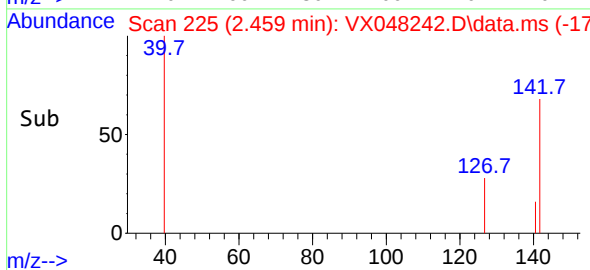
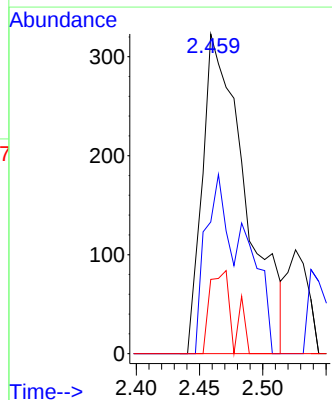
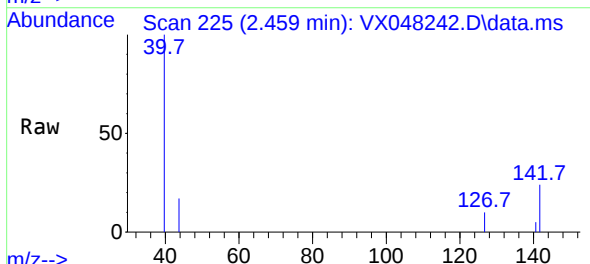
Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251016

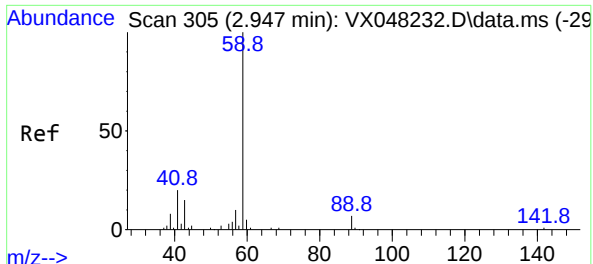
Tgt Ion: 94 Resp: 230
Ion Ratio Lower Upper
94 100
96 54.5 76.0 114.0#



#10
Methyl Iodide
Concen: 0.429 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Tgt Ion: 142 Resp: 766
Ion Ratio Lower Upper
142 100
127 31.1 38.5 57.7#
141 14.0 11.6 17.4





#11

Tert butyl alcohol

Concen: 0.972 ug/l

RT: 2.947 min Scan# 305

Delta R.T. 0.006 min

Lab File: VX048242.D

Acq: 20 Oct 2025 16:38

Instrument :

MSVOA_X

ClientSampleId :

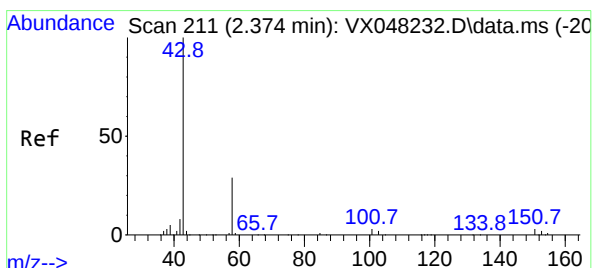
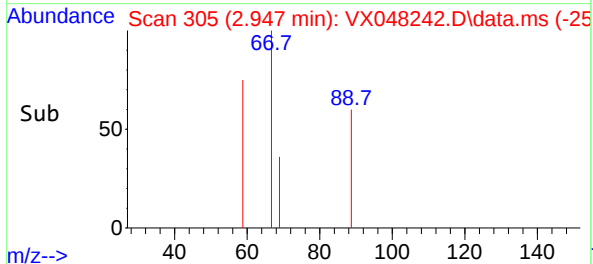
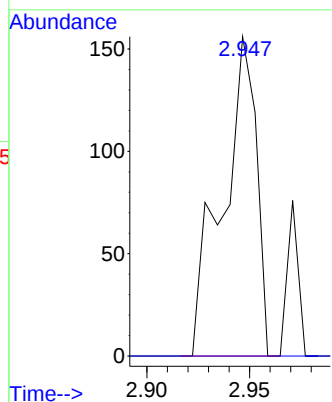
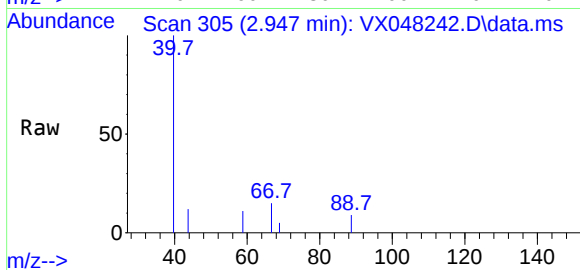
VPB184-HYD-20251016

Tgt Ion: 59 Resp: 178

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 1.901 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX048242.D

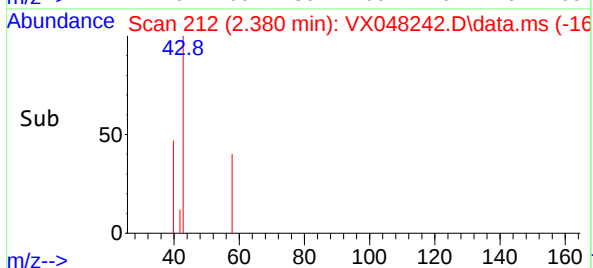
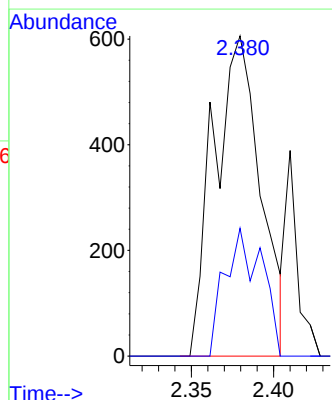
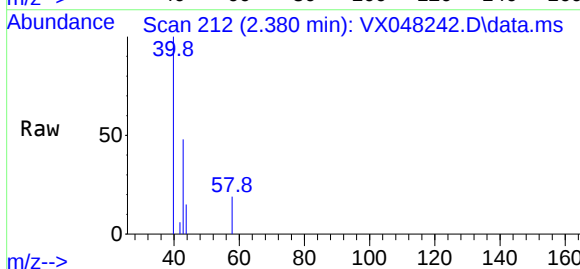
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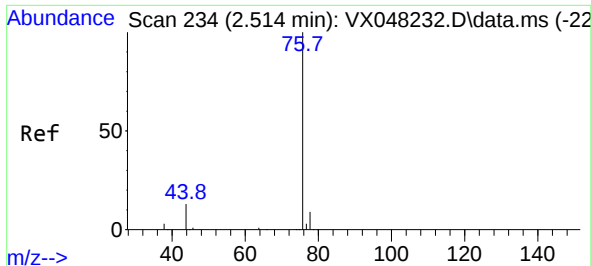
Tgt Ion: 43 Resp: 1203

Ion Ratio Lower Upper

43 100

58 30.5 23.4 35.2

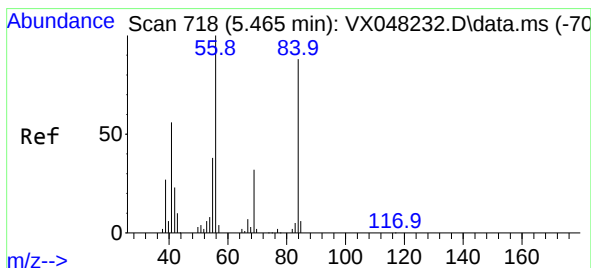
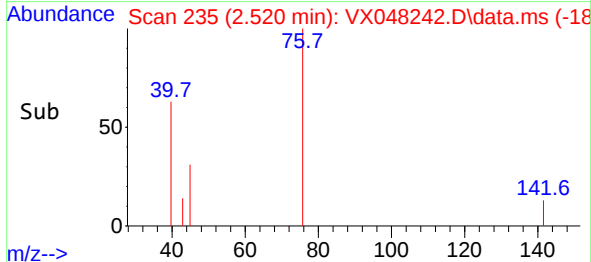
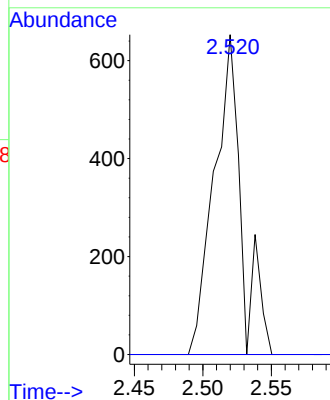
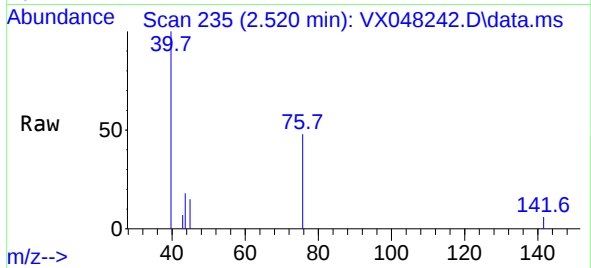




#17
Carbon Disulfide
Concen: 0.207 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

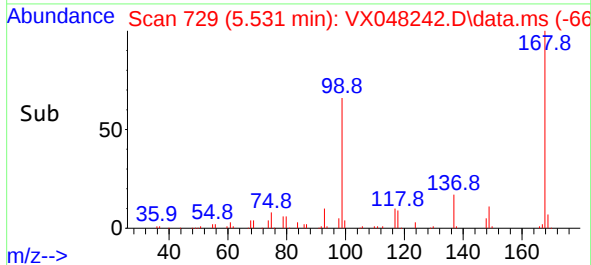
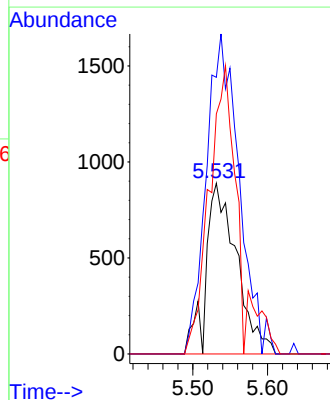
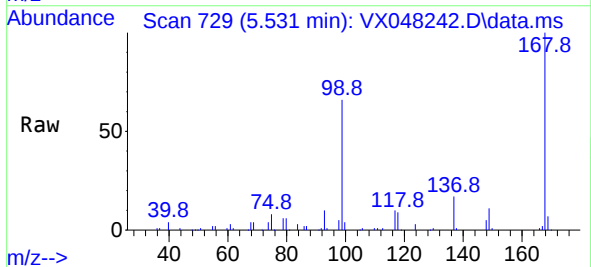
Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251016

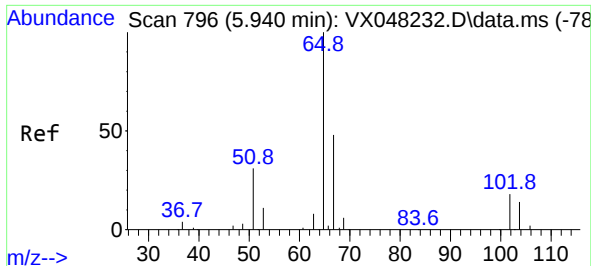
Tgt Ion: 76 Resp: 902
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#31
Cyclohexane
Concen: 1.109 ug/l
RT: 5.531 min Scan# 729
Delta R.T. 0.073 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Tgt Ion: 56 Resp: 2539
Ion Ratio Lower Upper
56 100
69 162.1 23.0 34.6#
84 140.7 64.6 97.0#

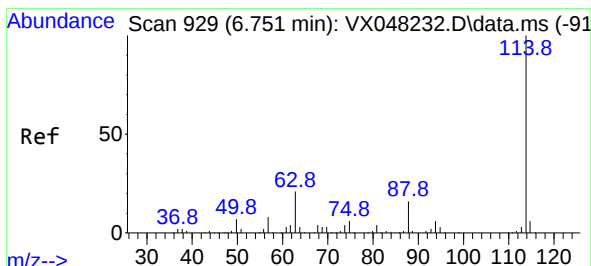
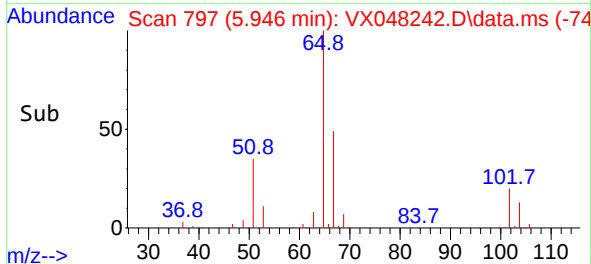
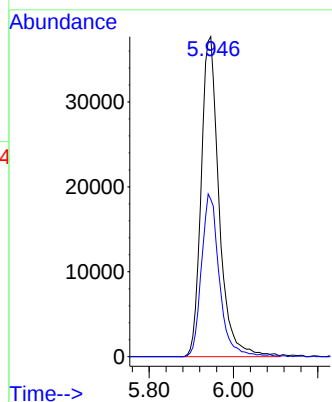
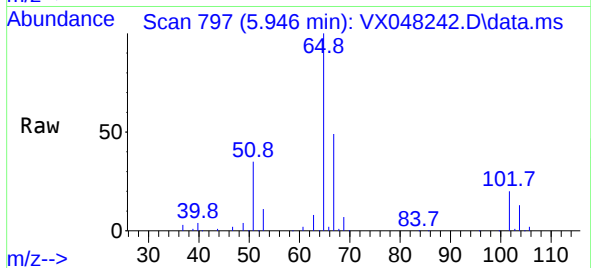




#33
1,2-Dichloroethane-d4
Concen: 60.401 ug/l
RT: 5.946 min Scan# 796
Delta R.T. 0.006 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

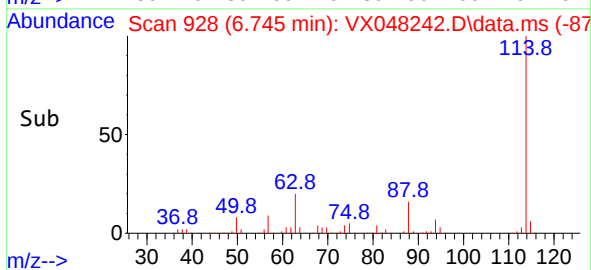
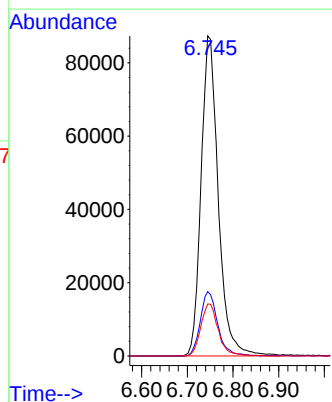
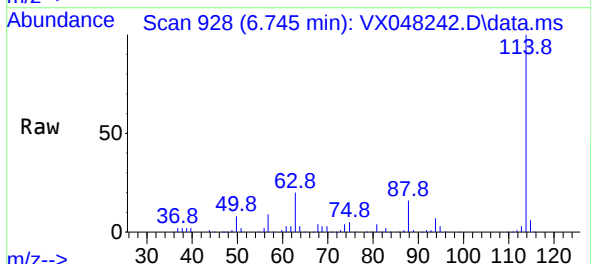
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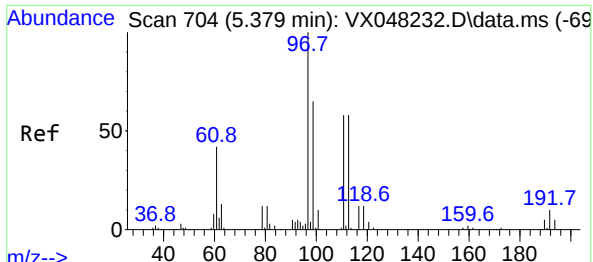
Tgt Ion: 65 Resp: 111418
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Tgt Ion: 114 Resp: 228008
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.2
88 16.3 0.0 33.6

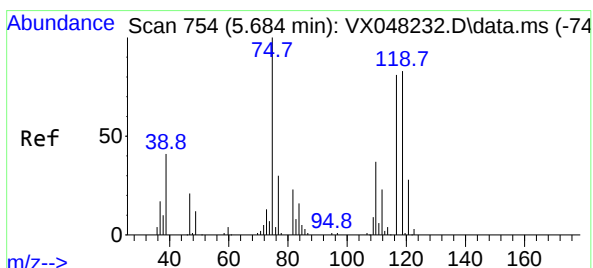
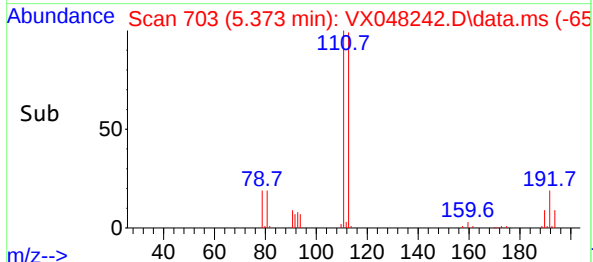
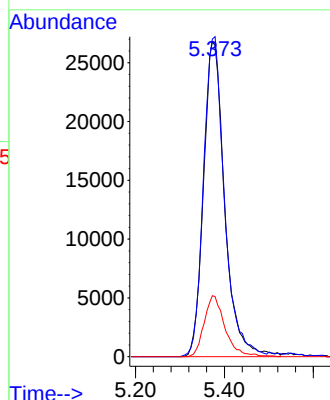
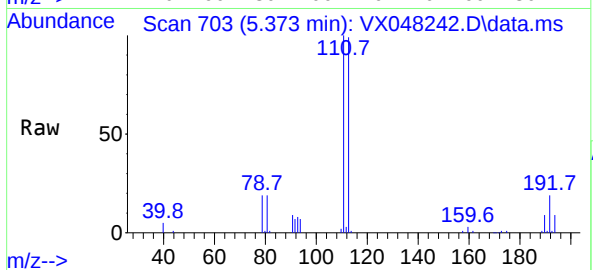




#35
Dibromofluoromethane
Concen: 56.974 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

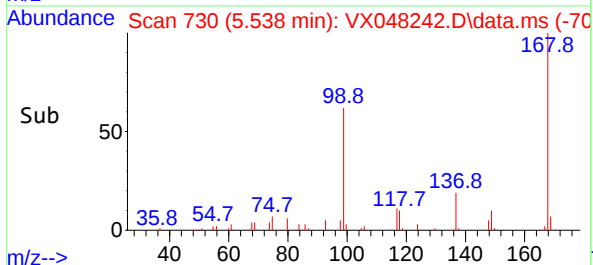
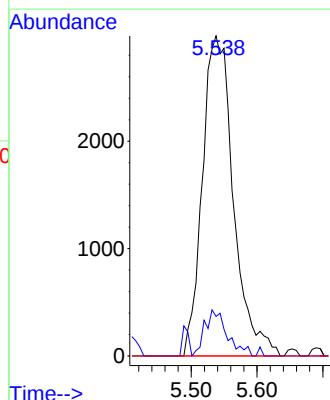
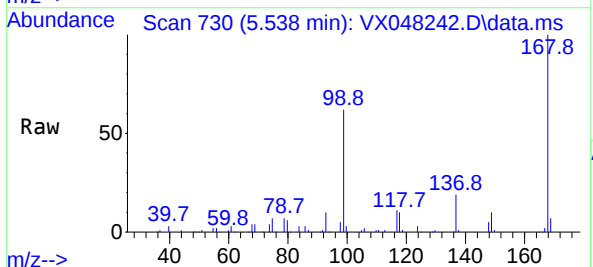
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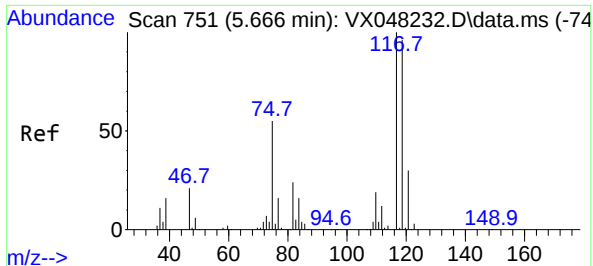
Tgt Ion:	113	Resp:	88685
Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.2	123.4
192	19.0	15.1	22.7



#36
1,1-Dichloropropene
Concen: 4.416 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Tgt Ion:	75	Resp:	9770
Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.7	53.1#
77	0.0	24.3	36.5#

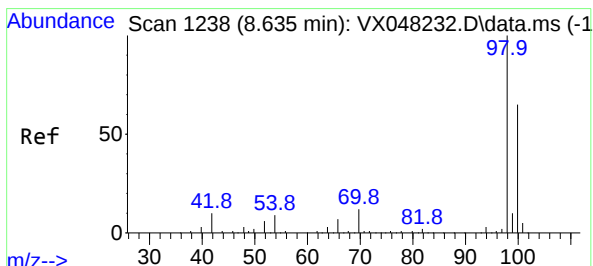
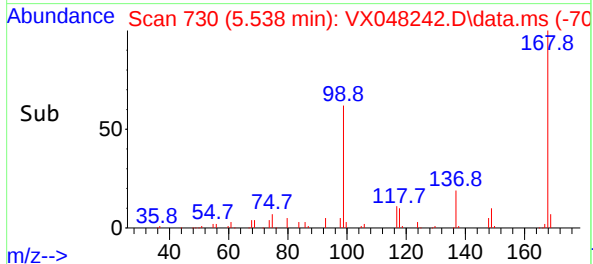
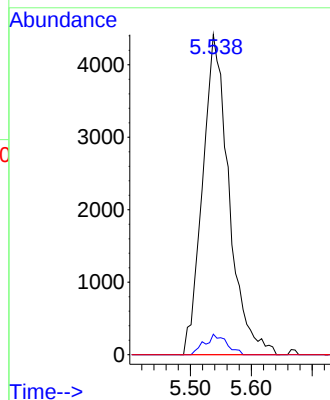
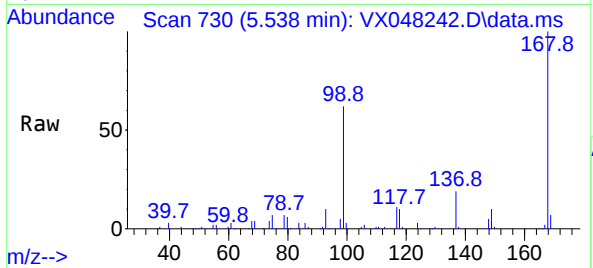




#38
Carbon Tetrachloride
Concen: 4.874 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

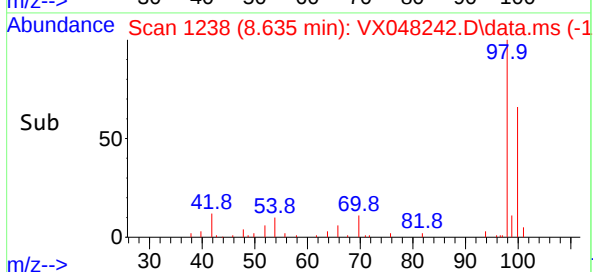
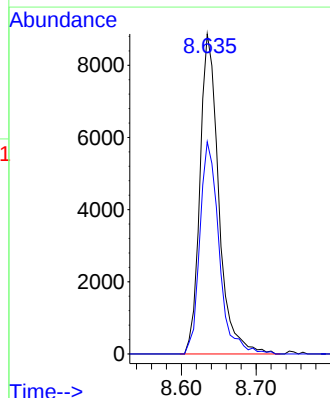
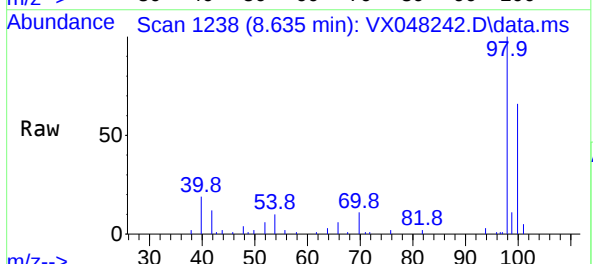
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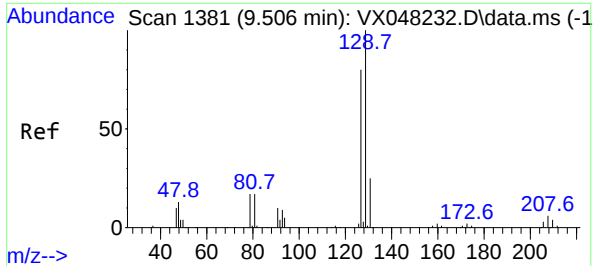
Tgt Ion:117 Resp: 13303
Ion Ratio Lower Upper
117 100
119 6.4 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 2.840 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Tgt Ion: 98 Resp: 15496
Ion Ratio Lower Upper
98 100
100 67.9 53.0 79.4



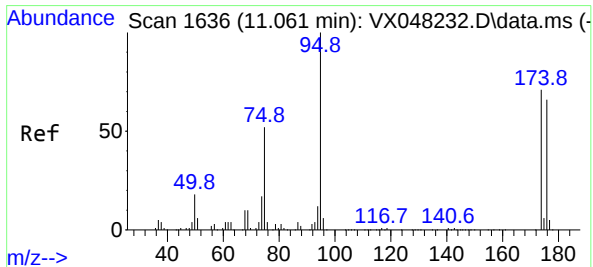
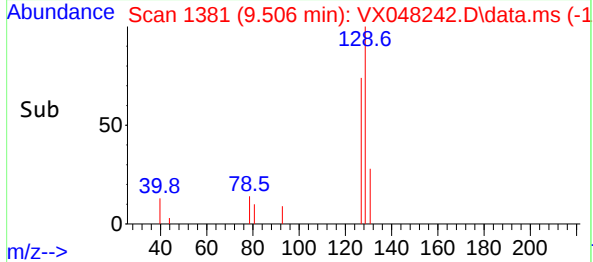
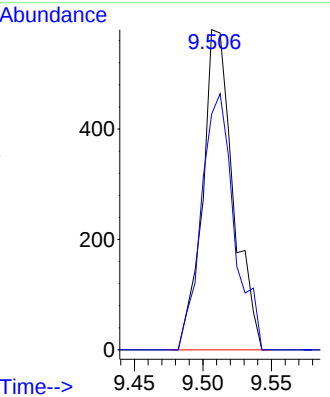
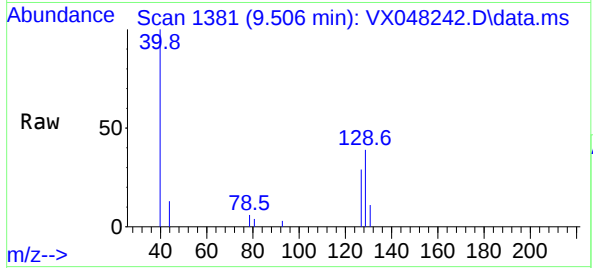


#60
Dibromochloromethane
Concen: 0.442 ug/l
RT: 9.506 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion:129 Resp: 901

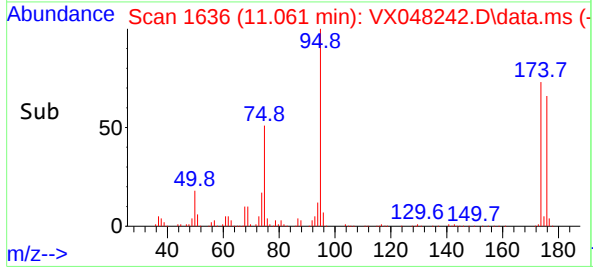
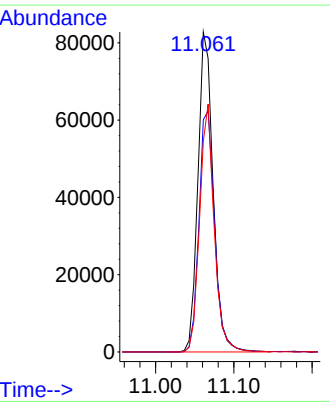
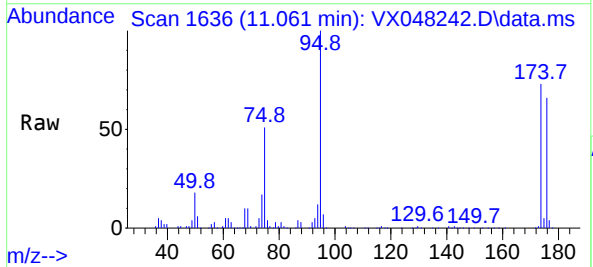
Ion	Ratio	Lower	Upper
129	100		
127	85.7	38.6	115.7

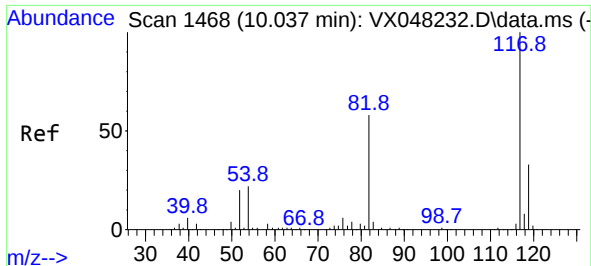


#62
4-Bromofluorobenzene
Concen: 53.625 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Tgt Ion: 95 Resp: 111306

Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	147.8
176	74.1	0.0	142.8

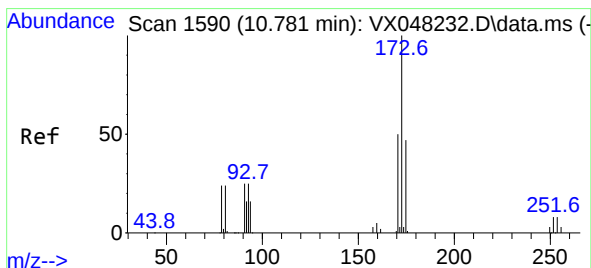
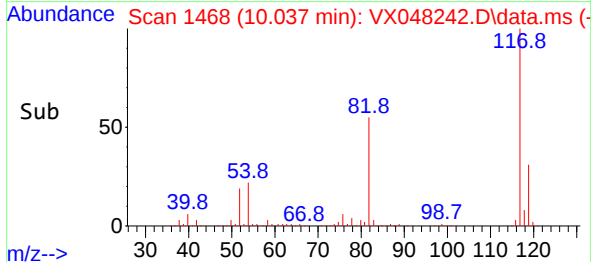
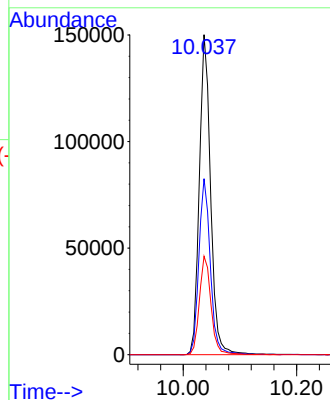
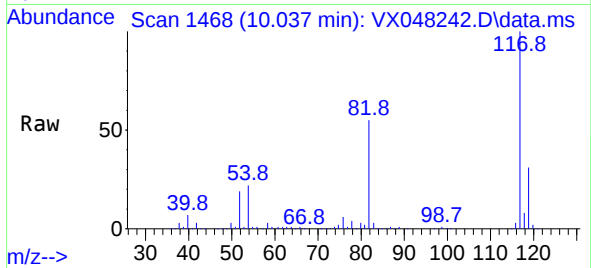




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

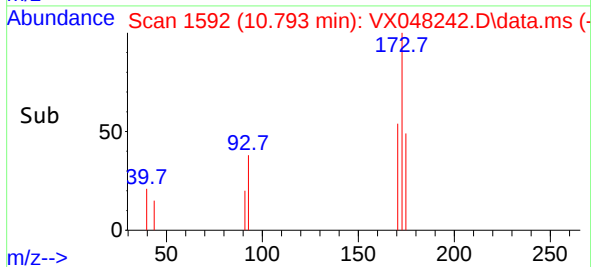
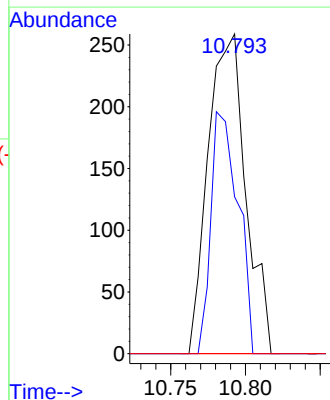
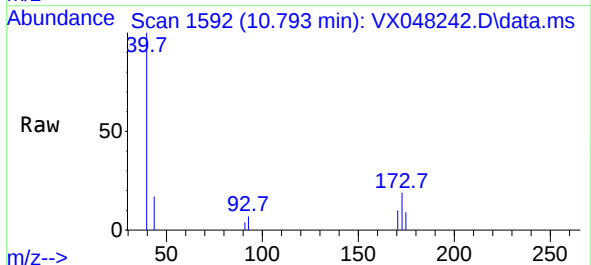
Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251016

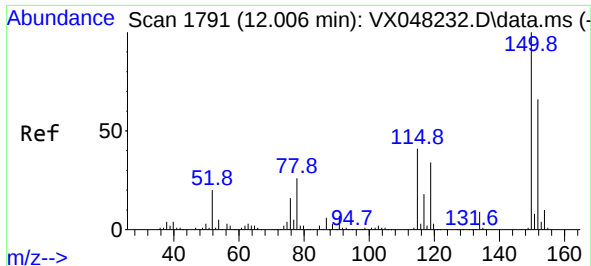
Tgt Ion:117 Resp: 207347
Ion Ratio Lower Upper
117 100
82 55.0 46.5 69.7
119 30.7 25.9 38.9



#71
Bromoform
Concen: 0.332 ug/l
RT: 10.793 min Scan# 1592
Delta R.T. 0.012 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Tgt Ion:173 Resp: 455
Ion Ratio Lower Upper
173 100
175 54.5 24.0 72.0
254 0.0 0.0 0.0

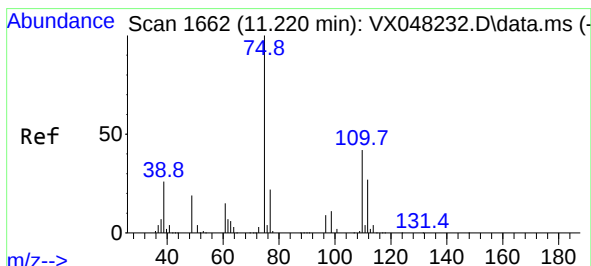
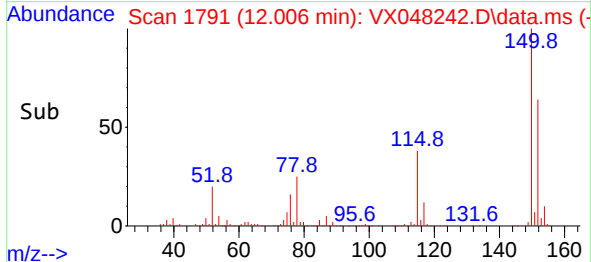
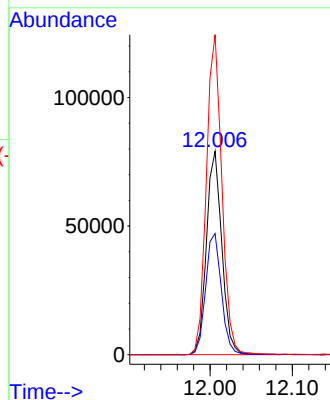
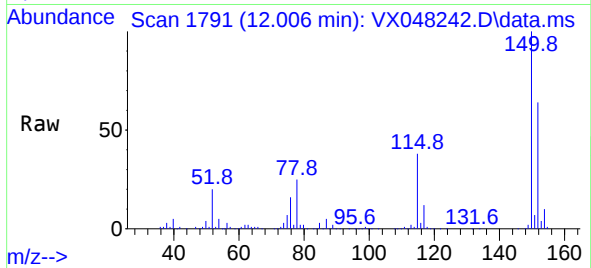




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

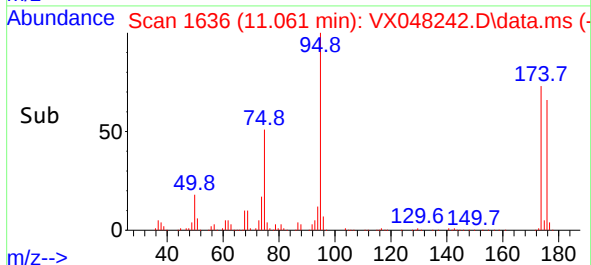
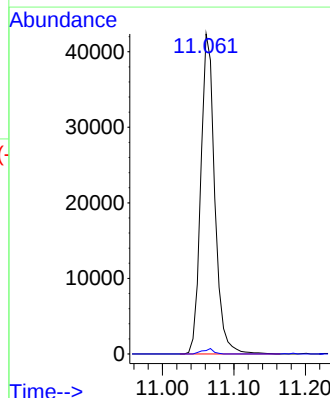
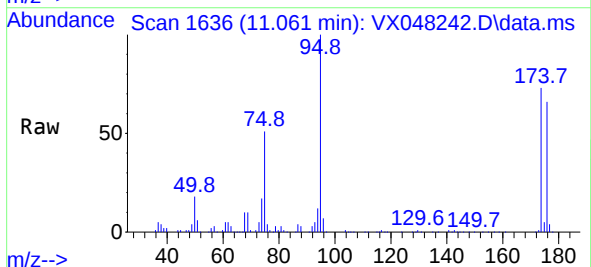
Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251016

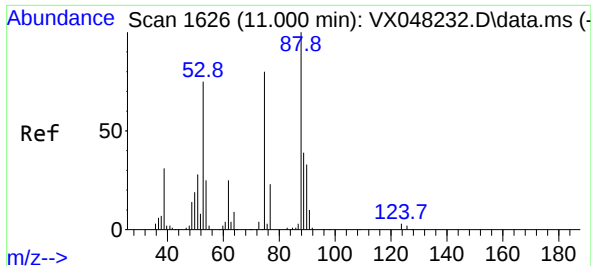
Tgt Ion:152 Resp: 102951
Ion Ratio Lower Upper
152 100
115 60.9 43.1 129.4
150 158.3 0.0 353.0



#76
1,2,3-Trichloropropane
Concen: 34.440 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Tgt Ion: 75 Resp: 57498
Ion Ratio Lower Upper
75 100
77 1.3 22.4 67.2#

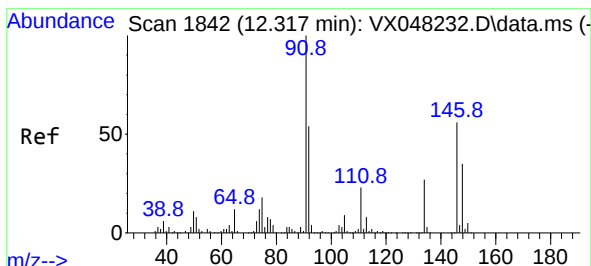
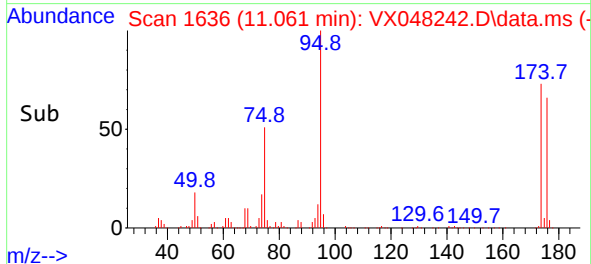
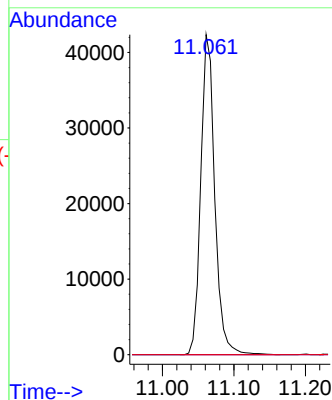
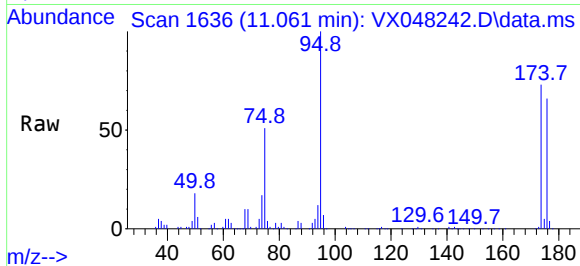




#81
trans-1,4-Dichloro-2-butene
Concen: 83.790 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

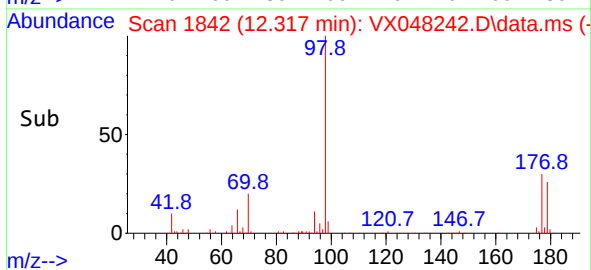
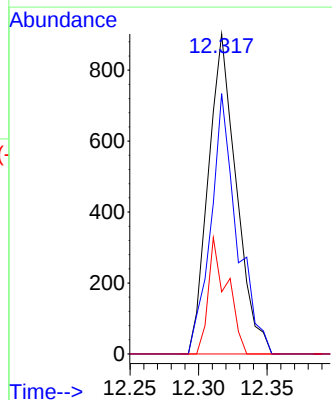
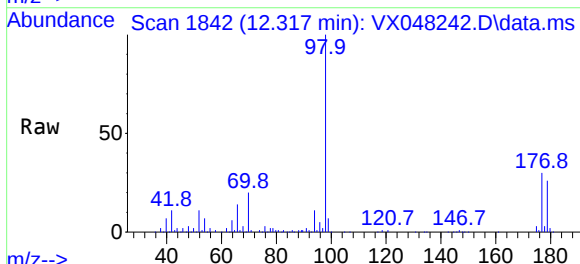
Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251016

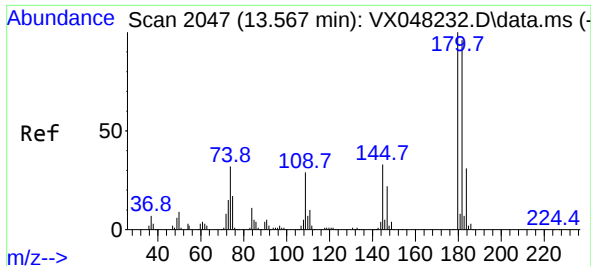
Tgt Ion: 75 Resp: 57498
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#



#89
n-Butylbenzene
Concen: 0.212 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Tgt Ion: 91 Resp: 1284
Ion Ratio Lower Upper
91 100
92 76.1 26.9 80.6
134 24.5 12.7 38.1

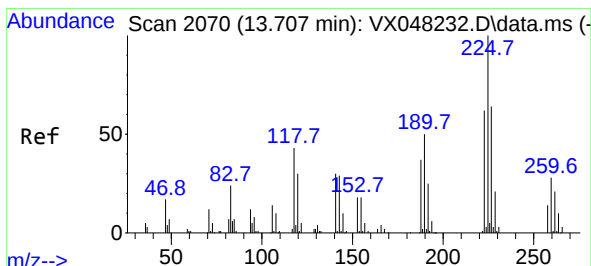
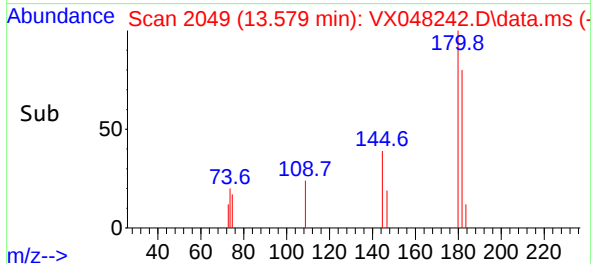
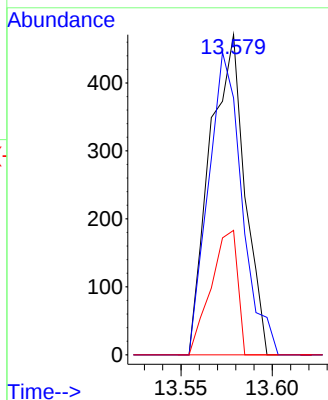
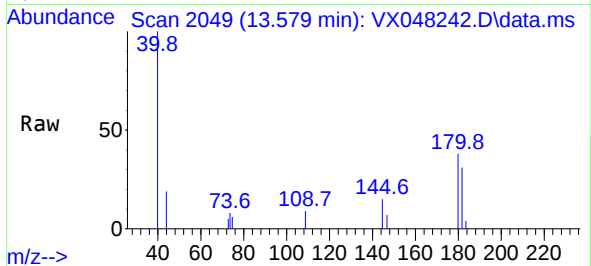




#93
1,2,4-Trichlorobenzene
Concen: 0.277 ug/l
RT: 13.579 min Scan# 2049
Delta R.T. 0.012 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion:180 Resp: 626
Ion Ratio Lower Upper
180 100
182 90.7 47.3 142.0
145 29.6 16.3 48.9



#94
Hexachlorobutadiene
Concen: 0.642 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048242.D
Acq: 20 Oct 2025 16:38

Tgt Ion:225 Resp: 487
Ion Ratio Lower Upper
225 100
223 58.1 32.6 97.7
227 52.6 32.5 97.4

