

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048243.D
 Acq On : 20 Oct 2025 16:59
 Operator : JC/MD
 Sample : Q3371-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-TB-20251010

Quant Time: Oct 25 03:41:03 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)

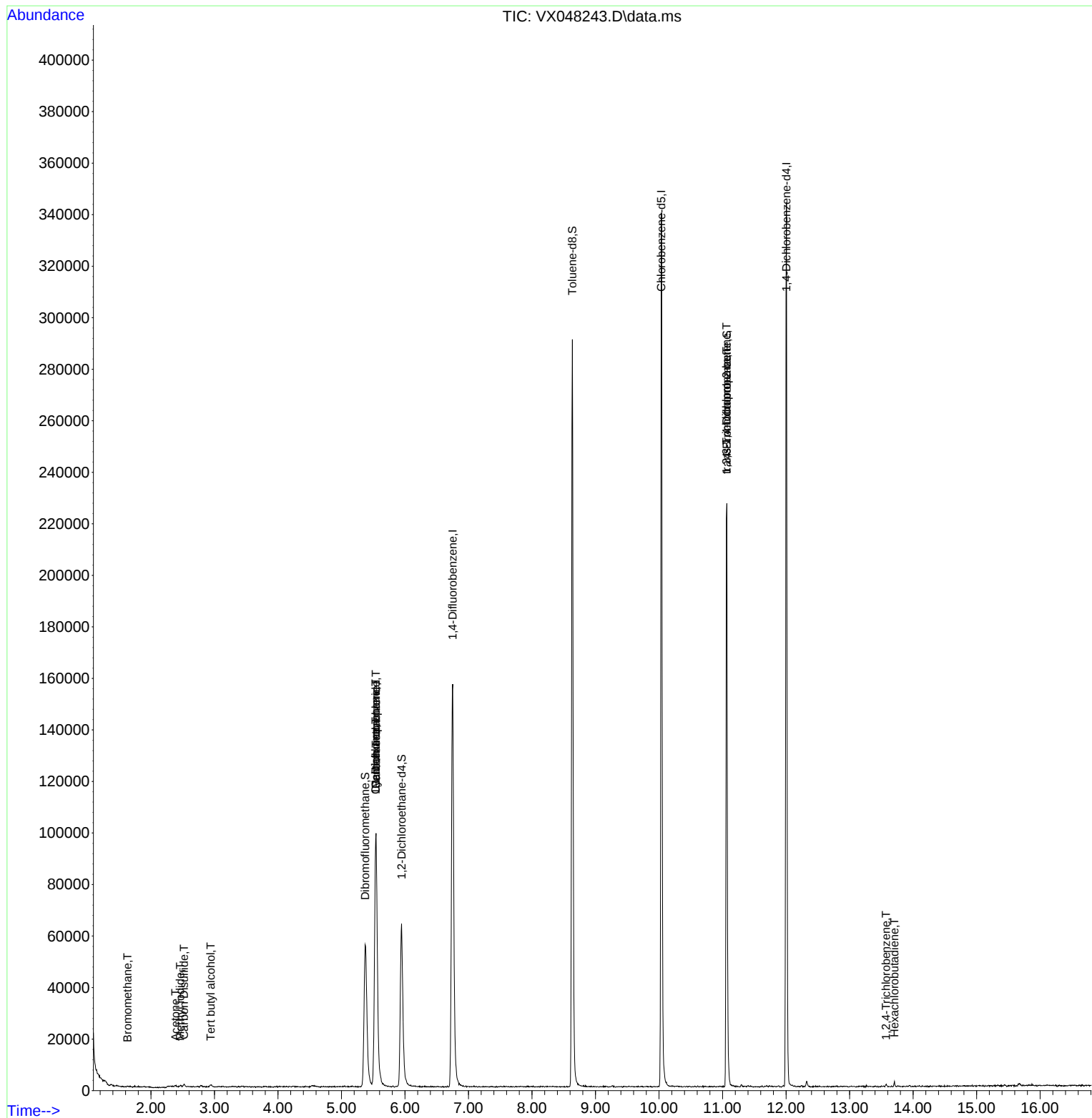
Internal Standards						
1) Pentafluorobenzene	5.544	168	102838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	175007	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	162020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	76063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	68622	47.593	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.180%		
35) Dibromofluoromethane	5.373	113	54851	45.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.820%		
50) Toluene-d8	8.634	98	184696	44.104	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.200%#		
62) 4-Bromofluorobenzene	11.067	95	67957	42.656	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.320%		
Target Compounds						Qvalue
5) Bromomethane	1.630	94	152	0.245	ug/l	92
10) Methyl Iodide	2.459	142	443	0.318	ug/l #	91
11) Tert butyl alcohol	2.940	59	322	2.249	ug/l #	72
16) Acetone	2.386	43	606	1.225	ug/l #	82
17) Carbon Disulfide	2.520	76	756	0.222	ug/l #	75
31) Cyclohexane	5.537	56	1824	1.019	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	7954	4.684	ug/l #	50
38) Carbon Tetrachloride	5.544	117	10769	5.140	ug/l #	15
76) 1,2,3-Trichloropropane	11.061	75	34824	28.232	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	34824	68.687	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.573	180	374	0.224	ug/l	88
94) Hexachlorobutadiene	13.707	225	382	0.677	ug/l	88

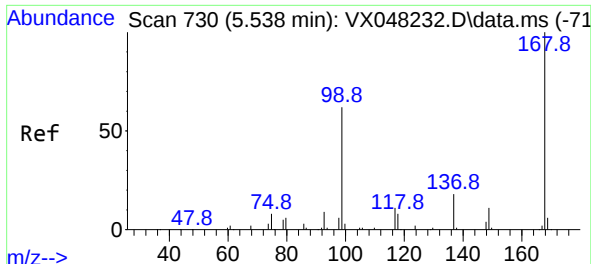
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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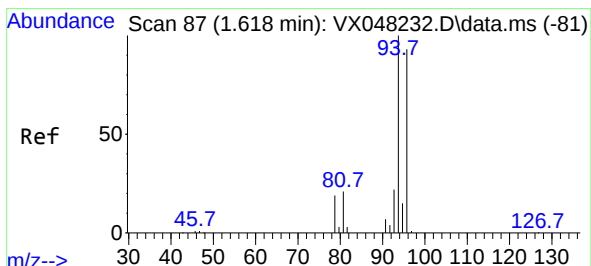
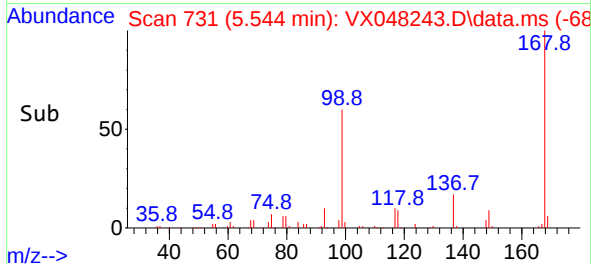
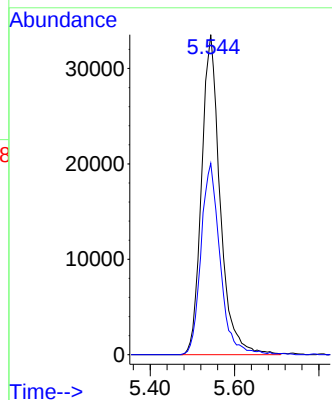
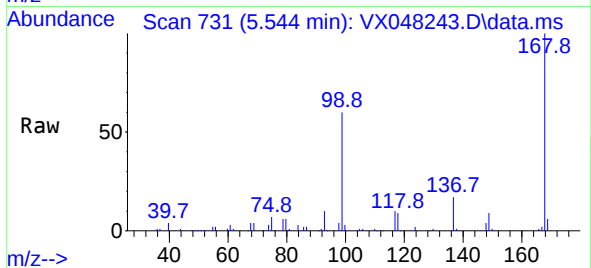




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

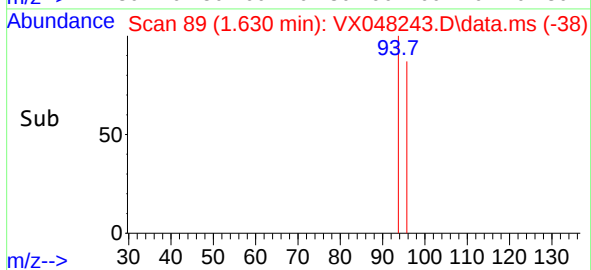
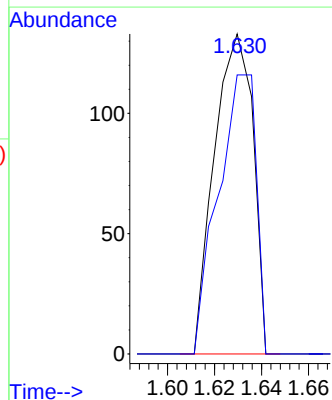
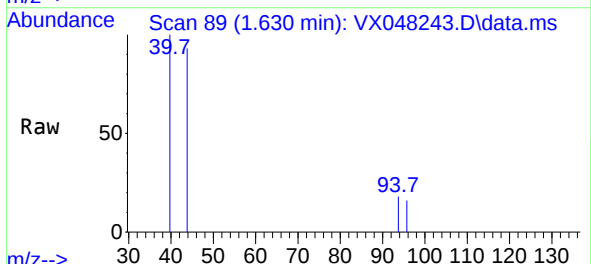
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251010

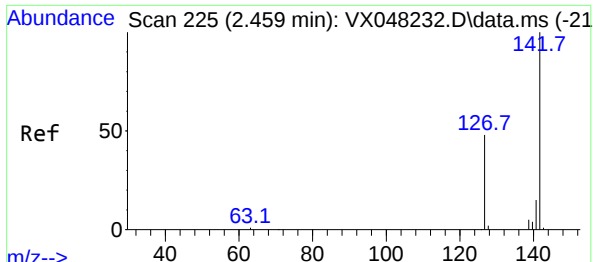
Tgt Ion:168 Resp: 102838
Ion Ratio Lower Upper
168 100
99 59.8 46.4 69.6



#5
Bromomethane
Concen: 0.245 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

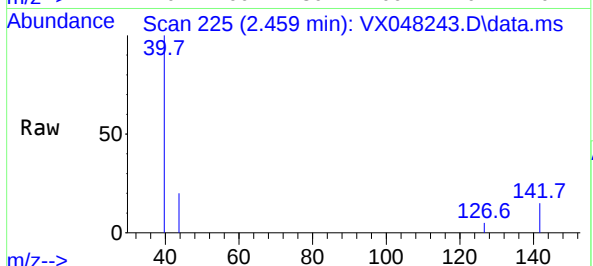
Tgt Ion: 94 Resp: 152
Ion Ratio Lower Upper
94 100
96 87.2 76.0 114.0





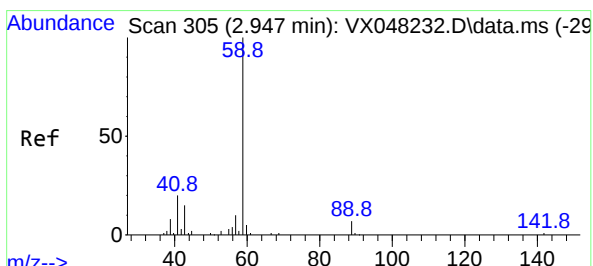
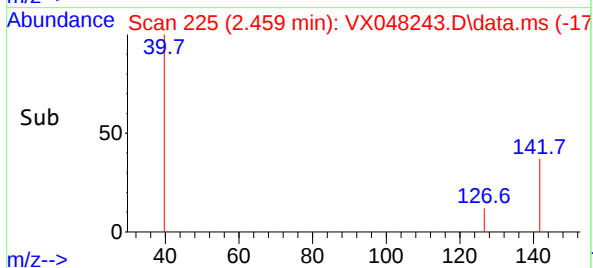
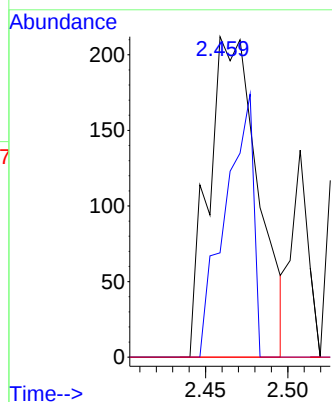
#10
Methyl Iodide
Concen: 0.318 ug/l
RT: 2.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Instrument : MSVOA_X
ClientSampleId : BP-VPB-184-TB-20251010



Tgt Ion:142 Resp: 443

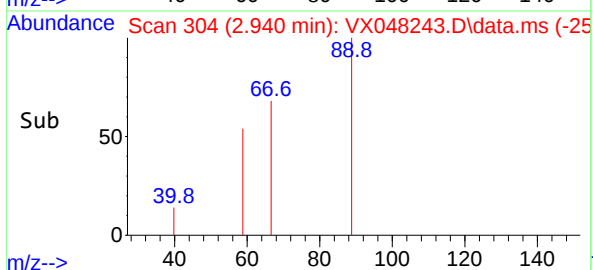
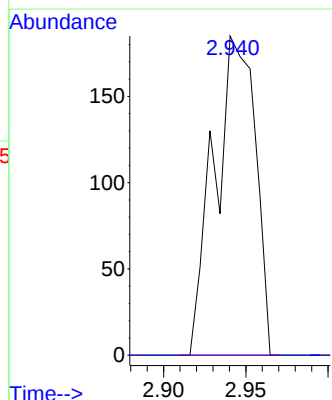
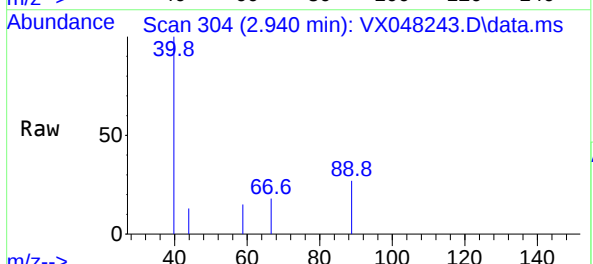
Ion	Ratio	Lower	Upper
142	100		
127	47.0	38.5	57.7
141	0.0	11.6	17.4#

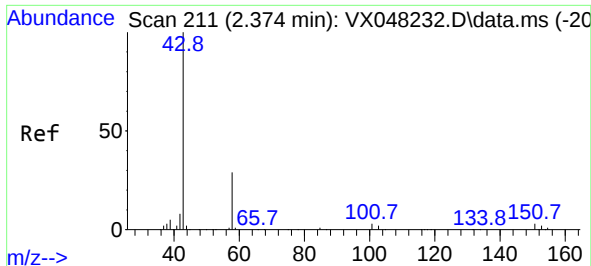


#11
Tert butyl alcohol
Concen: 2.249 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Tgt Ion: 59 Resp: 322

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

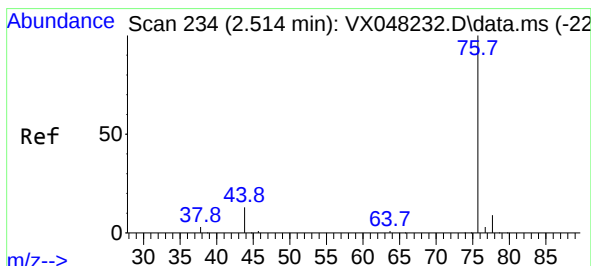
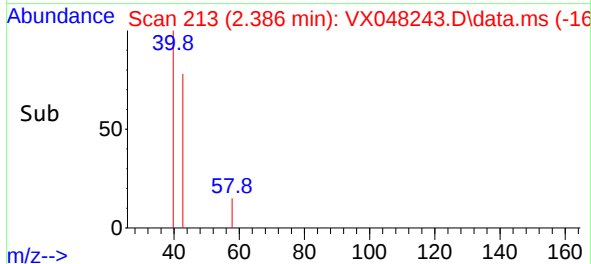
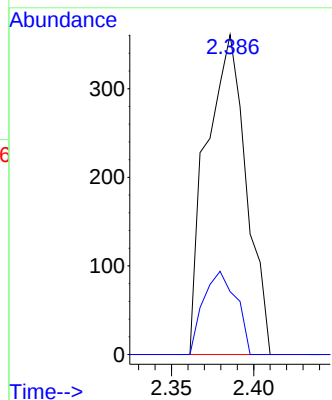
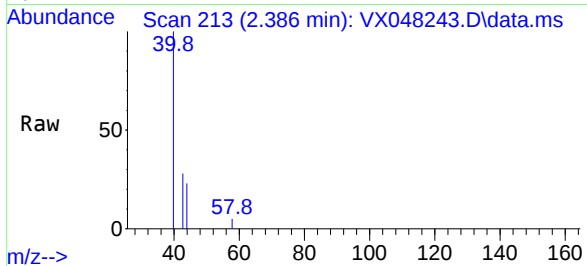




#16
Acetone
Concen: 1.225 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

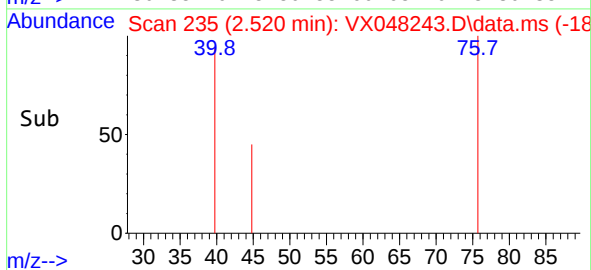
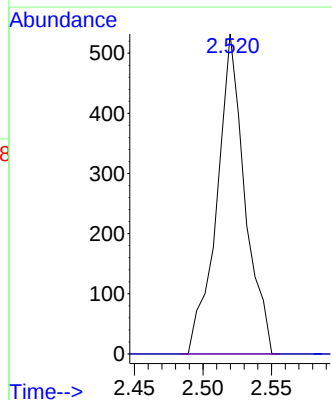
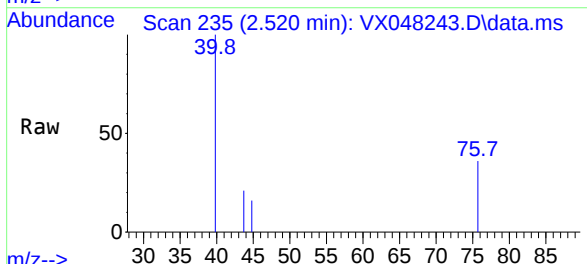
Instrument : MSVOA_X
ClientSampleId : BP-VPB-184-TB-20251010

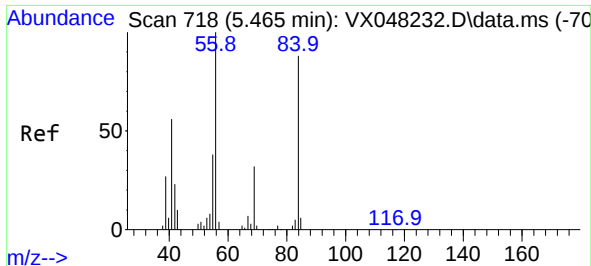
Tgt Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
58 19.7 23.4 35.2#



#17
Carbon Disulfide
Concen: 0.222 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Tgt Ion: 76 Resp: 756
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#

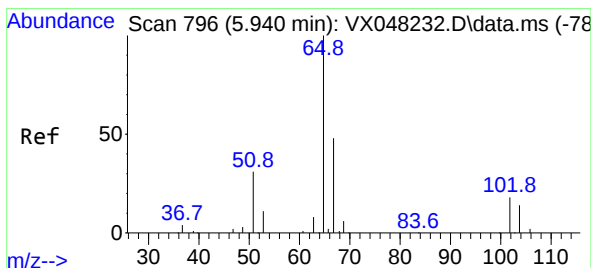
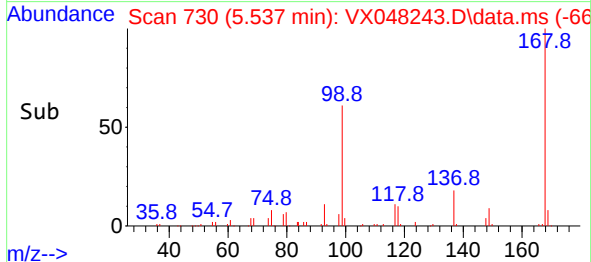
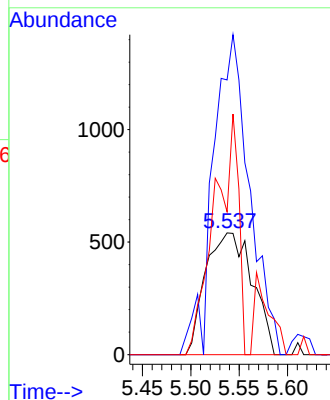
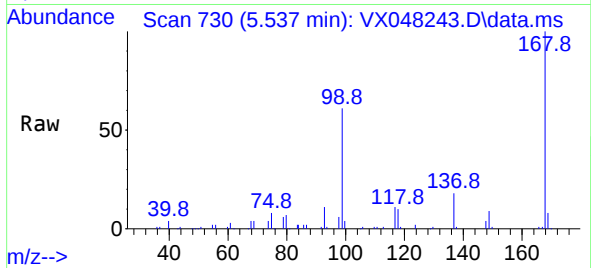




#31
Cyclohexane
Concen: 1.019 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

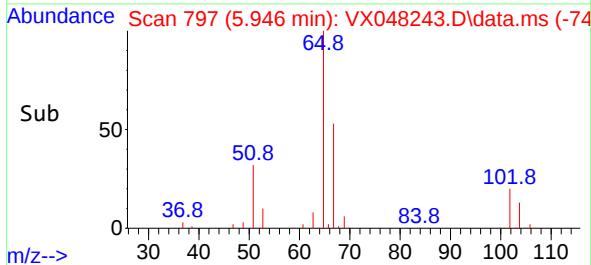
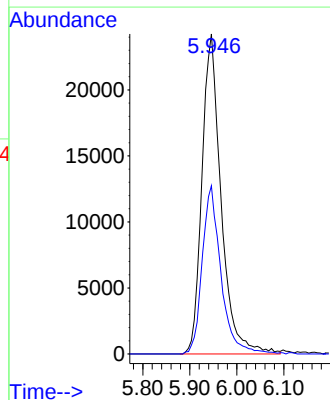
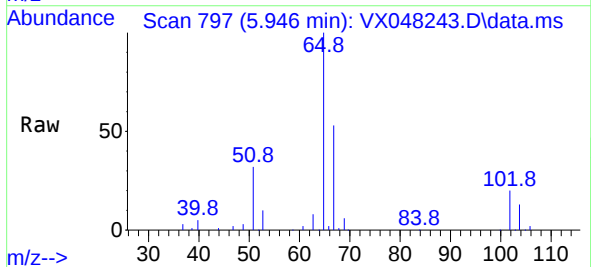
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251010

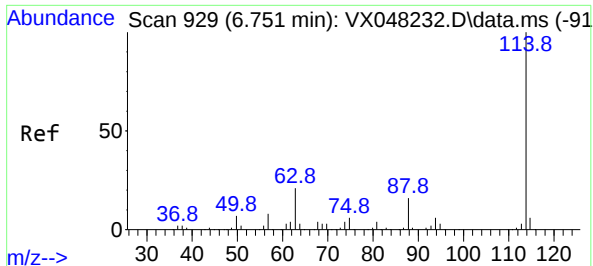
Tgt Ion: 56 Resp: 1824
Ion Ratio Lower Upper
56 100
69 225.7 23.0 34.6#
84 117.4 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 47.593 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Tgt Ion: 65 Resp: 68622
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.0

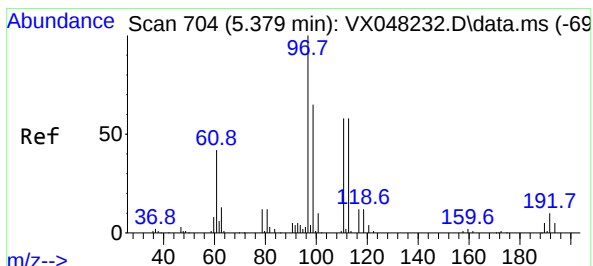
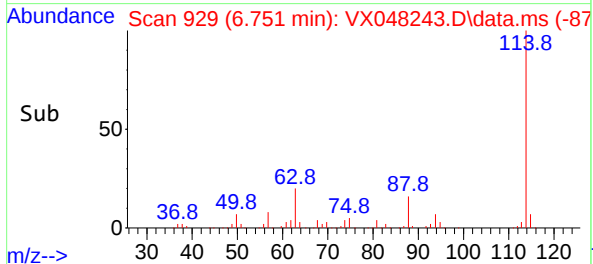
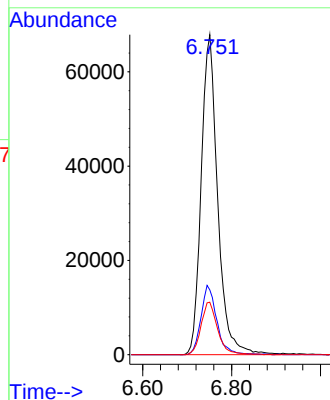
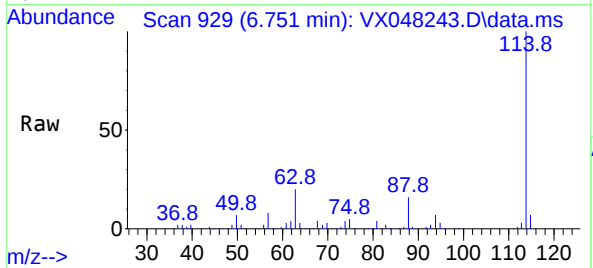




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

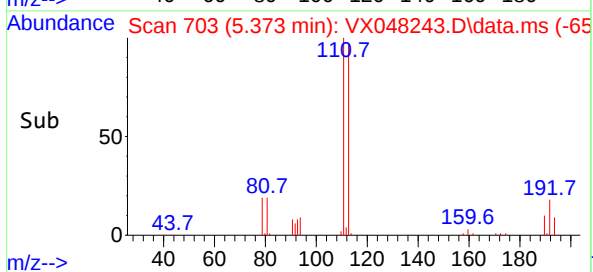
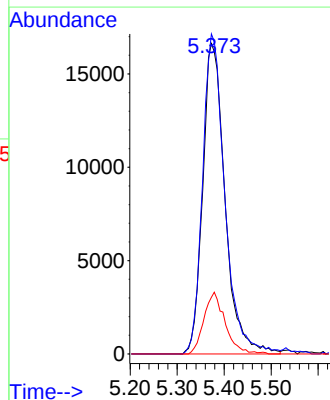
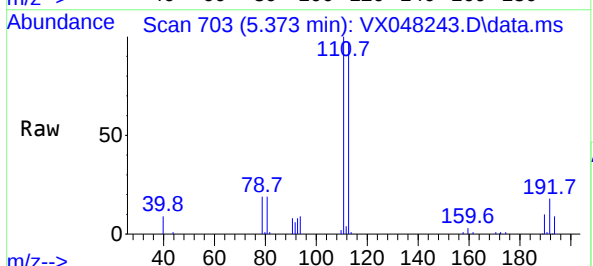
Instrument :
MSVOA_X
ClientSampleId :
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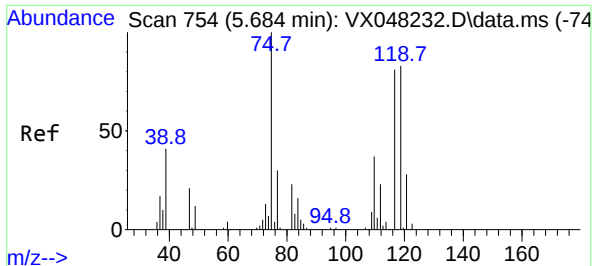
Tgt Ion:114 Resp: 175007
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.2
88 16.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 45.910 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Tgt Ion:113 Resp: 54851
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 19.0 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.684 ug/l

RT: 5.537 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX048243.D

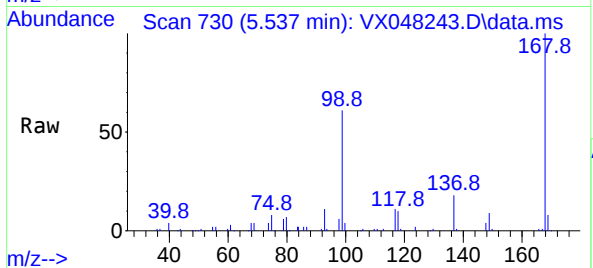
Acq: 20 Oct 2025 16:59

Instrument :

MSVOA_X

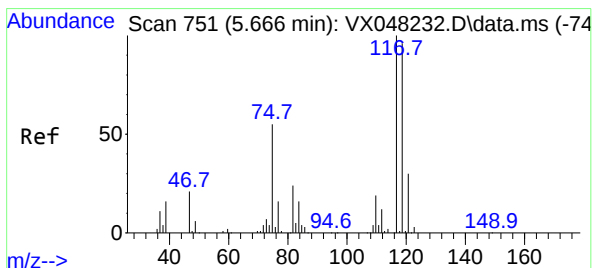
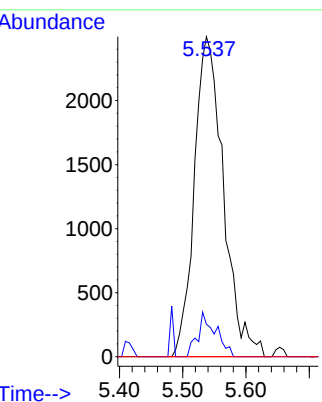
ClientSampleId :

BP-VPB-184-TB-20251010



Tgt Ion: 75 Resp: 7954

Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.7	53.1#
77	0.0	24.3	36.5#



#38

Carbon Tetrachloride

Concen: 5.140 ug/l

RT: 5.544 min Scan# 731

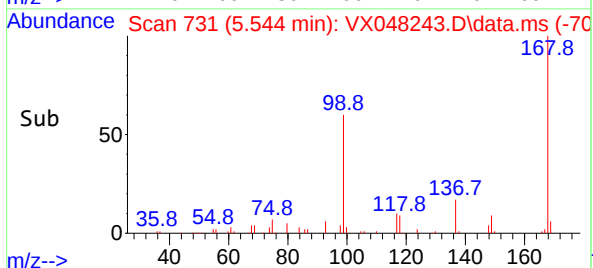
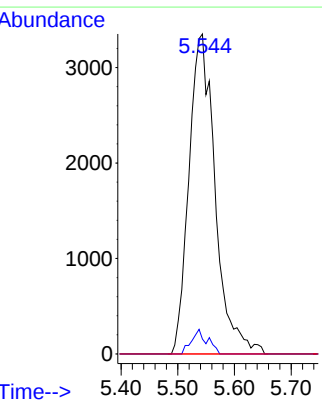
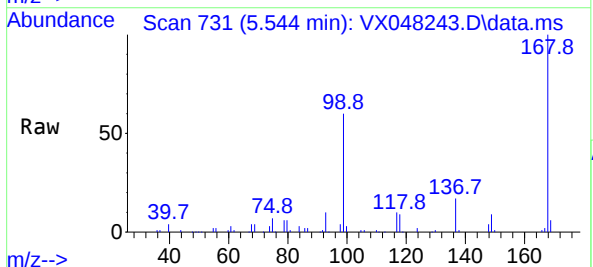
Delta R.T. -0.122 min

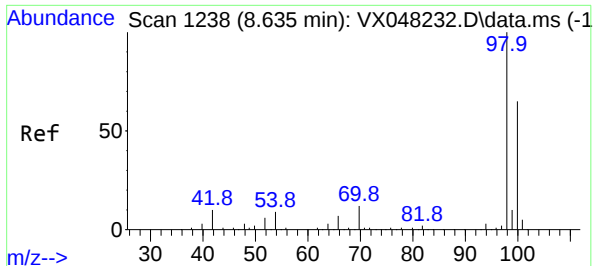
Lab File: VX048243.D

Acq: 20 Oct 2025 16:59

Tgt Ion: 117 Resp: 10769

Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.2	115.8#
121	0.0	24.8	37.2#

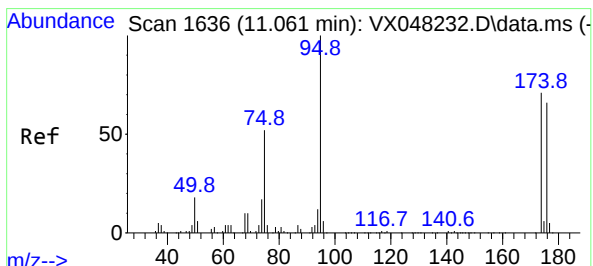
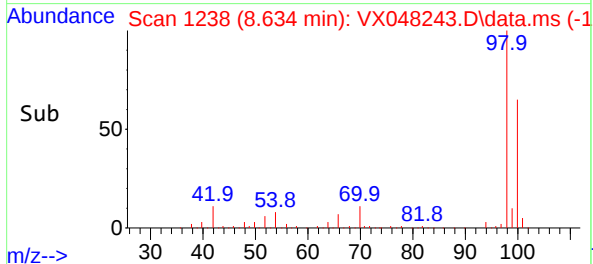
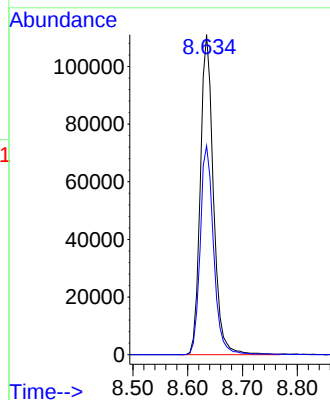
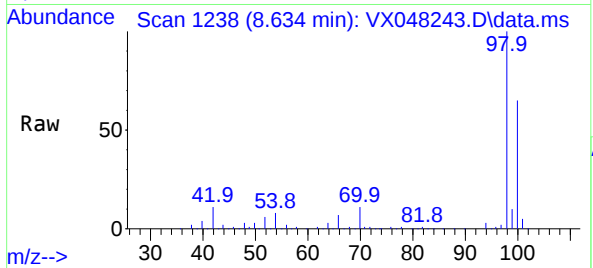




#50
Toluene-d8
Concen: 44.104 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

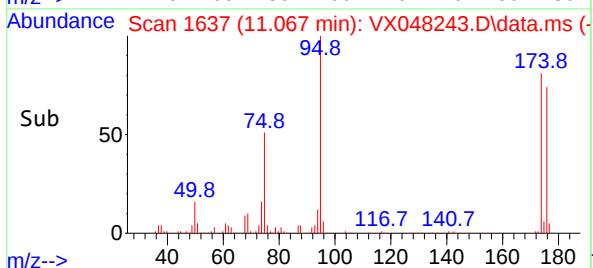
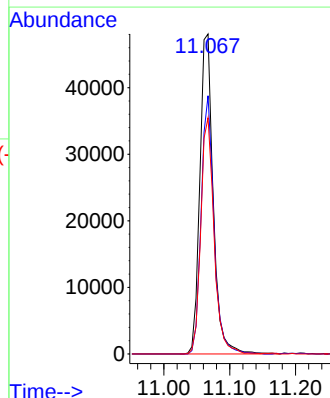
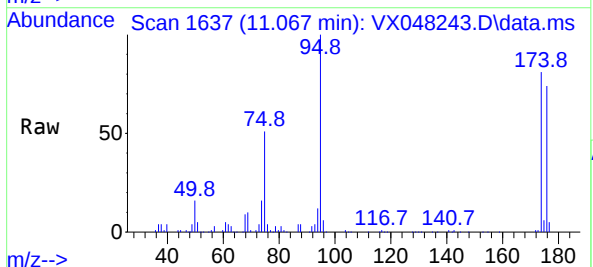
Instrument :
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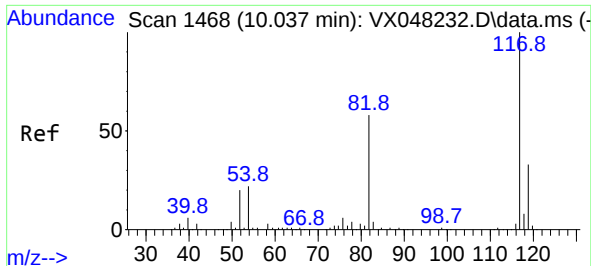
Tgt Ion: 98 Resp: 184696
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.656 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Tgt Ion: 95 Resp: 67957
Ion Ratio Lower Upper
95 100
174 77.4 0.0 147.8
176 73.2 0.0 142.8

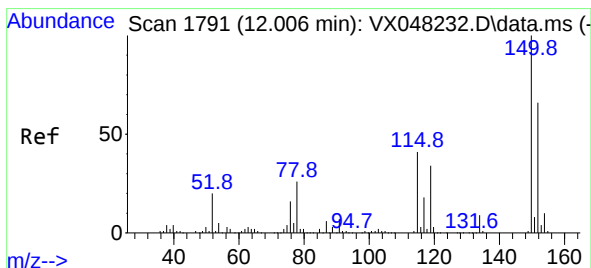
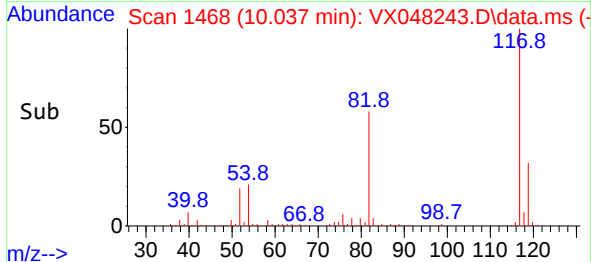
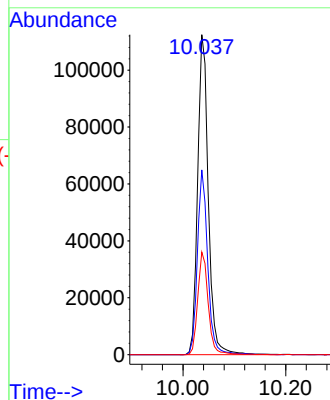
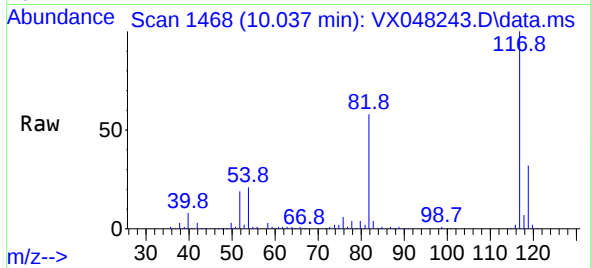




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

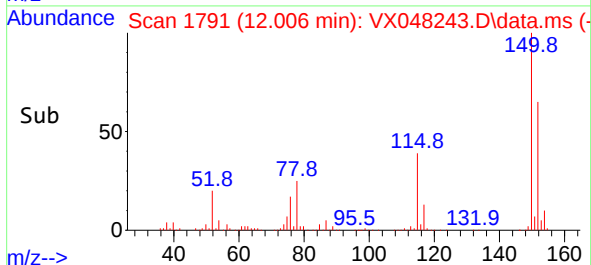
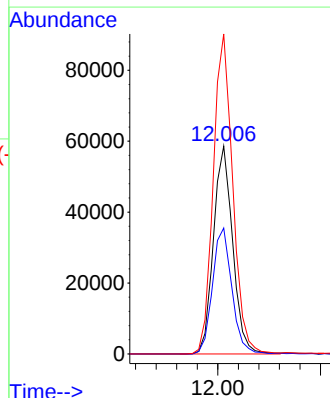
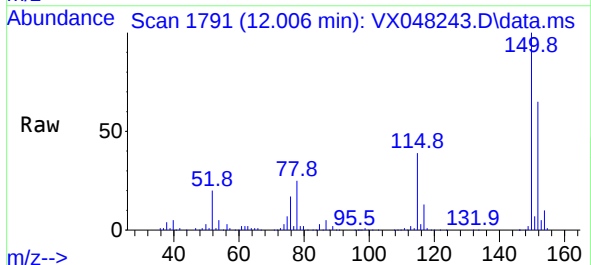
Instrument : MSVOA_X
ClientSampleId : BP-VPB-184-TB-20251010

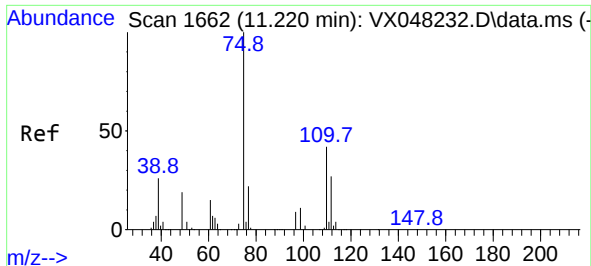
Tgt Ion:117 Resp: 162020
Ion Ratio Lower Upper
117 100
82 57.7 46.5 69.7
119 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Tgt Ion:152 Resp: 76063
Ion Ratio Lower Upper
152 100
115 61.3 43.1 129.4
150 156.0 0.0 353.0

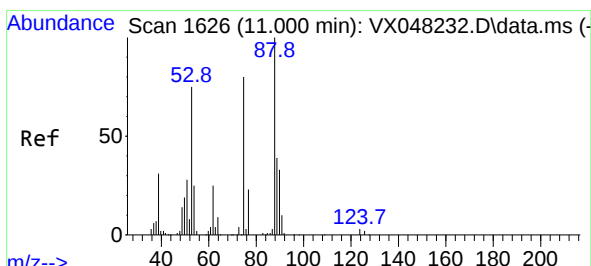
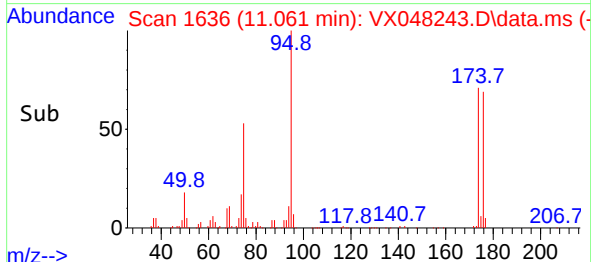
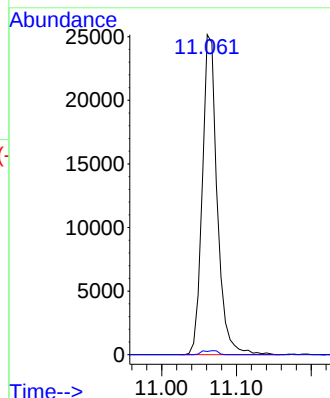
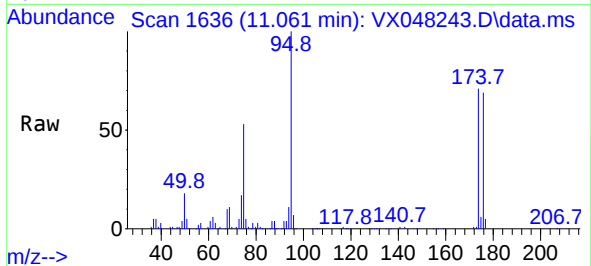




#76
1,2,3-Trichloropropane
Concen: 28.232 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

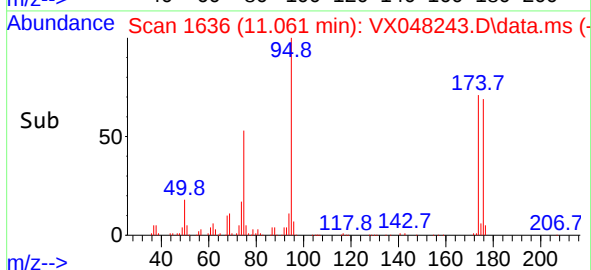
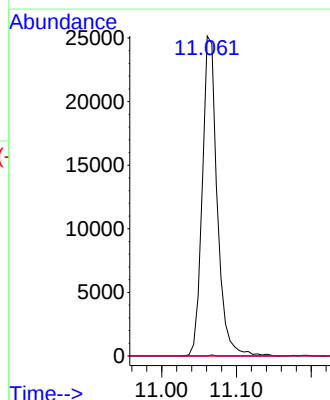
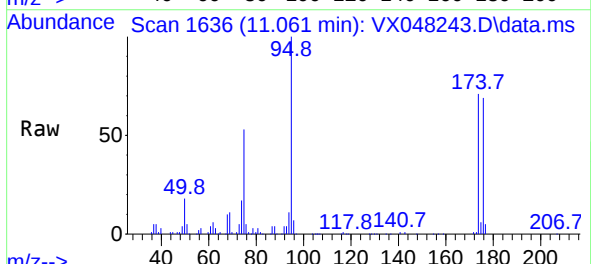
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251010

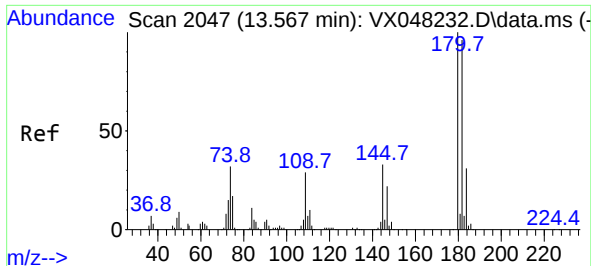
Tgt Ion: 75 Resp: 34824
Ion Ratio Lower Upper
75 100
77 1.3 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.687 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Tgt Ion: 75 Resp: 34824
Ion Ratio Lower Upper
75 100
53 0.1 79.5 119.3#
89 0.0 36.8 55.2#

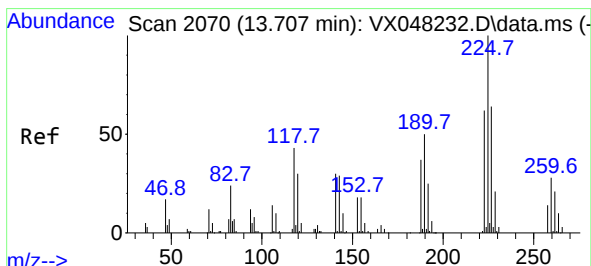
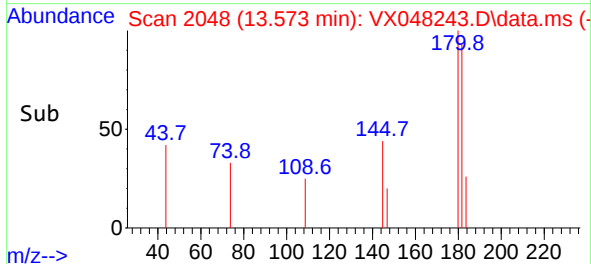
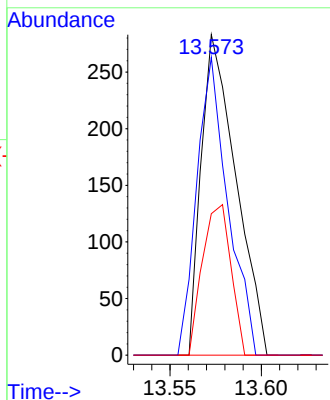
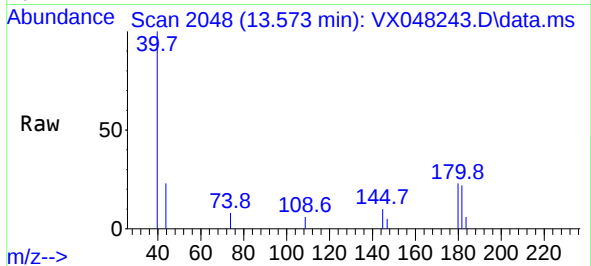




#93
1,2,4-Trichlorobenzene
Concen: 0.224 ug/l
RT: 13.573 min Scan# 2048
Delta R.T. 0.006 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251010

Tgt Ion:180 Resp: 374
Ion Ratio Lower Upper
180 100
182 82.9 47.3 142.0
145 38.5 16.3 48.9



#94
Hexachlorobutadiene
Concen: 0.677 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Tgt Ion:225 Resp: 382
Ion Ratio Lower Upper
225 100
223 49.2 32.6 97.7
227 67.3 32.5 97.4

