

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048245.D
 Acq On : 20 Oct 2025 17:41
 Operator : JC/MD
 Sample : Q3371-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-915-917

Quant Time: Oct 25 03:41:37 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)

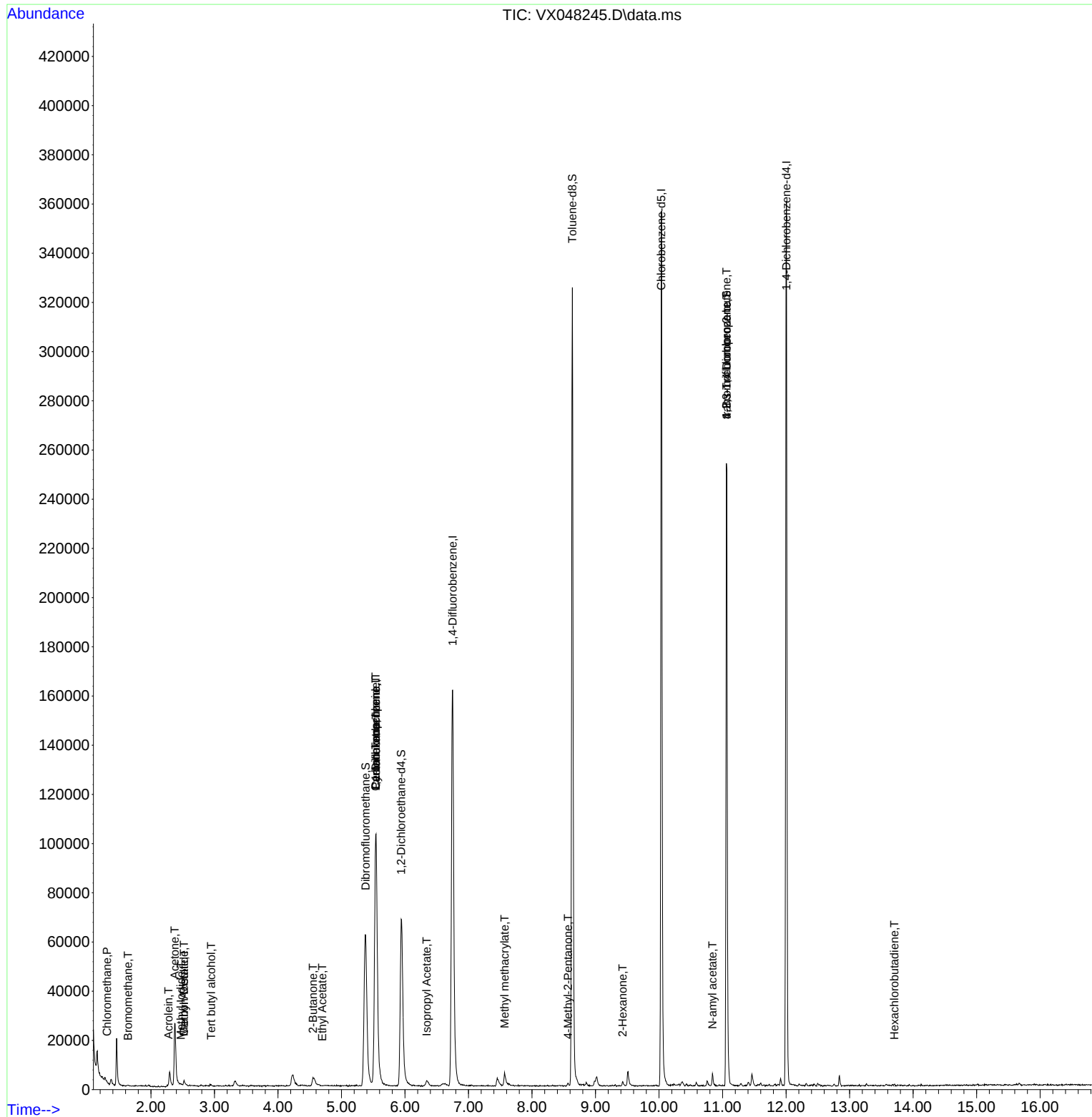
Internal Standards						
1) Pentafluorobenzene	5.544	168	107423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	183824	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	169870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	81048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	76776	50.975	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.960%			
35) Dibromofluoromethane	5.379	113	60761	48.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.840%			
50) Toluene-d8	8.635	98	207133	47.089	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.180%			
62) 4-Bromofluorobenzene	11.061	95	75303	45.000	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.000%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	266	0.258	ug/l	93
5) Bromomethane	1.636	94	170	0.262	ug/l #	51
10) Methyl Iodide	2.471	142	475	0.326	ug/l #	90
11) Tert butyl alcohol	2.947	59	150	1.003	ug/l #	72
13) Acrolein	2.276	56	53	0.348	ug/l #	15
16) Acetone	2.373	43	33048	63.960	ug/l	98
17) Carbon Disulfide	2.520	76	1264	0.356	ug/l	97
18) Methyl Acetate	2.520	43	665	0.616	ug/l #	54
25) 2-Butanone	4.550	43	8182	12.511	ug/l	98
31) Cyclohexane	5.544	56	2016	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	8433	4.728	ug/l #	51
37) Ethyl Acetate	4.696	43	471	0.319	ug/l #	70
38) Carbon Tetrachloride	5.538	117	11437	5.197	ug/l #	15
43) Isopropyl Acetate	6.342	43	1191	0.490	ug/l #	63
48) Methyl methacrylate	7.568	41	1840	1.501	ug/l #	46
51) 4-Methyl-2-Pentanone	8.568	43	778	0.556	ug/l #	87
59) 2-Hexanone	9.427	43	1409	1.443	ug/l	87
74) N-amyl acetate	10.841	43	708	0.337	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	38767	29.496	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.061	75	38767	71.761	ug/l #	10
94) Hexachlorobutadiene	13.707	225	188	0.349	ug/l #	71

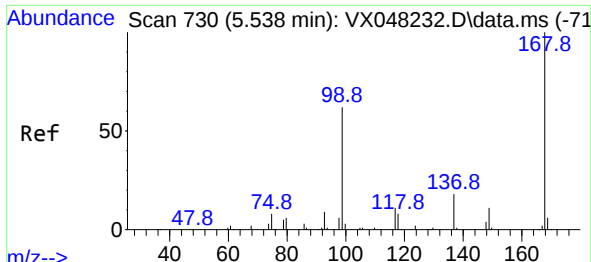
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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BP-VPB-184-GW-915-917

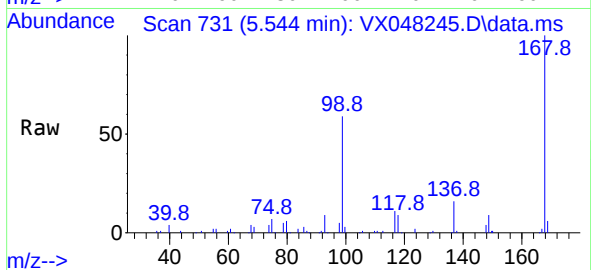
Quant Time: Oct 25 03:41:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
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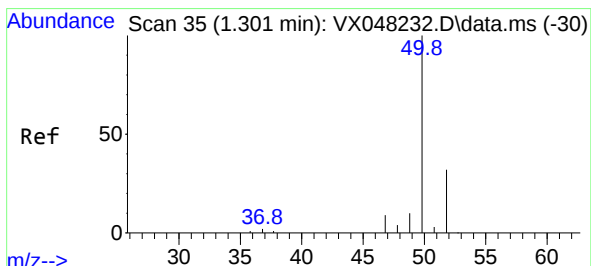
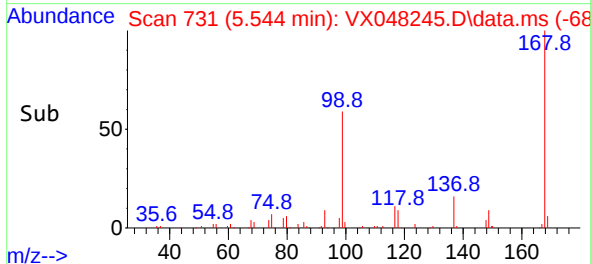
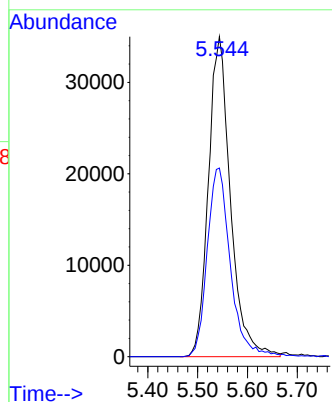


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-915-917

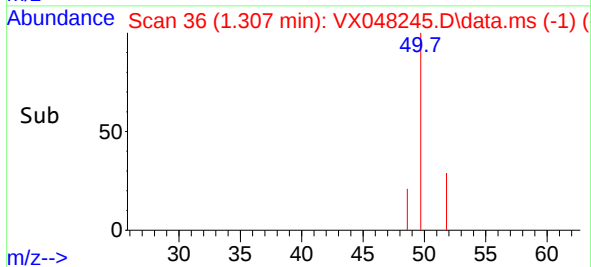
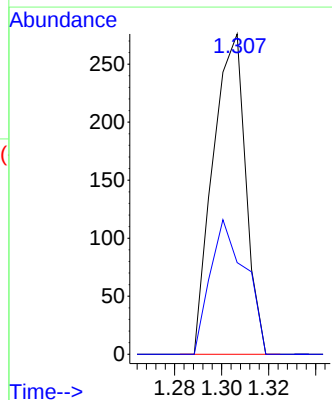
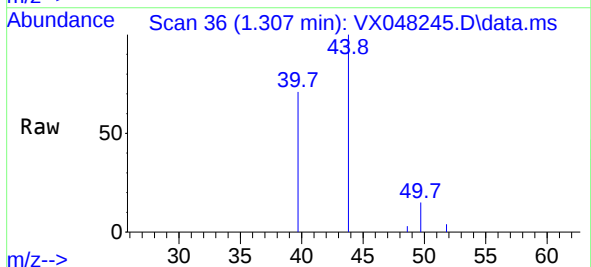


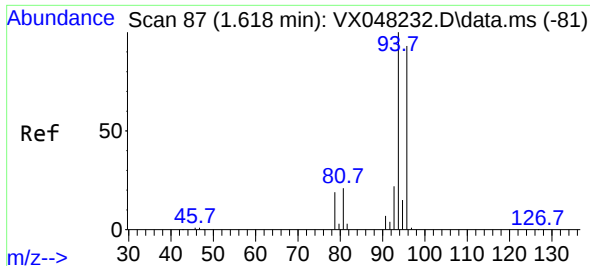
Tgt Ion:168 Resp: 107423
Ion Ratio Lower Upper
168 100
99 59.0 46.4 69.6



#3
Chloromethane
Concen: 0.258 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion: 50 Resp: 266
Ion Ratio Lower Upper
50 100
52 28.6 25.9 38.9

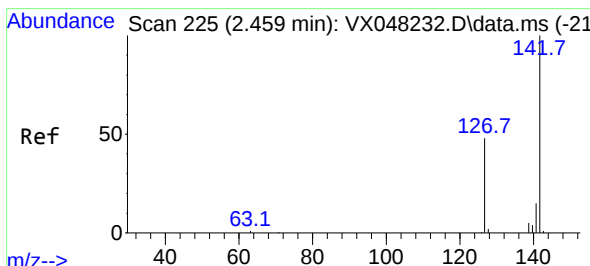
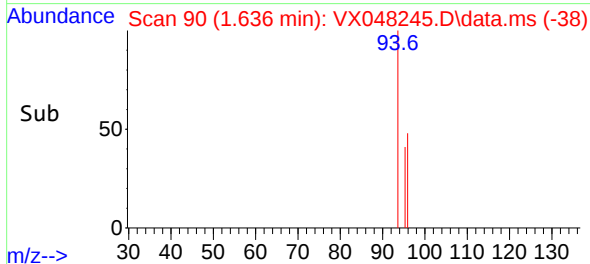
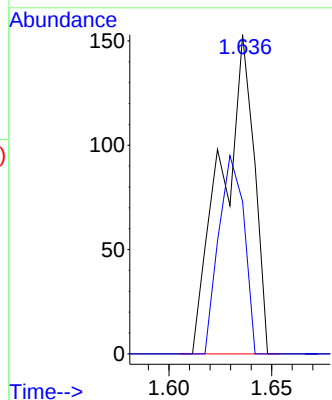
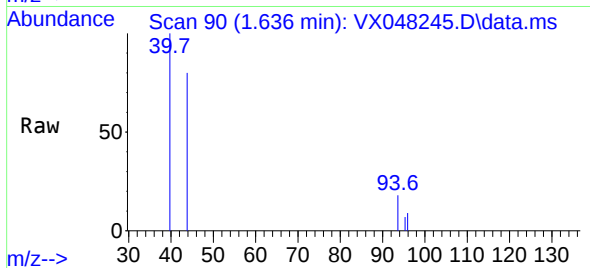




#5
Bromomethane
Concen: 0.262 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.018 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

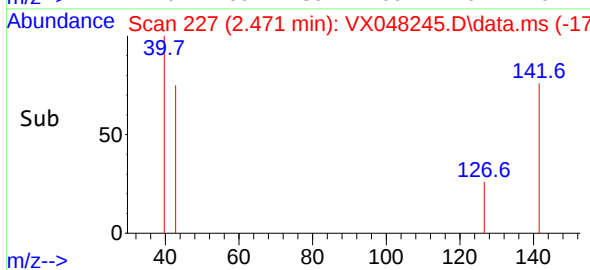
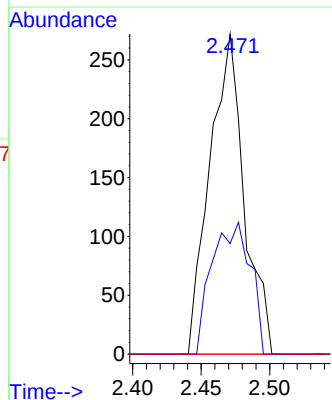
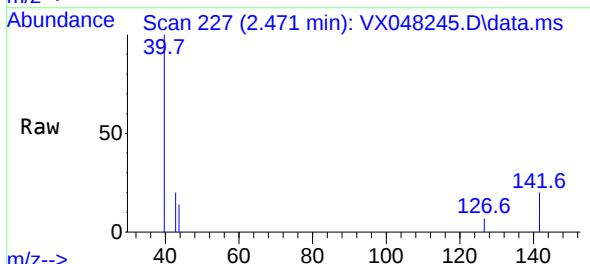
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-915-917

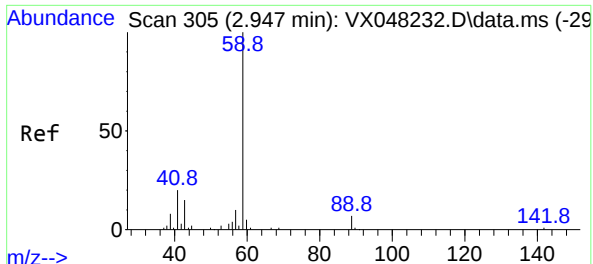
Tgt Ion: 94 Resp: 170
Ion Ratio Lower Upper
94 100
96 47.7 76.0 114.0#



#10
Methyl Iodide
Concen: 0.326 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.012 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion: 142 Resp: 475
Ion Ratio Lower Upper
142 100
127 46.1 38.5 57.7
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 1.003 ug/l

RT: 2.947 min Scan# 305

Delta R.T. 0.006 min

Lab File: VX048245.D

Acq: 20 Oct 2025 17:41

Instrument :

MSVOA_X

ClientSampleId :

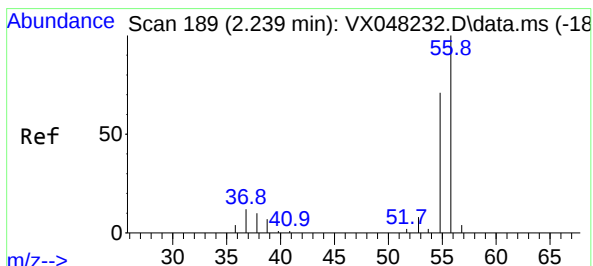
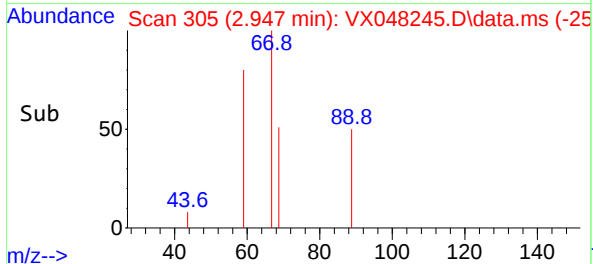
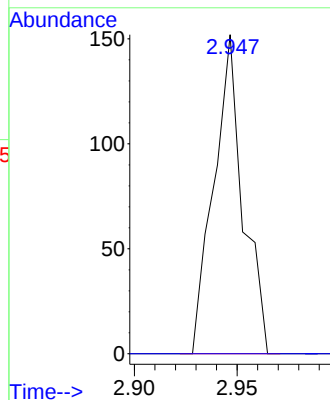
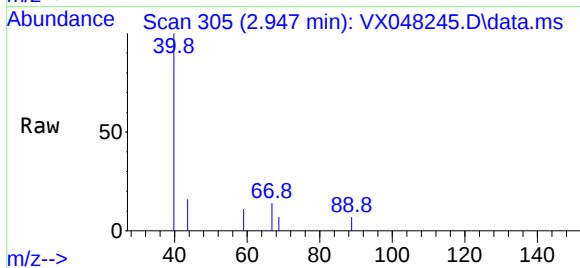
BP-VPB-184-GW-915-917

Tgt Ion: 59 Resp: 150

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 0.348 ug/l

RT: 2.276 min Scan# 195

Delta R.T. 0.043 min

Lab File: VX048245.D

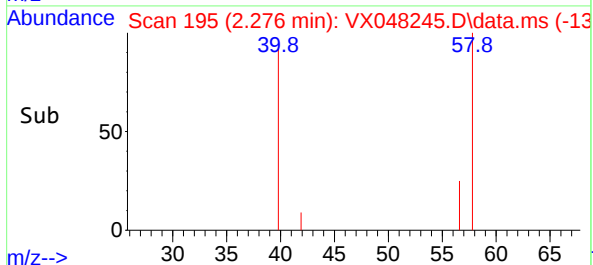
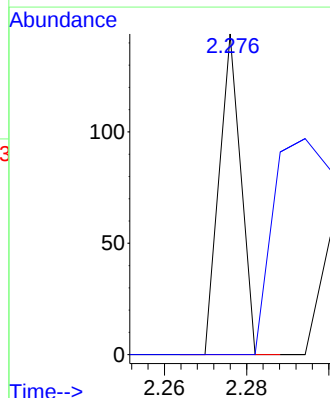
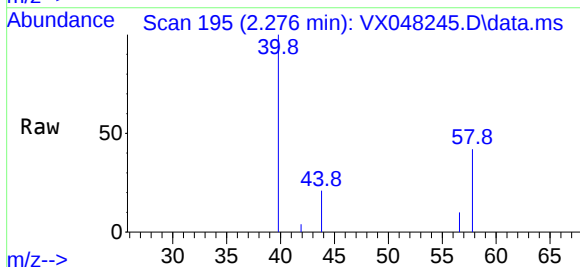
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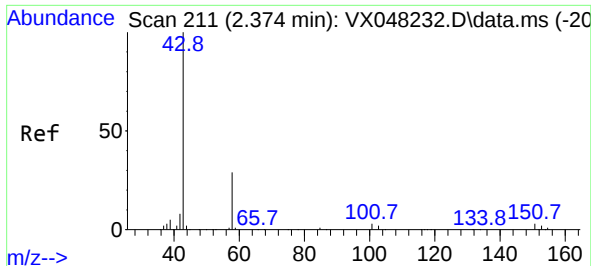
Tgt Ion: 56 Resp: 53

Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#

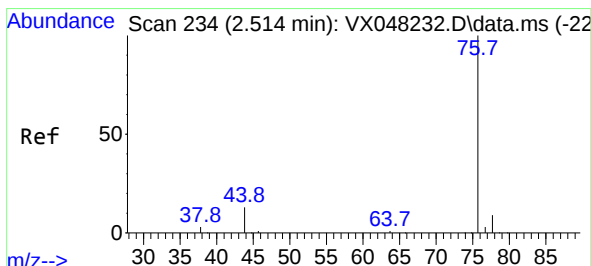
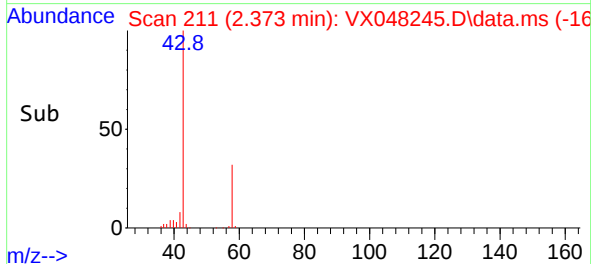
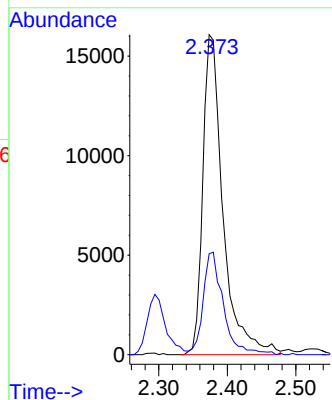
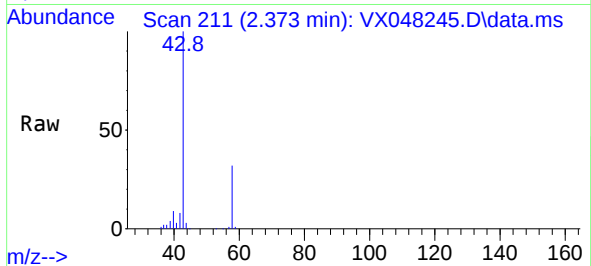




#16
Acetone
Concen: 63.960 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

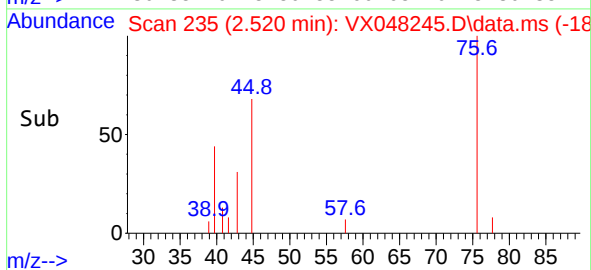
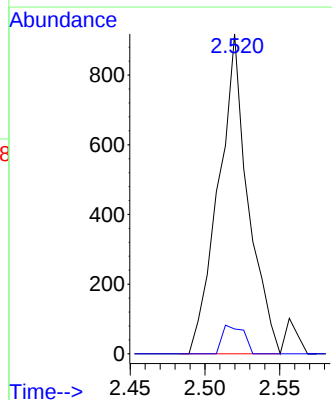
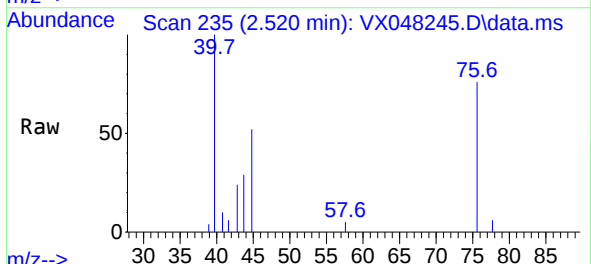
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-915-917

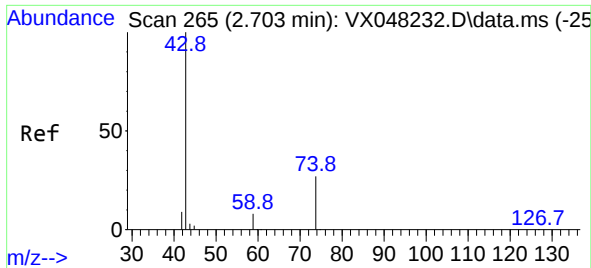
Tgt Ion: 43 Resp: 33048
Ion Ratio Lower Upper
43 100
58 30.4 23.4 35.2



#17
Carbon Disulfide
Concen: 0.356 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion: 76 Resp: 1264
Ion Ratio Lower Upper
76 100
78 7.7 7.1 10.7





#18

Methyl Acetate

Concen: 0.616 ug/l

RT: 2.520 min Scan# 21

Delta R.T. -0.177 min

Lab File: VX048245.D

Acq: 20 Oct 2025 17:41

Instrument :

MSVOA_X

ClientSampleId :

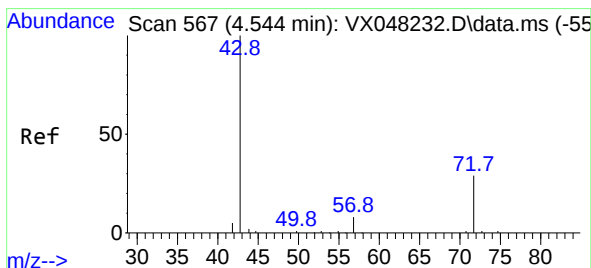
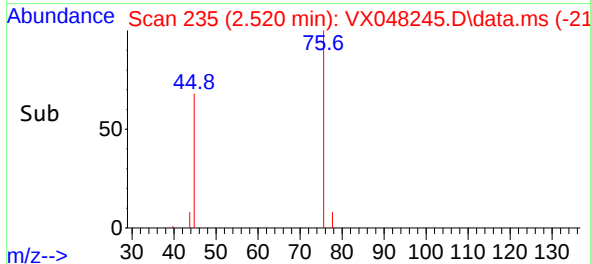
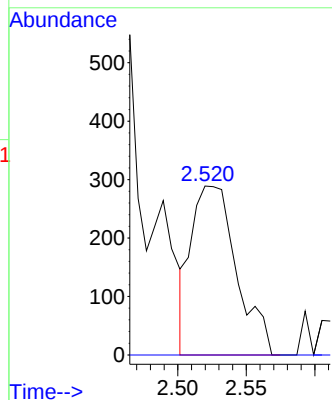
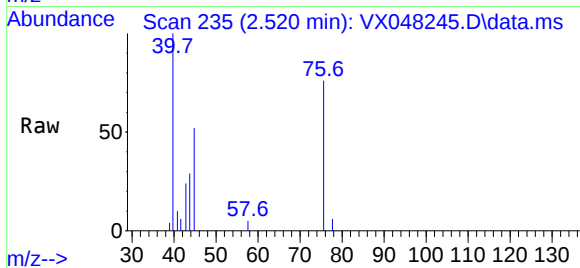
BP-VPB-184-GW-915-917

Tgt Ion: 43 Resp: 665

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#



#25

2-Butanone

Concen: 12.511 ug/l

RT: 4.550 min Scan# 568

Delta R.T. 0.012 min

Lab File: VX048245.D

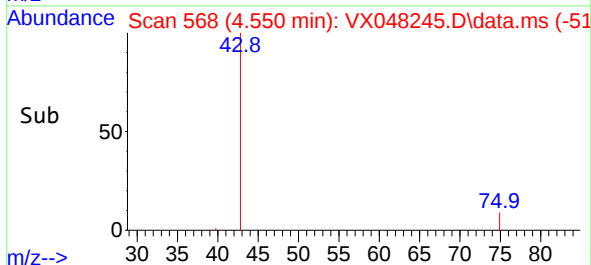
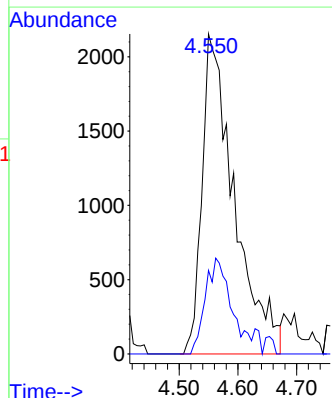
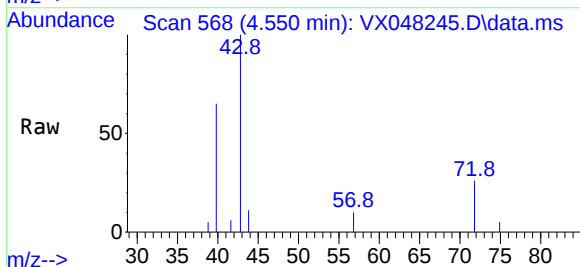
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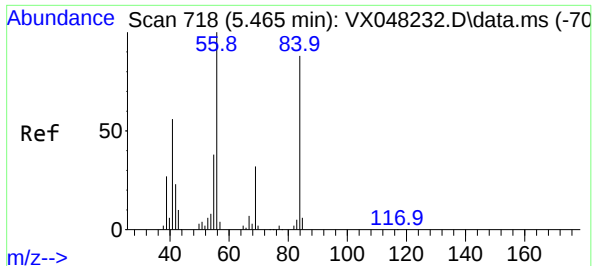
Tgt Ion: 43 Resp: 8182

Ion Ratio Lower Upper

43 100

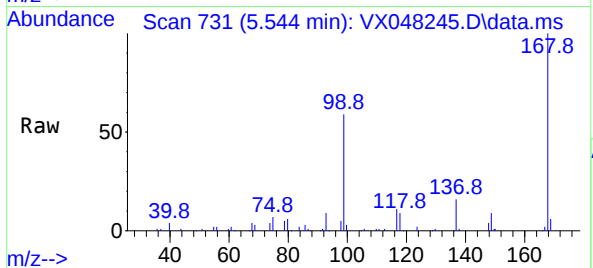
72 26.1 19.9 29.9



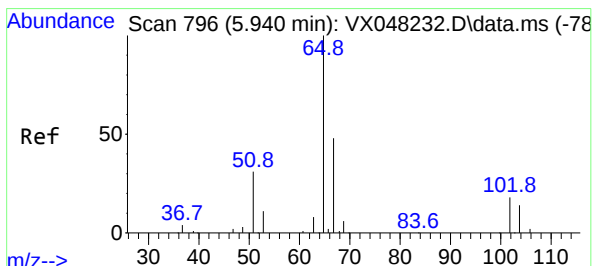
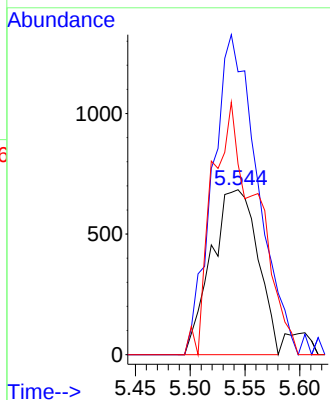
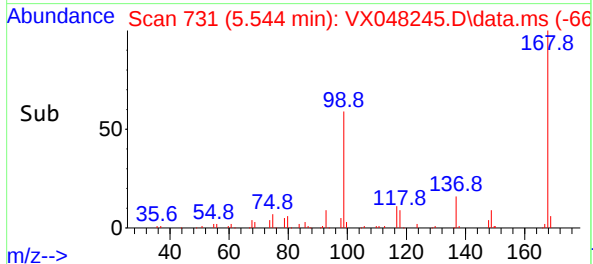


#31
Cyclohexane
Concen: 1.078 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-915-917

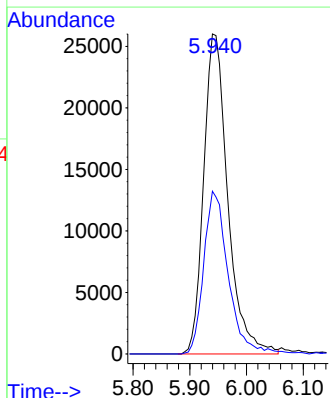
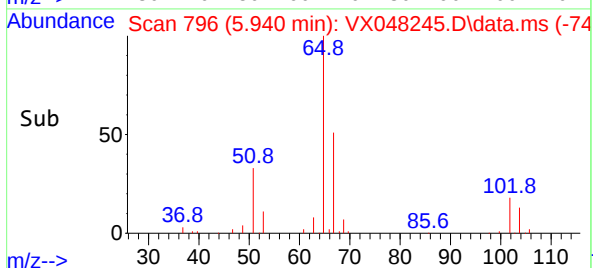
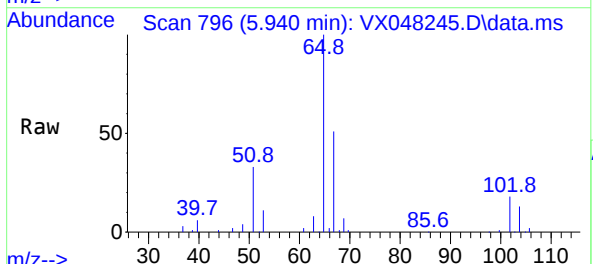


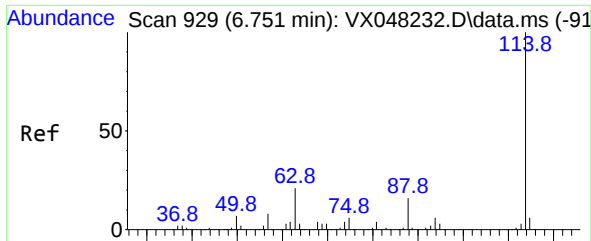
Tgt Ion: 56 Resp: 2016
Ion Ratio Lower Upper
56 100
69 171.5 23.0 34.6#
84 115.6 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 50.975 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

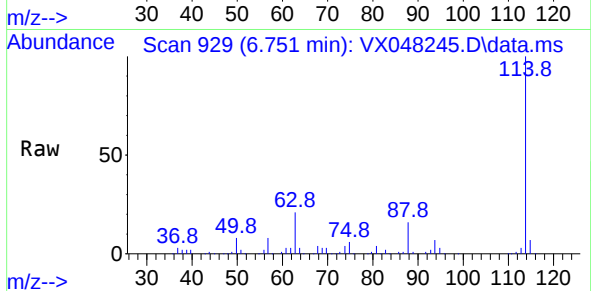
Tgt Ion: 65 Resp: 76776
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.0



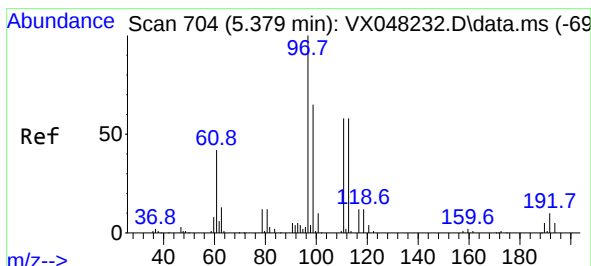
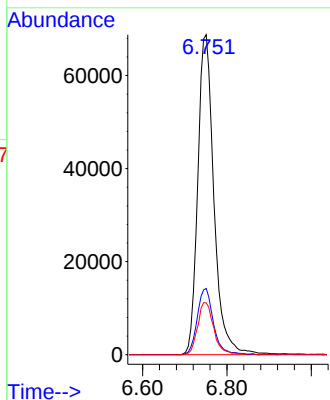
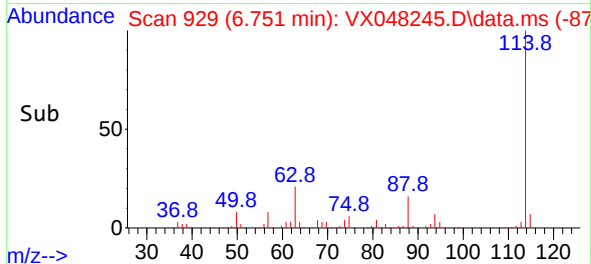


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-915-917

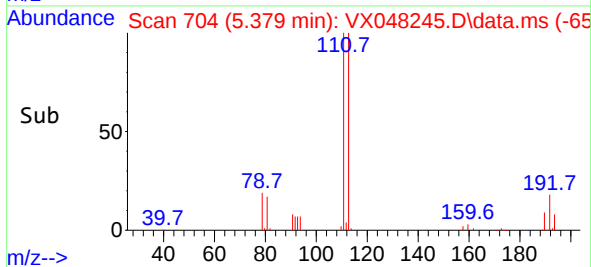
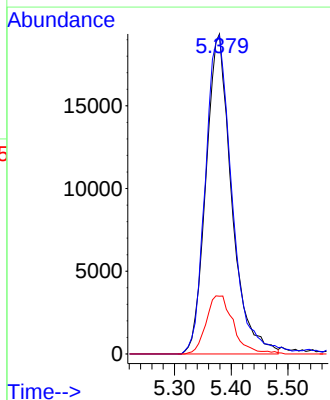
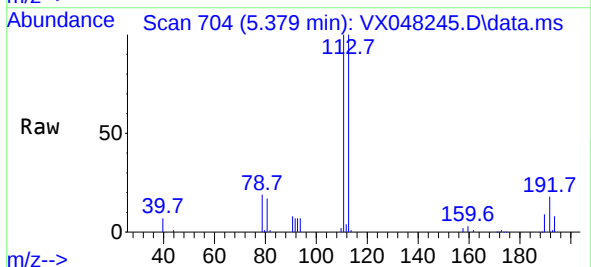


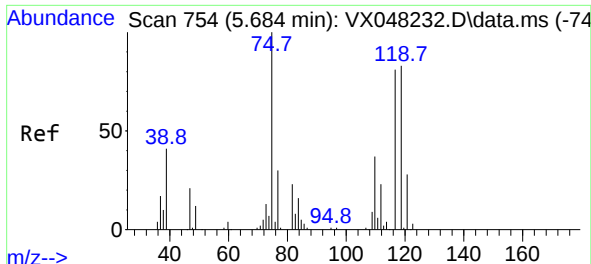
Tgt Ion:114 Resp: 183824
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.2
88 16.2 0.0 33.6



#35
Dibromofluoromethane
Concen: 48.417 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

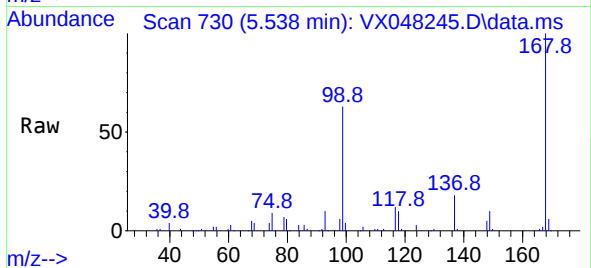
Tgt Ion:113 Resp: 60761
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.4
192 19.4 15.1 22.7



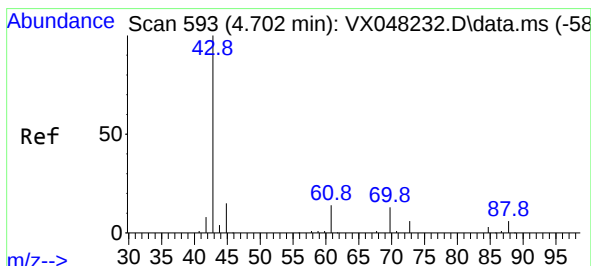
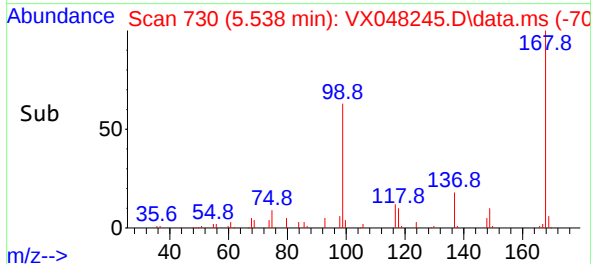
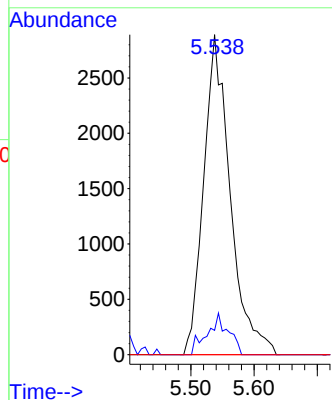


#36
1,1-Dichloropropene
Concen: 4.728 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-915-917

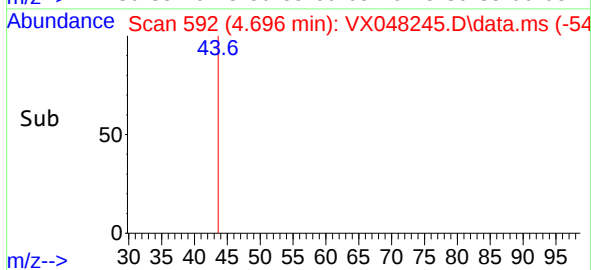
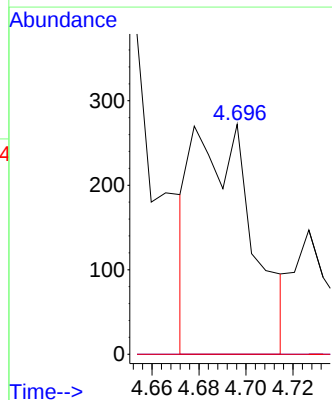
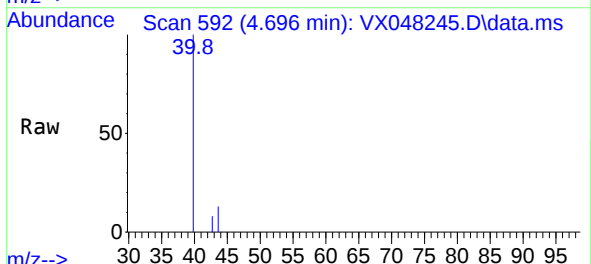


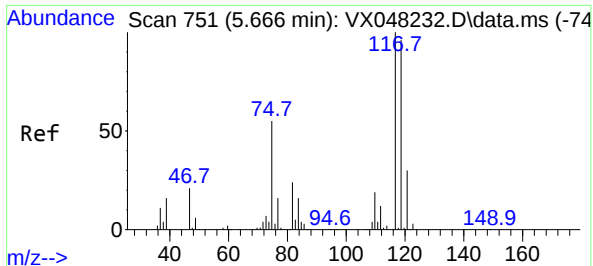
Tgt Ion: 75 Resp: 8433
Ion Ratio Lower Upper
75 100
110 10.2 17.7 53.1#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.319 ug/l
RT: 4.696 min Scan# 592
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

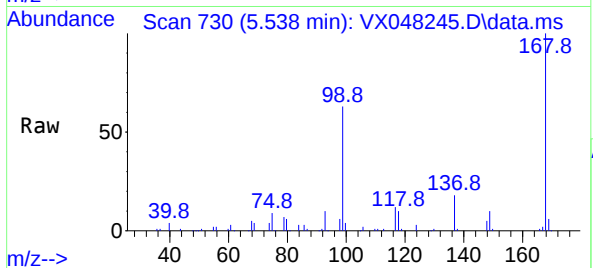
Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.8 11.6#



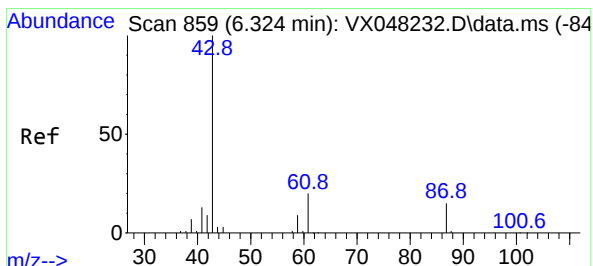
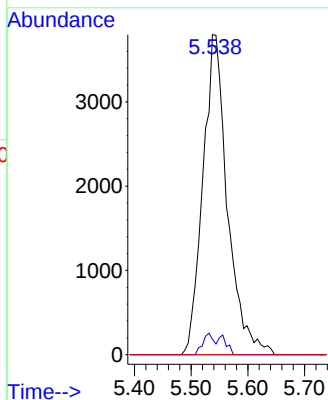
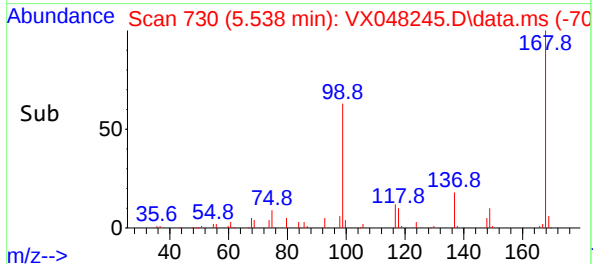


#38
Carbon Tetrachloride
Concen: 5.197 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-915-917

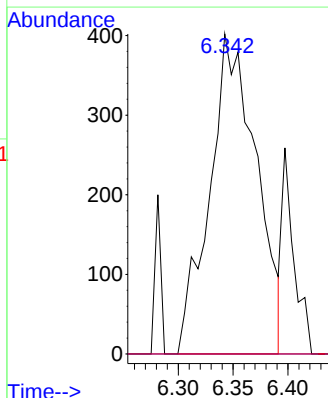
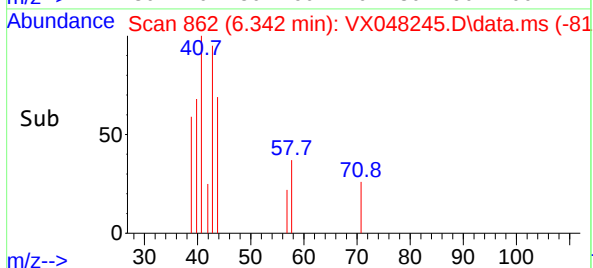
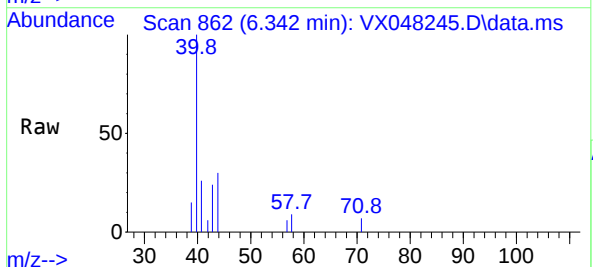


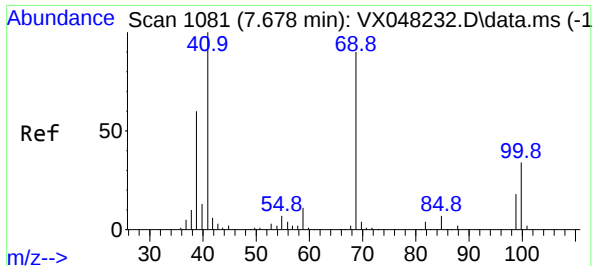
Tgt Ion:117 Resp: 11437
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 0.490 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.018 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion: 43 Resp: 1191
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 9.4 14.2#

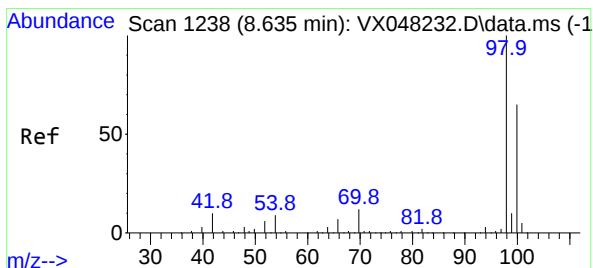
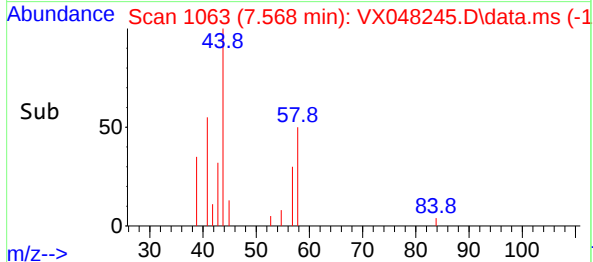
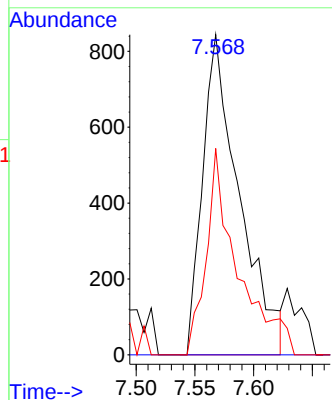
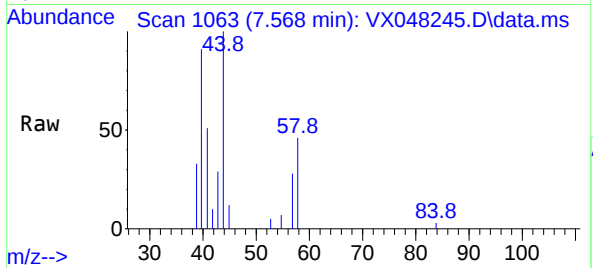




#48
Methyl methacrylate
Concen: 1.501 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.110 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

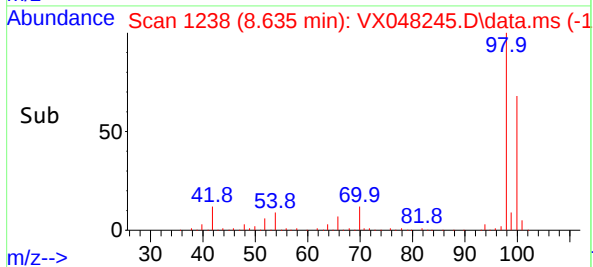
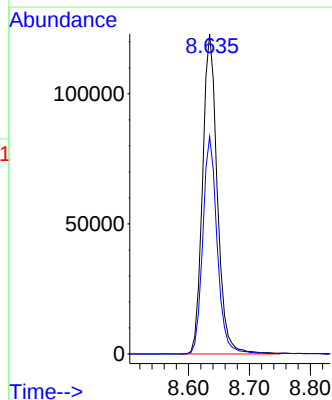
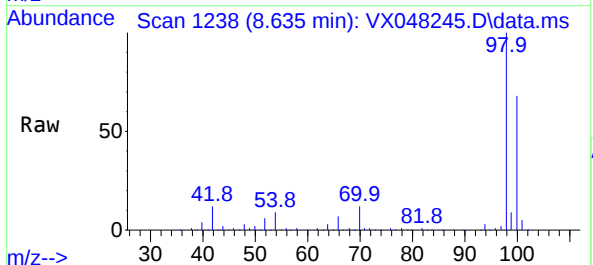
Instrument : MSVOA_X
ClientSampleId : BP-VPB-184-GW-915-917

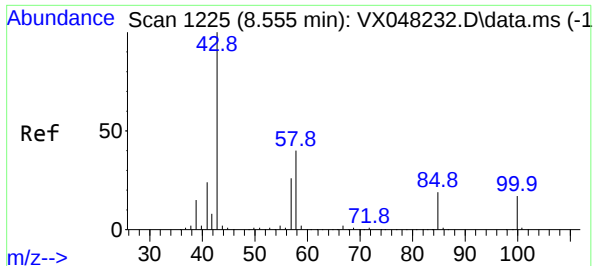
Tgt Ion: 41 Resp: 1840
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 54.9 47.1 70.7



#50
Toluene-d8
Concen: 47.089 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion: 98 Resp: 207133
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4

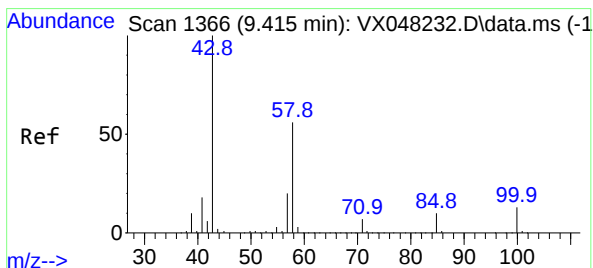
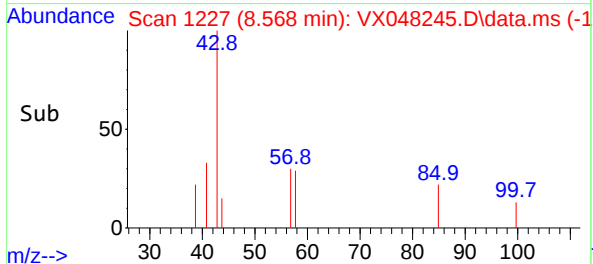
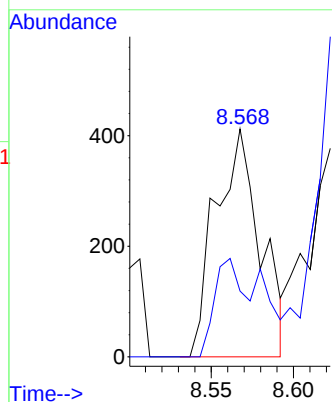
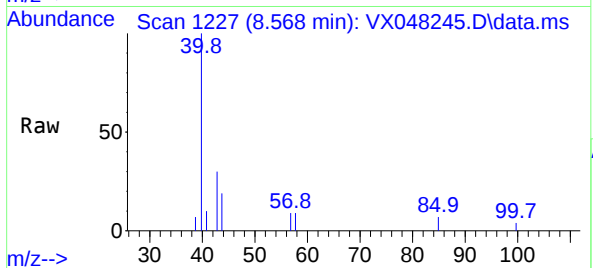




#51
4-Methyl-2-Pentanone
Concen: 0.556 ug/l
RT: 8.568 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

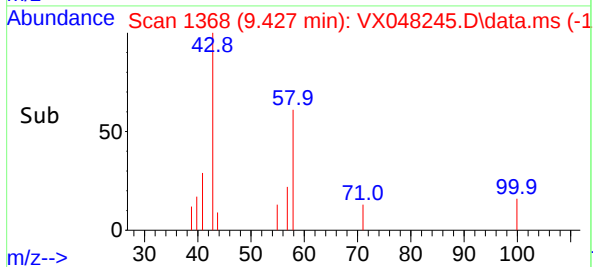
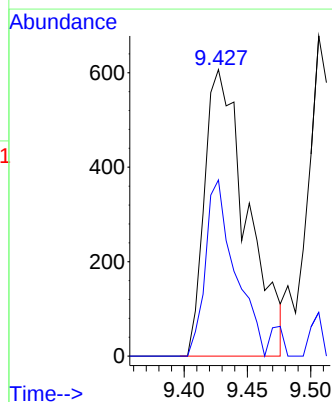
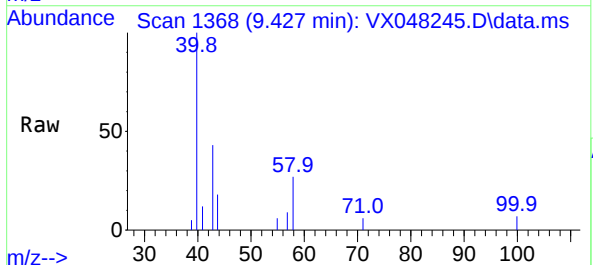
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-915-917

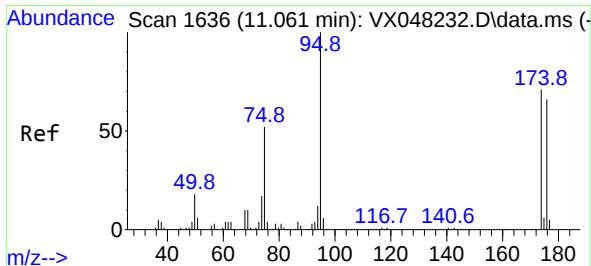
Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
58 29.3 29.5 44.3#



#59
2-Hexanone
Concen: 1.443 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.012 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion: 43 Resp: 1409
Ion Ratio Lower Upper
43 100
58 43.0 26.3 78.8

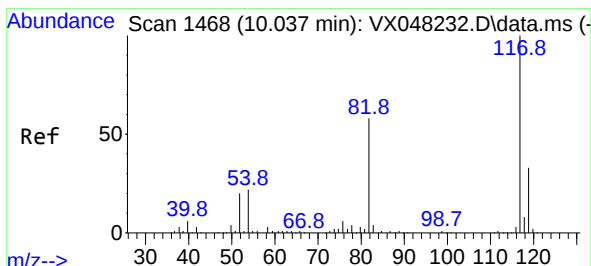
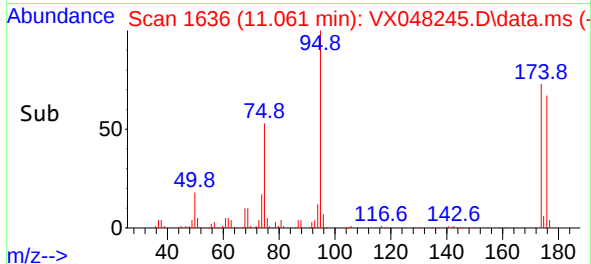
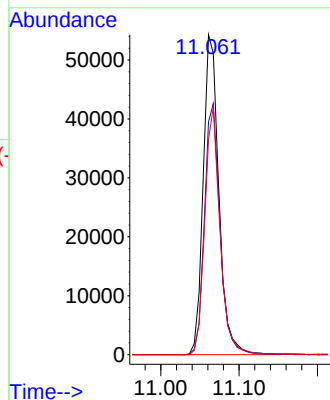
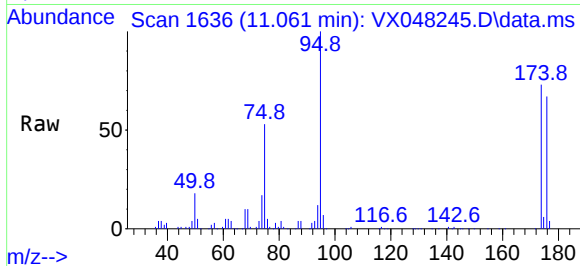




#62
4-Bromofluorobenzene
Concen: 45.000 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

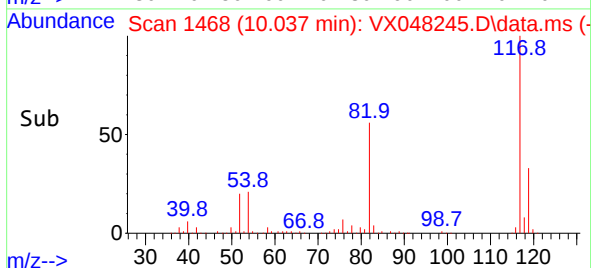
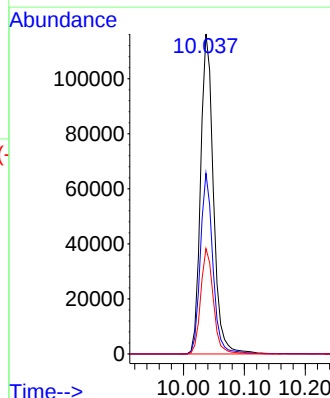
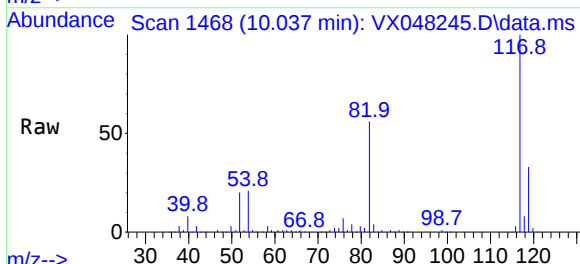
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-915-917

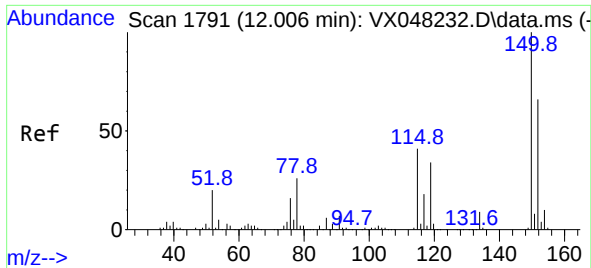
Tgt Ion: 95 Resp: 75303
Ion Ratio Lower Upper
95 100
174 78.4 0.0 147.8
176 75.2 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion: 117 Resp: 169870
Ion Ratio Lower Upper
117 100
82 56.5 46.5 69.7
119 33.0 25.9 38.9

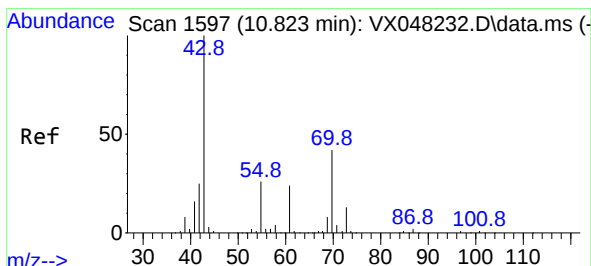
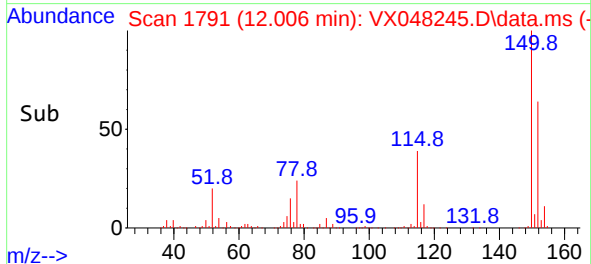
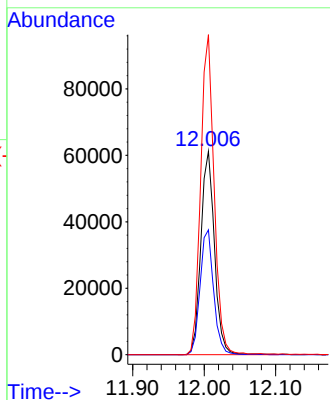
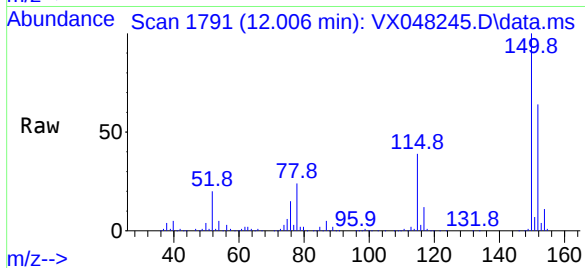




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

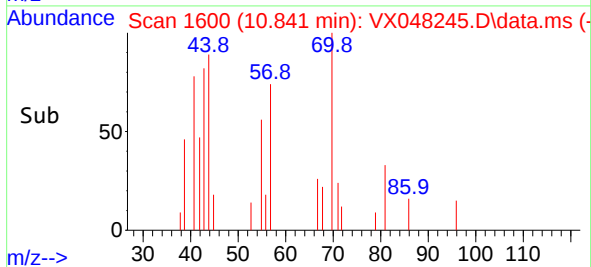
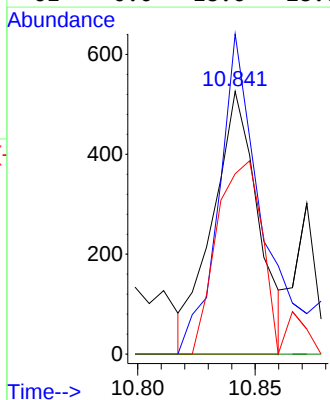
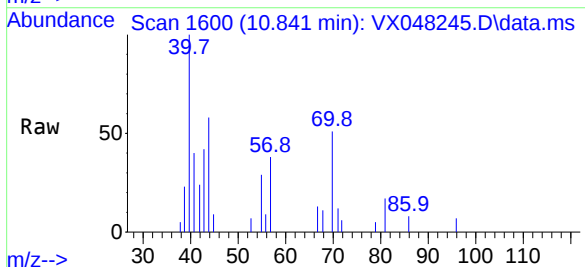
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-915-917

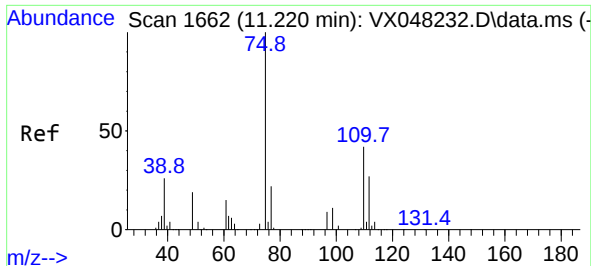
Tgt Ion:152 Resp: 81048
Ion Ratio Lower Upper
152 100
115 60.9 43.1 129.4
150 155.0 0.0 353.0



#74
N-ethyl acetate
Concen: 0.337 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.018 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
70 121.9 32.2 48.2#
55 79.7 19.1 28.7#
61 0.0 18.6 28.0#

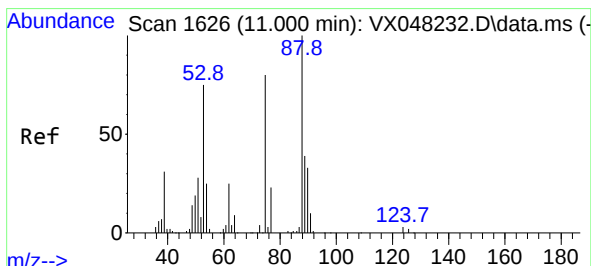
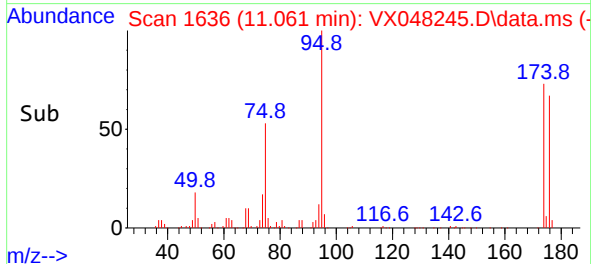
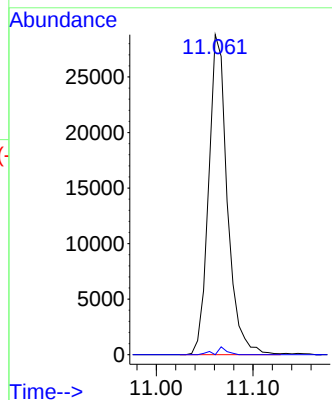
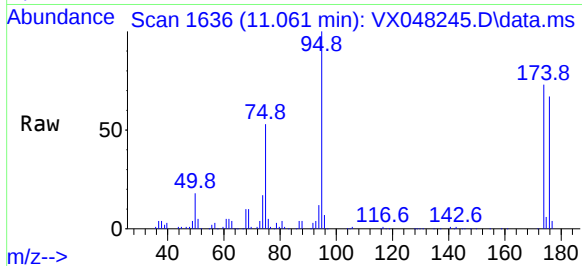




#76
1,2,3-Trichloropropane
Concen: 29.496 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

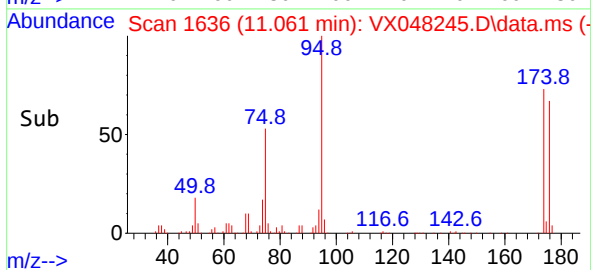
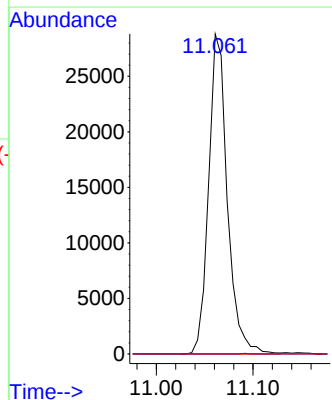
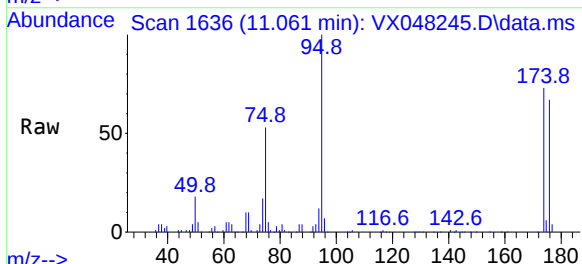
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-915-917

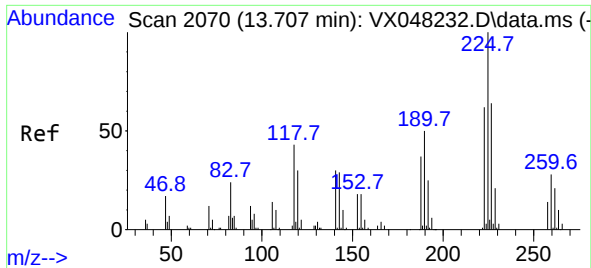
Tgt Ion: 75 Resp: 38767
Ion Ratio Lower Upper
75 100
77 1.4 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.761 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048245.D
Acq: 20 Oct 2025 17:41

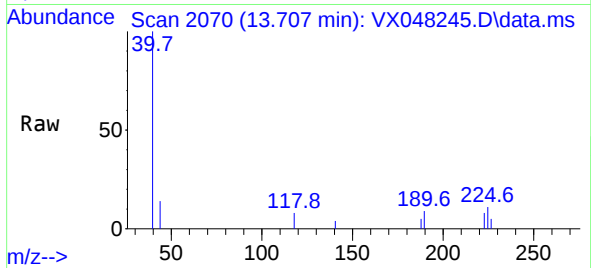
Tgt Ion: 75 Resp: 38767
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#





#94
 Hexachlorobutadiene
 Concen: 0.349 ug/l
 RT: 13.707 min Scan# 2070
 Delta R.T. 0.006 min
 Lab File: VX048245.D
 Acq: 20 Oct 2025 17:41

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-915-917



Tgt Ion:	225	Resp:	188
Ion	Ratio	Lower	Upper
225	100		
223	58.0	32.6	97.7
227	26.6	32.5	97.4#

