

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100523\
 Data File : VX038105.D
 Acq On : 05 Oct 2023 16:54
 Operator : JC/MD
 Sample : 04742-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10A-EB-20230928

Quant Time: Oct 05 17:20:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

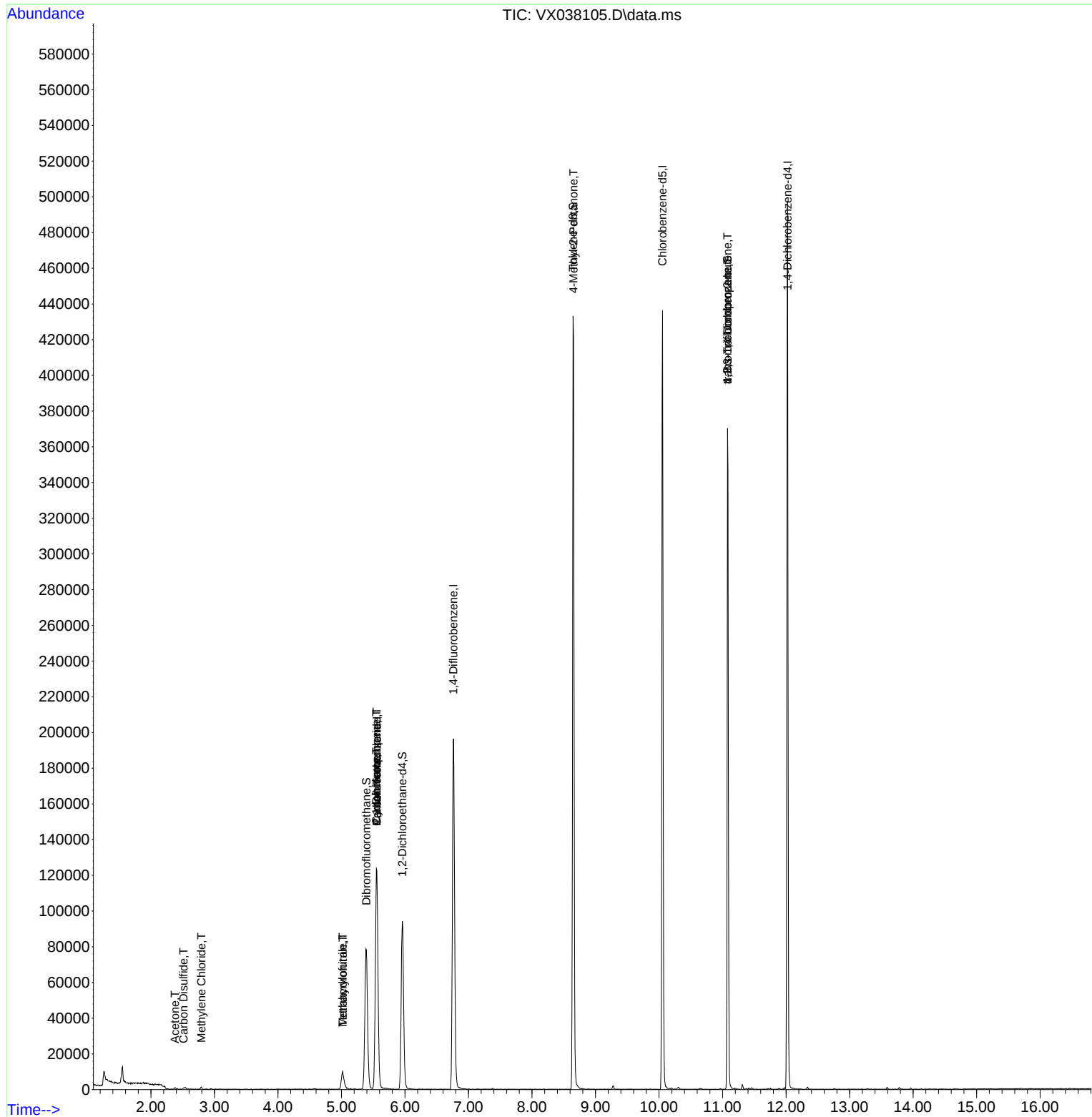
Internal Standards						
1) Pentafluorobenzene	5.556	168	116001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	200616	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90624	48.571	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.140%		
35) Dibromofluoromethane	5.391	113	67658	46.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.600%		
50) Toluene-d8	8.647	98	263977	47.788	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.580%		
62) 4-Bromofluorobenzene	11.079	95	93697	44.742	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.480%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	134	Below Cal	#	3
6) Chloroethane	1.672	64	190	Below Cal	#	43
11) Tert butyl alcohol	2.940	59	95	Below Cal	#	78
16) Acetone	2.380	43	937	1.203	ug/l	93
17) Carbon Disulfide	2.514	76	616	0.201	ug/l	# 76
20) Methylene Chloride	2.794	84	541	0.369	ug/l	# 73
29) Tetrahydrofuran	5.019	42	8728	10.670	ug/l	88
31) Cyclohexane	5.550	56	2955	1.462	ug/l	# 13
36) 1,1-Dichloropropene	5.550	75	9906	4.969	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	12501	6.375	ug/l	# 15
41) Methacrylonitrile	5.019	41	5319	4.516	ug/l	# 53
51) 4-Methyl-2-Pentanone	8.653	43	1168	0.479	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	53049	23.645	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	53049	67.507	ug/l	# 5

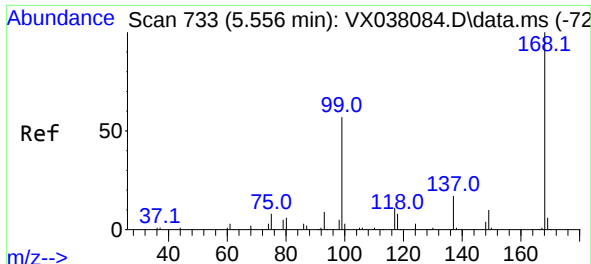
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 17:20:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

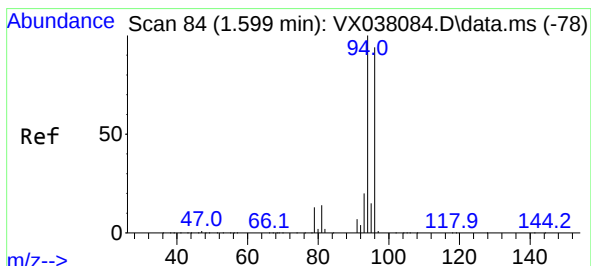
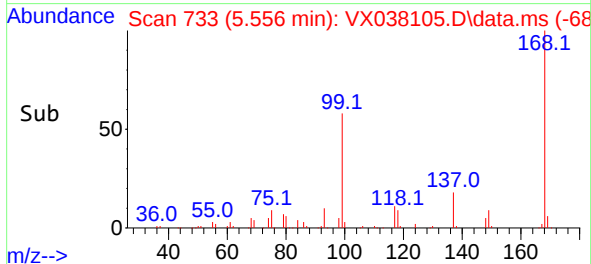
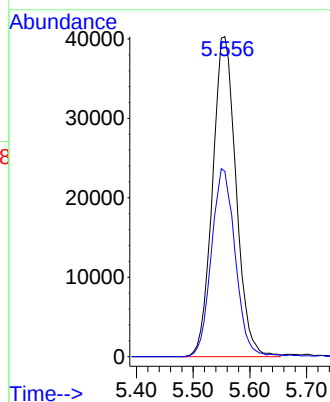
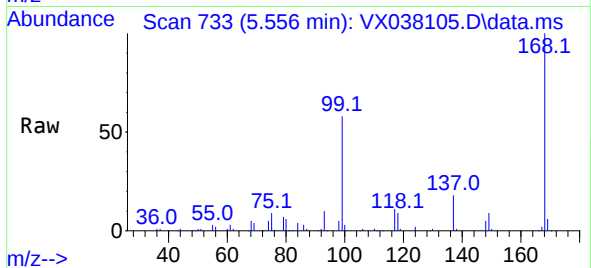




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

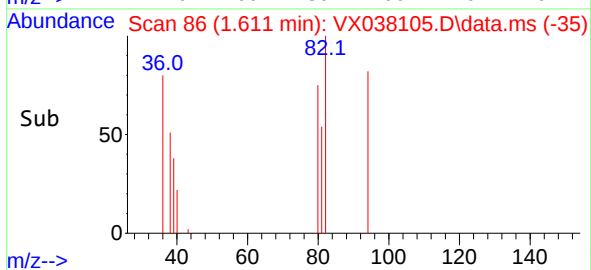
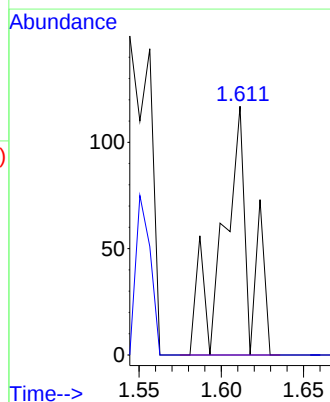
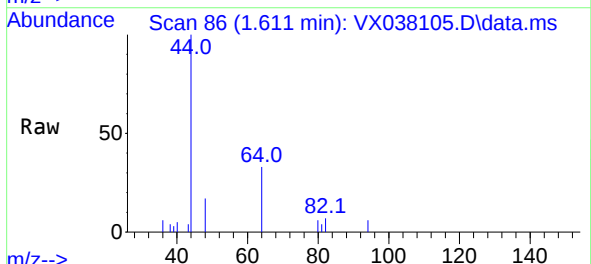
Instrument : MSVOA_X
ClientSampleId : BP-VPB-RW10A-EB-20230928

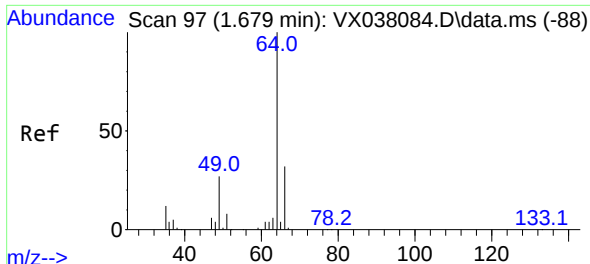
Tgt Ion:168 Resp: 116001
Ion Ratio Lower Upper
168 100
99 57.9 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

Tgt Ion: 94 Resp: 134
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

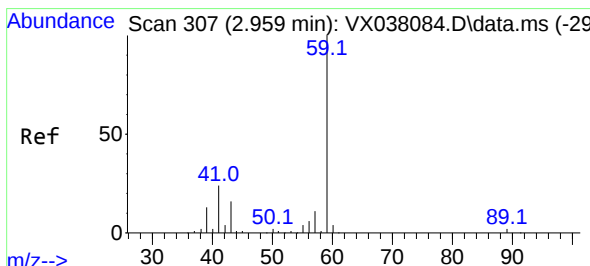
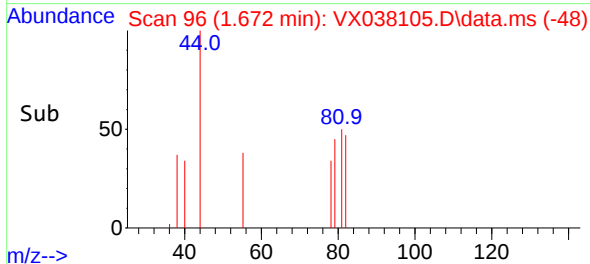
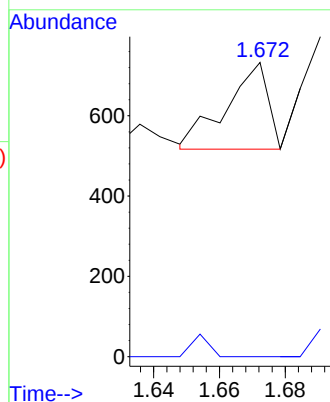
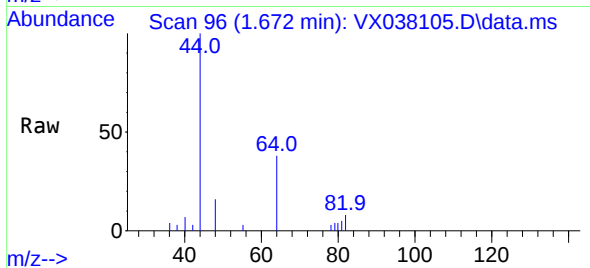




#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.007 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

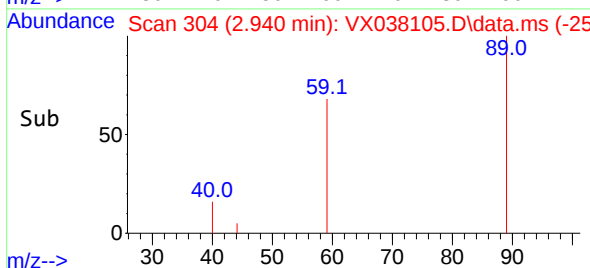
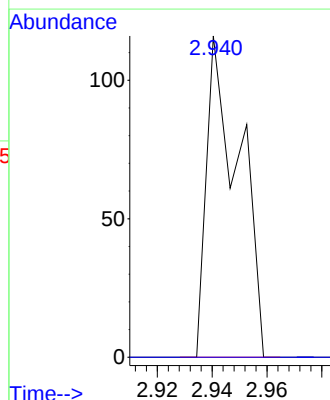
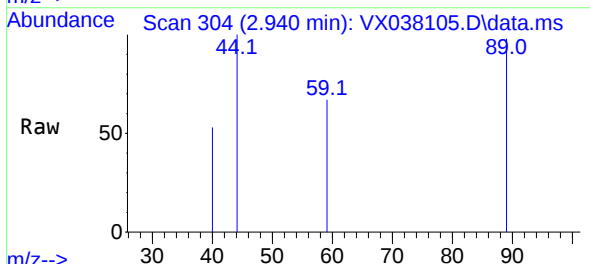
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-EB-20230928

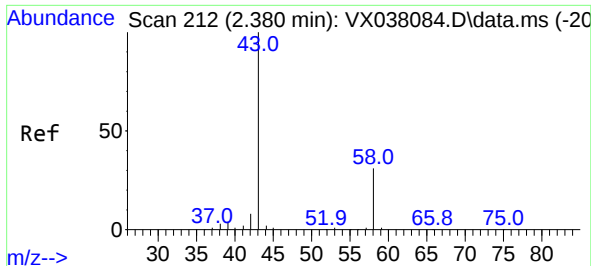
Tgt Ion: 64 Resp: 190
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.019 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

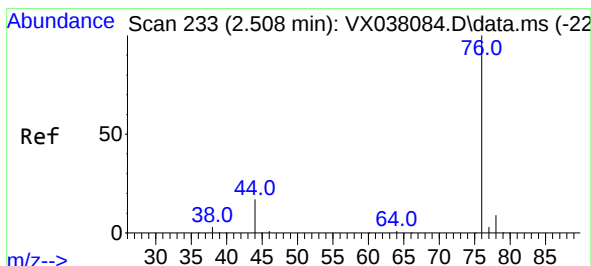
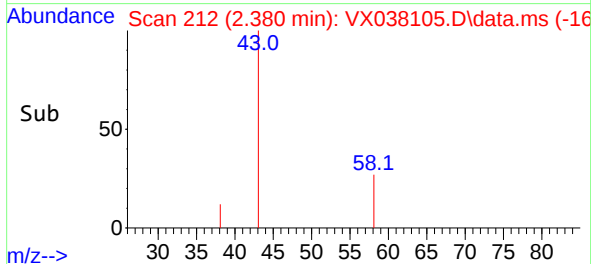
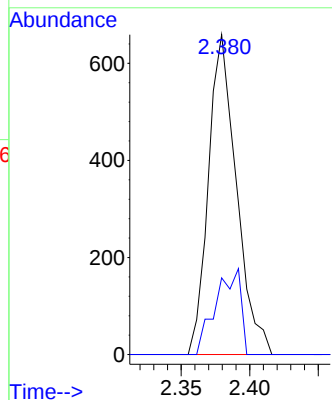
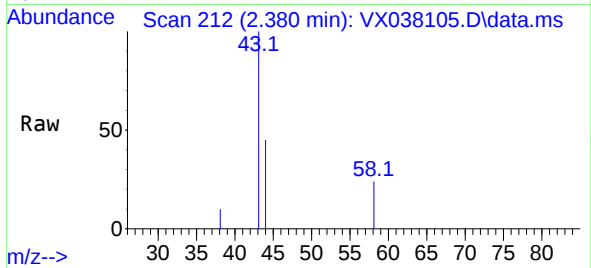




#16
Acetone
Concen: 1.203 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

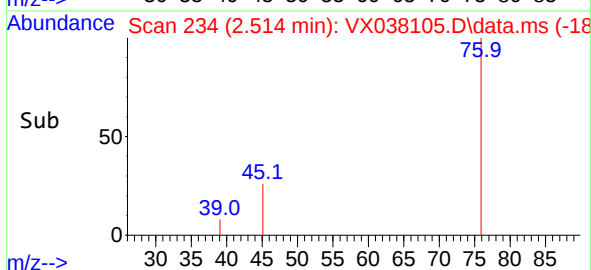
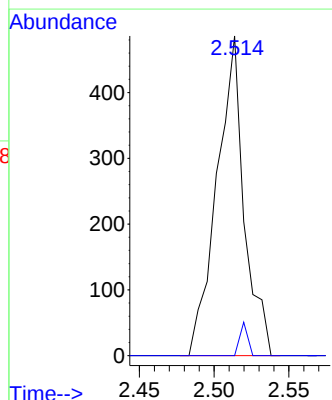
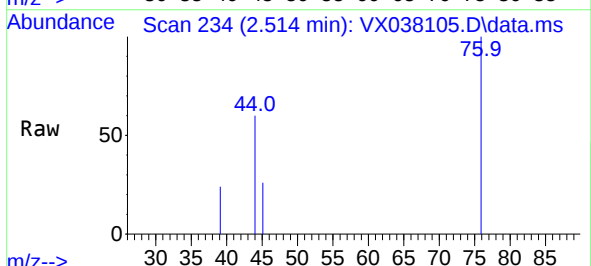
Instrument : MSVOA_X
ClientSampleId : BP-VPB-RW10A-EB-20230928

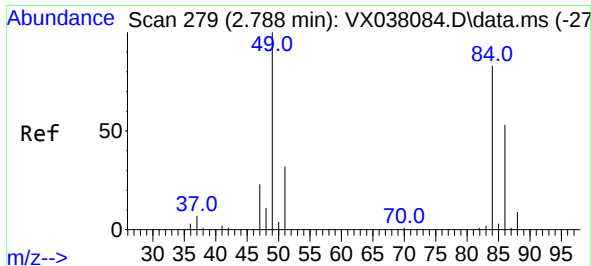
Tgt Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
58 24.0 21.9 32.9



#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

Tgt Ion: 76 Resp: 616
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



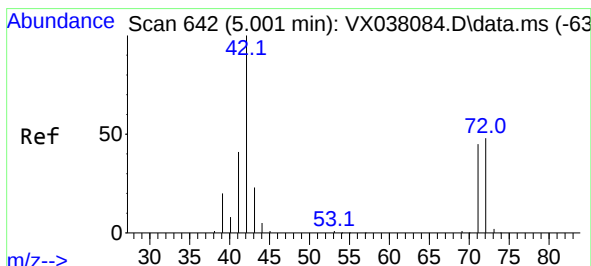
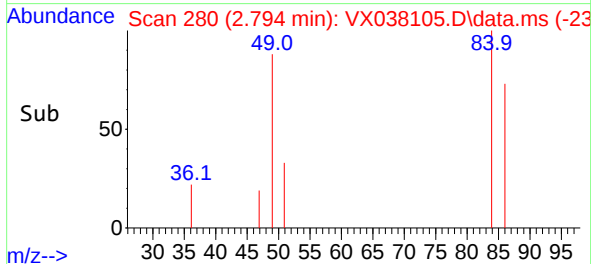
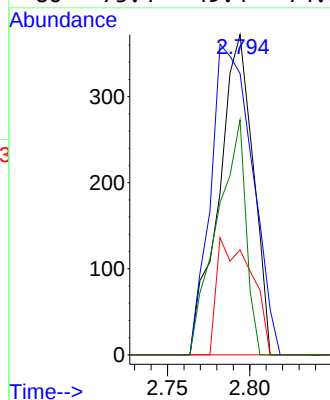
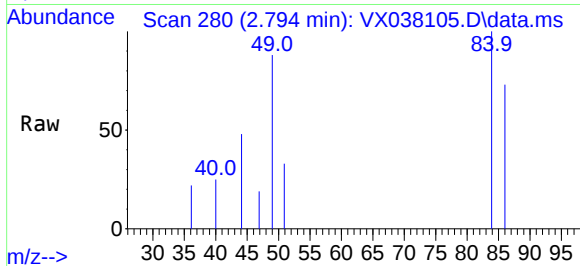


#20
Methylene Chloride
Concen: 0.369 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-EB-20230928

Tgt Ion: 84 Resp: 541

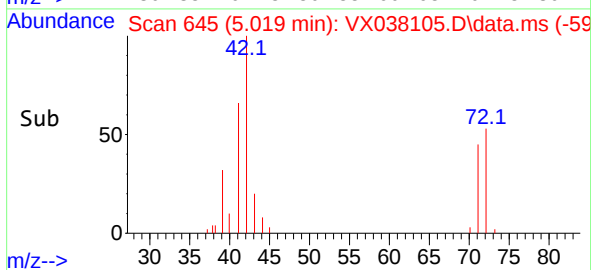
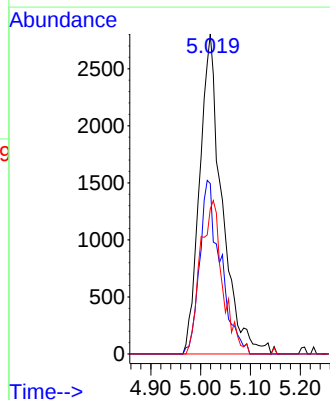
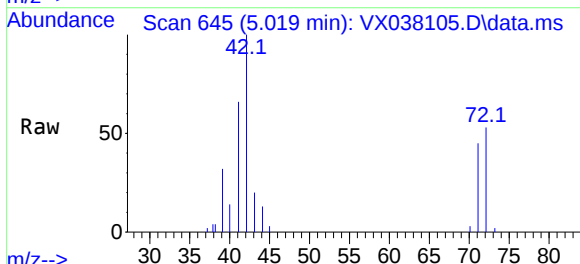
Ion	Ratio	Lower	Upper
84	100		
49	87.9	103.6	155.4#
51	32.8	33.8	50.6#
86	73.4	49.4	74.0

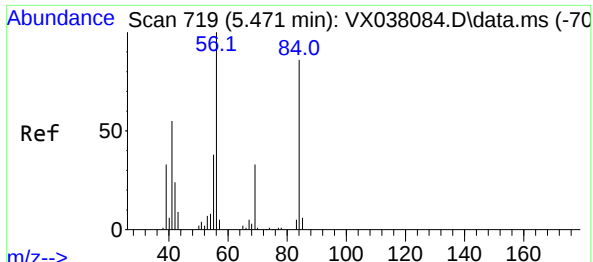


#29
Tetrahydrofuran
Concen: 10.670 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.018 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

Tgt Ion: 42 Resp: 8728

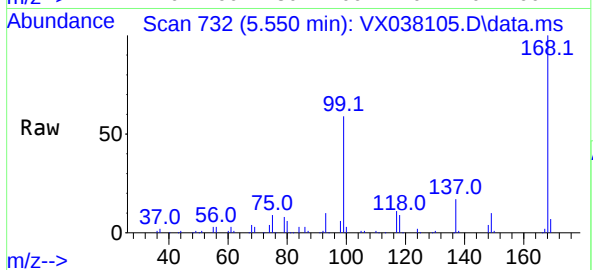
Ion	Ratio	Lower	Upper
42	100		
72	50.7	34.2	51.4
71	47.9	32.2	48.2



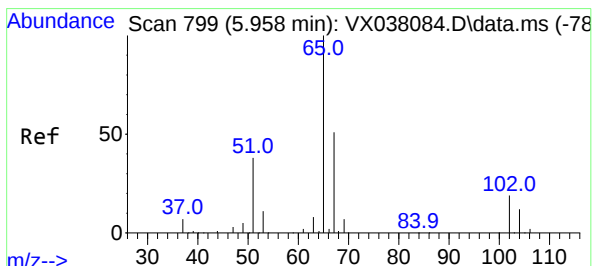
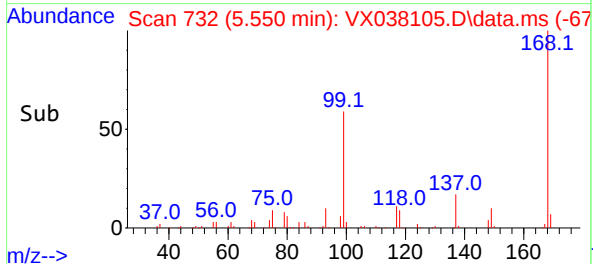
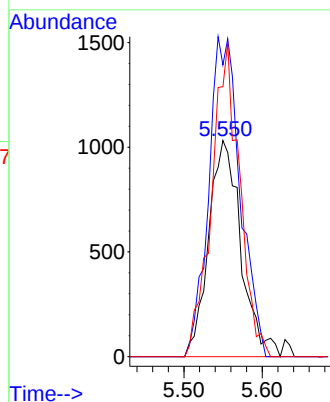


#31
Cyclohexane
Concen: 1.462 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

Instrument :
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ClientSampleId :
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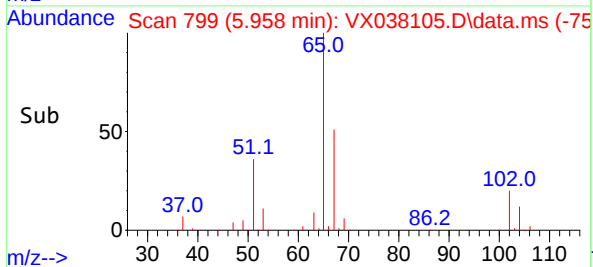
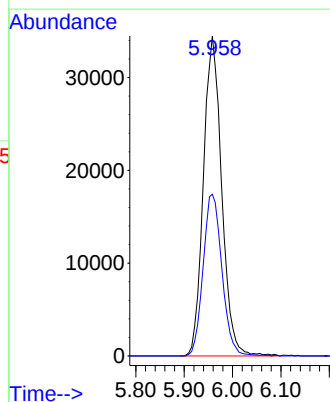
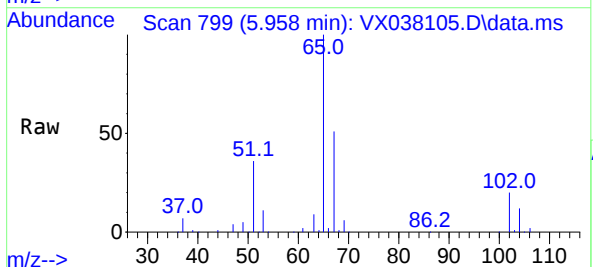


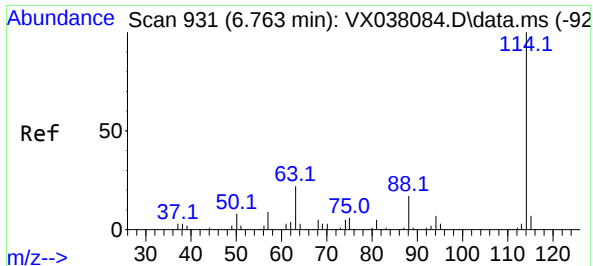
Tgt Ion: 56 Resp: 2955
Ion Ratio Lower Upper
56 100
69 135.0 23.4 35.2#
84 124.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.571 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

Tgt Ion: 65 Resp: 90624
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2

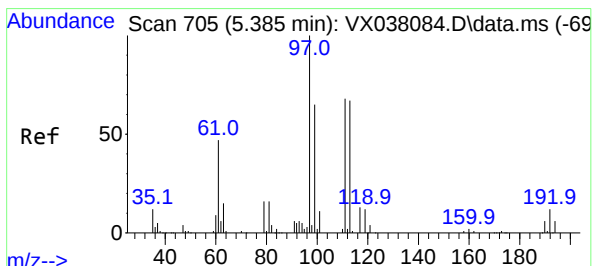
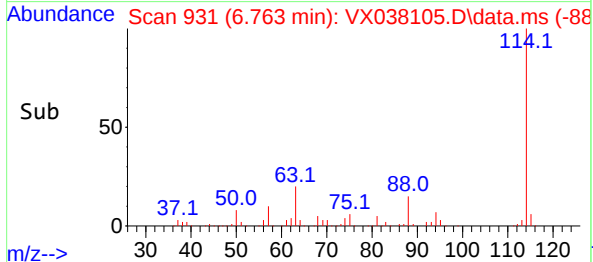
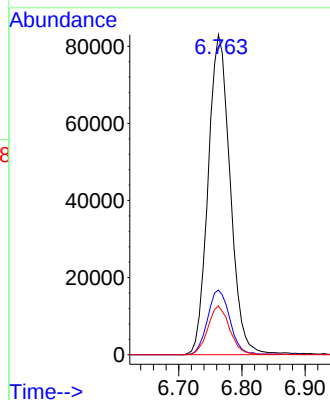
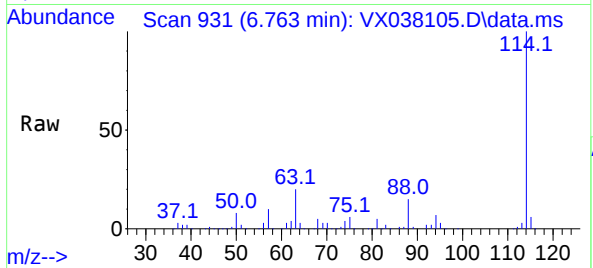




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

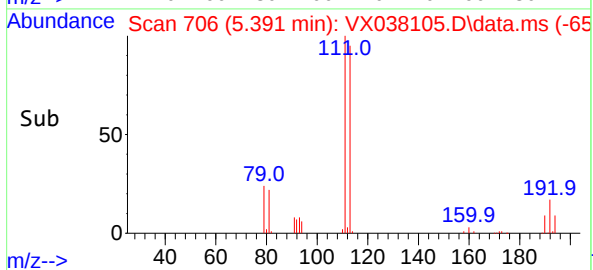
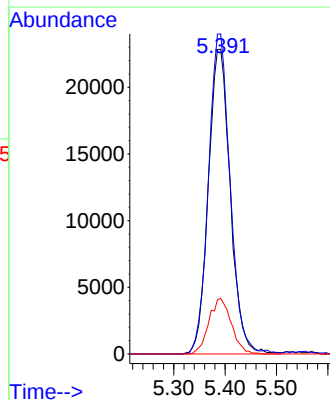
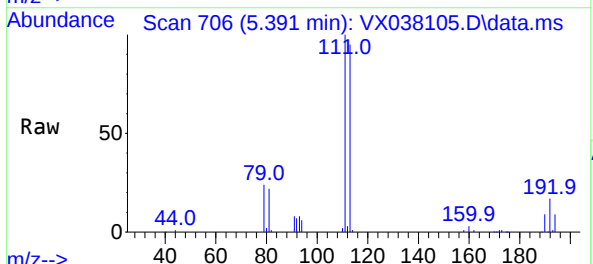
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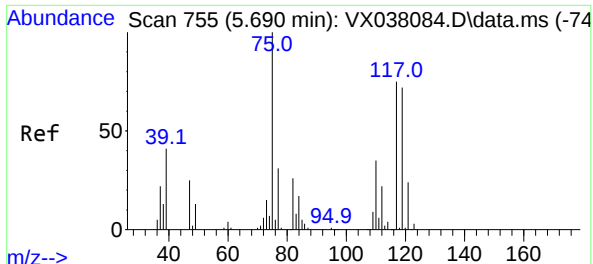
Tgt Ion:114 Resp: 200616
Ion Ratio Lower Upper
114 100
63 20.2 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.804 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

Tgt Ion:113 Resp: 67658
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 18.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.969 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX038105.D

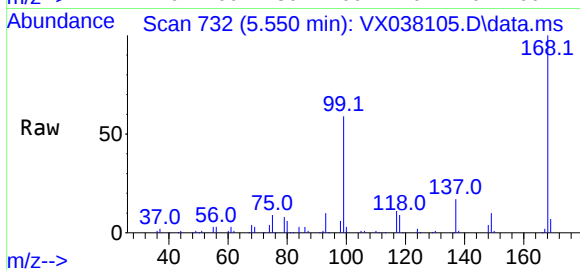
Acq: 05 Oct 2023 16:54

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW10A-EB-20230928



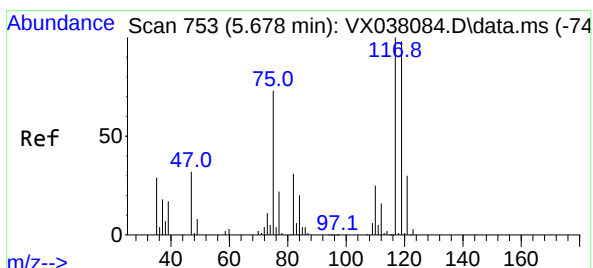
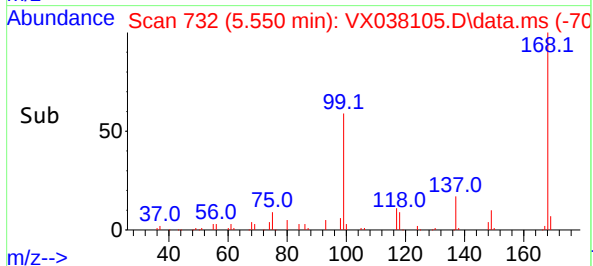
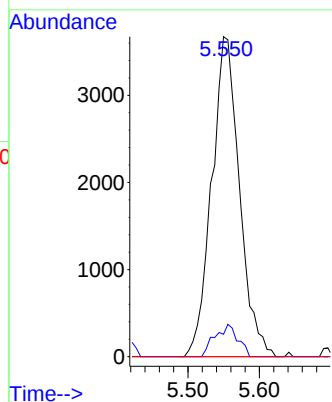
Tgt Ion: 75 Resp: 9906

Ion Ratio Lower Upper

75 100

110 8.3 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.375 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX038105.D

Acq: 05 Oct 2023 16:54

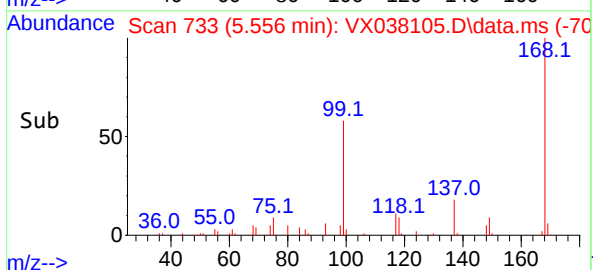
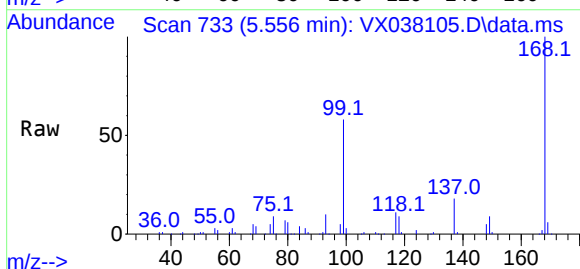
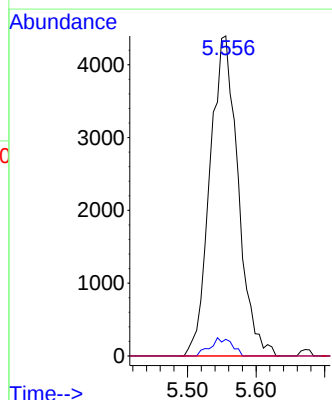
Tgt Ion: 117 Resp: 12501

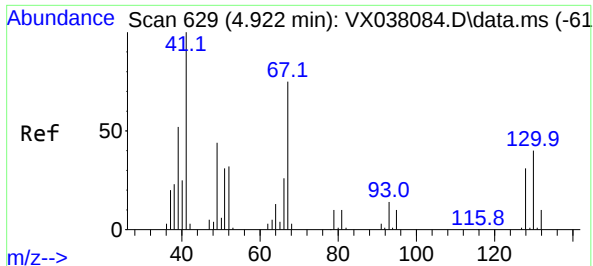
Ion Ratio Lower Upper

117 100

119 5.2 78.2 117.2#

121 0.0 24.4 36.6#

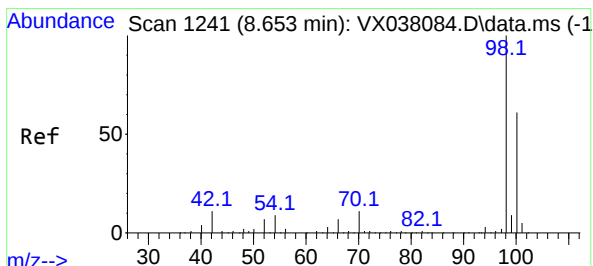
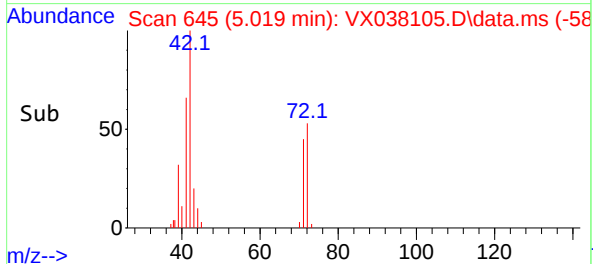
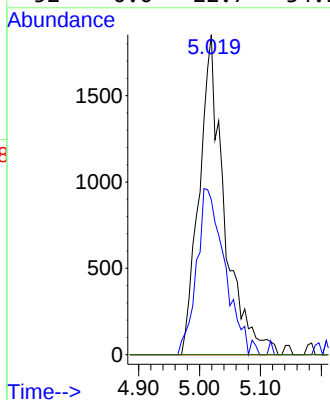
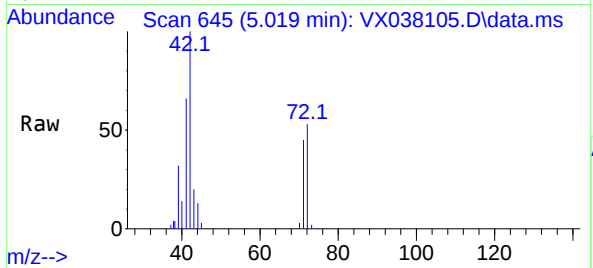




#41
Methacrylonitrile
Concen: 4.516 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

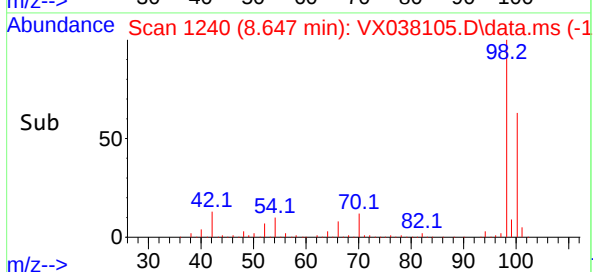
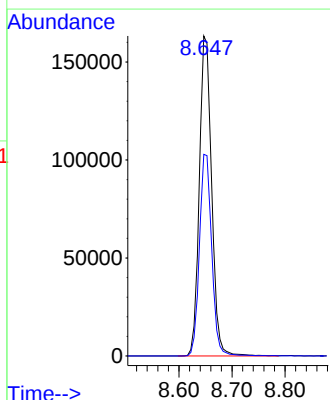
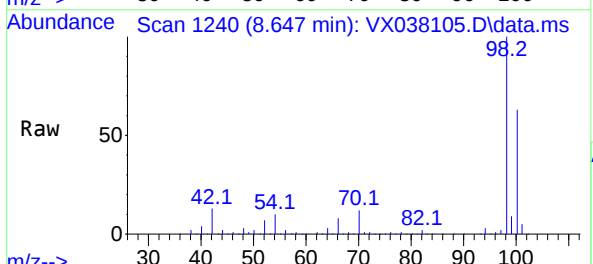
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-EB-20230928

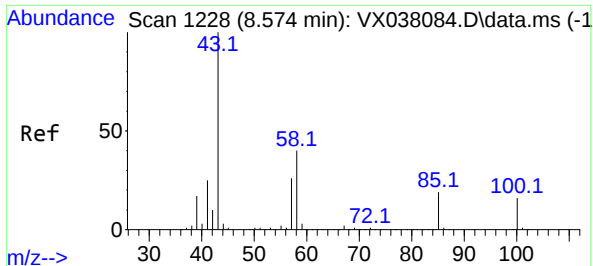
Tgt Ion: 41	Resp: 5319
Ion Ratio	Lower Upper
41 100	
39 58.0	45.2 67.8
67 0.0	52.6 78.8#
52 0.0	22.7 34.1#



#50
Toluene-d8
Concen: 47.788 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

Tgt Ion: 98	Resp: 263977
Ion Ratio	Lower Upper
98 100	
100 62.7	53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.479 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX038105.D

Acq: 05 Oct 2023 16:54

Instrument :

MSVOA_X

ClientSampleId :

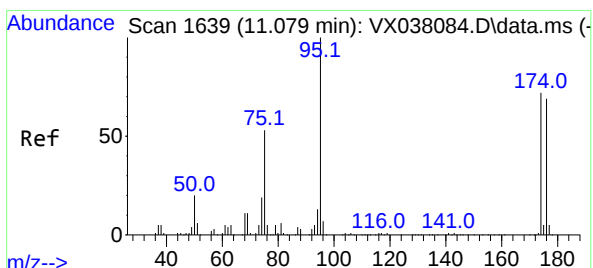
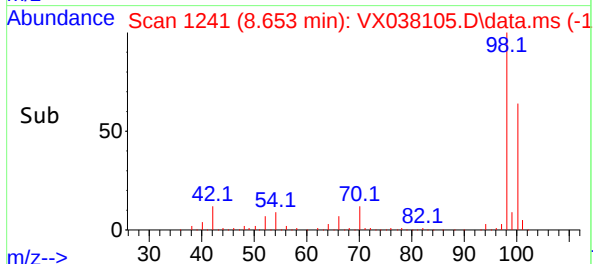
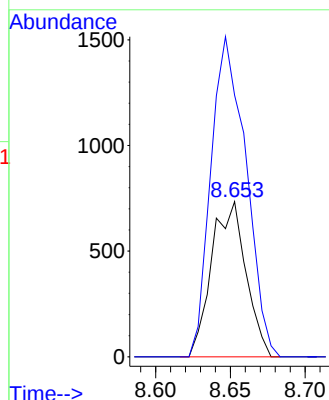
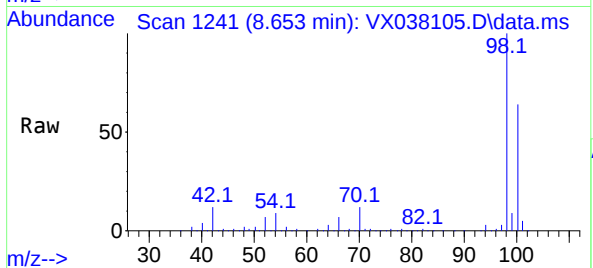
BP-VPB-RW10A-EB-20230928

Tgt Ion: 43 Resp: 1168

Ion Ratio Lower Upper

43 100

58 211.2 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 44.742 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038105.D

Acq: 05 Oct 2023 16:54

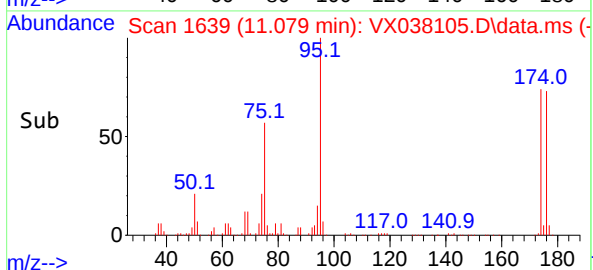
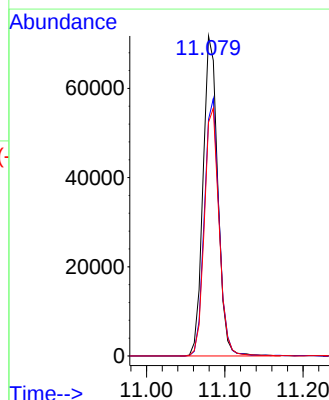
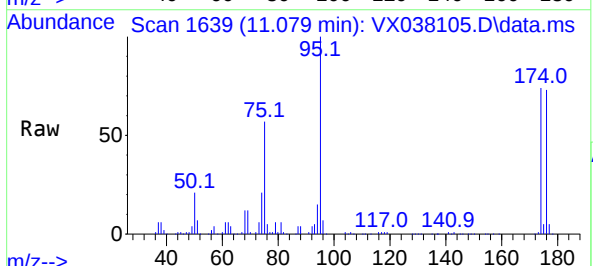
Tgt Ion: 95 Resp: 93697

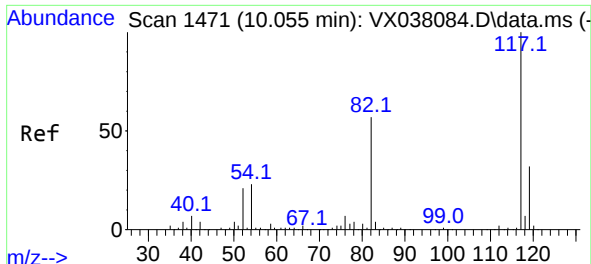
Ion Ratio Lower Upper

95 100

174 80.2 0.0 135.6

176 77.4 0.0 131.0

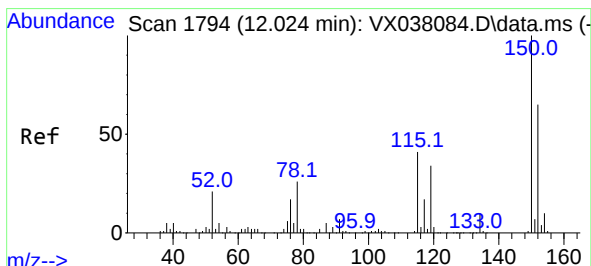
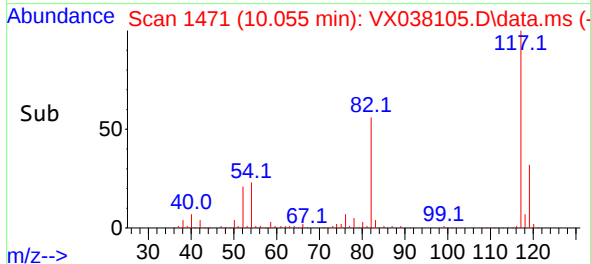
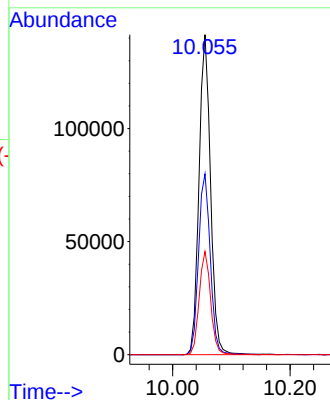
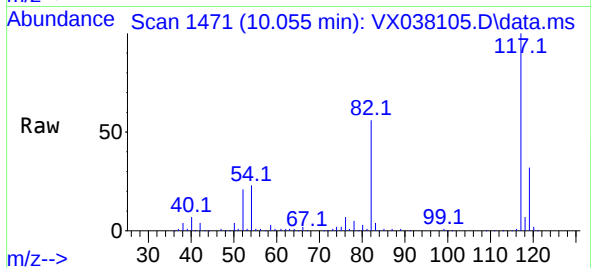




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

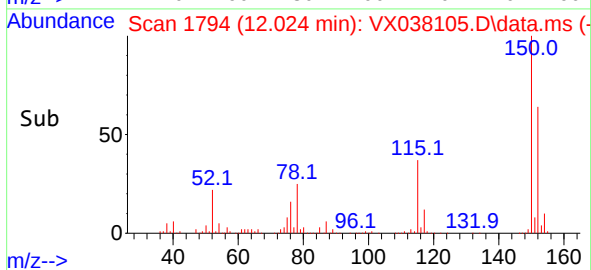
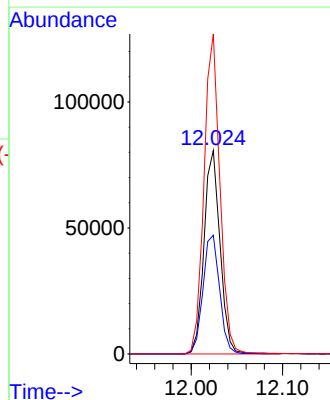
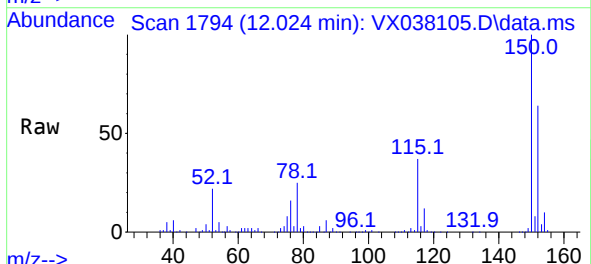
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-EB-20230928

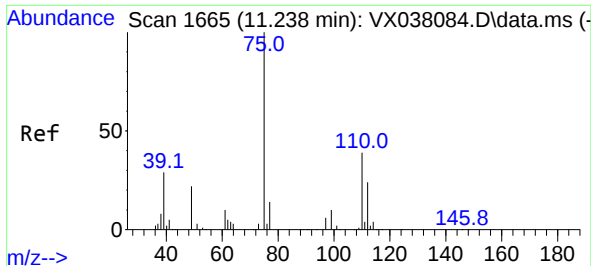
Tgt Ion:117 Resp: 192968
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

Tgt Ion:152 Resp: 98687
Ion Ratio Lower Upper
152 100
115 60.5 43.3 129.9
150 156.0 0.0 345.0

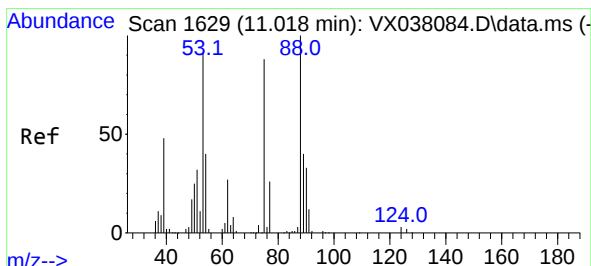
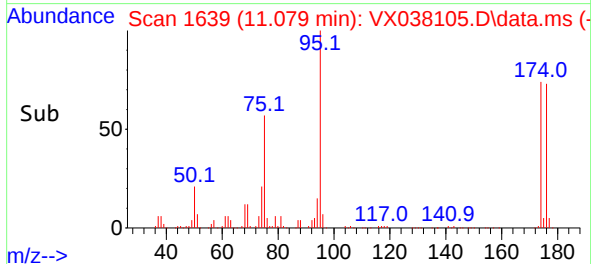
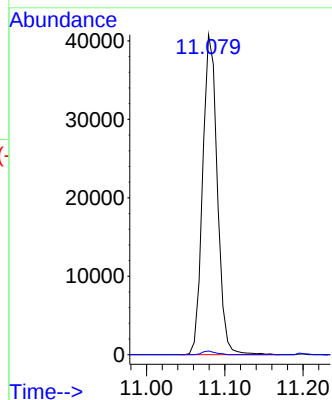
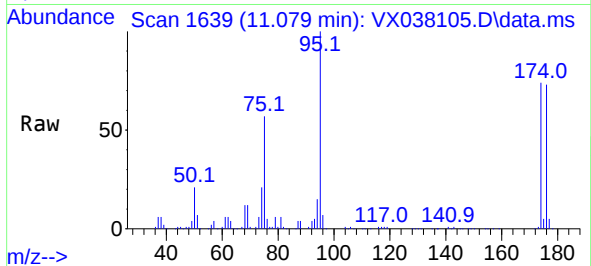




#76
1,2,3-Trichloropropane
Concen: 23.645 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-EB-20230928

Tgt Ion: 75 Resp: 53049
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.507 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038105.D
Acq: 05 Oct 2023 16:54

Tgt Ion: 75 Resp: 53049
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

