

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100522\
 Data File : VX031906.D
 Acq On : 05 Oct 2022 19:35
 Operator : JC/MD
 Sample : N4983-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW5-GW-778-780

Quant Time: Oct 06 06:49:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 05 12:20:53 2022
 Response via : Initial Calibration

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

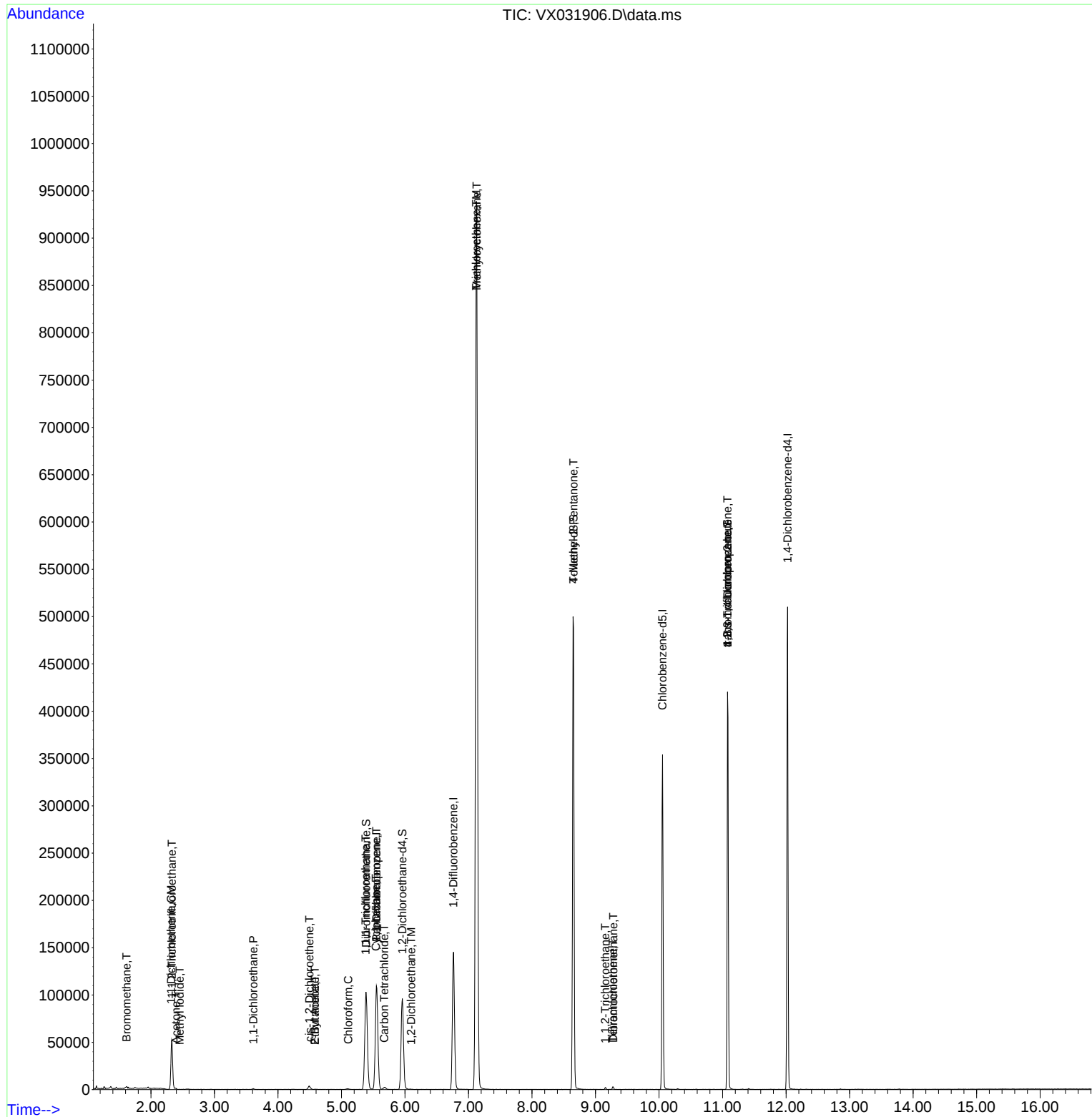
Internal Standards						
1) Pentafluorobenzene	5.550	168	114530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	165984	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90145	52.257	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.520%			
35) Dibromofluoromethane	5.385	113	89082	49.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.100%			
50) Toluene-d8	8.653	98	323739	50.327	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.660%			
62) 4-Bromofluorobenzene	11.079	95	111703	48.275	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.540%			
Target Compounds						Qvalue
5) Bromomethane	1.618	94	467	0.331	ug/l	83
6) Chloroethane	1.666	64	157	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	16833	11.077	ug/l #	83
10) Methyl Iodide	2.453	142	69	3.133	ug/l #	78
11) Tert butyl alcohol	2.959	59	18	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	4528	3.146	ug/l #	74
16) Acetone	2.392	43	1558	3.118	ug/l	94
24) 1,1-Dichloroethane	3.611	63	1103	0.460	ug/l #	82
25) 2-Butanone	4.580	43	346	0.435	ug/l #	49
27) cis-1,2-Dichloroethene	4.495	96	2516	1.333	ug/l	73
30) Chloroform	5.105	83	1101	0.375	ug/l #	79
31) Cyclohexane	5.544	56	1638	0.822	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	679	0.263	ug/l #	24
36) 1,1-Dichloropropene	5.550	75	6718	3.187	ug/l #	47
37) Ethyl Acetate	4.580	43	346	0.212	ug/l #	68
38) Carbon Tetrachloride	5.672	117	2220	0.894	ug/l #	85
39) Methylcyclohexane	7.129	83	4183	1.549	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	524	0.249	ug/l #	75
44) Trichloroethene	7.123	130	408086	189.173	ug/l	83
51) 4-Methyl-2-Pentanone	8.653	43	1026	0.614	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	591	0.320	ug/l #	85
60) Dibromochloromethane	9.281	129	557	0.300	ug/l #	11
64) Tetrachloroethene	9.275	164	544	0.248	ug/l #	78
76) 1,2,3-Trichloropropane	11.079	75	51033	27.619	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	51033	91.194	ug/l #	11

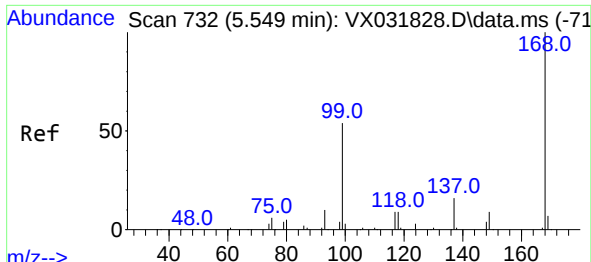
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
BP-VPB-RW5-GW-778-780

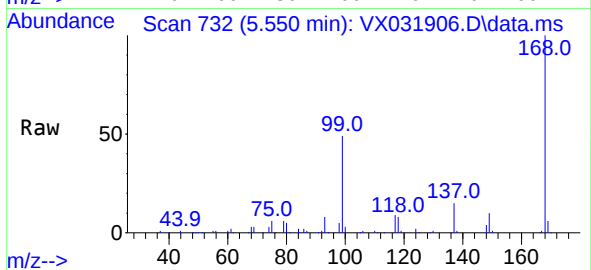
Quant Time: Oct 06 06:49:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100522W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 05 12:20:53 2022
Response via : Initial Calibration



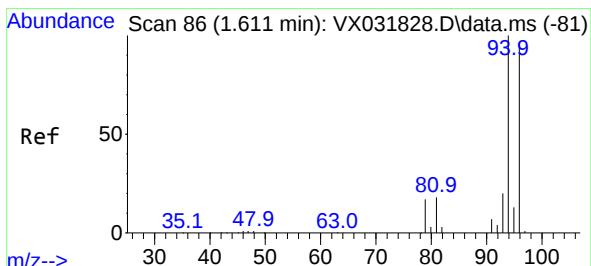
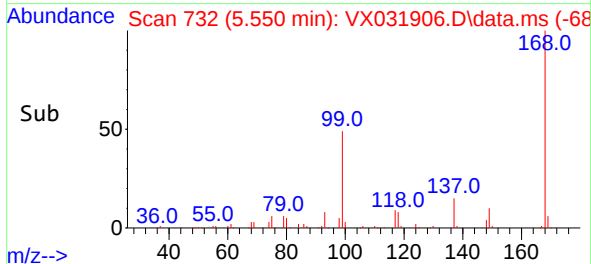
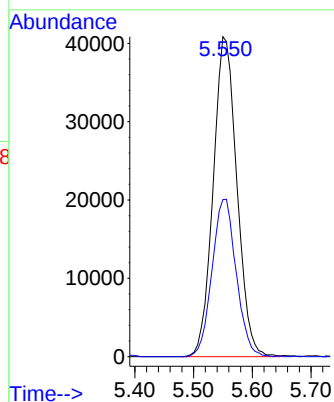


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-778-780

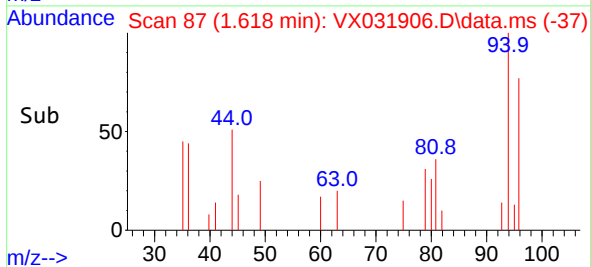
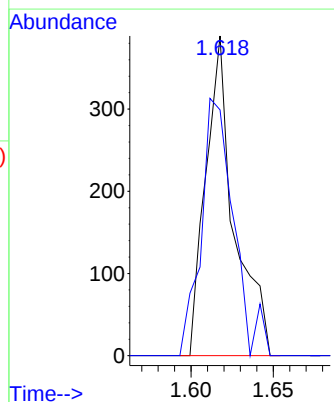
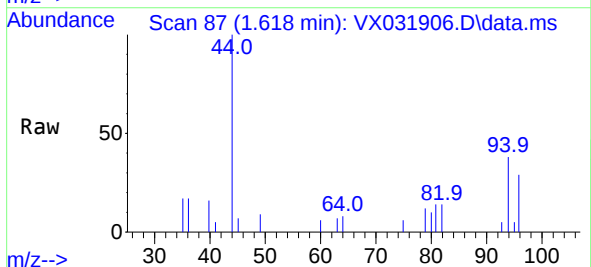


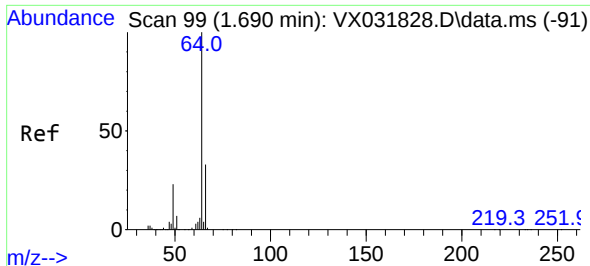
Tgt Ion:168 Resp: 114530
Ion Ratio Lower Upper
168 100
99 49.1 48.8 73.2



#5
Bromomethane
Concen: 0.331 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

Tgt Ion: 94 Resp: 467
Ion Ratio Lower Upper
94 100
96 76.9 74.4 111.6

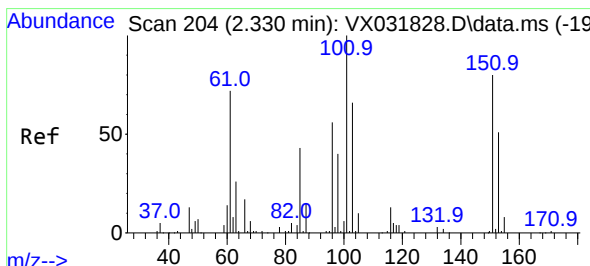
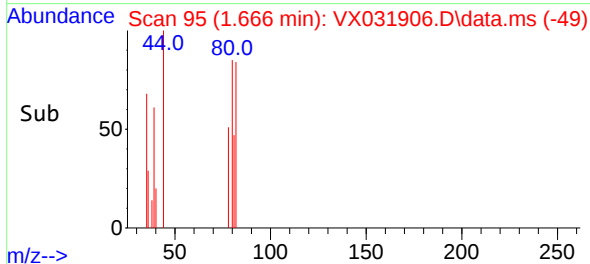
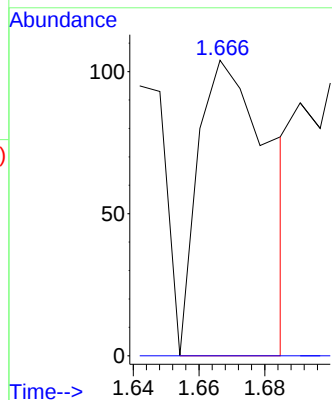
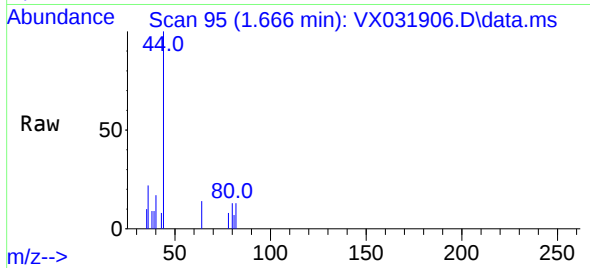




#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

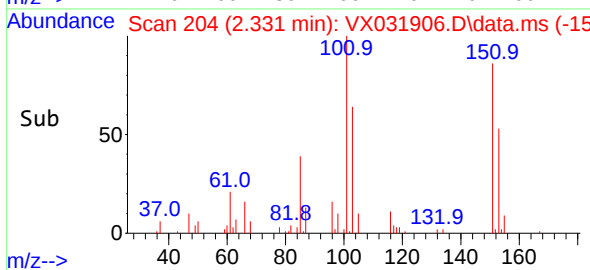
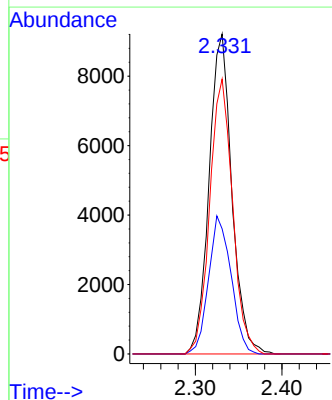
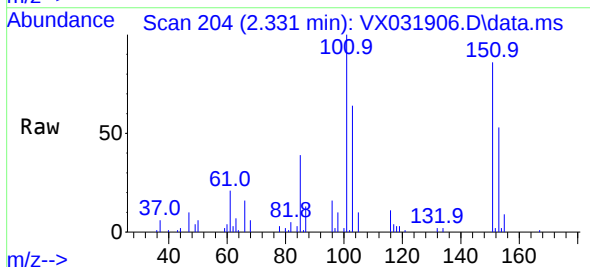
Instrument : MSVOA_X
ClientSampleId : BP-VPB-RW5-GW-778-780

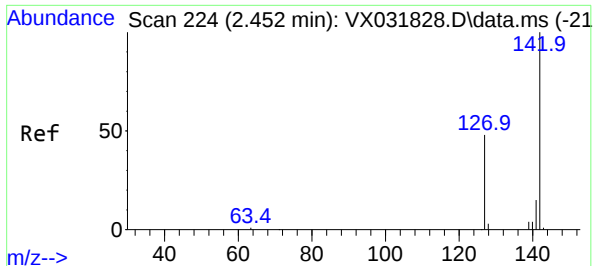
Tgt Ion: 64 Resp: 157
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.077 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

Tgt Ion: 101 Resp: 16833
Ion Ratio Lower Upper
101 100
85 42.6 38.6 57.8
151 86.1 54.0 81.0#

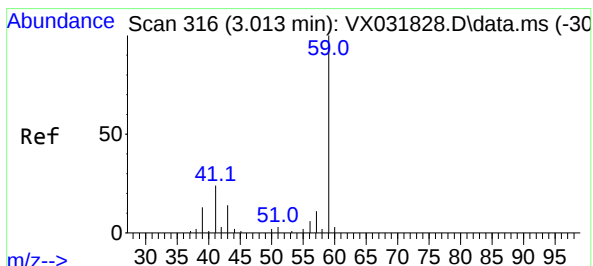
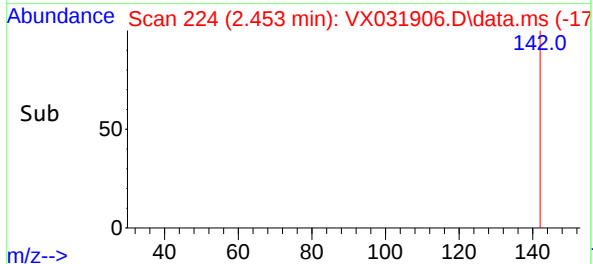
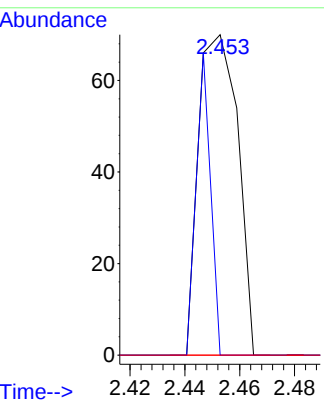
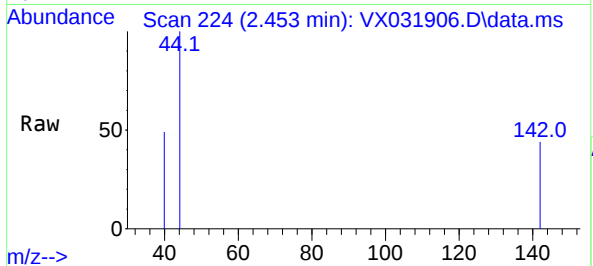




#10
Methyl Iodide
Concen: 3.133 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

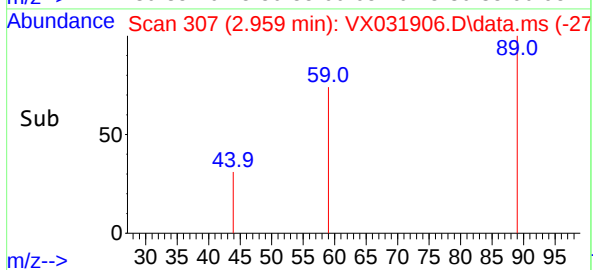
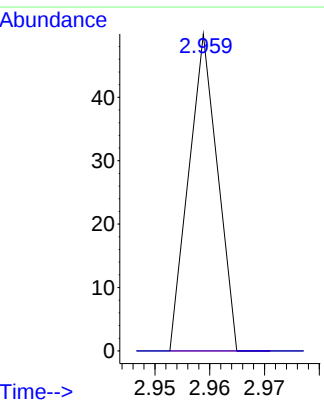
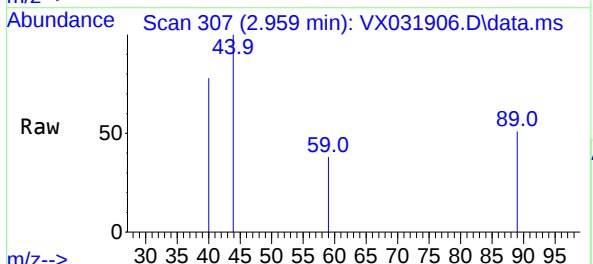
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-778-780

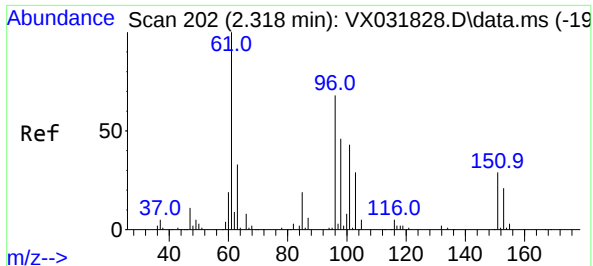
Tgt Ion:142 Resp: 69
Ion Ratio Lower Upper
142 100
127 34.8 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.122 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

Tgt Ion: 59 Resp: 18
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 3.146 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX031906.D

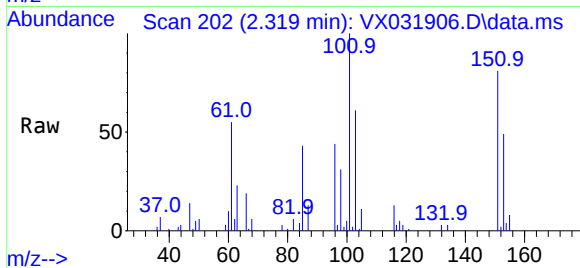
Acq: 05 Oct 2022 19:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW5-GW-778-780



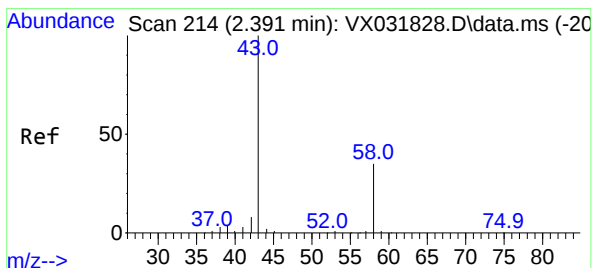
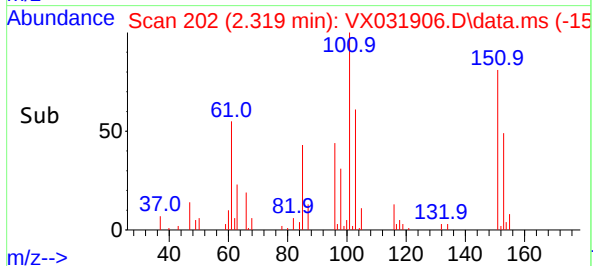
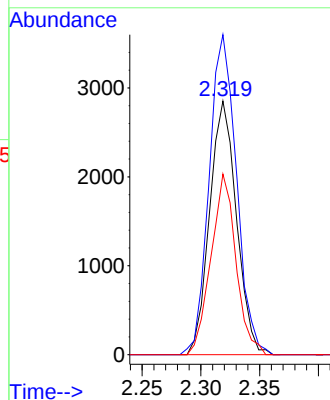
Tgt Ion: 96 Resp: 4528

Ion Ratio Lower Upper

96 100

61 126.2 135.3 202.9#

98 71.2 49.4 74.2



#16

Acetone

Concen: 3.118 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX031906.D

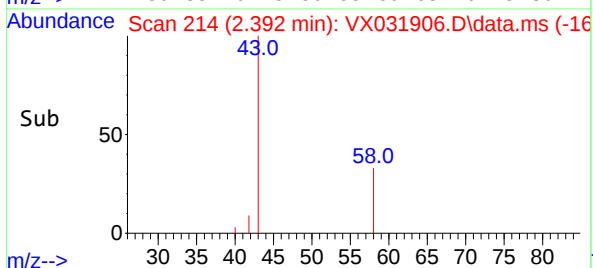
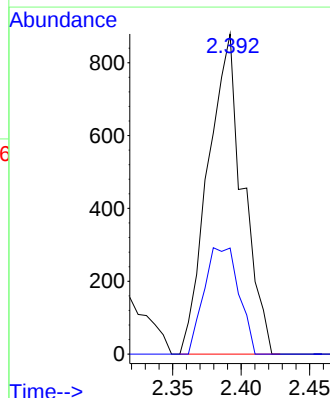
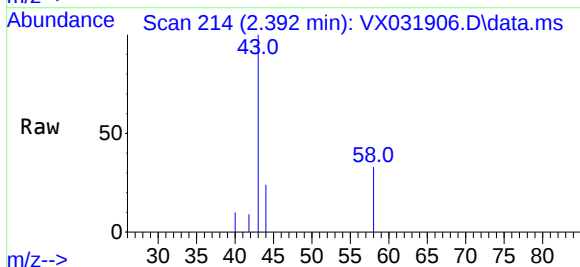
Acq: 05 Oct 2022 19:35

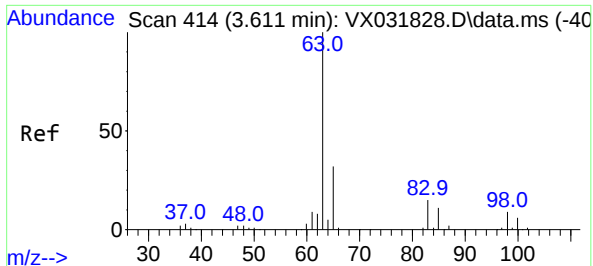
Tgt Ion: 43 Resp: 1558

Ion Ratio Lower Upper

43 100

58 33.1 23.8 35.8

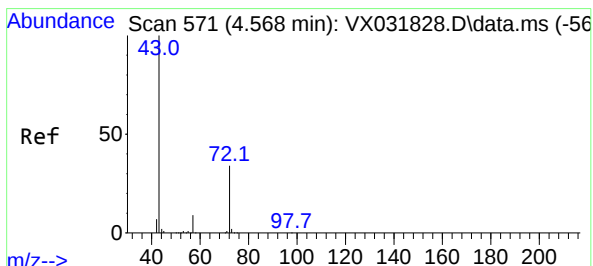
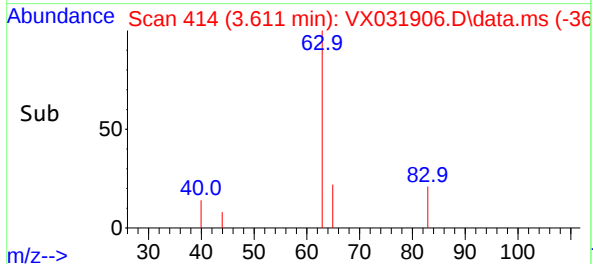
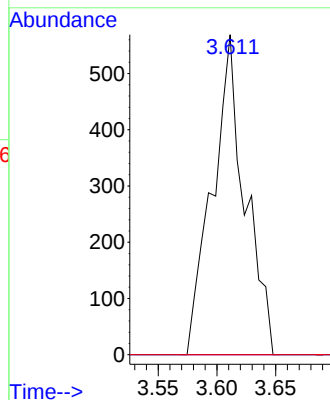
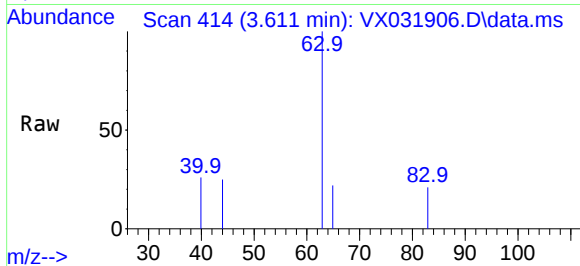




#24
1,1-Dichloroethane
Concen: 0.460 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

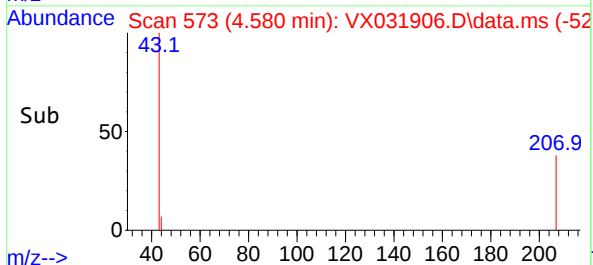
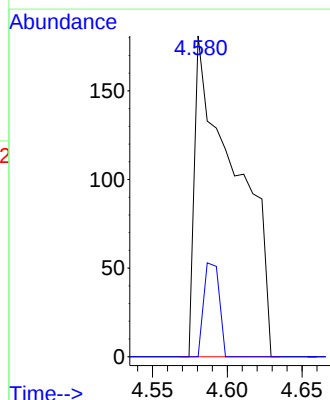
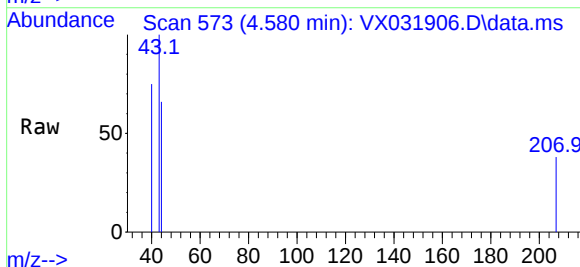
Instrument :
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ClientSampleId :
BP-VPB-RW5-GW-778-780

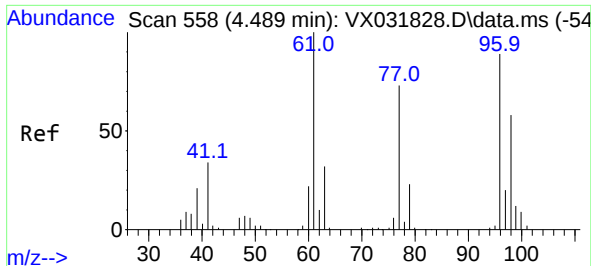
Tgt Ion: 63 Resp: 1103
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.4 7.2#



#25
2-Butanone
Concen: 0.435 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





#27

cis-1,2-Dichloroethene

Concen: 1.333 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX031906.D

Acq: 05 Oct 2022 19:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW5-GW-778-780

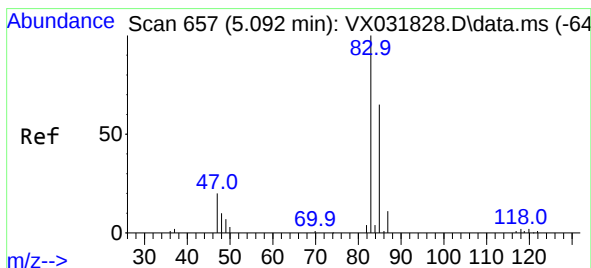
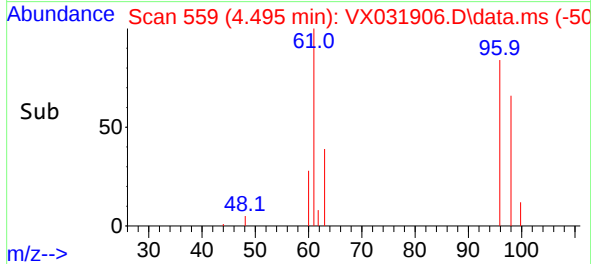
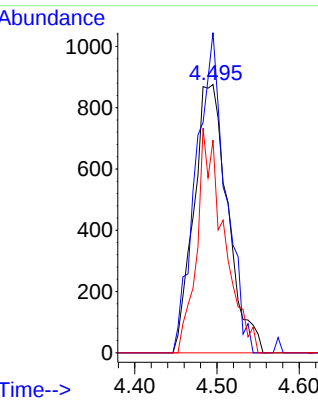
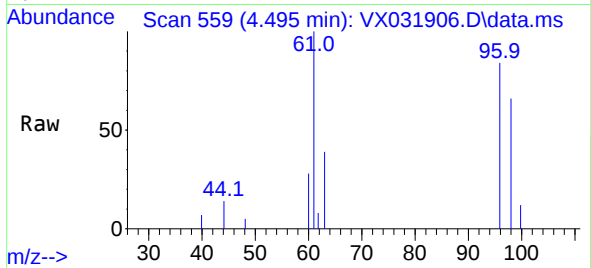
Tgt Ion: 96 Resp: 2516

Ion Ratio Lower Upper

96 100

61 104.4 0.0 305.2

98 66.8 0.0 128.4



#30

Chloroform

Concen: 0.375 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.013 min

Lab File: VX031906.D

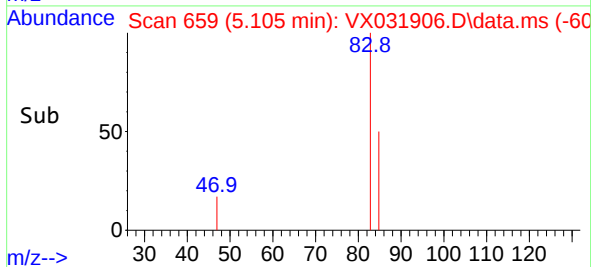
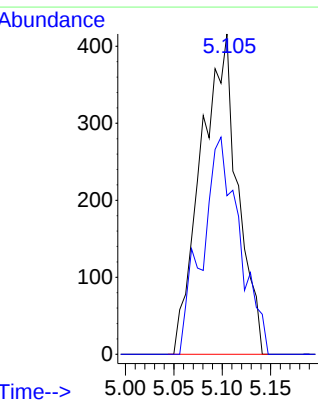
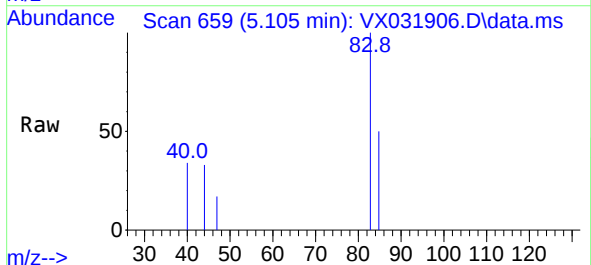
Acq: 05 Oct 2022 19:35

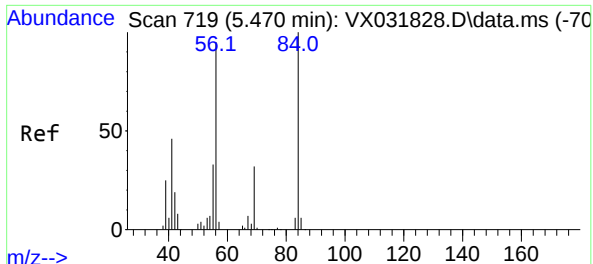
Tgt Ion: 83 Resp: 1101

Ion Ratio Lower Upper

83 100

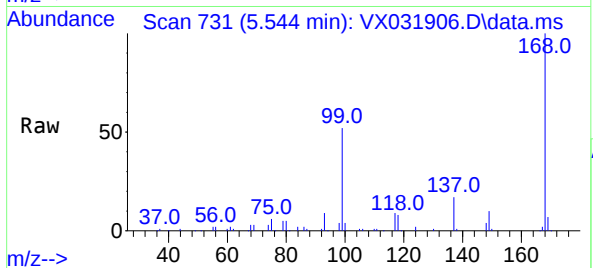
85 49.5 52.8 79.2#



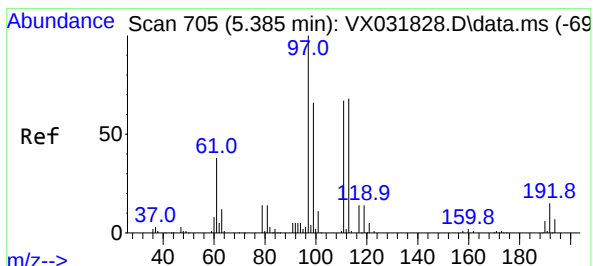
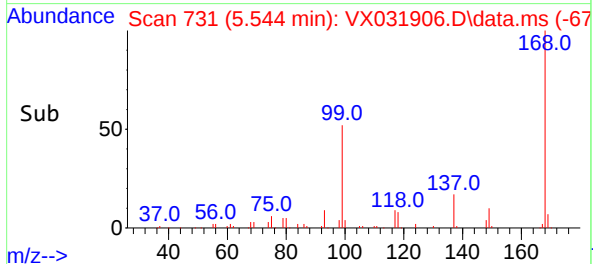
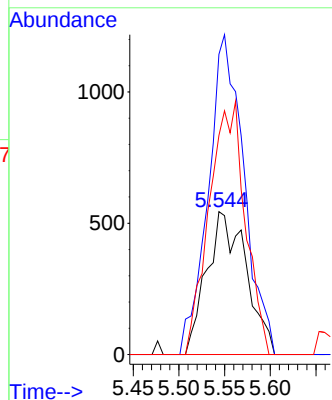


#31
Cyclohexane
Concen: 0.822 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

Instrument :
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BP-VPB-RW5-GW-778-780

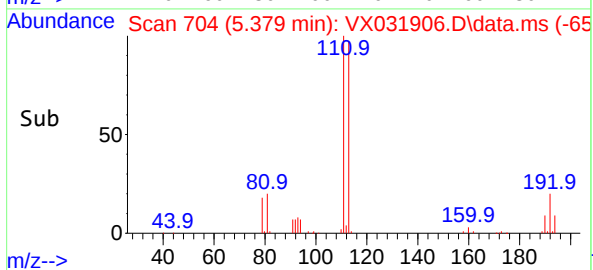
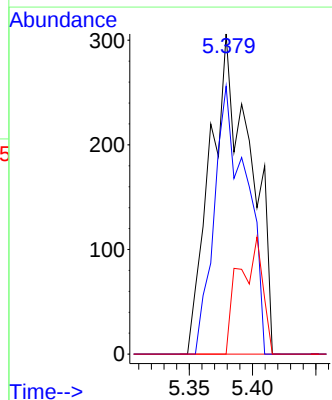
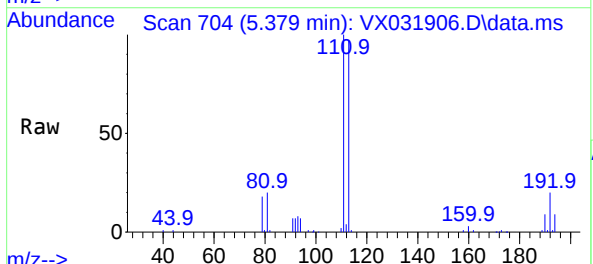


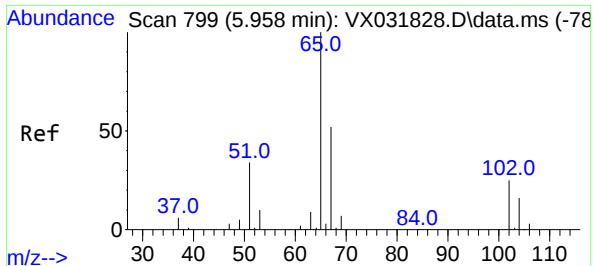
Tgt Ion: 56 Resp: 1638
Ion Ratio Lower Upper
56 100
69 210.1 25.1 37.7#
84 153.3 70.2 105.4#



#32
1,1,1-Trichloroethane
Concen: 0.263 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

Tgt Ion: 97 Resp: 679
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 0.0 35.9 53.9#

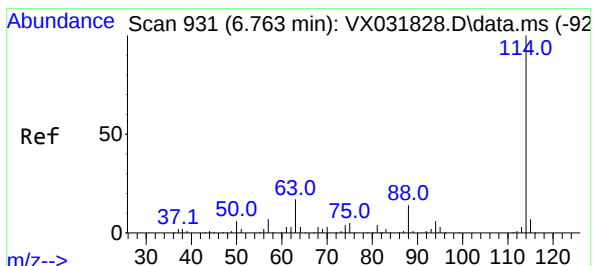
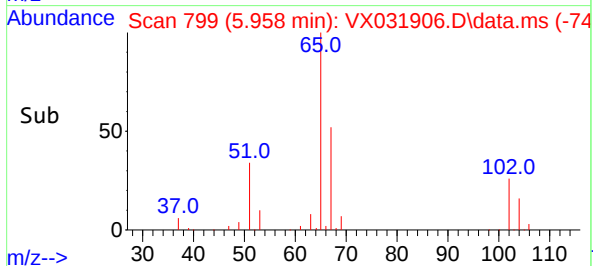
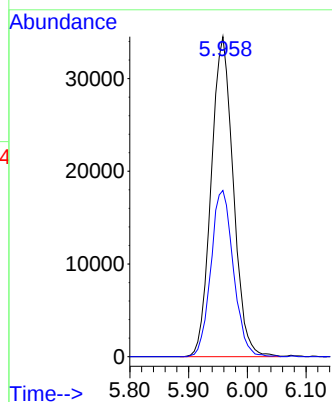
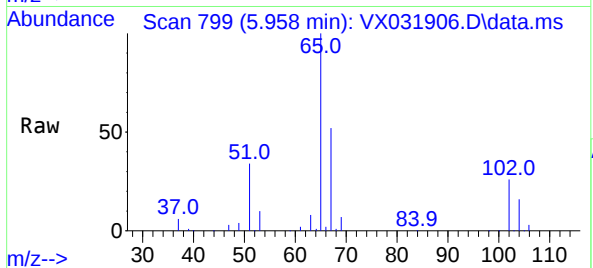




#33
 1,2-Dichloroethane-d4
 Concen: 52.257 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.006 min
 Lab File: VX031906.D
 Acq: 05 Oct 2022 19:35

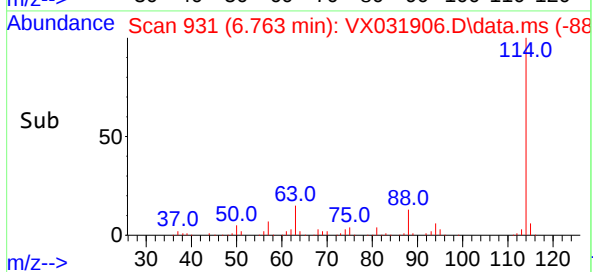
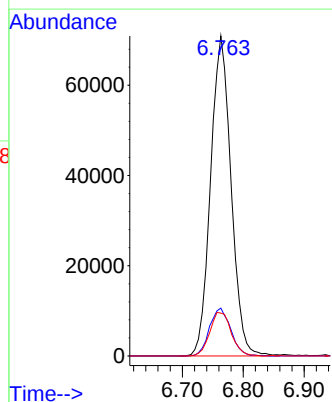
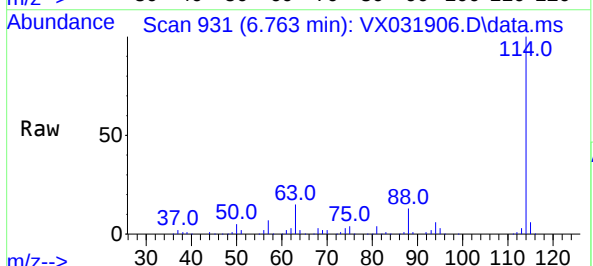
Instrument : MSVOA_X
 ClientSampleId : BP-VPB-RW5-GW-778-780

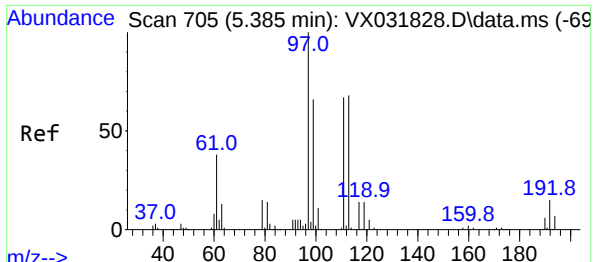
Tgt Ion: 65 Resp: 90145
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX031906.D
 Acq: 05 Oct 2022 19:35

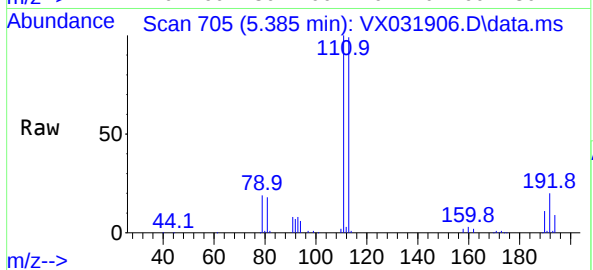
Tgt Ion: 114 Resp: 165984
 Ion Ratio Lower Upper
 114 100
 63 14.9 0.0 42.6
 88 13.4 0.0 33.0



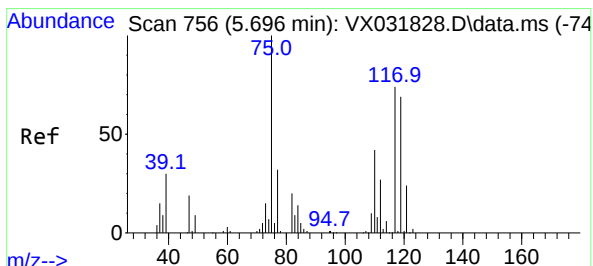
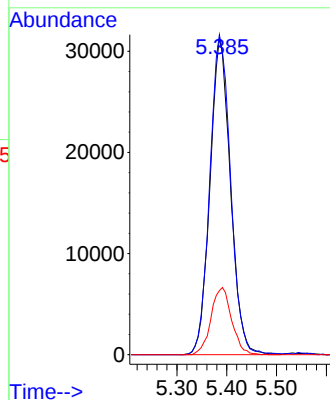
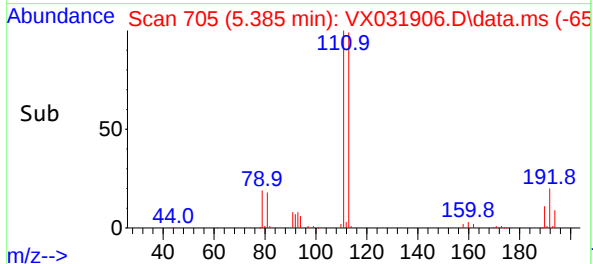


#35
Dibromofluoromethane
Concen: 49.053 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

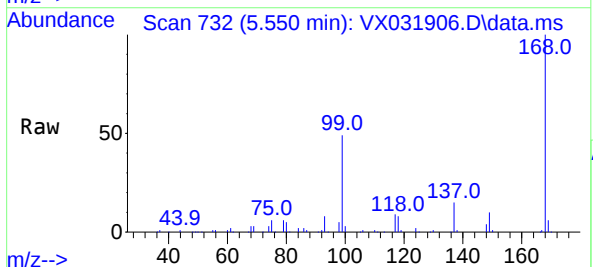
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-778-780



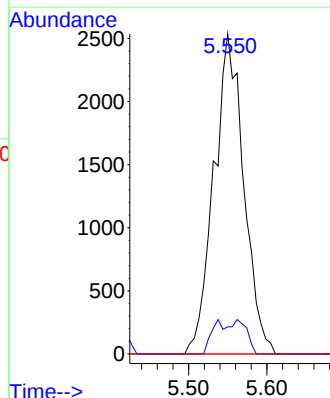
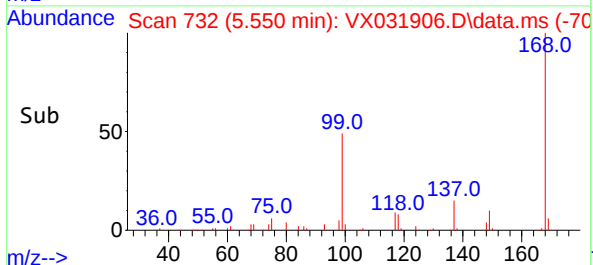
Tgt Ion:113 Resp: 89082
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 21.4 14.1 21.1#

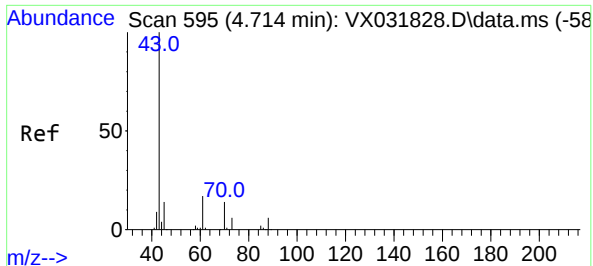


#36
1,1-Dichloropropene
Concen: 3.187 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35



Tgt Ion: 75 Resp: 6718
Ion Ratio Lower Upper
75 100
110 5.5 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.212 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX031906.D

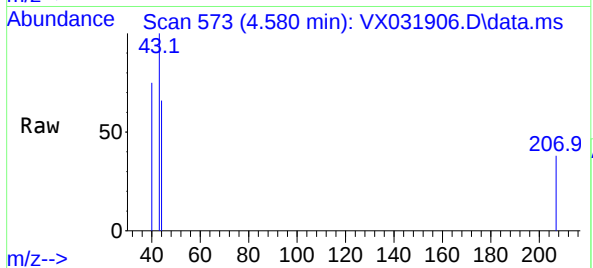
Acq: 05 Oct 2022 19:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW5-GW-778-780



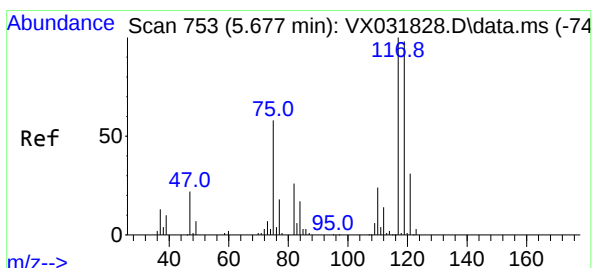
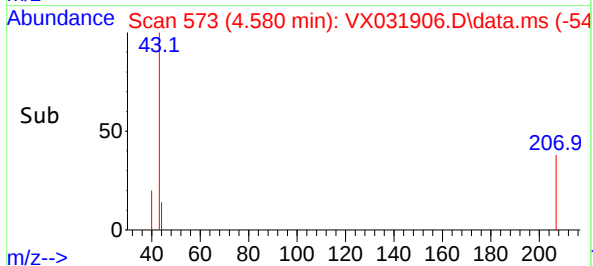
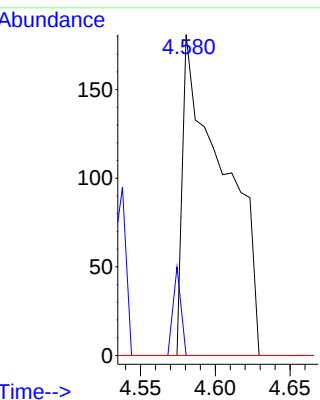
Tgt Ion: 43 Resp: 346

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 0.894 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.006 min

Lab File: VX031906.D

Acq: 05 Oct 2022 19:35

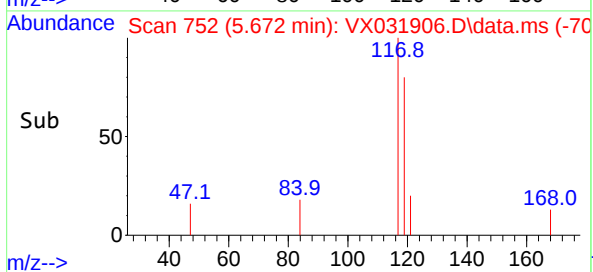
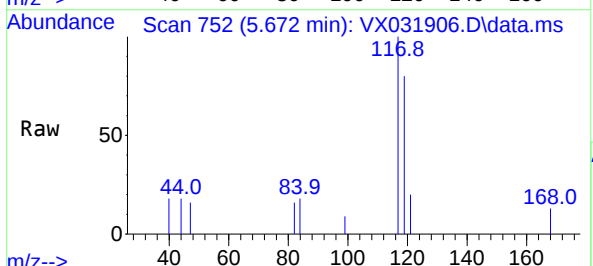
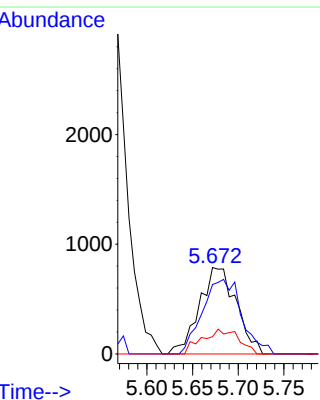
Tgt Ion: 117 Resp: 2220

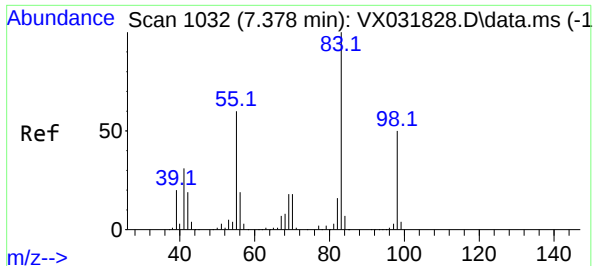
Ion Ratio Lower Upper

117 100

119 80.3 74.6 112.0

121 19.9 25.3 37.9#





#39

Methylcyclohexane

Concen: 1.549 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.250 min

Lab File: VX031906.D

Acq: 05 Oct 2022 19:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW5-GW-778-780

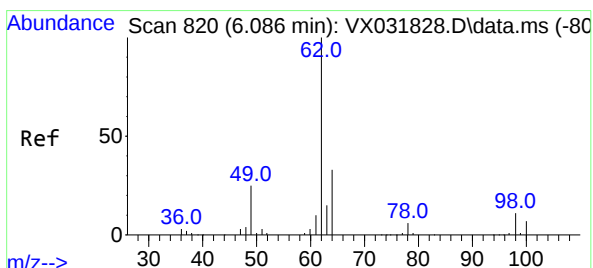
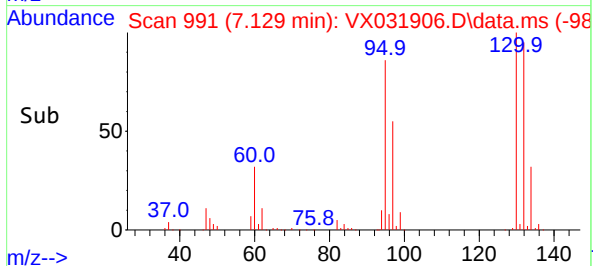
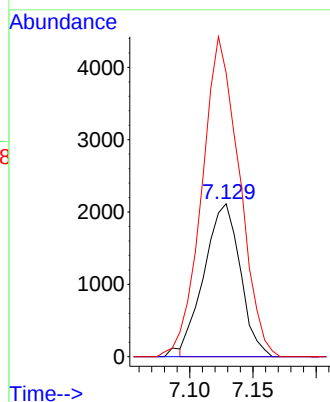
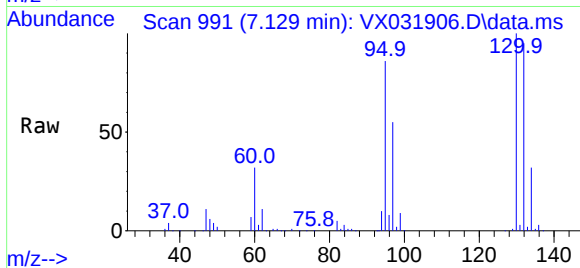
Tgt Ion: 83 Resp: 4183

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.4#

98 185.5 37.7 56.5#



#42

1,2-Dichloroethane

Concen: 0.249 ug/l

RT: 6.098 min Scan# 822

Delta R.T. 0.012 min

Lab File: VX031906.D

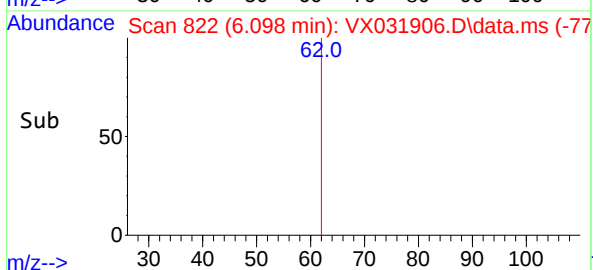
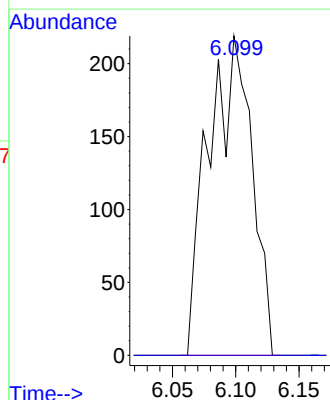
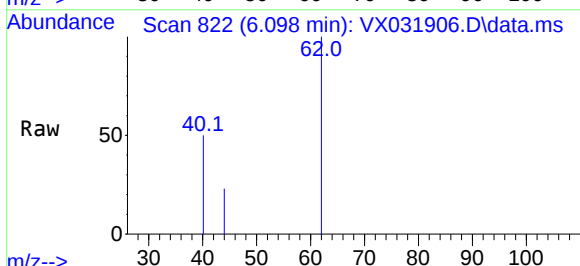
Acq: 05 Oct 2022 19:35

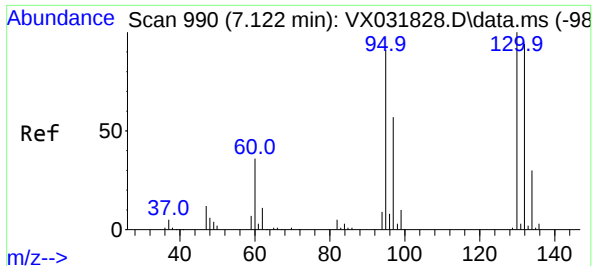
Tgt Ion: 62 Resp: 524

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.8

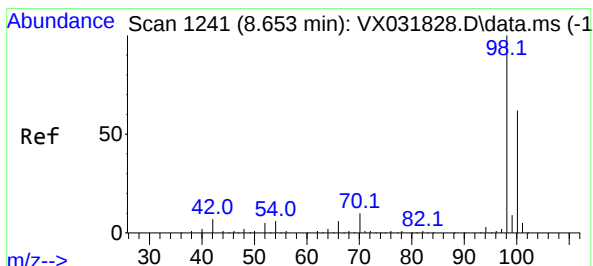
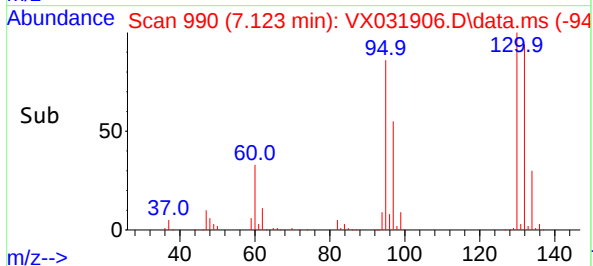
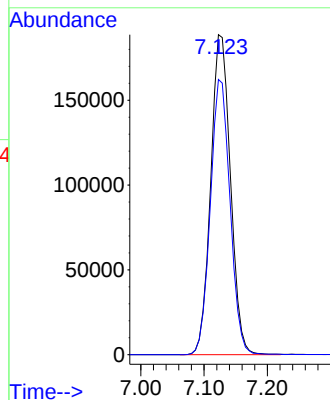
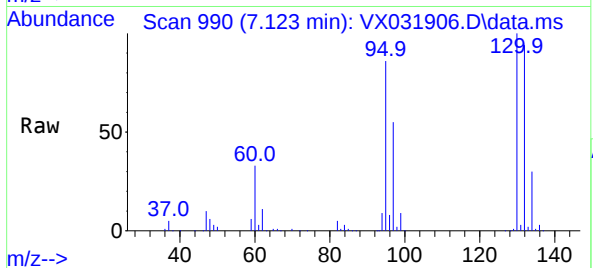




#44
Trichloroethene
Concen: 189.173 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

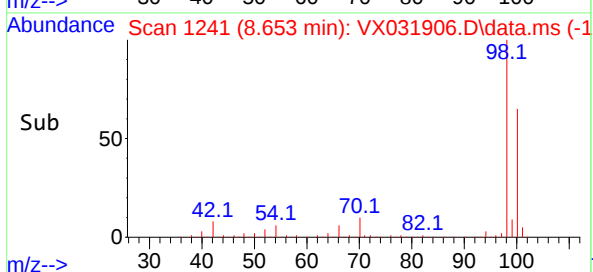
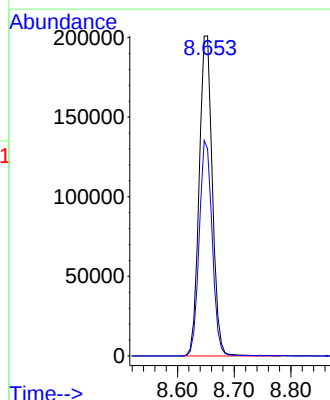
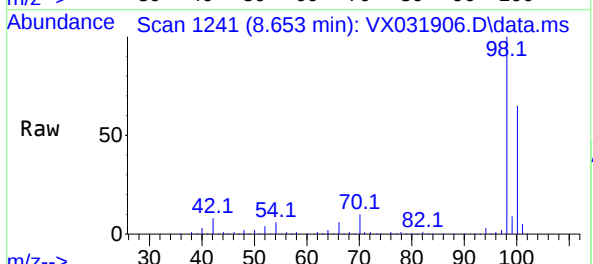
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-778-780

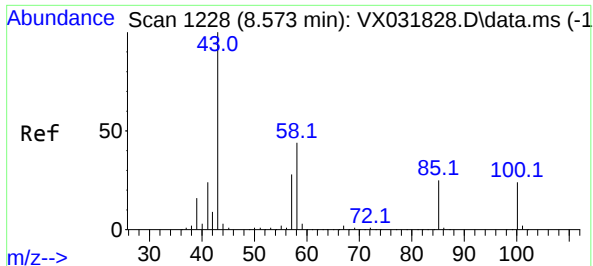
Tgt Ion:130 Resp: 408086
Ion Ratio Lower Upper
130 100
95 86.0 0.0 206.8



#50
Toluene-d8
Concen: 50.327 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

Tgt Ion: 98 Resp: 323739
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7

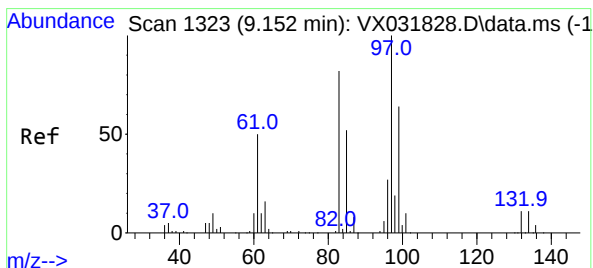
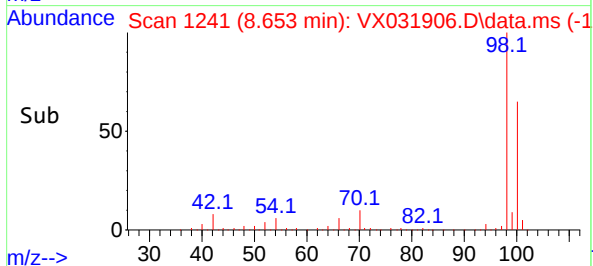
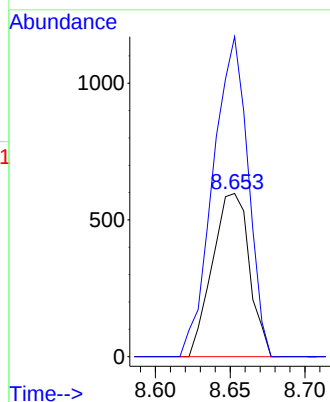
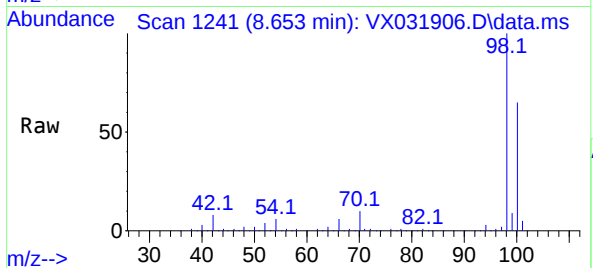




#51
4-Methyl-2-Pentanone
Concen: 0.614 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

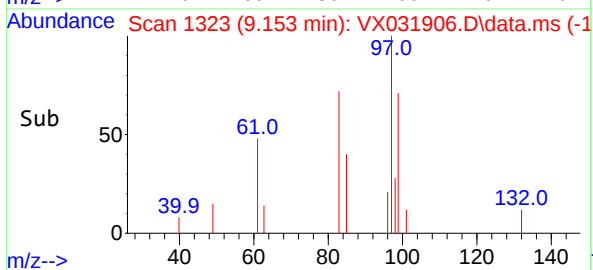
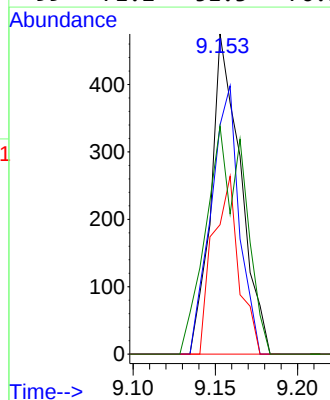
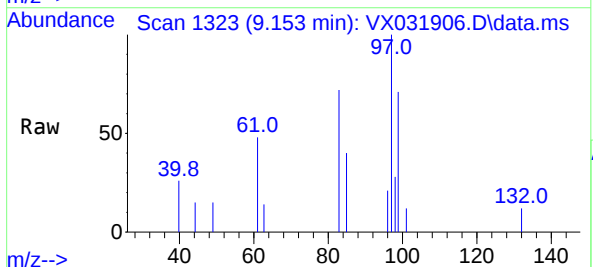
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-778-780

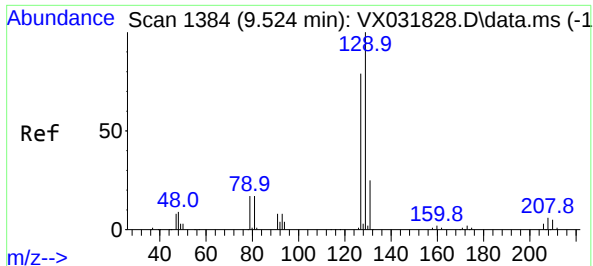
Tgt Ion: 43 Resp: 1026
Ion Ratio Lower Upper
43 100
58 186.2 30.6 46.0#



#55
1,1,2-Trichloroethane
Concen: 0.320 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

Tgt Ion: 97 Resp: 591
Ion Ratio Lower Upper
97 100
83 71.6 69.0 103.6
85 40.4 44.1 66.1#
99 71.2 51.3 76.9

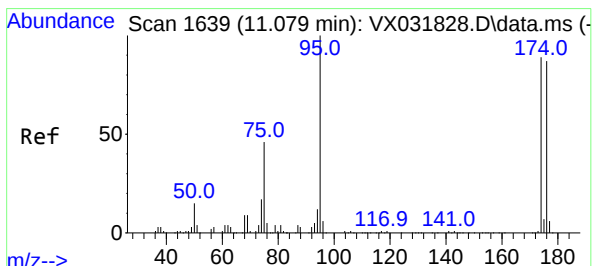
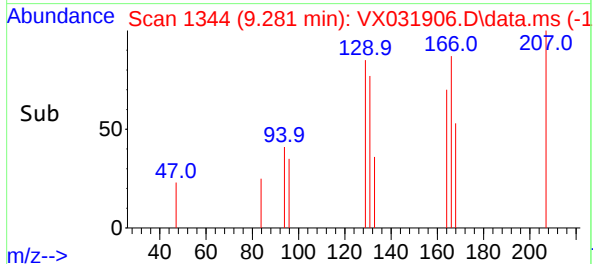
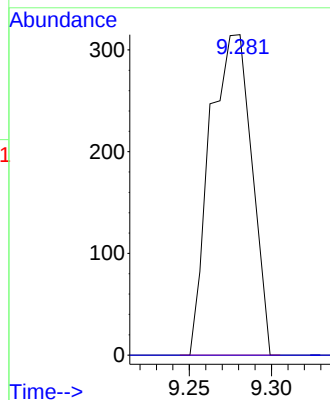
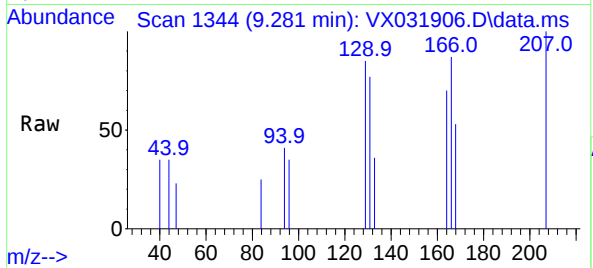




#60
Dibromochloromethane
Concen: 0.300 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

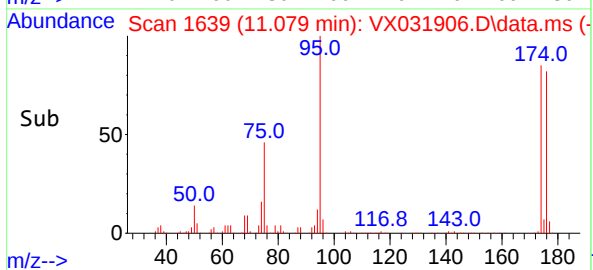
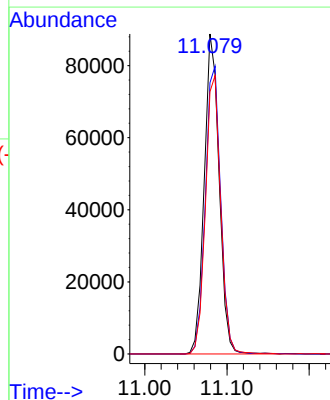
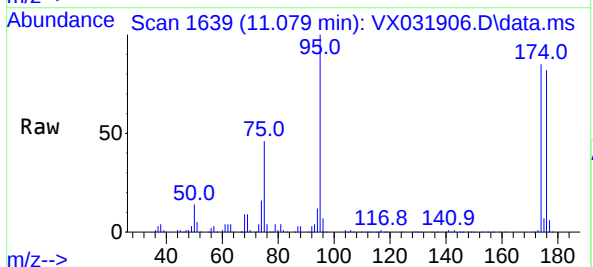
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-778-780

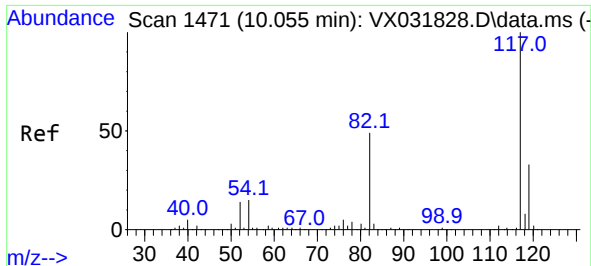
Tgt Ion:129 Resp: 557
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 48.275 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

Tgt Ion: 95 Resp: 111703
Ion Ratio Lower Upper
95 100
174 92.6 0.0 153.2
176 88.9 0.0 144.0

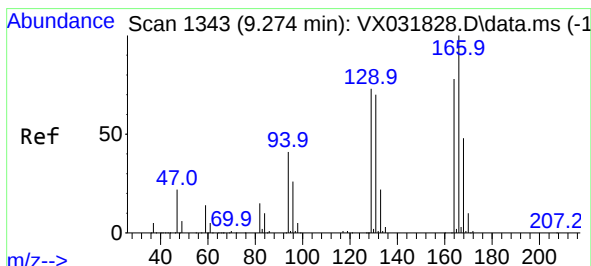
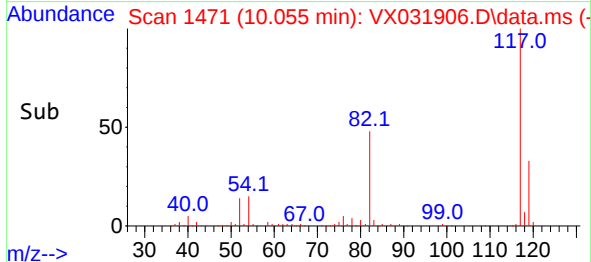
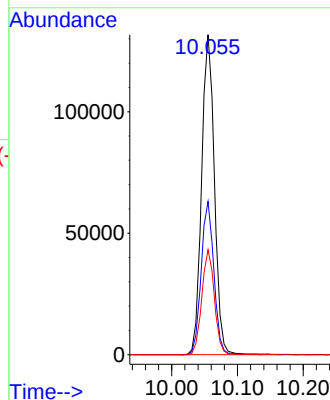
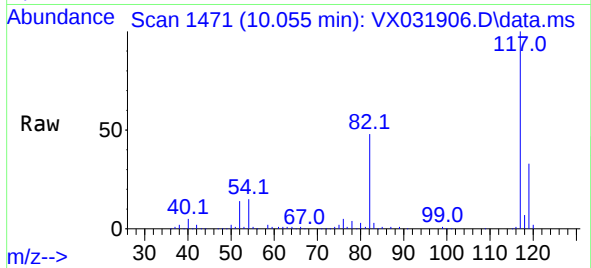




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

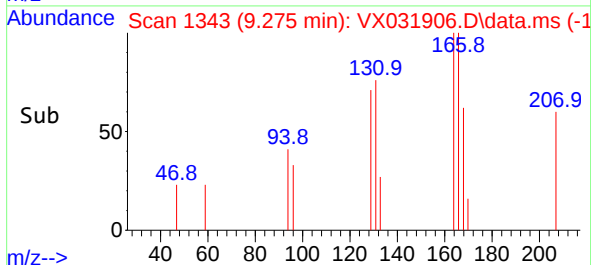
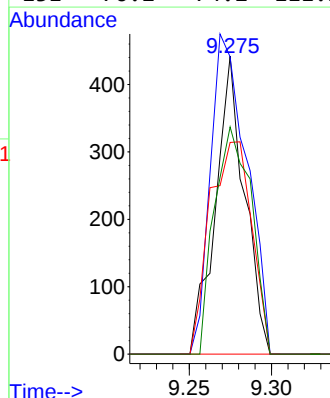
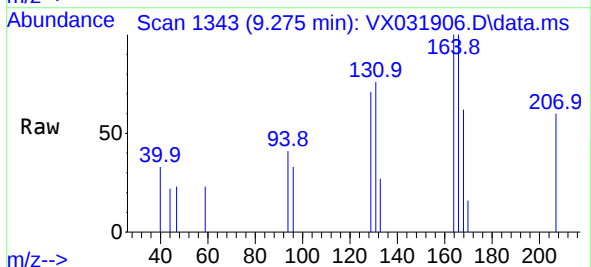
Instrument : MSVOA_X
ClientSampleId : BP-VPB-RW5-GW-778-780

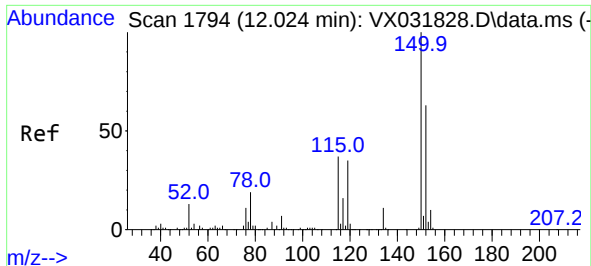
Tgt Ion:117 Resp: 178094
Ion Ratio Lower Upper
117 100
82 47.9 46.8 70.2
119 32.8 26.4 39.6



#64
Tetrachloroethene
Concen: 0.248 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

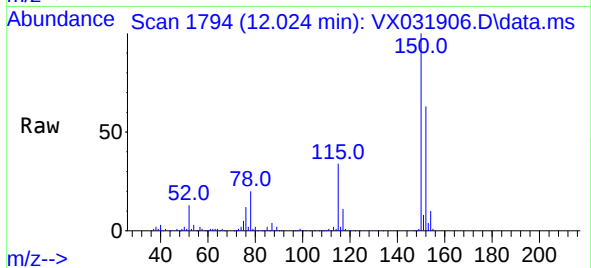
Tgt Ion:164 Resp: 544
Ion Ratio Lower Upper
164 100
166 99.8 99.0 148.4
129 71.0 78.0 117.0#
131 76.2 74.2 111.2



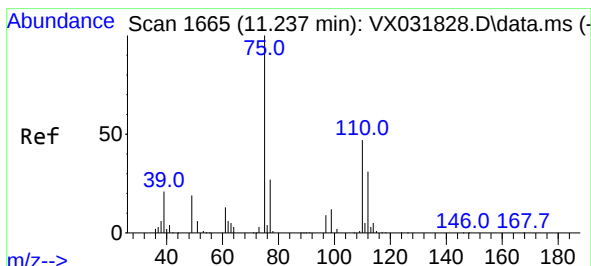
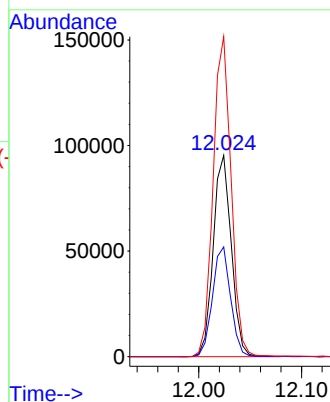
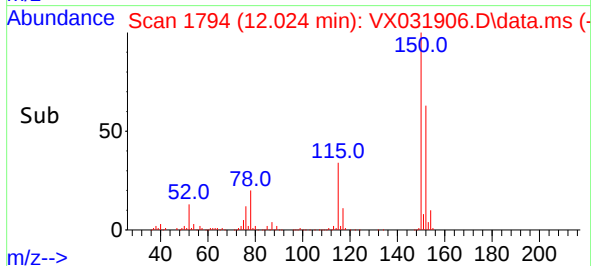


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-778-780

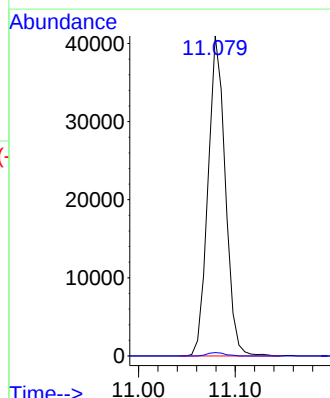
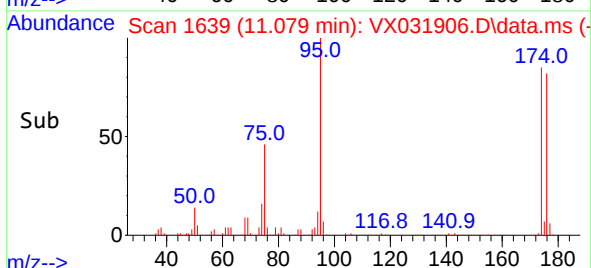
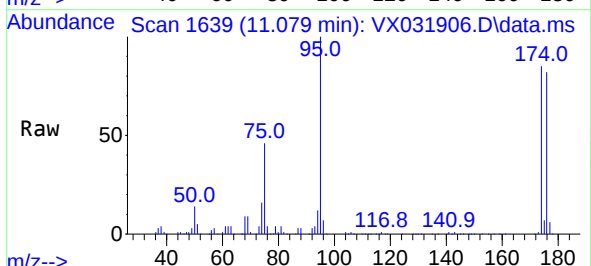


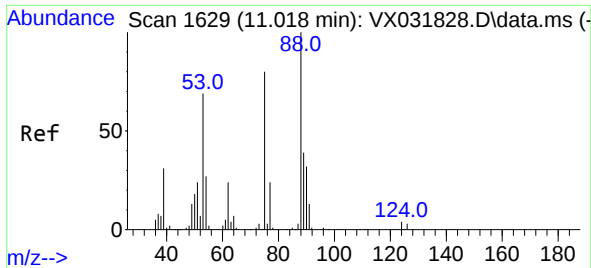
Tgt Ion:152 Resp: 116213
Ion Ratio Lower Upper
152 100
115 54.9 43.4 130.1
150 158.7 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 27.619 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031906.D
Acq: 05 Oct 2022 19:35

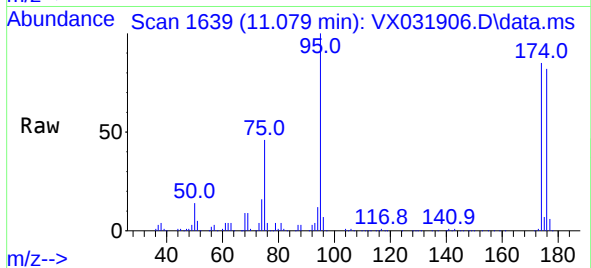
Tgt Ion: 75 Resp: 51033
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.194 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031906.D
 Acq: 05 Oct 2022 19:35

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW5-GW-778-780



Tgt Ion: 75 Resp: 51033
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

