

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100522\
 Data File : VX031904.D
 Acq On : 05 Oct 2022 18:49
 Operator : JC/MD
 Sample : N4983-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW5-GW-743-745

Quant Time: Oct 06 06:48:31 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)

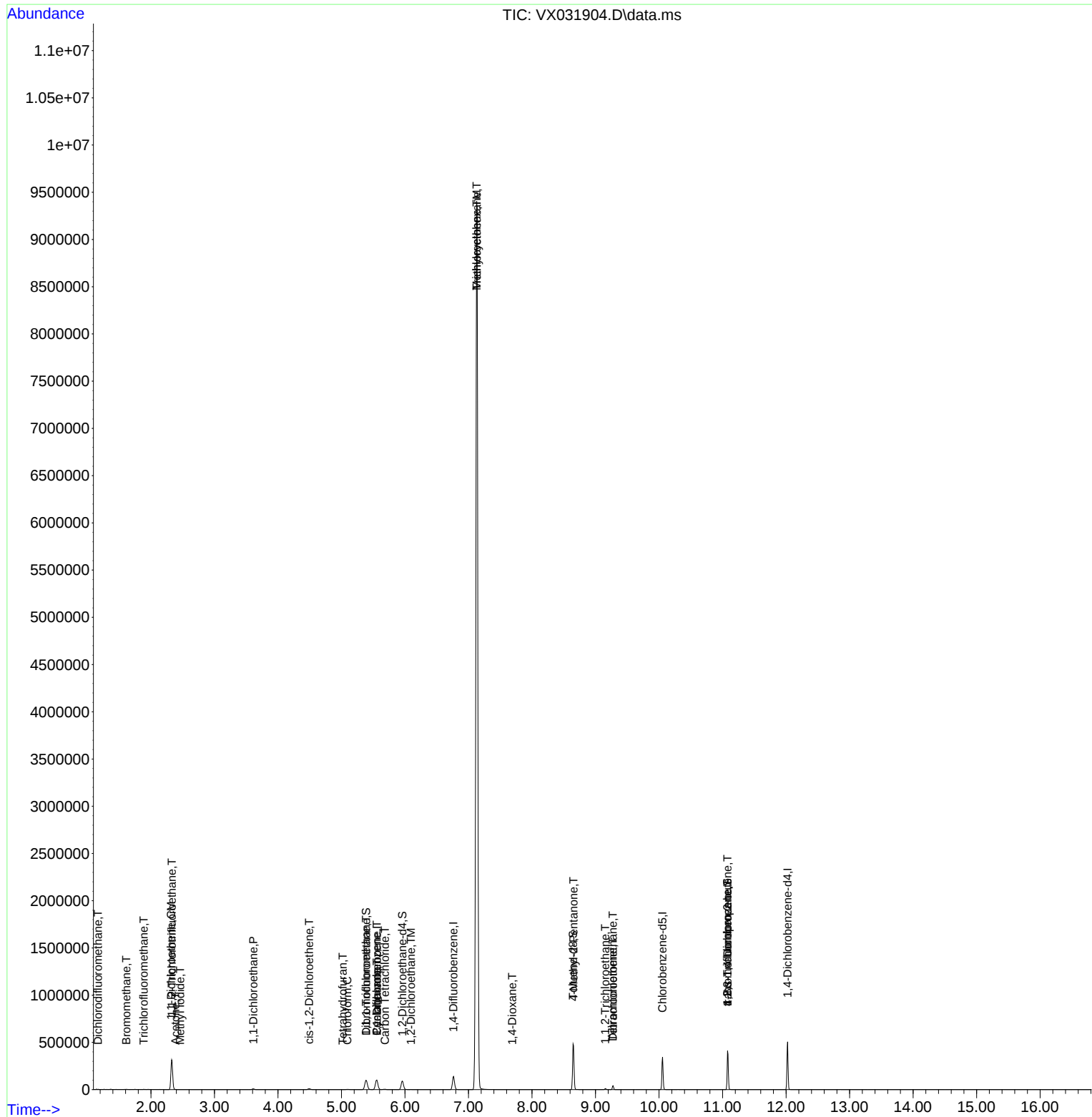
Internal Standards						
1) Pentafluorobenzene	5.556	168	108840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	158023	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	167740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84786	51.720	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.440%	
35) Dibromofluoromethane	5.385	113	82501	47.718	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.440%	
50) Toluene-d8	8.647	98	303956	49.632	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.260%	
62) 4-Bromofluorobenzene	11.079	95	104641	47.501	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	478	0.379	ug/l	94
5) Bromomethane	1.611	94	628	0.468	ug/l #	65
6) Chloroethane	1.648	64	75	Below Cal	#	43
7) Trichlorofluoromethane	1.886	101	1095	0.367	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	94868	65.694	ug/l #	84
10) Methyl Iodide	2.459	142	168	3.191	ug/l #	52
11) Tert butyl alcohol	2.953	59	64	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	36754	26.875	ug/l #	77
16) Acetone	2.386	43	1952	4.111	ug/l #	82
24) 1,1-Dichloroethane	3.611	63	9966	4.377	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	7245	4.039	ug/l	70
29) Tetrahydrofuran	5.019	42	206	0.438	ug/l #	32
30) Chloroform	5.093	83	3563	1.276	ug/l	95
31) Cyclohexane	5.556	56	1721	0.909	ug/l #	14
32) 1,1,1-Trichloroethane	5.385	97	4417	1.797	ug/l	95
36) 1,1-Dichloropropene	5.556	75	6412	3.195	ug/l #	47
38) Carbon Tetrachloride	5.684	117	3948	1.671	ug/l	88
39) Methylcyclohexane	7.129	83	40715	15.834	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	1349	0.673	ug/l	86
44) Trichloroethene	7.129	130	3931973	1914.540	ug/l	83
49) 1,4-Dioxane	7.690	88	834	21.935	ug/l #	56
51) 4-Methyl-2-Pentanone	8.653	43	942	0.592	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	3096	1.762	ug/l	98
60) Dibromochloromethane	9.275	129	7603	4.300	ug/l #	11
64) Tetrachloroethene	9.275	164	8206	3.977	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	48906	27.238	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	48906	89.994	ug/l #	11

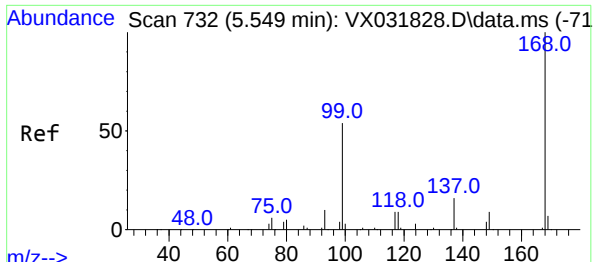
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100522\
Data File : VX031904.D
Acq On : 05 Oct 2022 18:49
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-743-745

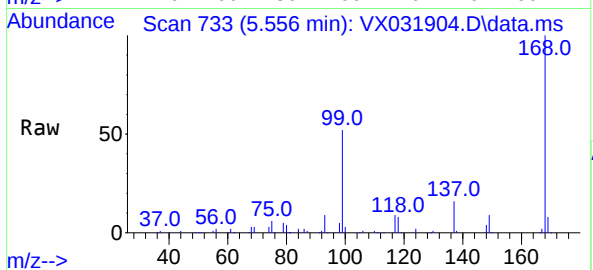
Quant Time: Oct 06 06:48:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100522W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 05 12:20:53 2022
Response via : Initial Calibration



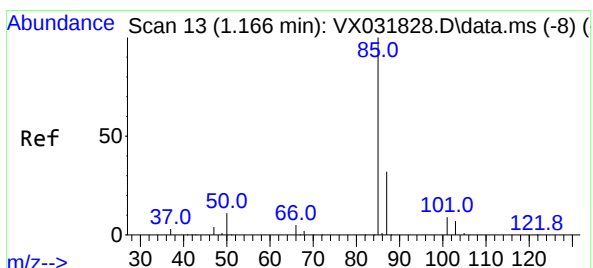
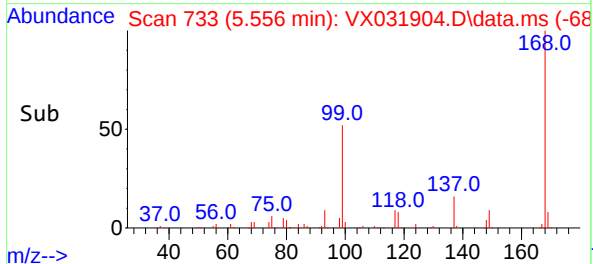
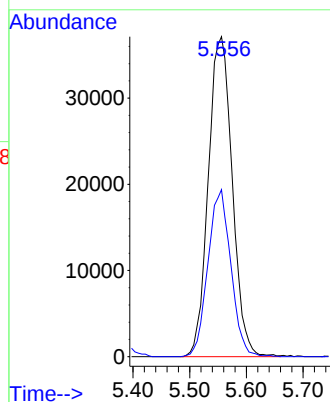


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-743-745

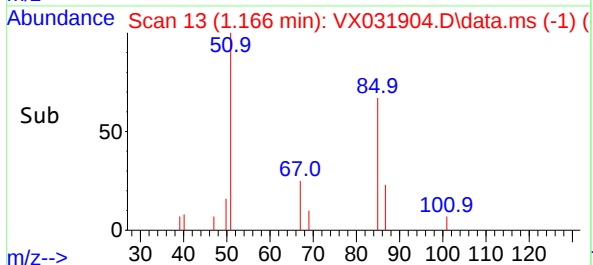
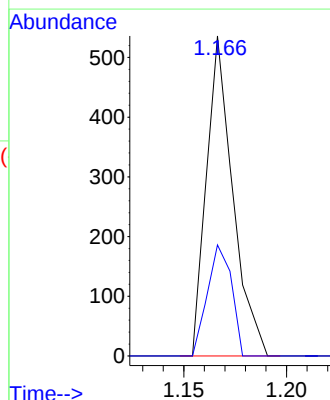
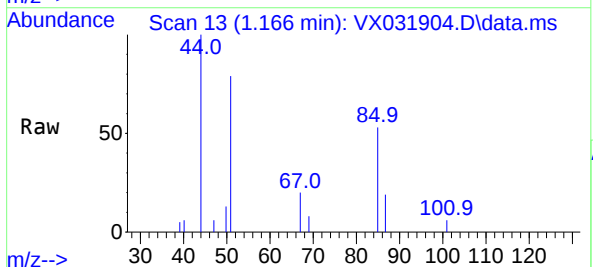


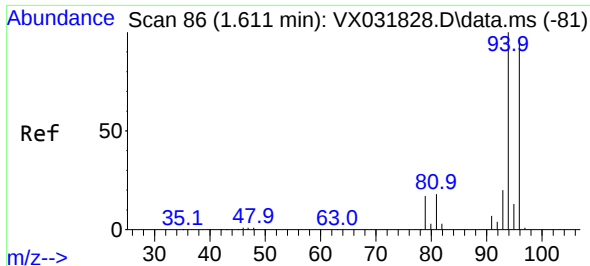
Tgt Ion:168 Resp: 108840
Ion Ratio Lower Upper
168 100
99 52.2 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.379 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Tgt Ion: 85 Resp: 478
Ion Ratio Lower Upper
85 100
87 34.7 15.8 47.4

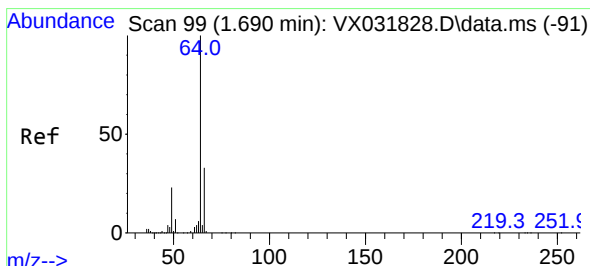
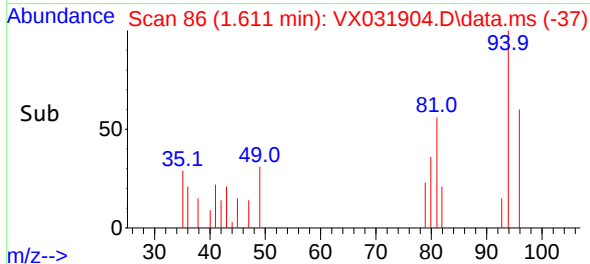
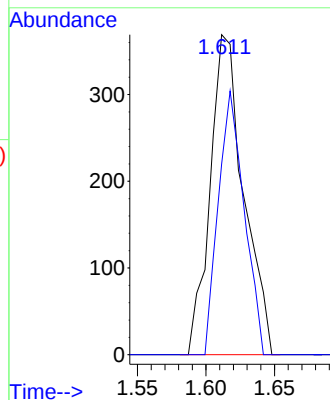
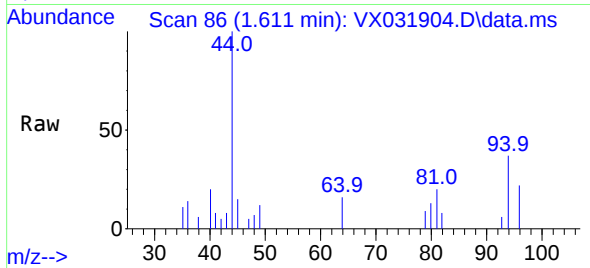




#5
Bromomethane
Concen: 0.468 ug/l
RT: 1.611 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

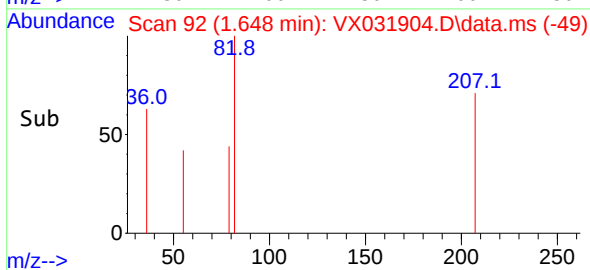
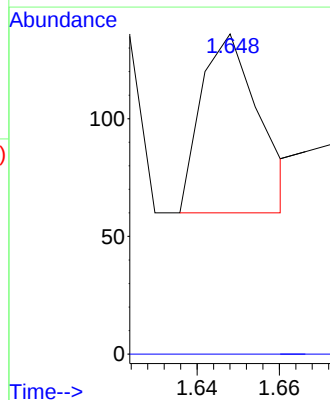
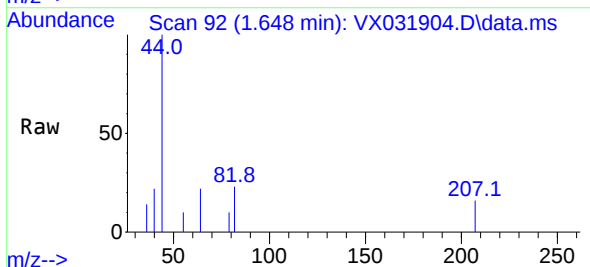
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-743-745

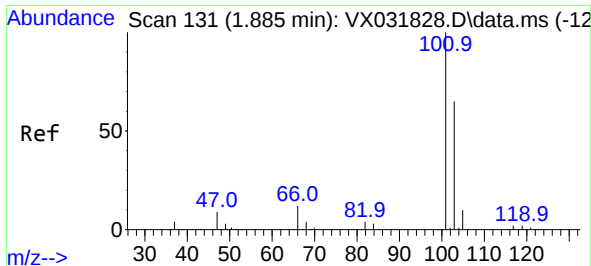
Tgt Ion: 94 Resp: 628
Ion Ratio Lower Upper
94 100
96 59.6 74.4 111.6#



#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 92
Delta R.T. -0.037 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Tgt Ion: 64 Resp: 75
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

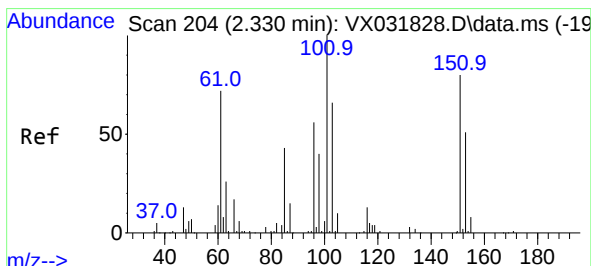
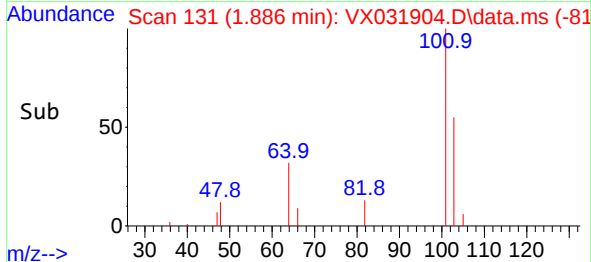
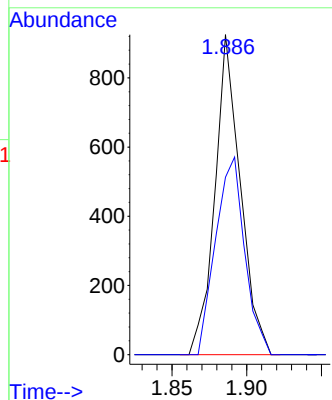
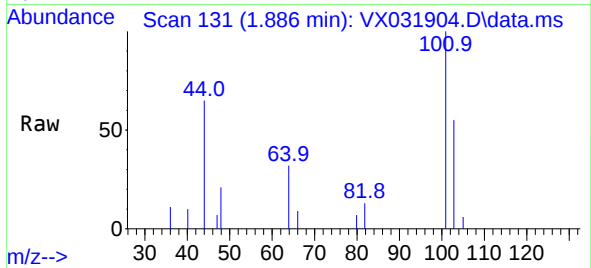




#7
 Trichlorofluoromethane
 Concen: 0.367 ug/l
 RT: 1.886 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX031904.D
 Acq: 05 Oct 2022 18:49

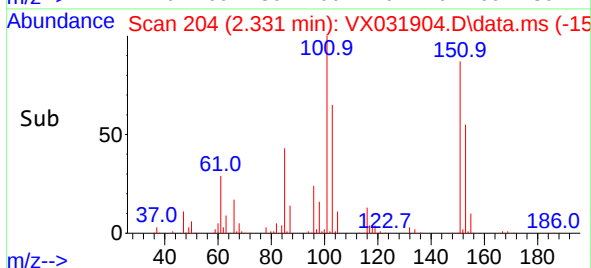
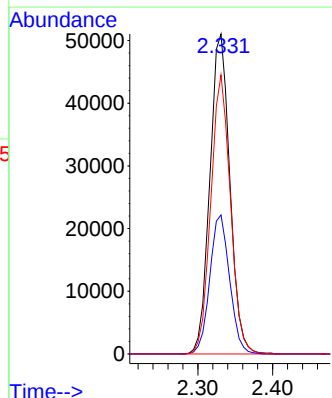
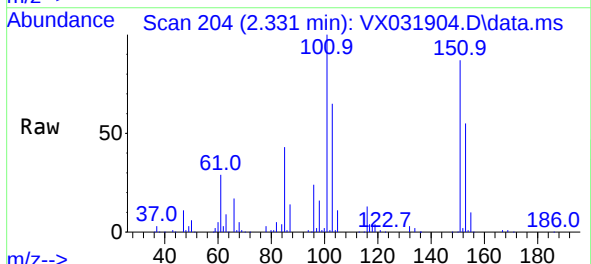
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW5-GW-743-745

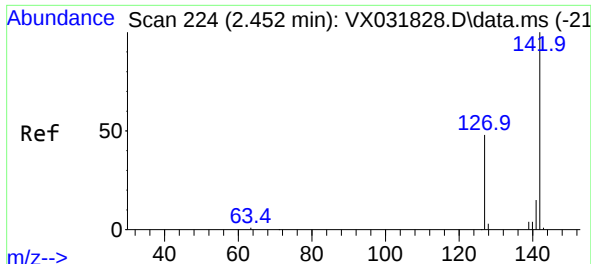
Tgt Ion:101 Resp: 1095
 Ion Ratio Lower Upper
 101 100
 103 55.5 51.8 77.6



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 65.694 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX031904.D
 Acq: 05 Oct 2022 18:49

Tgt Ion:101 Resp: 94868
 Ion Ratio Lower Upper
 101 100
 85 43.0 38.6 57.8
 151 85.5 54.0 81.0#

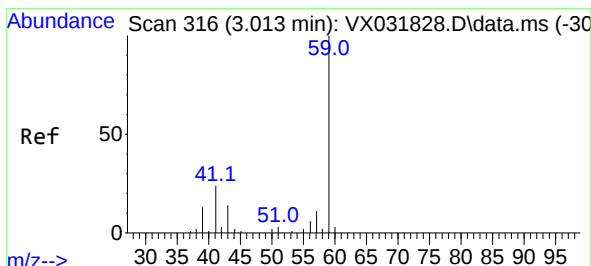
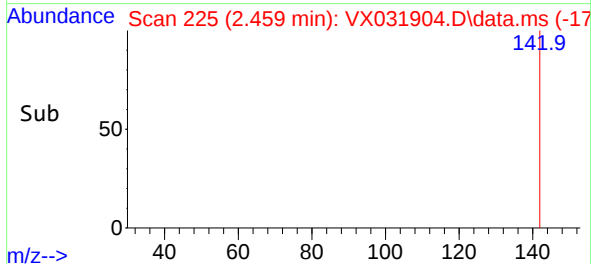
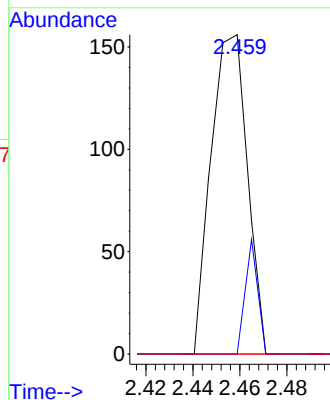
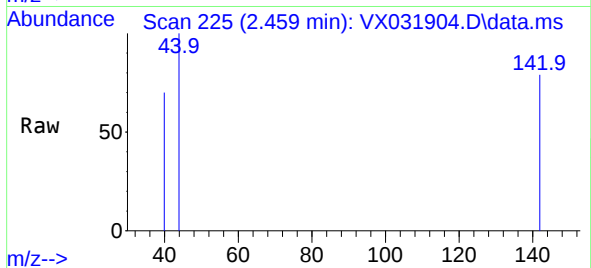




#10
Methyl Iodide
Concen: 3.191 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

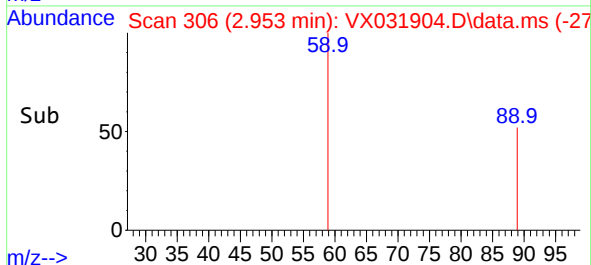
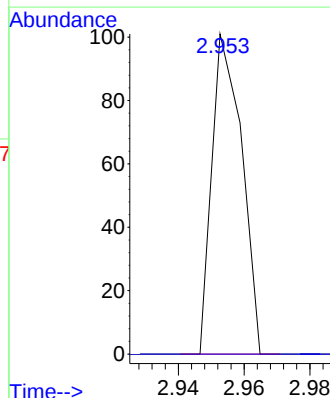
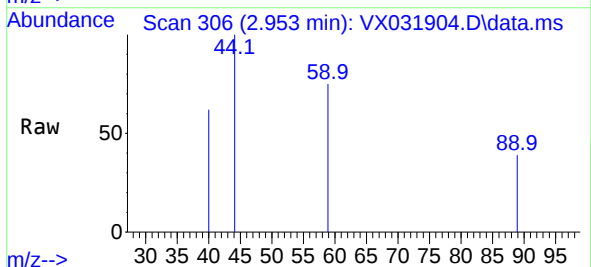
Instrument :
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ClientSampleId :
BP-VPB-RW5-GW-743-745

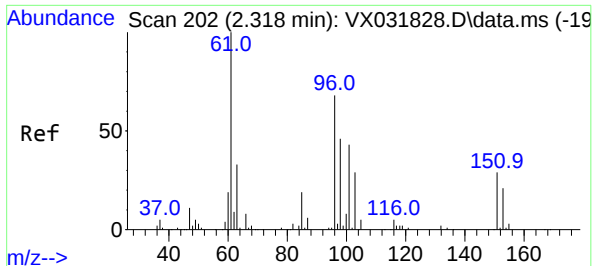
Tgt Ion:142 Resp: 168
Ion Ratio Lower Upper
142 100
127 11.9 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.128 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

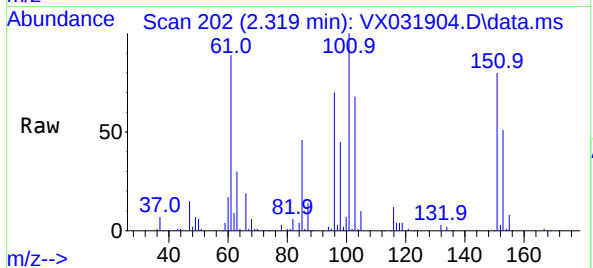
Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



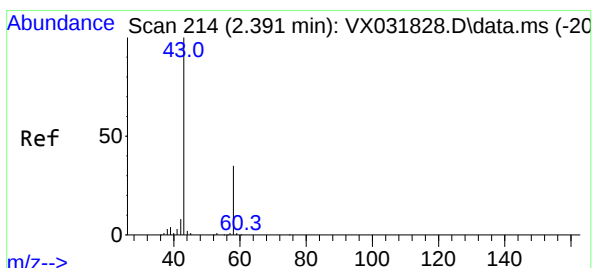
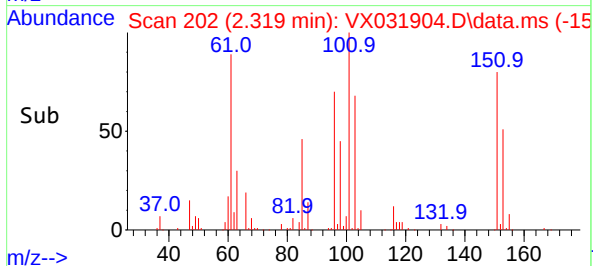
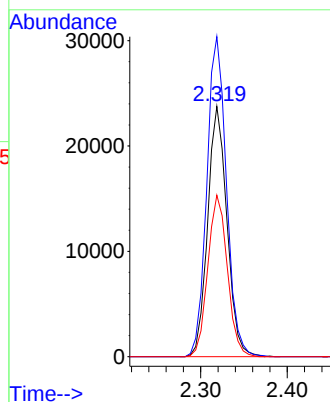


#12
1,1-Dichloroethene
Concen: 26.875 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-743-745

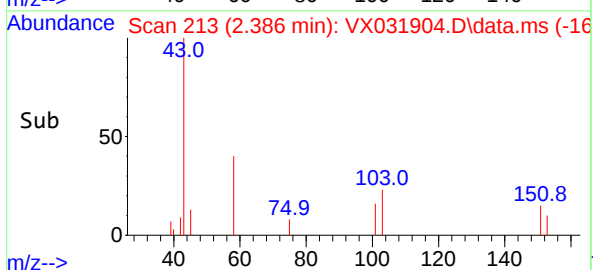
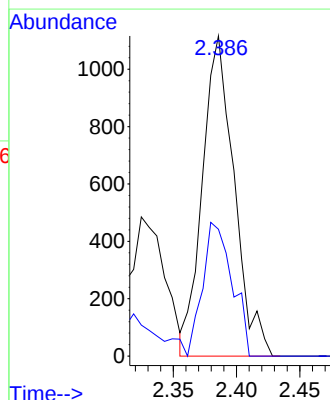
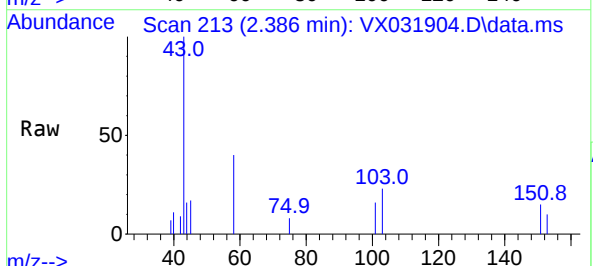


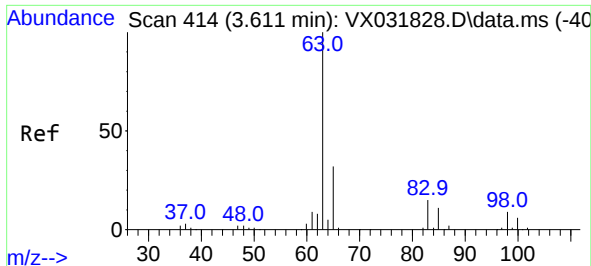
Tgt Ion: 96 Resp: 36754
Ion Ratio Lower Upper
96 100
61 127.8 135.3 202.9#
98 64.5 49.4 74.2



#16
Acetone
Concen: 4.111 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Tgt Ion: 43 Resp: 1952
Ion Ratio Lower Upper
43 100
58 39.6 23.8 35.8#

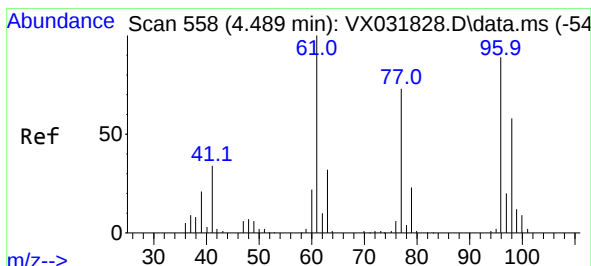
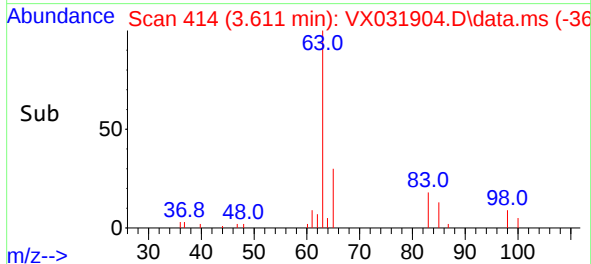
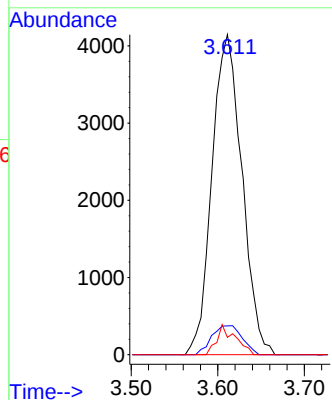
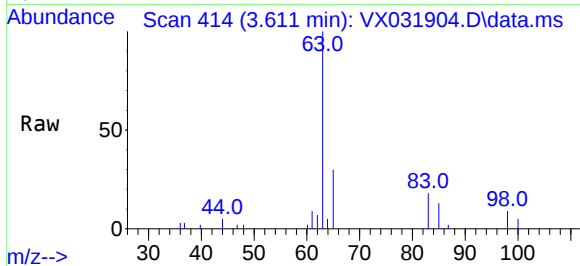




#24
1,1-Dichloroethane
Concen: 4.377 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

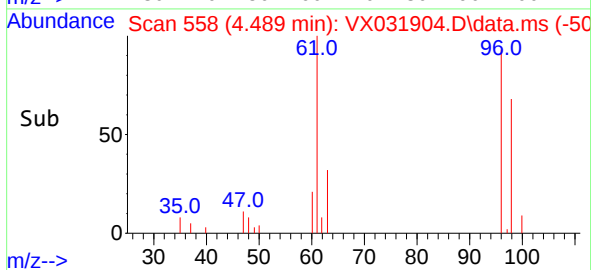
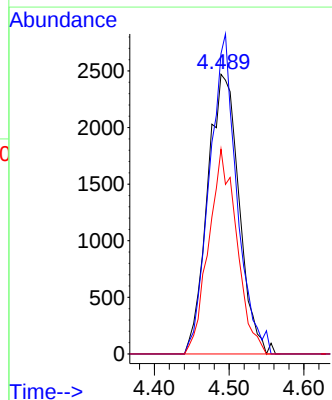
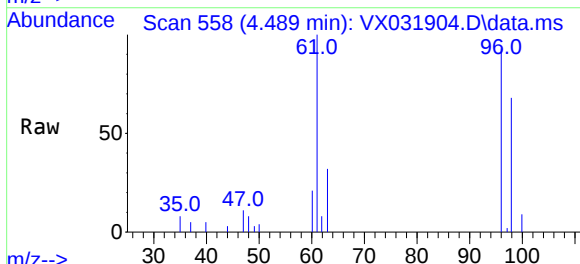
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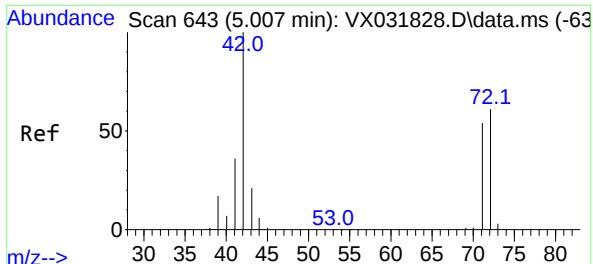
Tgt Ion:	63	Resp:	9966
Ion	Ratio	Lower	Upper
63	100		
98	9.0	3.5	10.4
100	5.4	2.4	7.2



#27
cis-1,2-Dichloroethene
Concen: 4.039 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Tgt Ion:	96	Resp:	7245
Ion	Ratio	Lower	Upper
96	100		
61	99.3	0.0	305.2
98	65.3	0.0	128.4





#29

Tetrahydrofuran

Concen: 0.438 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX031904.D

Acq: 05 Oct 2022 18:49

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW5-GW-743-745

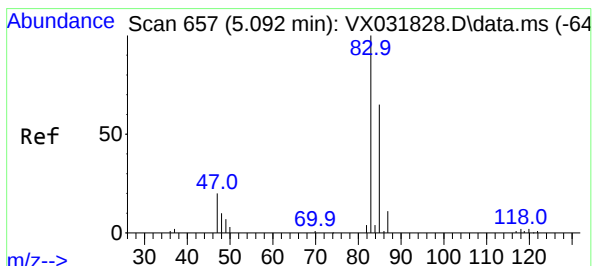
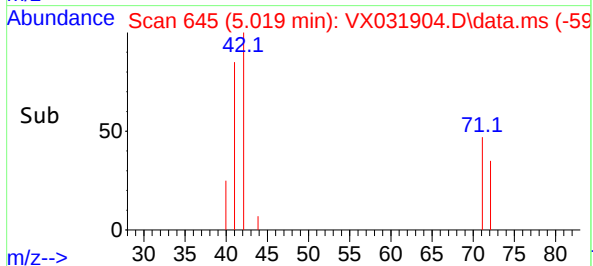
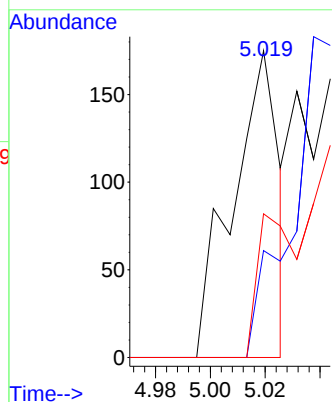
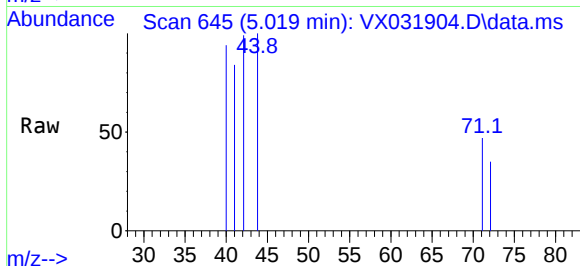
Tgt Ion: 42 Resp: 206

Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

71 0.0 33.5 50.3#



#30

Chloroform

Concen: 1.276 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.001 min

Lab File: VX031904.D

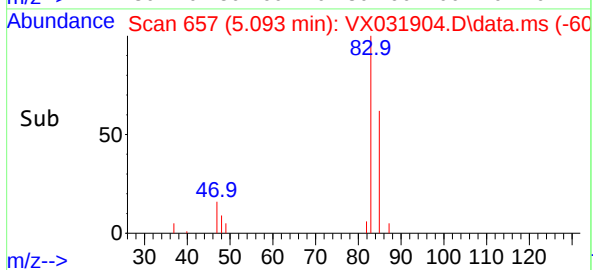
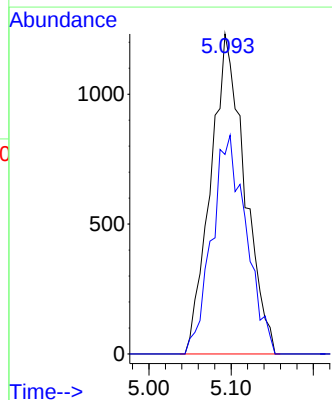
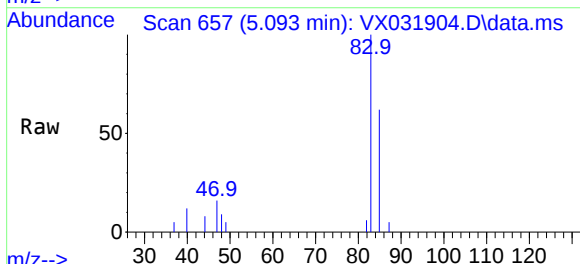
Acq: 05 Oct 2022 18:49

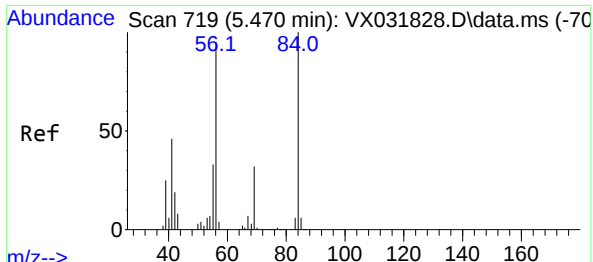
Tgt Ion: 83 Resp: 3563

Ion Ratio Lower Upper

83 100

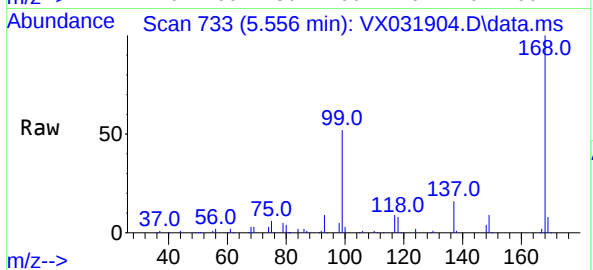
85 62.3 52.8 79.2



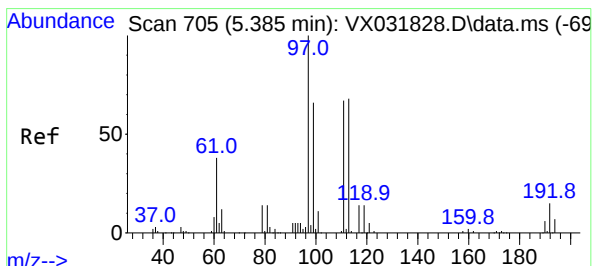
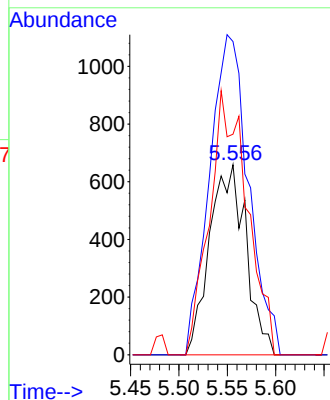
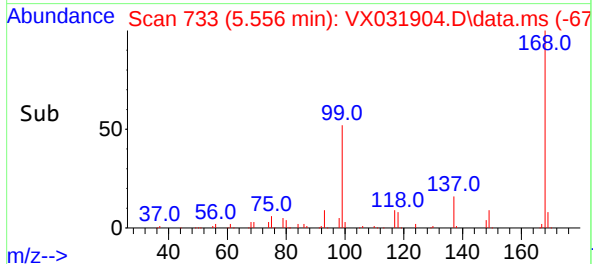


#31
Cyclohexane
Concen: 0.909 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

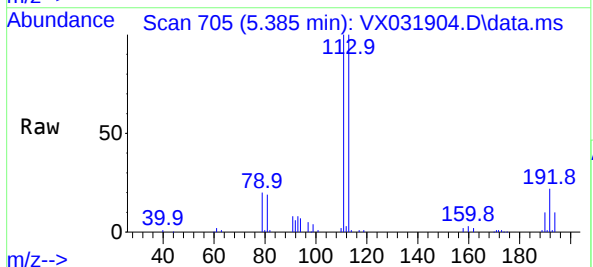
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-743-745



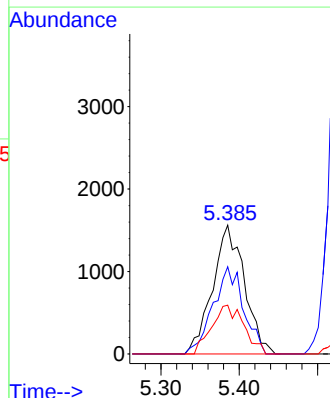
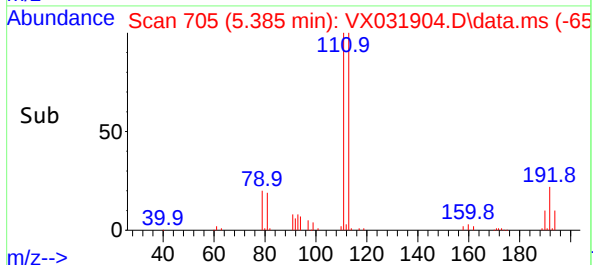
Tgt Ion: 56 Resp: 1721
Ion Ratio Lower Upper
56 100
69 164.8 25.1 37.7#
84 116.1 70.2 105.4#

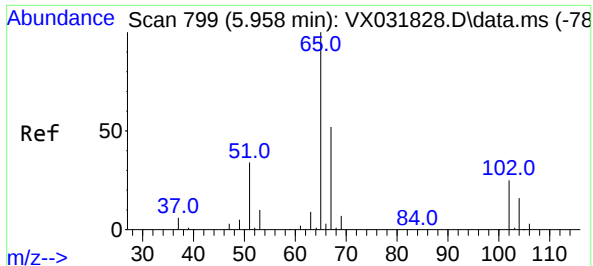


#32
1,1,1-Trichloroethane
Concen: 1.797 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49



Tgt Ion: 97 Resp: 4417
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 38.3 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 51.720 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX031904.D

Acq: 05 Oct 2022 18:49

Instrument :

MSVOA_X

ClientSampleId :

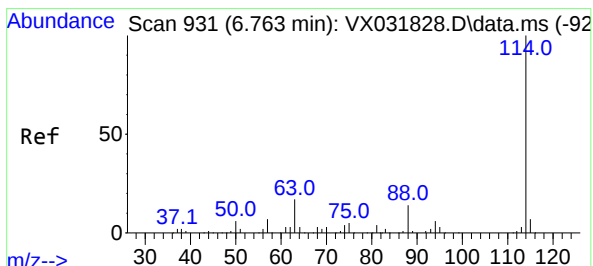
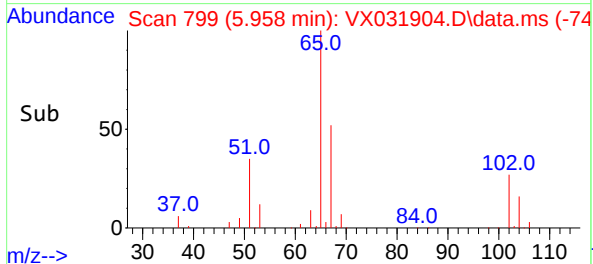
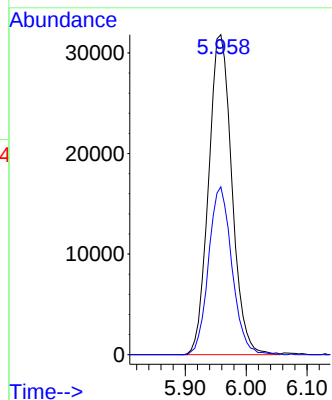
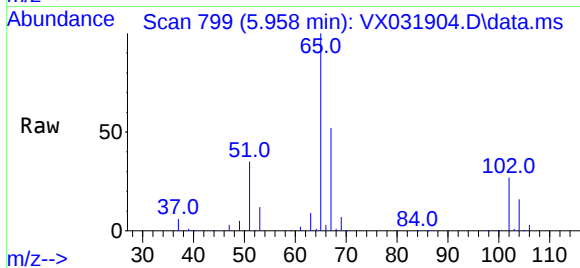
BP-VPB-RW5-GW-743-745

Tgt Ion: 65 Resp: 84786

Ion Ratio Lower Upper

65 100

67 52.5 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: VX031904.D

Acq: 05 Oct 2022 18:49

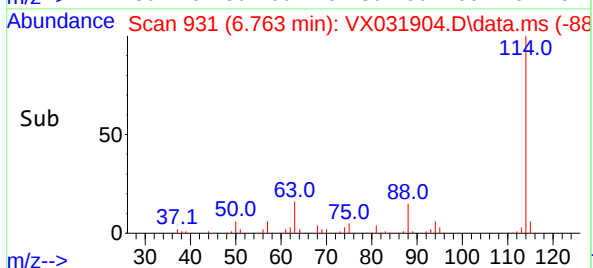
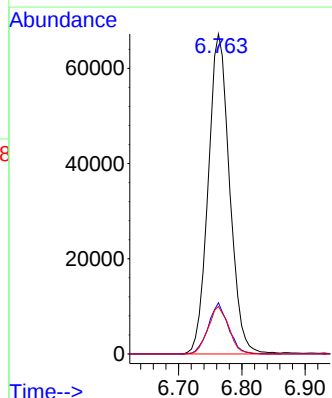
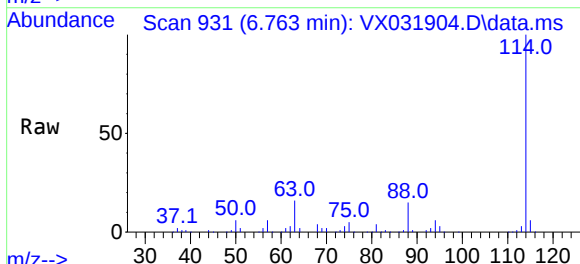
Tgt Ion: 114 Resp: 158023

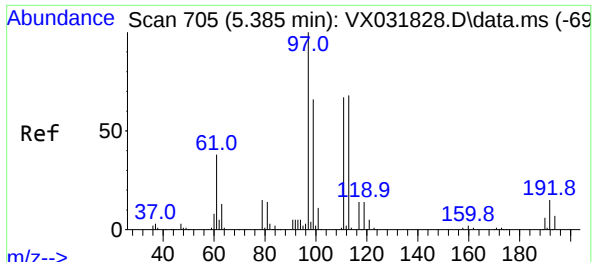
Ion Ratio Lower Upper

114 100

63 16.0 0.0 42.6

88 14.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.718 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX031904.D

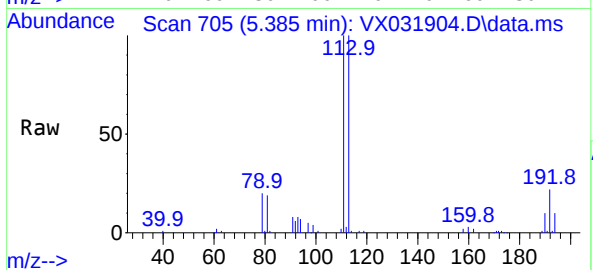
Acq: 05 Oct 2022 18:49

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW5-GW-743-745



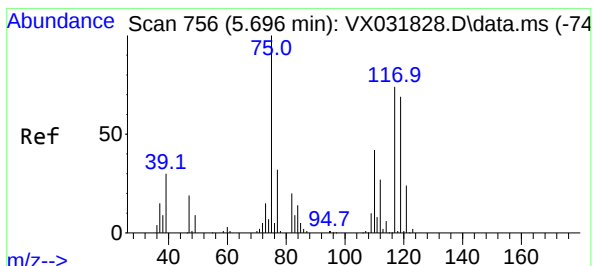
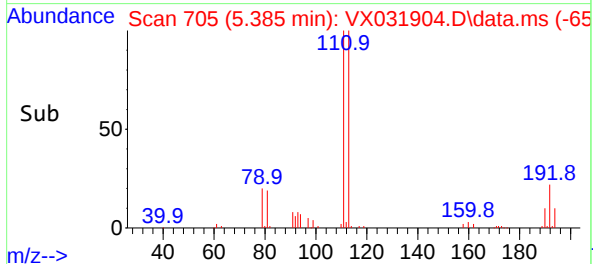
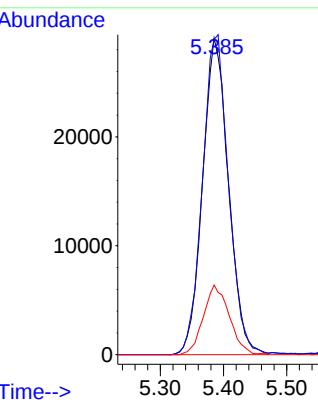
Tgt Ion:113 Resp: 82501

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

192 22.0 14.1 21.1#



#36

1,1-Dichloropropene

Concen: 3.195 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031904.D

Acq: 05 Oct 2022 18:49

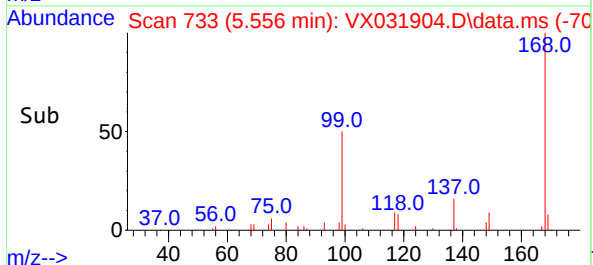
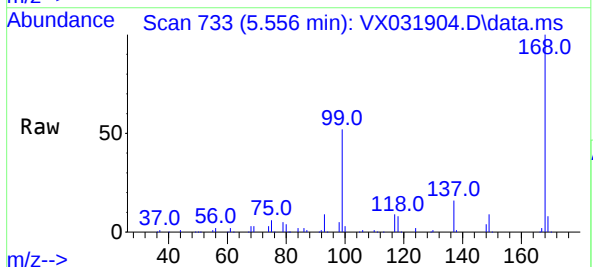
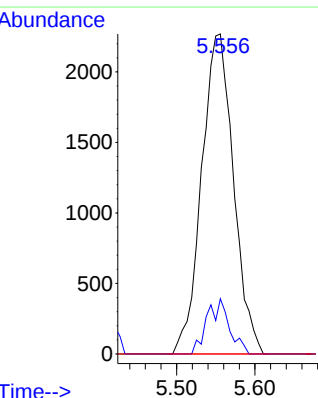
Tgt Ion: 75 Resp: 6412

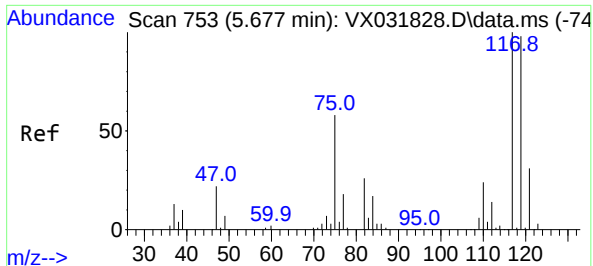
Ion Ratio Lower Upper

75 100

110 5.8 17.5 52.5#

77 0.0 24.9 37.3#

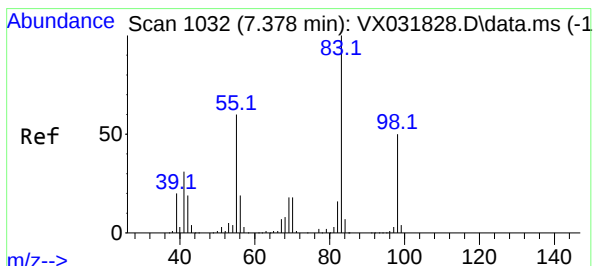
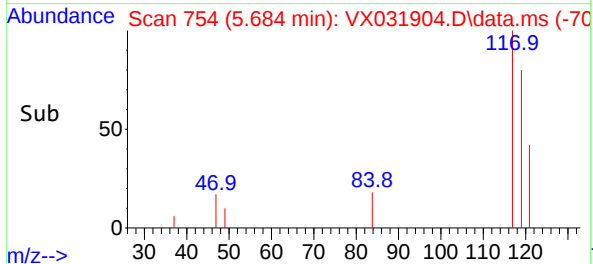
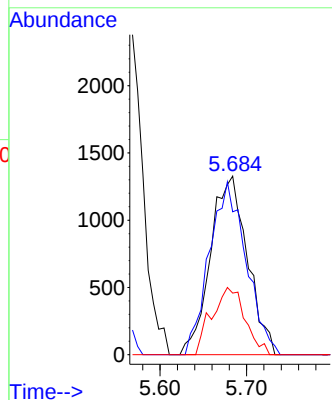
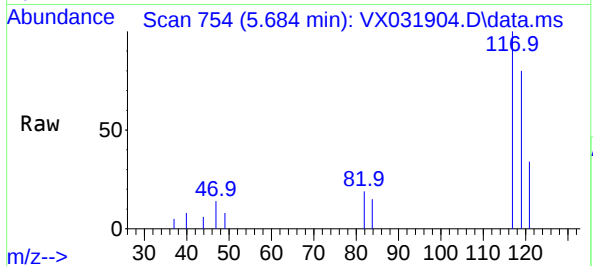




#38
Carbon Tetrachloride
Concen: 1.671 ug/l
RT: 5.684 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

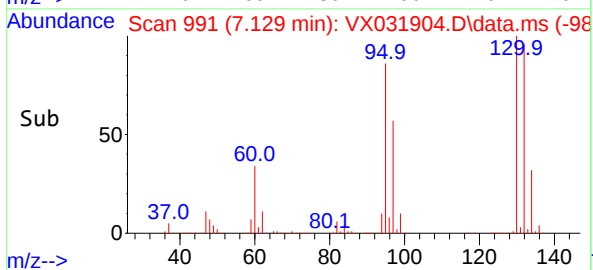
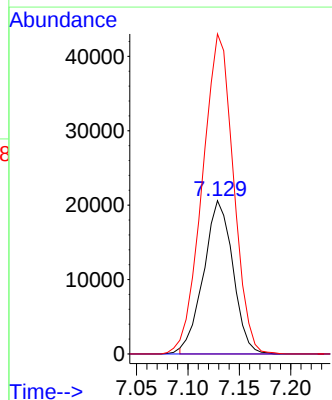
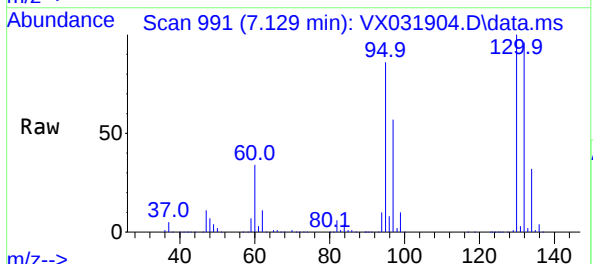
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-743-745

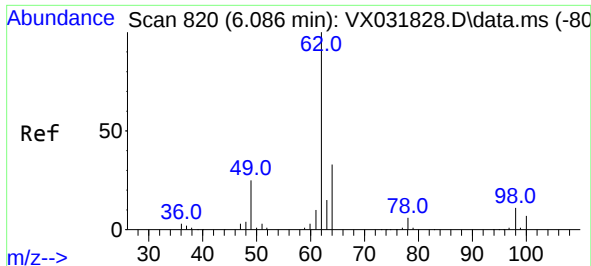
Tgt Ion:117 Resp: 3948
Ion Ratio Lower Upper
117 100
119 80.0 74.6 112.0
121 34.5 25.3 37.9



#39
Methylcyclohexane
Concen: 15.834 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Tgt Ion: 83 Resp: 40715
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.4#
98 208.6 37.7 56.5#





#42

1,2-Dichloroethane

Concen: 0.673 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX031904.D

Acq: 05 Oct 2022 18:49

Instrument :

MSVOA_X

ClientSampleId :

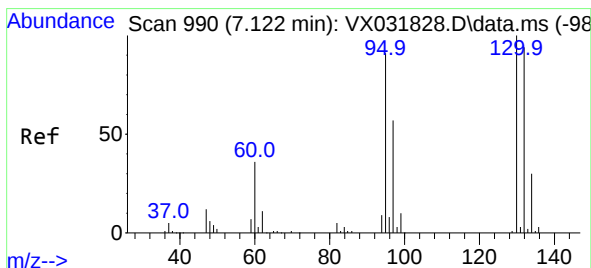
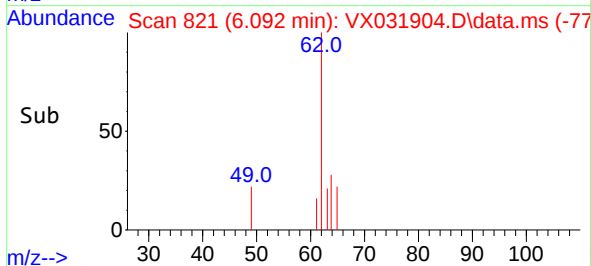
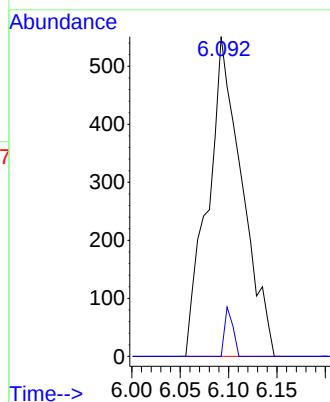
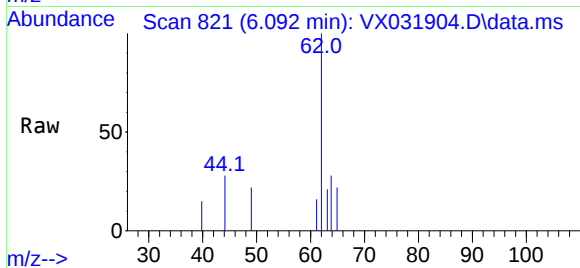
BP-VPB-RW5-GW-743-745

Tgt Ion: 62 Resp: 1349

Ion Ratio Lower Upper

62 100

98 3.7 0.0 17.8



#44

Trichloroethene

Concen: 1914.540 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX031904.D

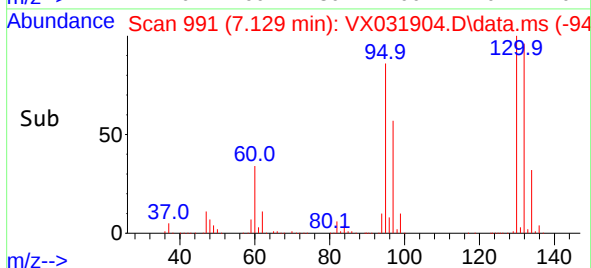
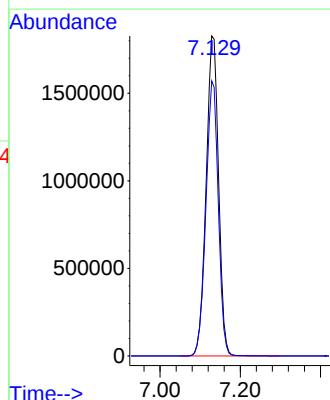
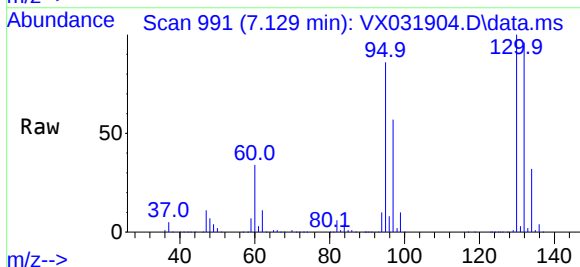
Acq: 05 Oct 2022 18:49

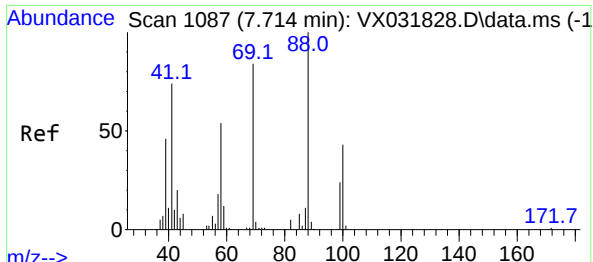
Tgt Ion:130 Resp: 3931973

Ion Ratio Lower Upper

130 100

95 85.9 0.0 206.8

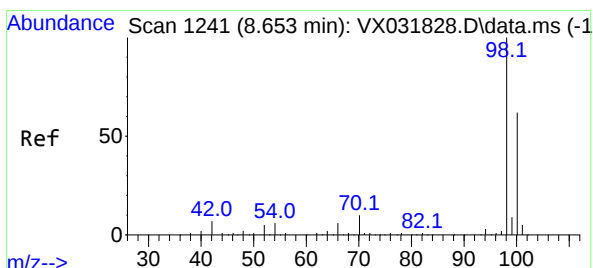
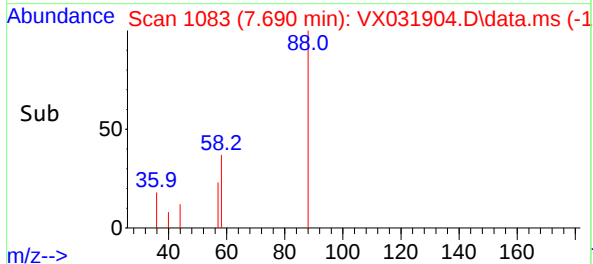
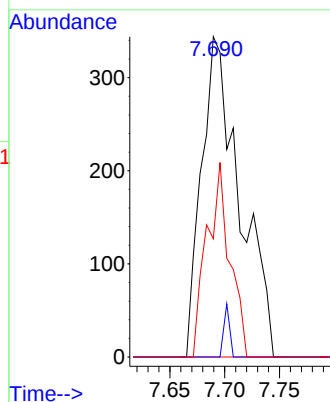
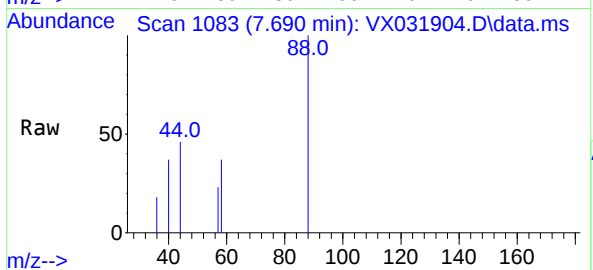




#49
1,4-Dioxane
Concen: 21.935 ug/l
RT: 7.690 min Scan# 1087
Delta R.T. -0.024 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

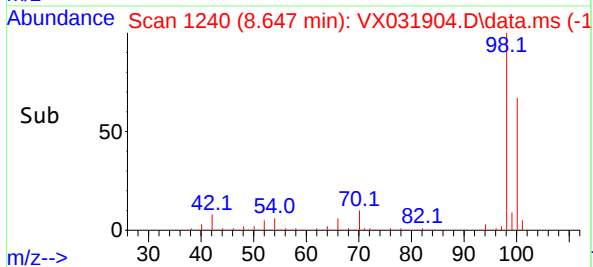
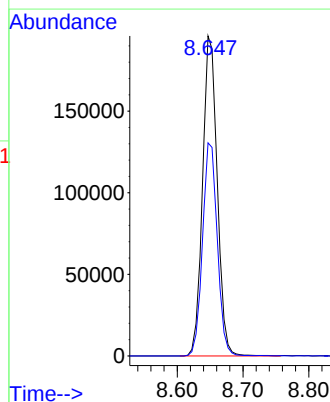
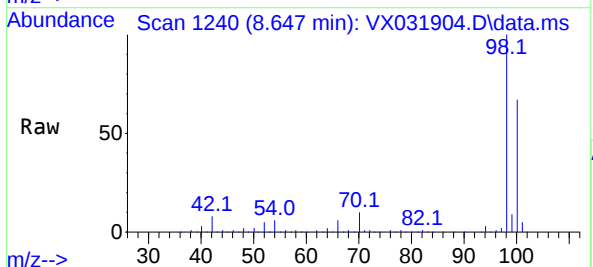
Instrument : MSVOA_X
ClientSampleId : BP-VPB-RW5-GW-743-745

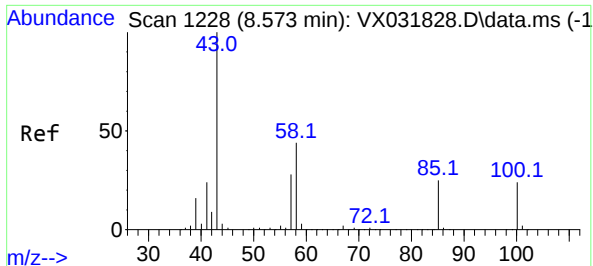
Tgt Ion: 88 Resp: 834
Ion Ratio Lower Upper
88 100
43 2.5 27.1 40.7#
58 36.3 53.9 80.9#



#50
Toluene-d8
Concen: 49.632 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Tgt Ion: 98 Resp: 303956
Ion Ratio Lower Upper
98 100
100 67.0 52.5 78.7

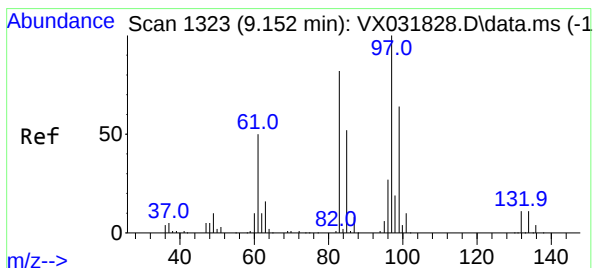
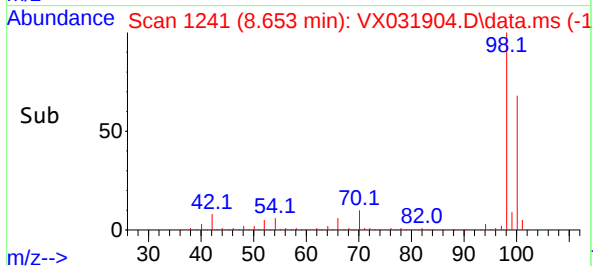
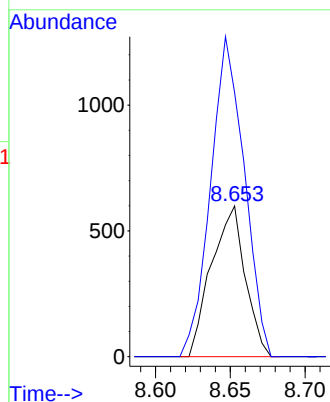
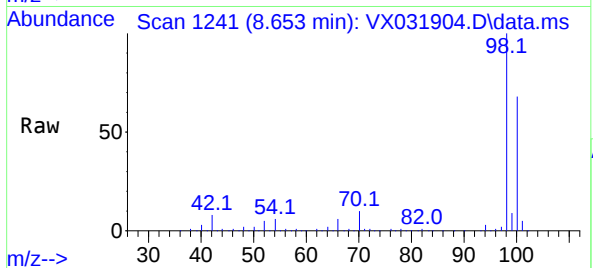




#51
4-Methyl-2-Pentanone
Concen: 0.592 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

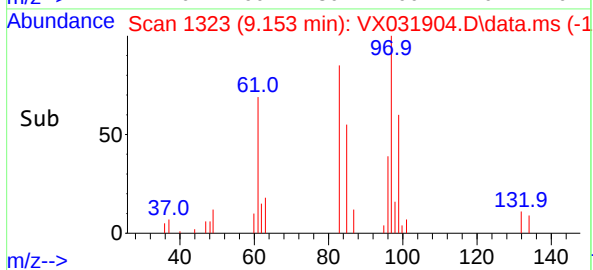
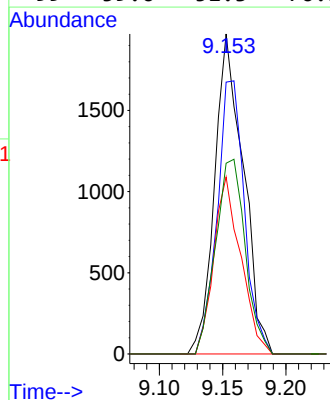
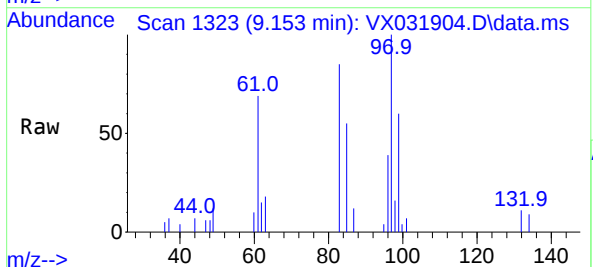
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-743-745

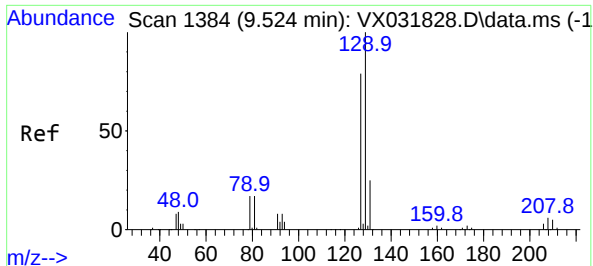
Tgt Ion: 43 Resp: 942
Ion Ratio Lower Upper
43 100
58 211.4 30.6 46.0#



#55
1,1,2-Trichloroethane
Concen: 1.762 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Tgt Ion: 97 Resp: 3096
Ion Ratio Lower Upper
97 100
83 84.9 69.0 103.6
85 55.3 44.1 66.1
99 59.6 51.3 76.9

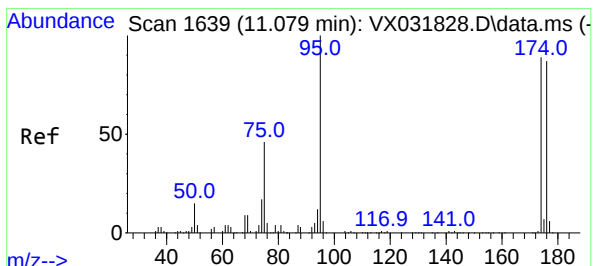
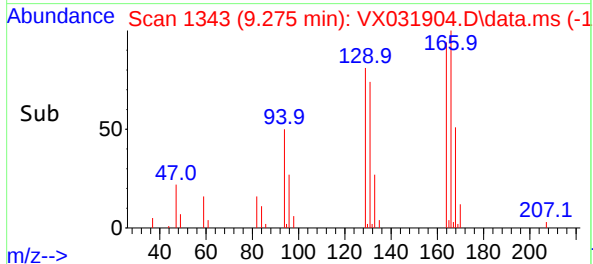
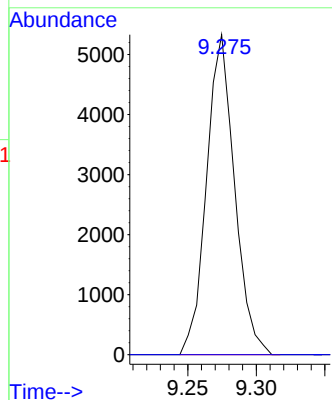
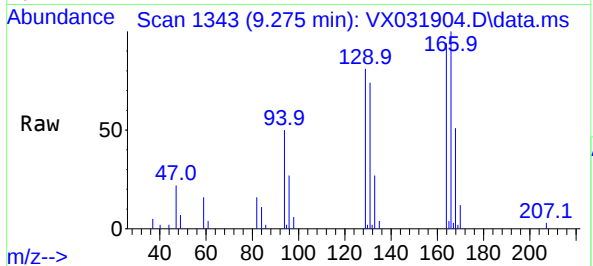




#60
Dibromochloromethane
Concen: 4.300 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

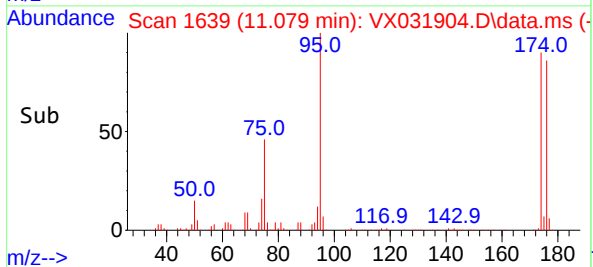
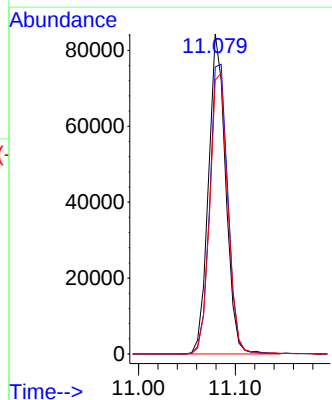
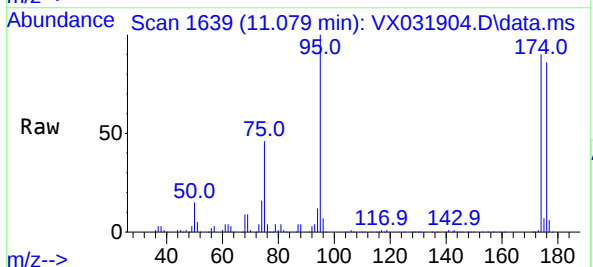
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-743-745

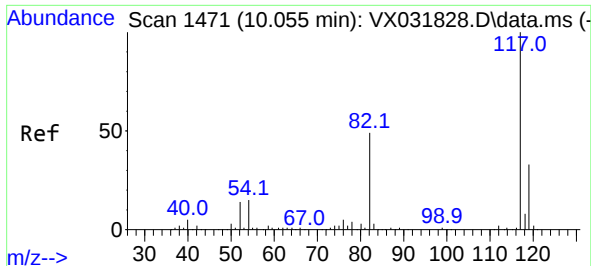
Tgt Ion:129 Resp: 7603
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 47.501 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

Tgt Ion: 95 Resp: 104641
Ion Ratio Lower Upper
95 100
174 94.8 0.0 153.2
176 91.4 0.0 144.0

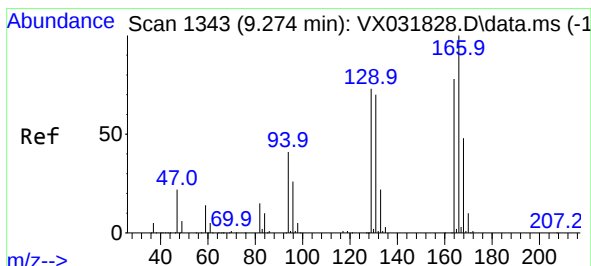
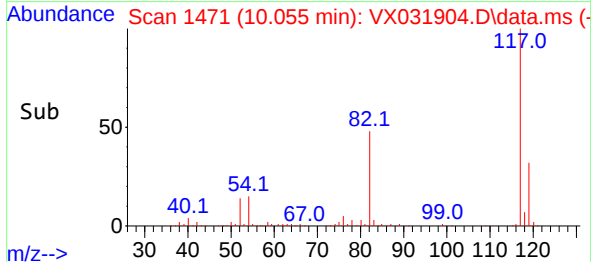
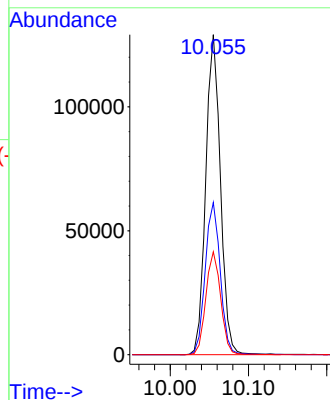
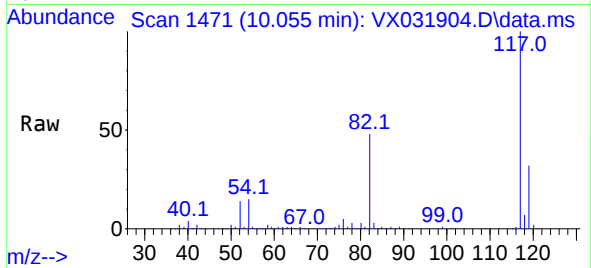




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

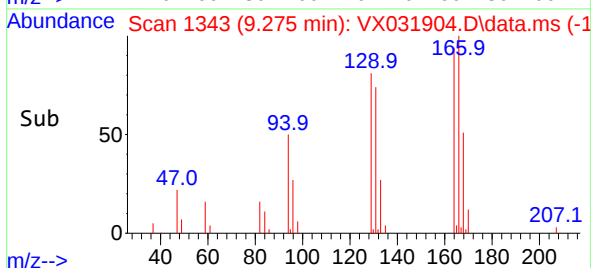
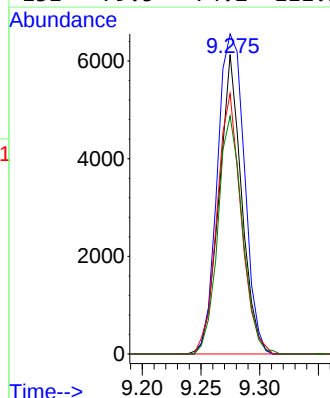
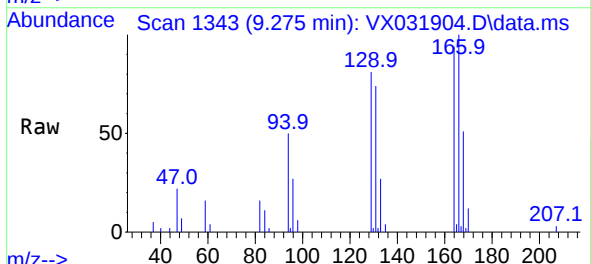
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW5-GW-743-745

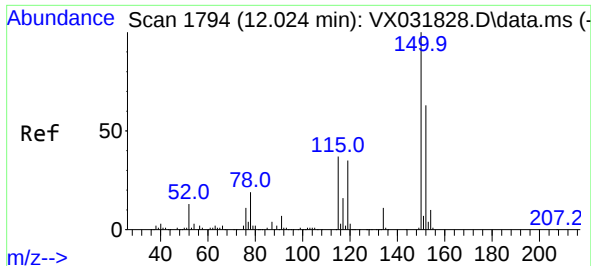
Tgt Ion:117 Resp: 167740
Ion Ratio Lower Upper
117 100
82 47.5 46.8 70.2
119 32.1 26.4 39.6



#64
Tetrachloroethene
Concen: 3.977 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031904.D
Acq: 05 Oct 2022 18:49

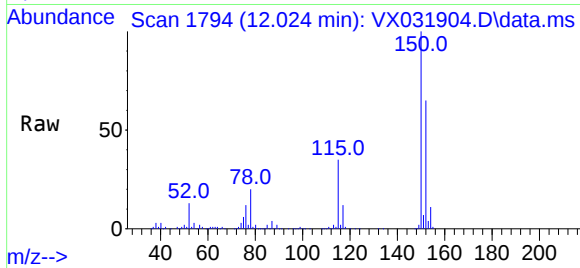
Tgt Ion:164 Resp: 8206
Ion Ratio Lower Upper
164 100
166 106.9 99.0 148.4
129 86.9 78.0 117.0
131 79.5 74.2 111.2



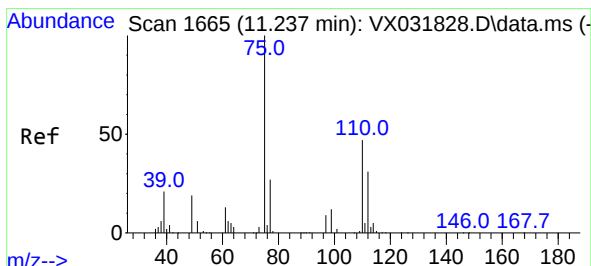
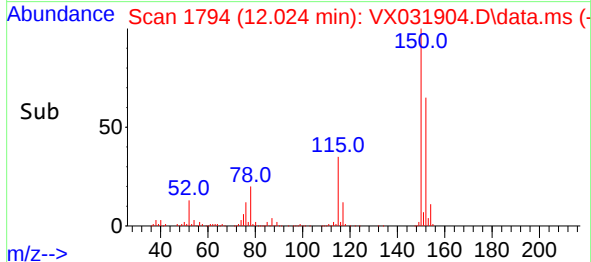
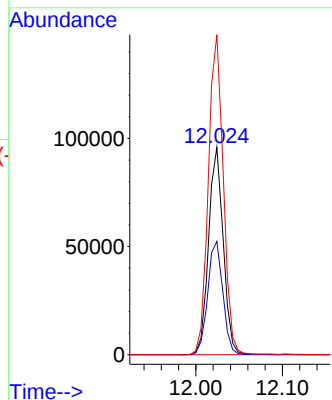


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031904.D
 Acq: 05 Oct 2022 18:49

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW5-GW-743-745

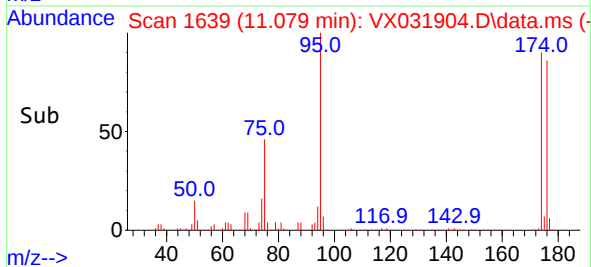
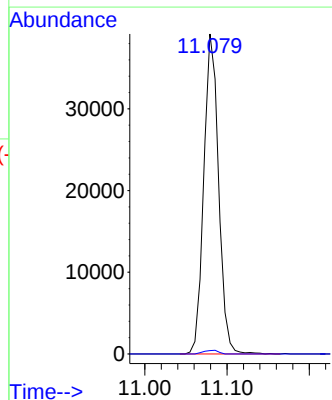
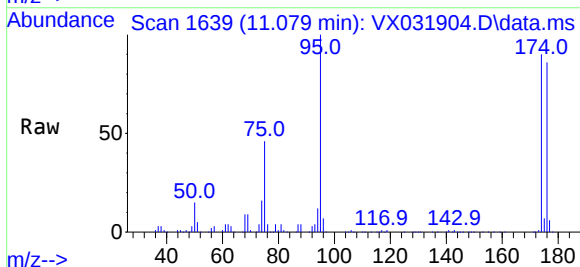


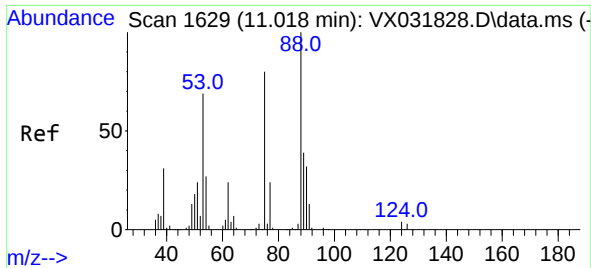
Tgt Ion:152 Resp: 112928
 Ion Ratio Lower Upper
 152 100
 115 56.4 43.4 130.1
 150 157.4 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 27.238 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX031904.D
 Acq: 05 Oct 2022 18:49

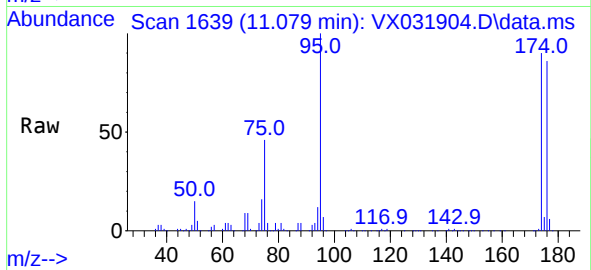
Tgt Ion: 75 Resp: 48906
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.994 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031904.D
 Acq: 05 Oct 2022 18:49

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW5-GW-743-745



Tgt Ion: 75 Resp: 48906
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

