

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020224\
 Data File : VX040093.D
 Acq On : 02 Feb 2024 17:34
 Operator : JC/MD
 Sample : P1344-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-191-GW-658-660

Quant Time: Feb 03 02:19:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

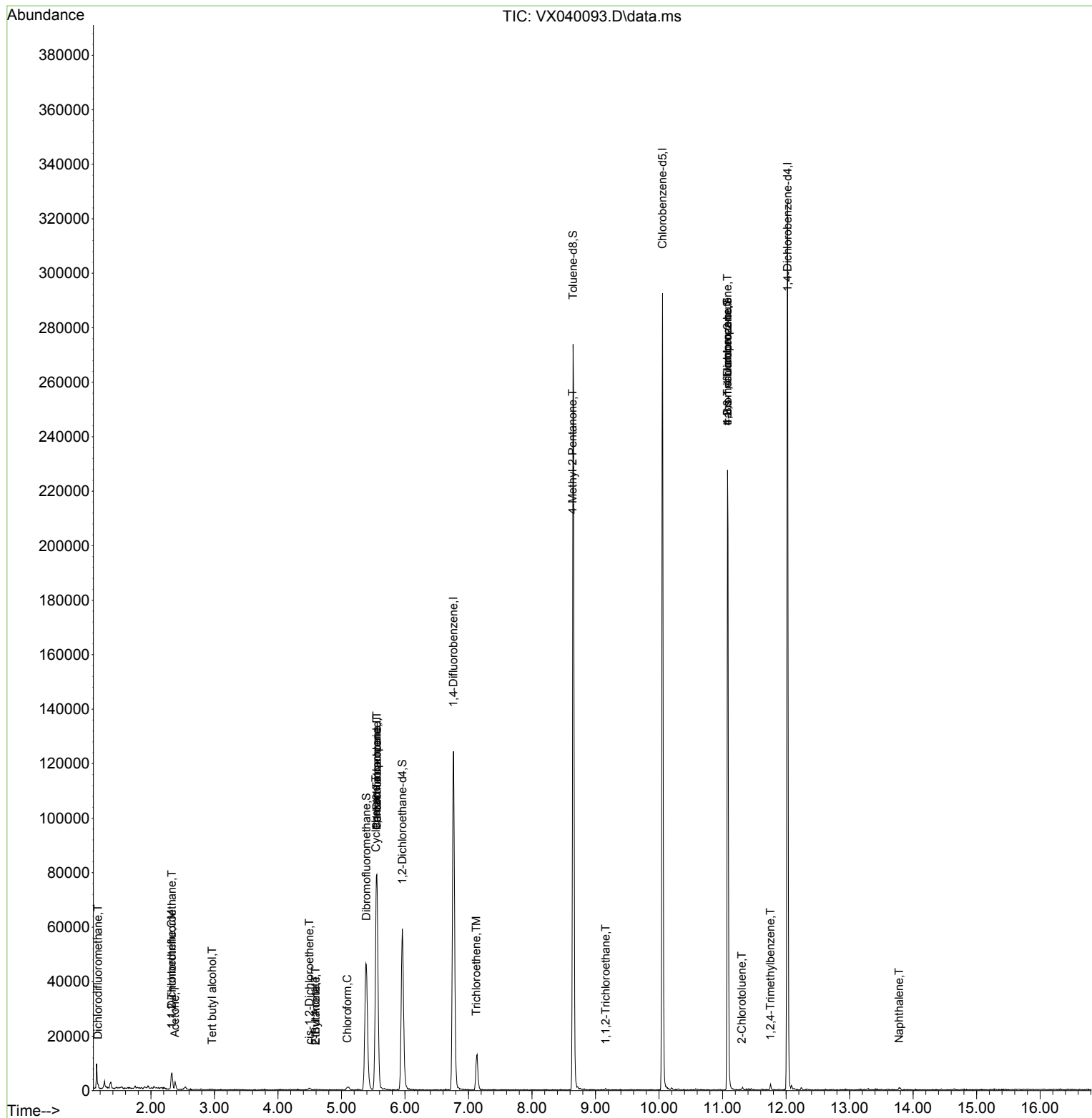
Internal Standards						
1) Pentafluorobenzene	5.556	168	71468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	121841	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54855	47.692	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.380%			
35) Dibromofluoromethane	5.391	113	41513	50.051	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.100%			
50) Toluene-d8	8.647	98	159671	51.477	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.960%			
62) 4-Bromofluorobenzene	11.079	95	61534	51.521	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	721	0.896	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	1940	2.315	ug/l	99
11) Tert butyl alcohol	2.965	59	228	1.092	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	658	0.819	ug/l #	80
16) Acetone	2.379	43	2783	5.164	ug/l	90
25) 2-Butanone	4.593	43	368	0.491	ug/l #	51
27) cis-1,2-Dichloroethene	4.495	96	344	0.348	ug/l	78
30) Chloroform	5.092	83	1354	0.784	ug/l	88
31) Cyclohexane	5.544	56	959	0.666	ug/l #	32
36) 1,1-Dichloropropene	5.556	75	6759	5.635	ug/l #	48
37) Ethyl Acetate	4.593	43	368	0.281	ug/l #	69
38) Carbon Tetrachloride	5.556	117	7913	6.894	ug/l #	13
44) Trichloroethene	7.123	130	4900	5.330	ug/l	69
51) 4-Methyl-2-Pentanone	8.641	43	771	0.547	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	203	0.225	ug/l #	58
76) 1,2,3-Trichloropropane	11.079	75	33347	25.106	ug/l #	38
79) 2-Chlorotoluene	11.305	91	777	0.234	ug/l #	42
81) trans-1,4-Dichloro-2-b...	11.079	75	33347	74.181	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1178	0.307	ug/l	96
90) Hexachloroethane	12.707	117	25	Below Cal	#	17
95) Naphthalene	13.780	128	867	0.203	ug/l #	78

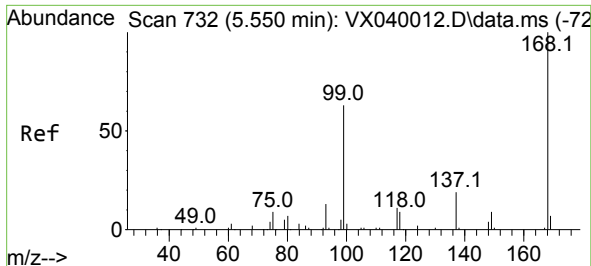
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-658-660

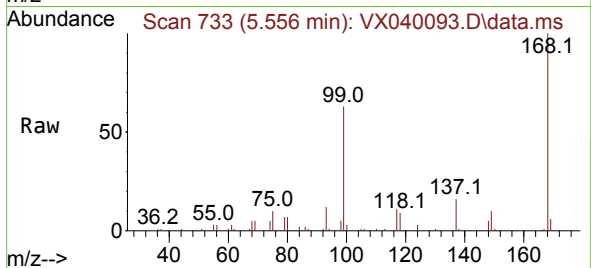
Quant Time: Feb 03 02:19:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration



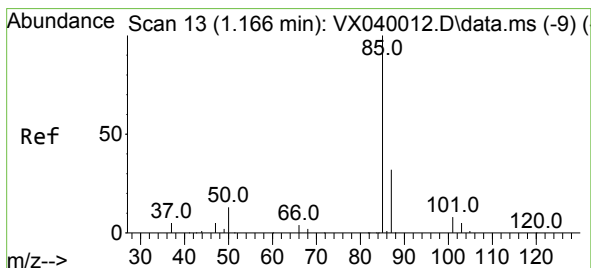
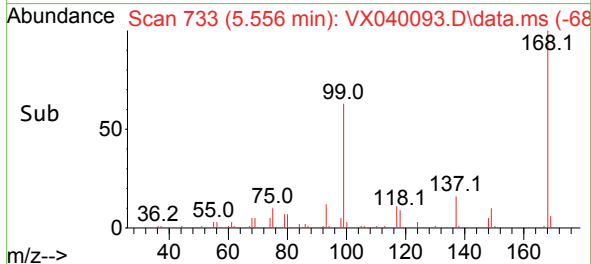
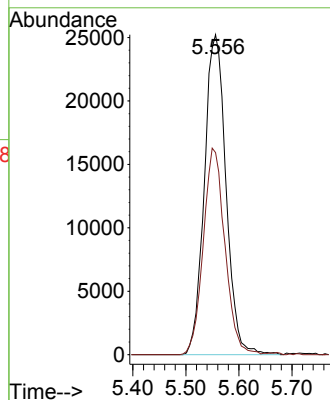


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

Instrument :
MSVOA_X
ClientSampleId :
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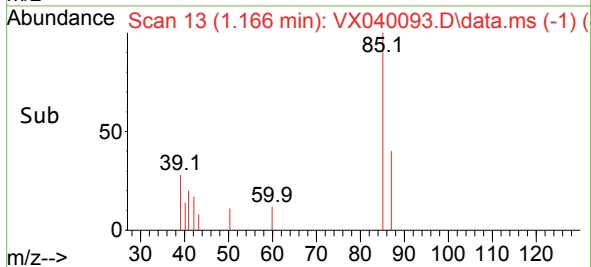
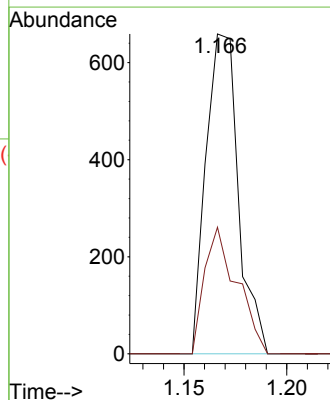
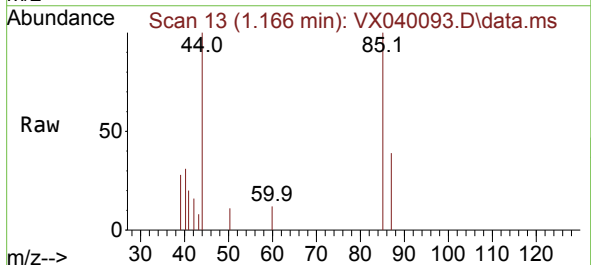


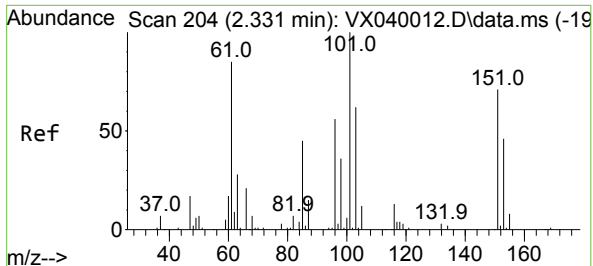
Tgt Ion:168 Resp: 71468
Ion Ratio Lower Upper
168 100
99 63.2 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.896 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

Tgt Ion: 85 Resp: 721
Ion Ratio Lower Upper
85 100
87 39.6 16.7 50.1

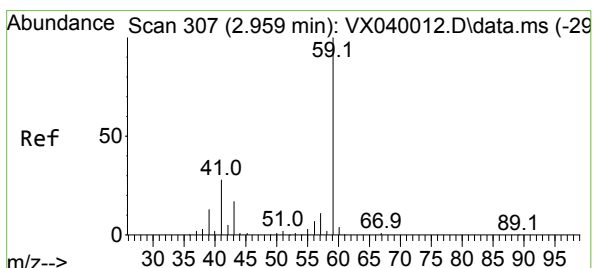
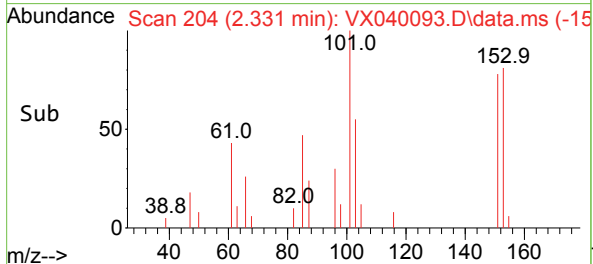
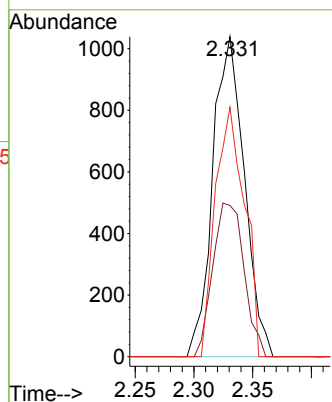
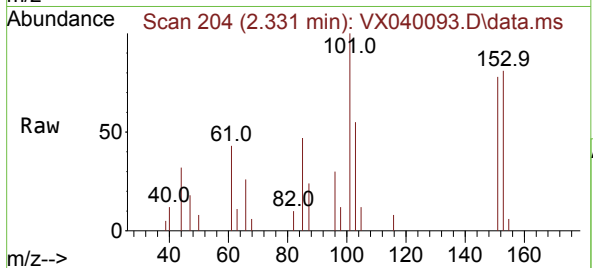




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.315 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

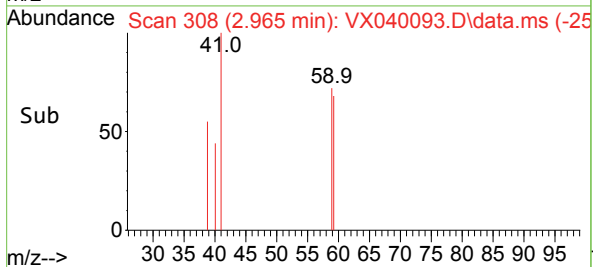
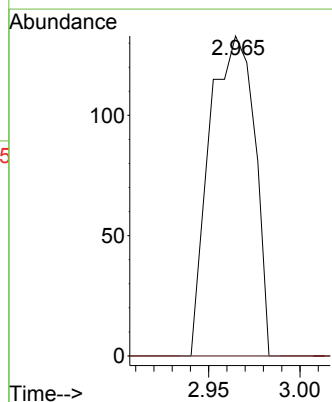
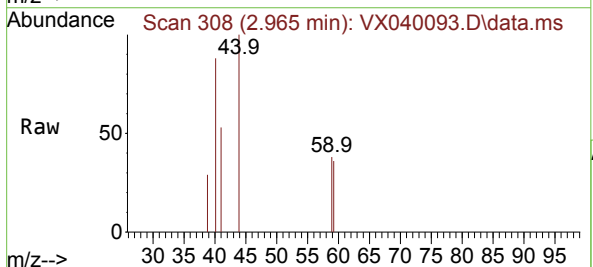
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-658-660

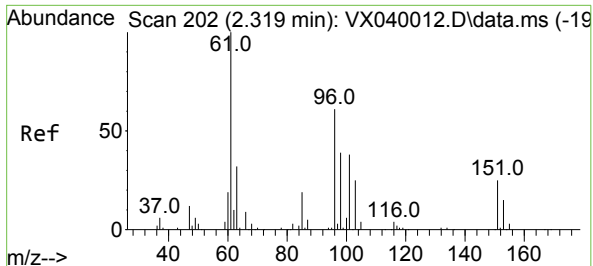
Tgt Ion:101 Resp: 1940
Ion Ratio Lower Upper
101 100
85 47.5 37.0 55.6
151 72.3 58.6 87.8



#11
Tert butyl alcohol
Concen: 1.092 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.819 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX040093.D

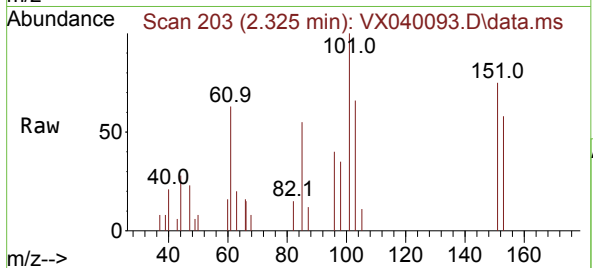
Acq: 02 Feb 2024 17:34

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-191-GW-658-660



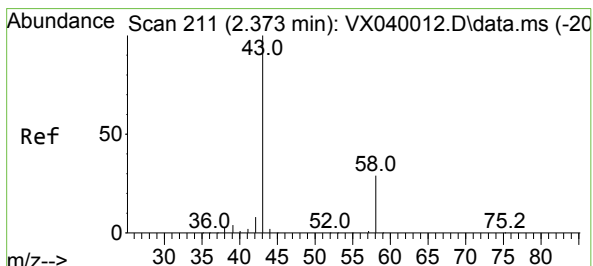
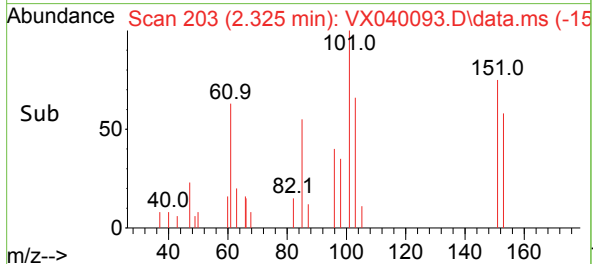
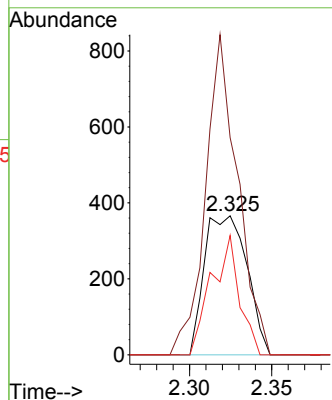
Tgt Ion: 96 Resp: 658

Ion Ratio Lower Upper

96 100

61 156.3 144.6 216.8

98 85.8 50.4 75.6#



#16

Acetone

Concen: 5.164 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX040093.D

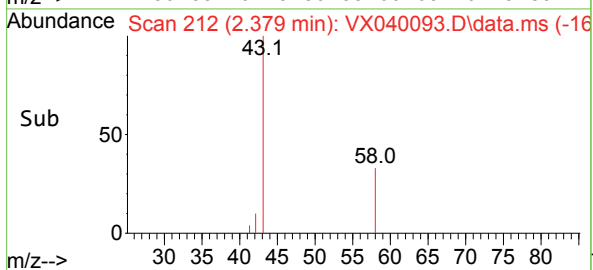
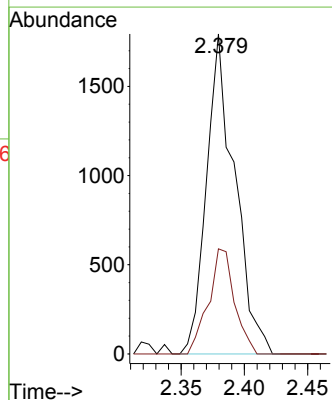
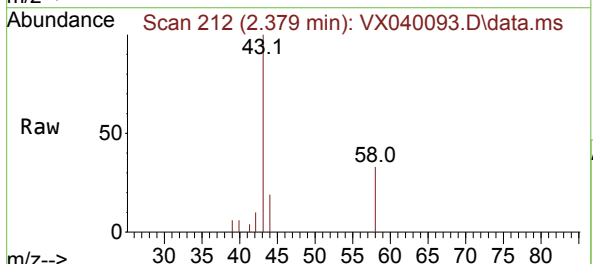
Acq: 02 Feb 2024 17:34

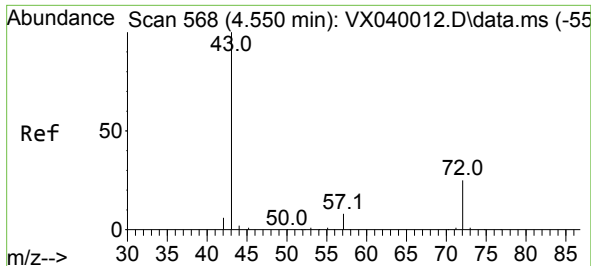
Tgt Ion: 43 Resp: 2783

Ion Ratio Lower Upper

43 100

58 32.8 21.9 32.9

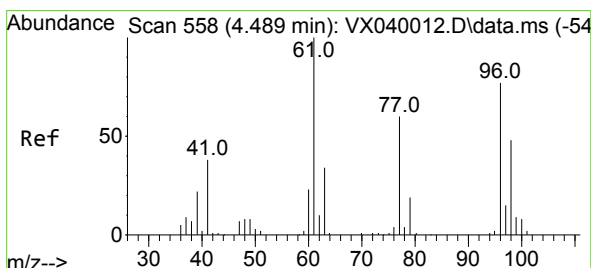
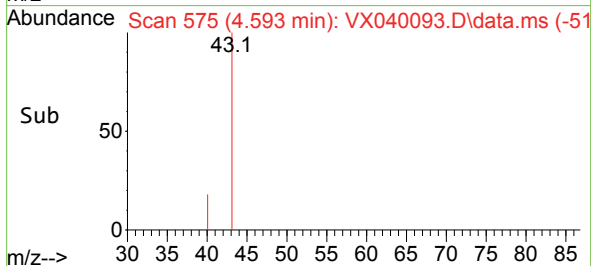
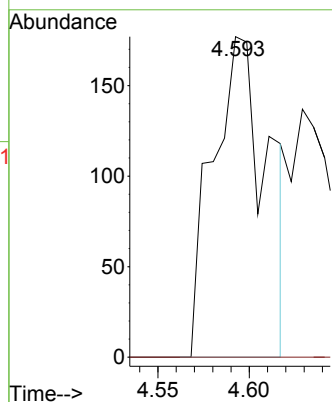
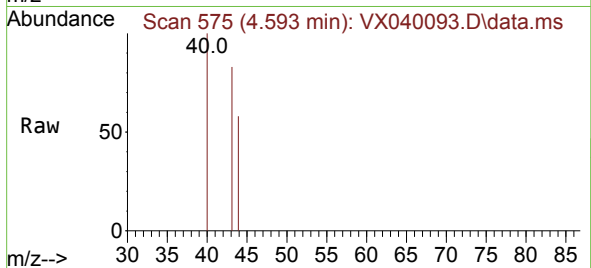




#25
2-Butanone
Concen: 0.491 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

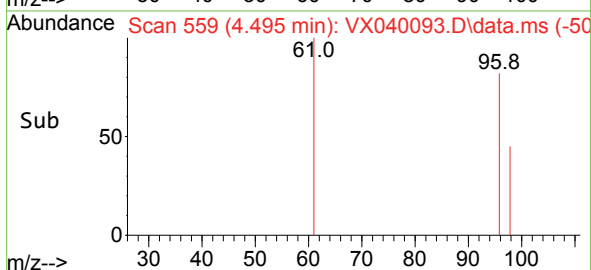
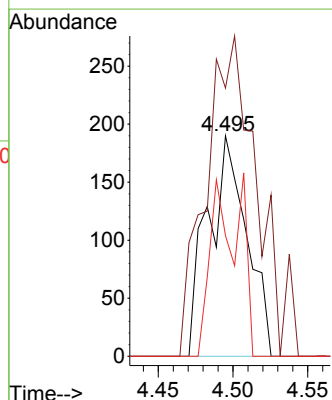
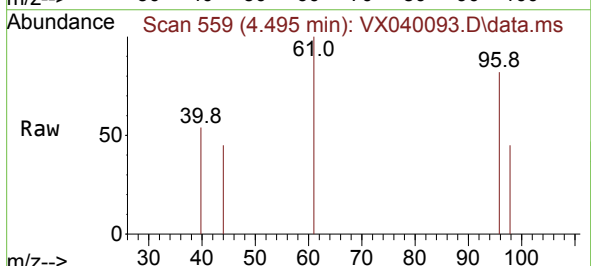
Instrument :
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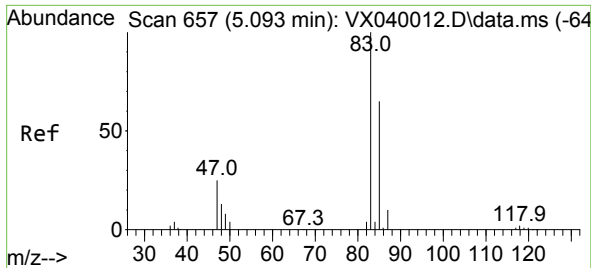
Tgt Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 0.348 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

Tgt Ion: 96 Resp: 344
Ion Ratio Lower Upper
96 100
61 192.4 0.0 312.2
98 59.6 0.0 129.0

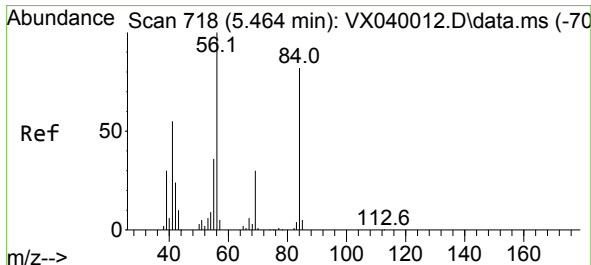
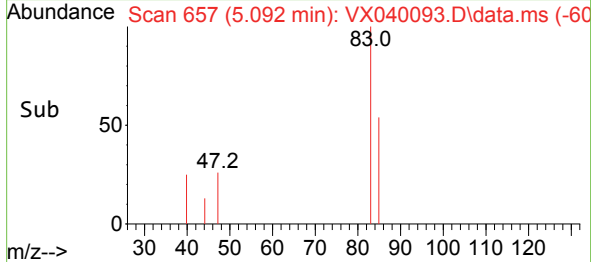
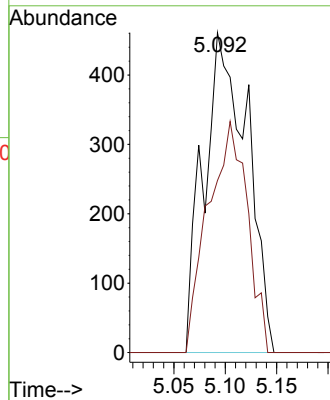
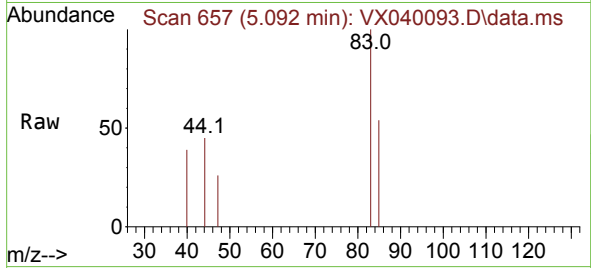




#30
Chloroform
Concen: 0.784 ug/l
RT: 5.092 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

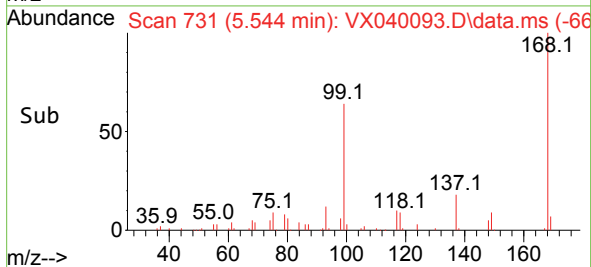
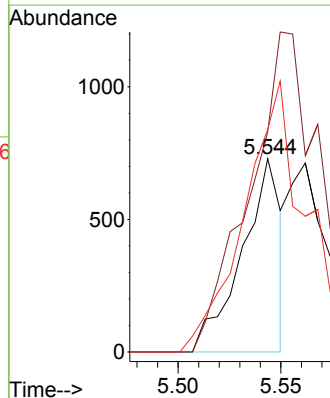
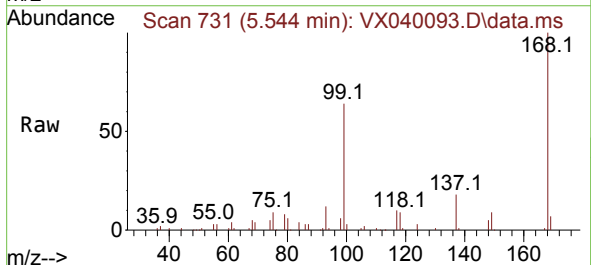
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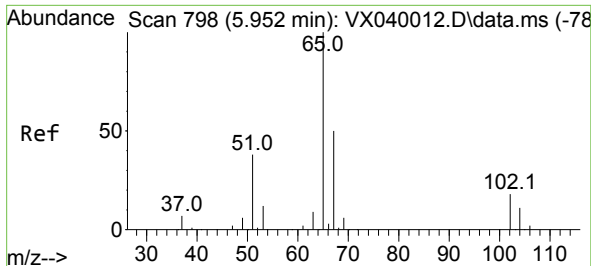
Tgt Ion: 83 Resp: 1354
Ion Ratio Lower Upper
83 100
85 53.8 50.3 75.5



#31
Cyclohexane
Concen: 0.666 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

Tgt Ion: 56 Resp: 959
Ion Ratio Lower Upper
56 100
69 113.9 23.4 35.2#
84 115.1 65.9 98.9#

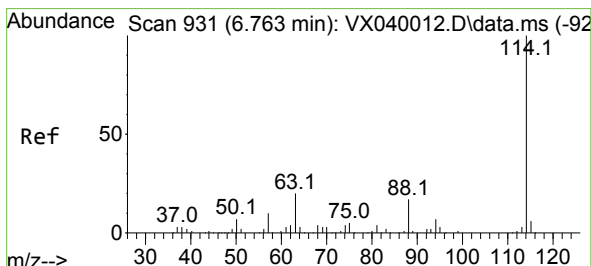
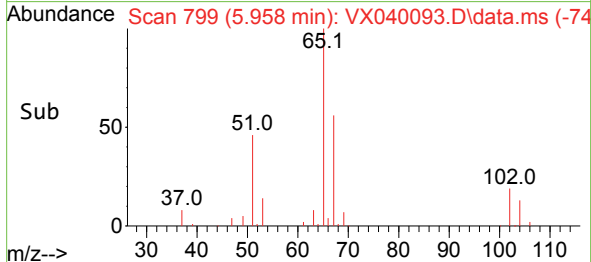
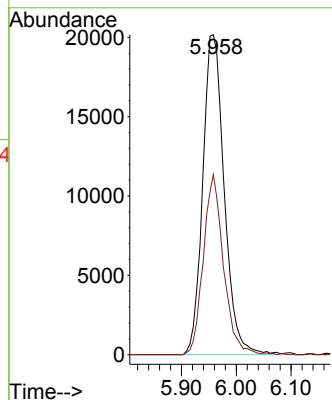
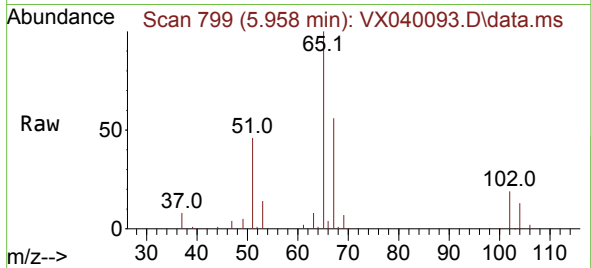




#33
 1,2-Dichloroethane-d4
 Concen: 47.692 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX040093.D
 Acq: 02 Feb 2024 17:34

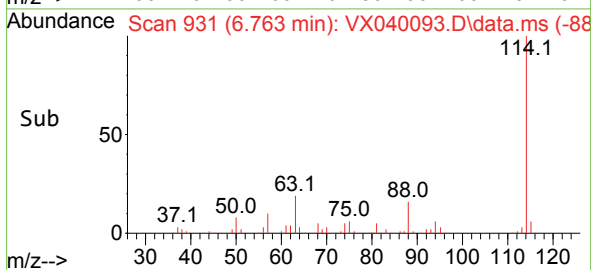
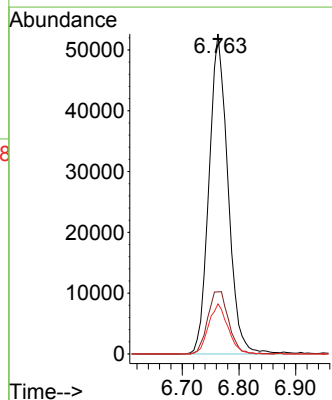
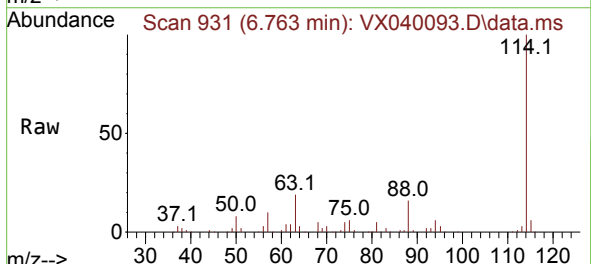
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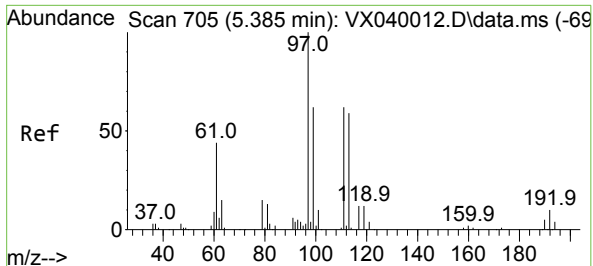
Tgt Ion: 65 Resp: 54855
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX040093.D
 Acq: 02 Feb 2024 17:34

Tgt Ion: 114 Resp: 121841
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 45.0
 88 15.7 0.0 36.6

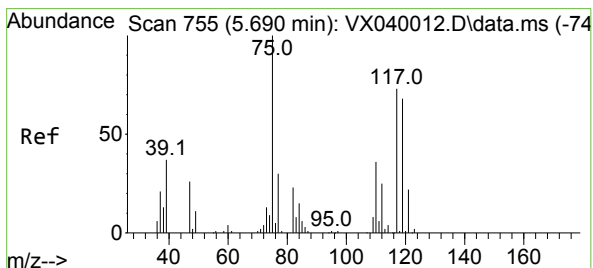
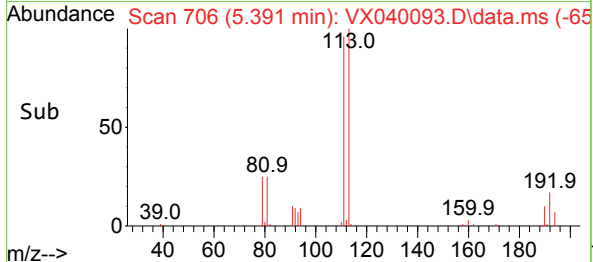
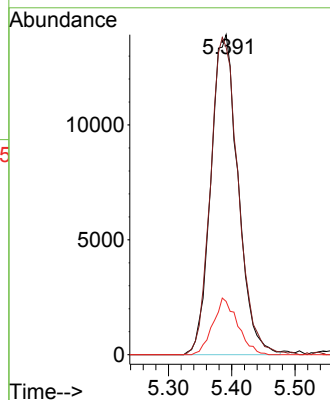
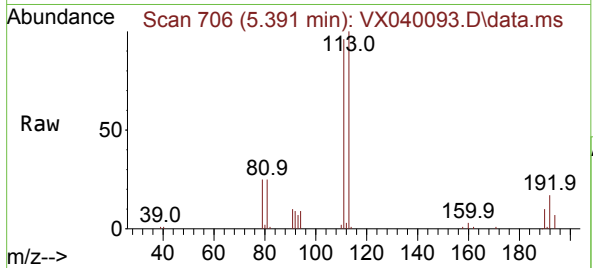




#35
Dibromofluoromethane
Concen: 50.051 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

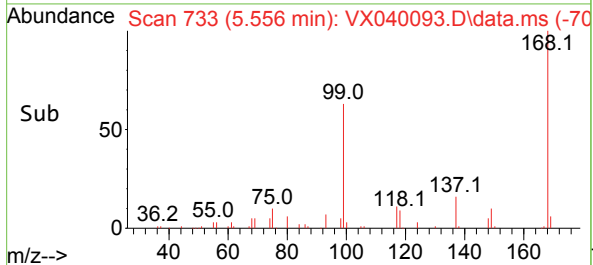
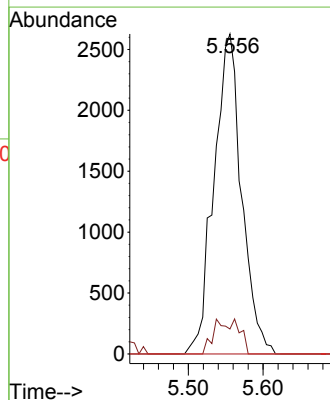
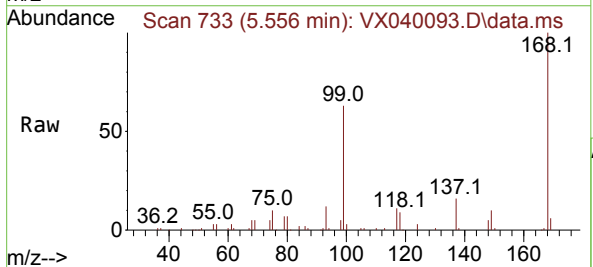
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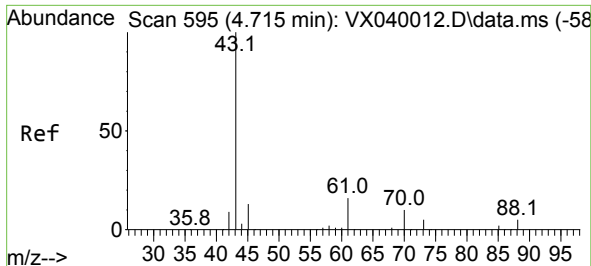
Tgt Ion:113 Resp: 41513
Ion Ratio Lower Upper
113 100
111 101.0 82.9 124.3
192 16.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.635 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

Tgt Ion: 75 Resp: 6759
Ion Ratio Lower Upper
75 100
110 6.3 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.281 ug/l

RT: 4.593 min Scan# 51

Delta R.T. -0.122 min

Lab File: VX040093.D

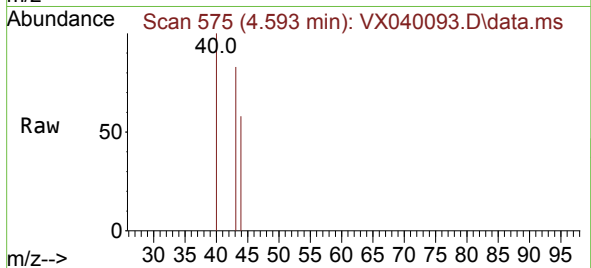
Acq: 02 Feb 2024 17:34

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-191-GW-658-660



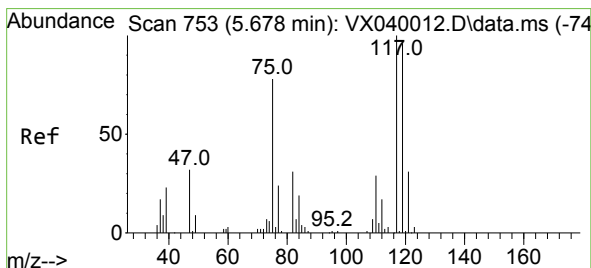
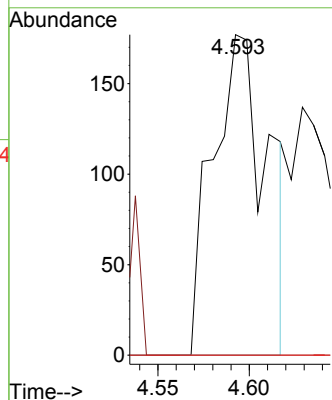
Tgt Ion: 43 Resp: 368

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.894 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX040093.D

Acq: 02 Feb 2024 17:34

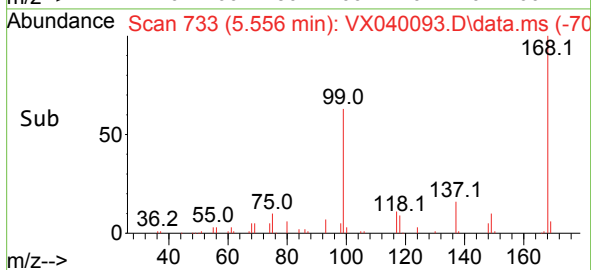
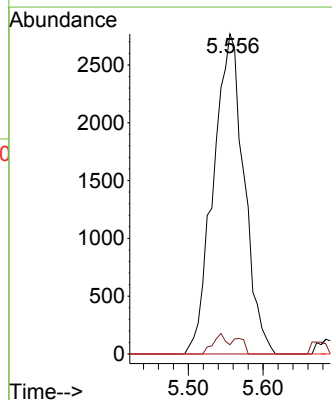
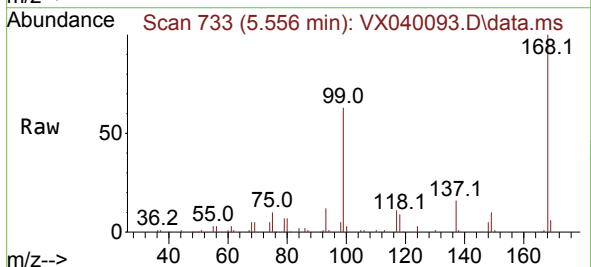
Tgt Ion: 117 Resp: 7913

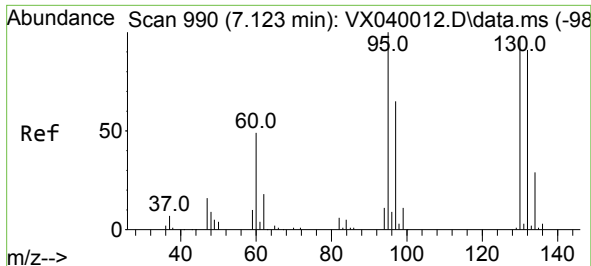
Ion Ratio Lower Upper

117 100

119 2.9 78.2 117.2#

121 0.0 24.4 36.6#

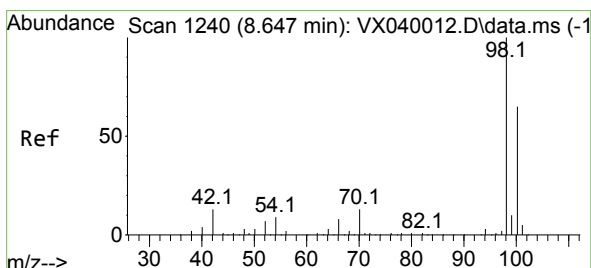
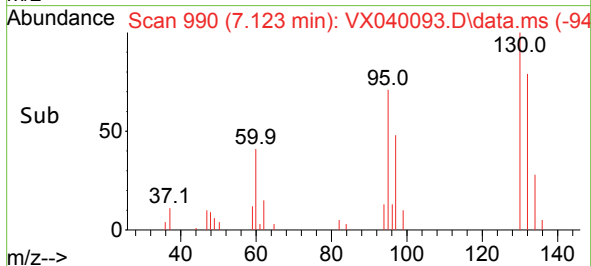
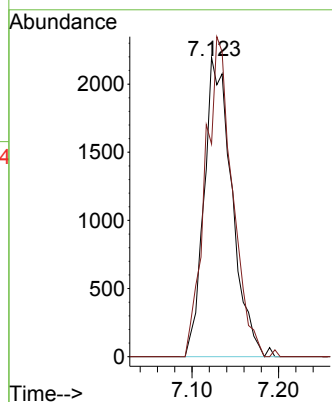
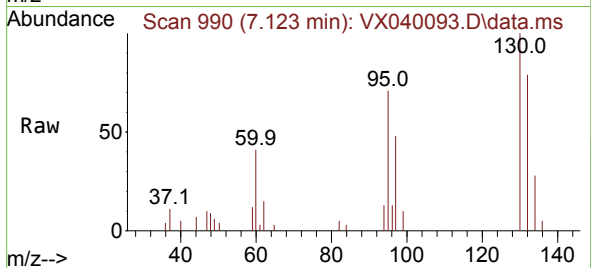




#44
Trichloroethene
Concen: 5.330 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

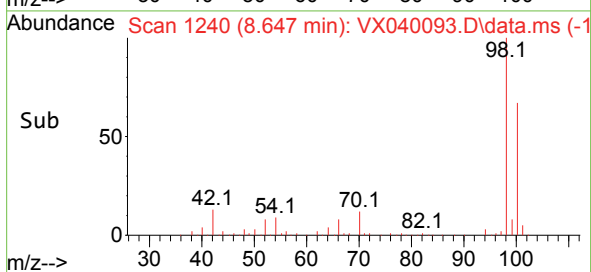
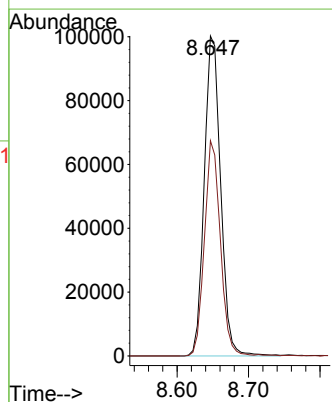
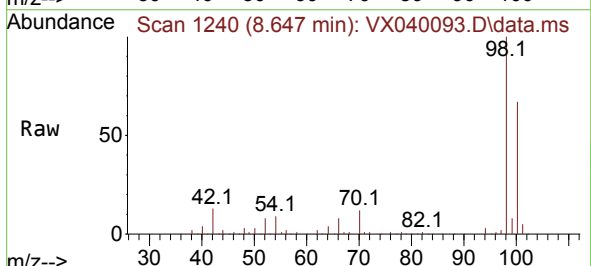
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-658-660

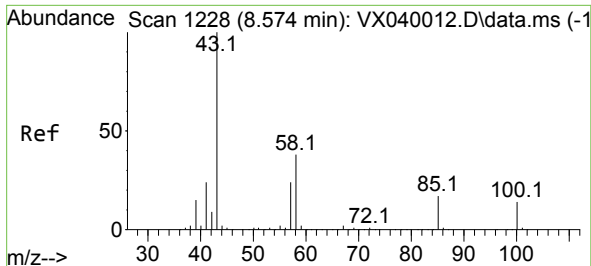
Tgt Ion:130 Resp: 4900
Ion Ratio Lower Upper
130 100
95 71.1 0.0 204.4



#50
Toluene-d8
Concen: 51.477 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

Tgt Ion: 98 Resp: 159671
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7

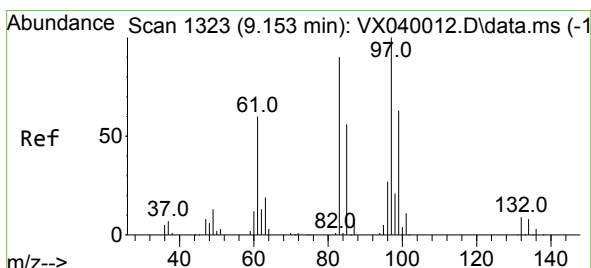
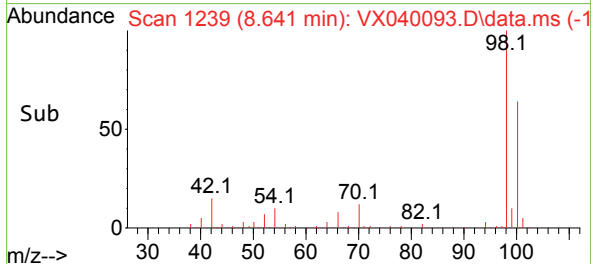
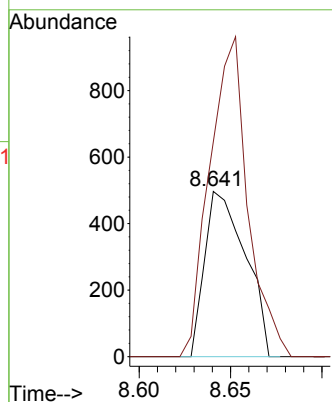
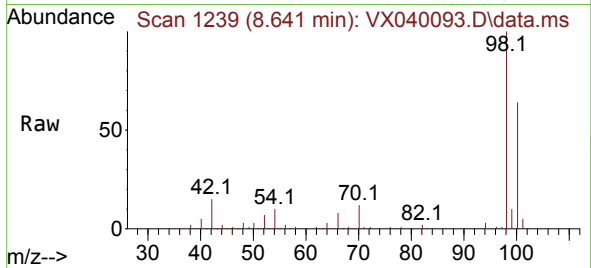




#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

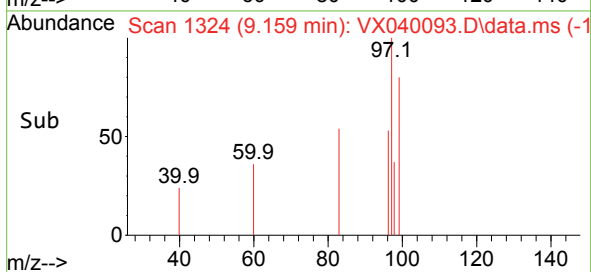
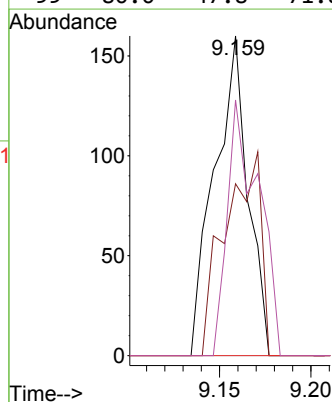
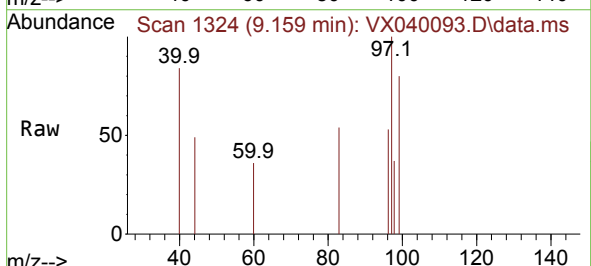
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-658-660

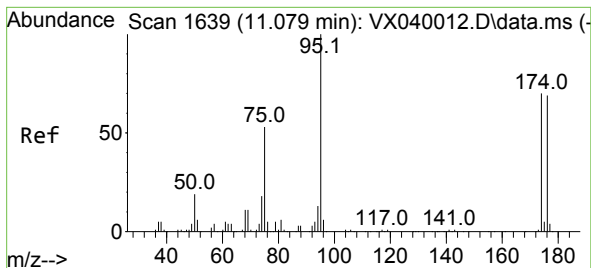
Tgt Ion: 43 Resp: 771
Ion Ratio Lower Upper
43 100
58 181.8 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.225 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

Tgt Ion: 97 Resp: 203
Ion Ratio Lower Upper
97 100
83 53.8 65.8 98.8#
85 0.0 41.6 62.4#
99 80.0 47.8 71.8#

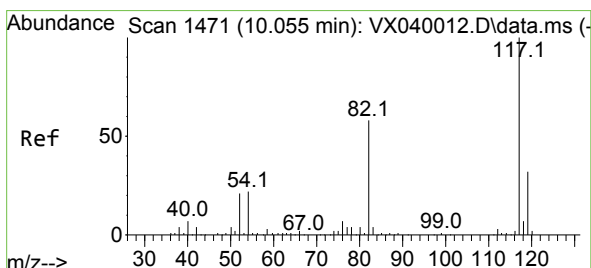
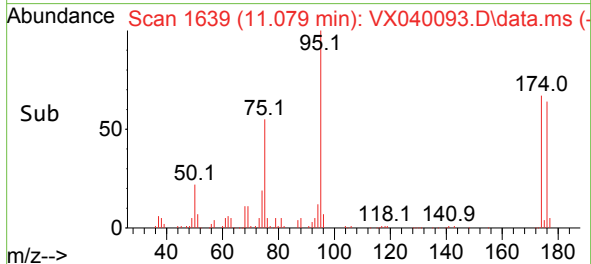
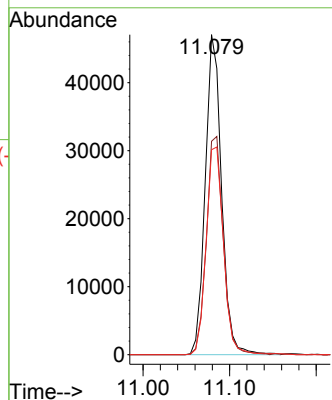
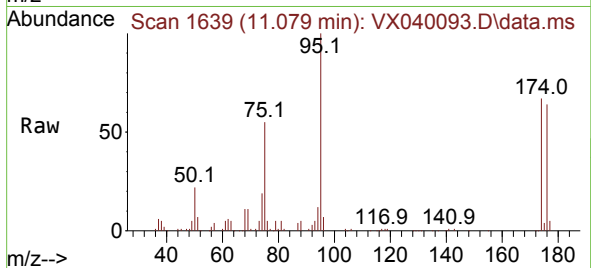




#62
4-Bromofluorobenzene
Concen: 51.521 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

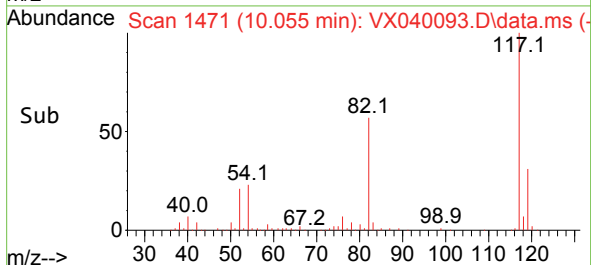
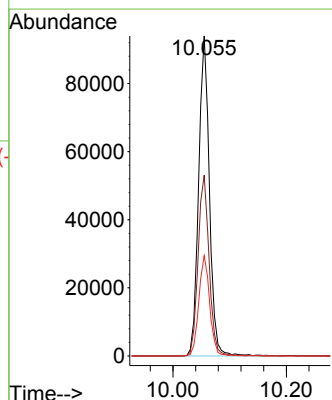
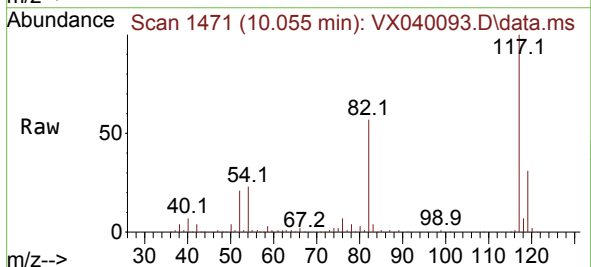
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-658-660

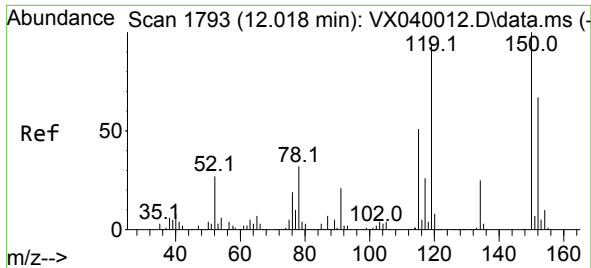
Tgt Ion: 95 Resp: 61534
Ion Ratio Lower Upper
95 100
174 70.6 0.0 135.6
176 69.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

Tgt Ion: 117 Resp: 123854
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 31.4 25.5 38.3

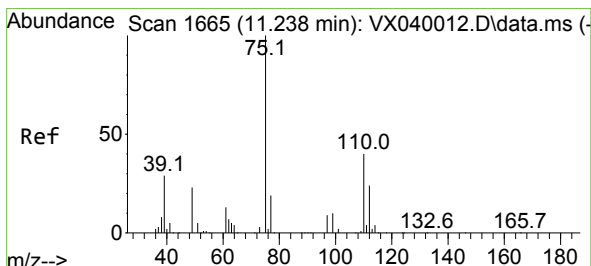
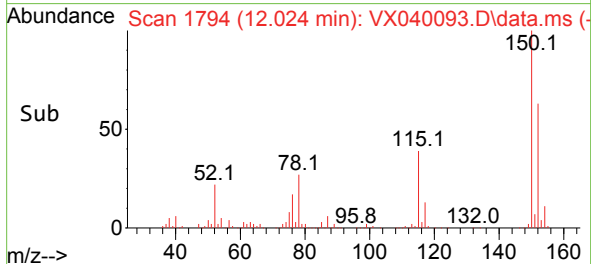
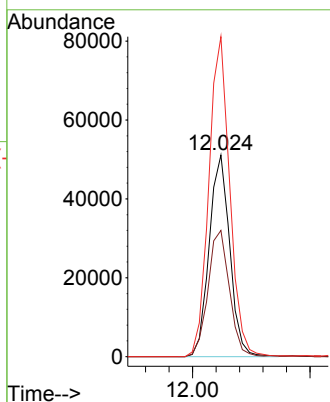
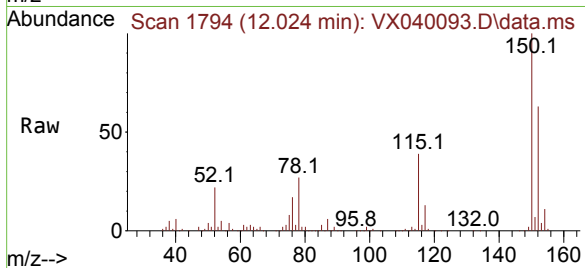




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VX040093.D
 Acq: 02 Feb 2024 17:34

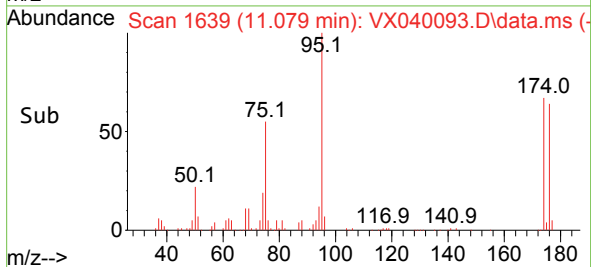
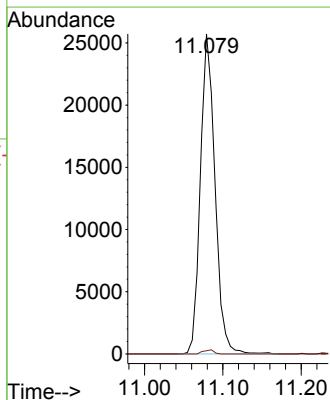
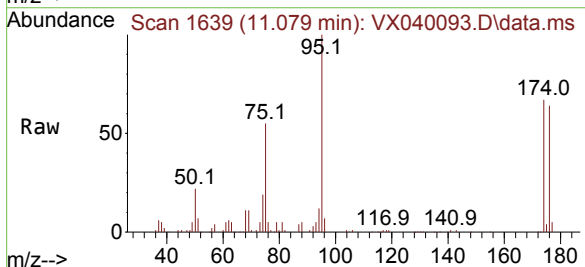
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-191-GW-658-660

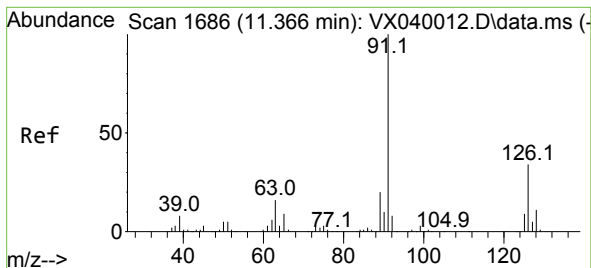
Tgt Ion:152 Resp: 62374
 Ion Ratio Lower Upper
 152 100
 115 65.6 43.3 129.9
 150 160.7 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.106 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX040093.D
 Acq: 02 Feb 2024 17:34

Tgt Ion: 75 Resp: 33347
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#79

2-Chlorotoluene

Concen: 0.234 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.061 min

Lab File: VX040093.D

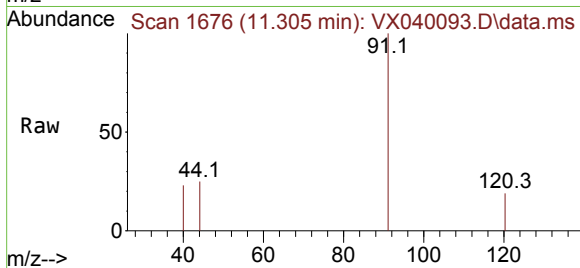
Acq: 02 Feb 2024 17:34

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-191-GW-658-660

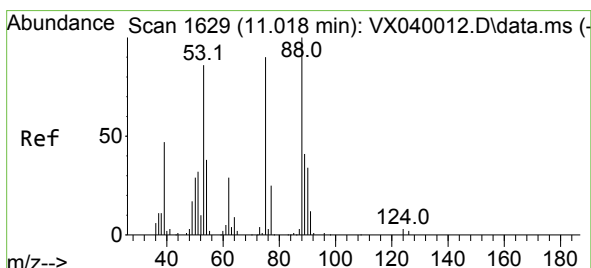
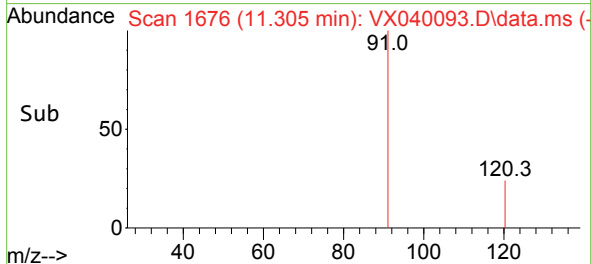
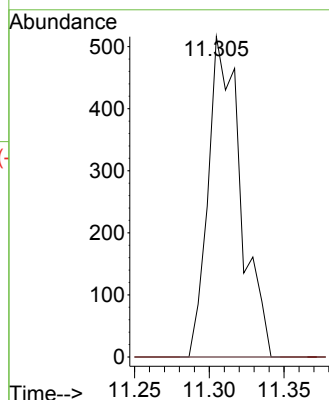


Tgt Ion: 91 Resp: 777

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.181 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040093.D

Acq: 02 Feb 2024 17:34

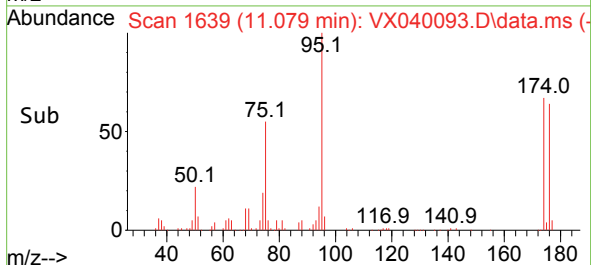
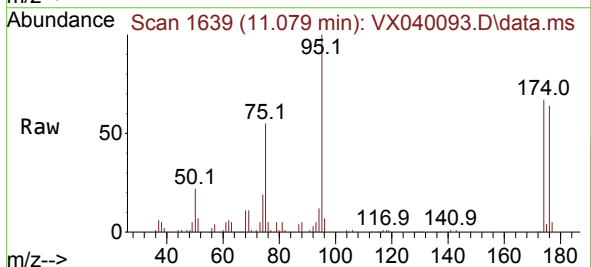
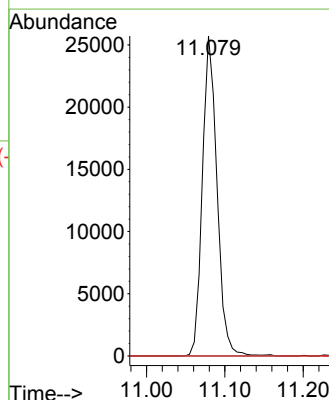
Tgt Ion: 75 Resp: 33347

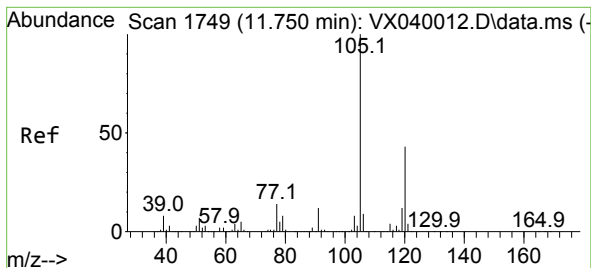
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.307 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040093.D

Acq: 02 Feb 2024 17:34

Instrument :

MSVOA_X

ClientSampleId :

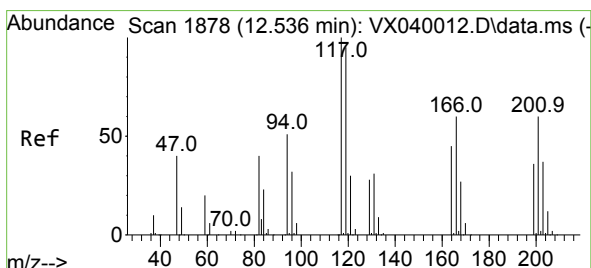
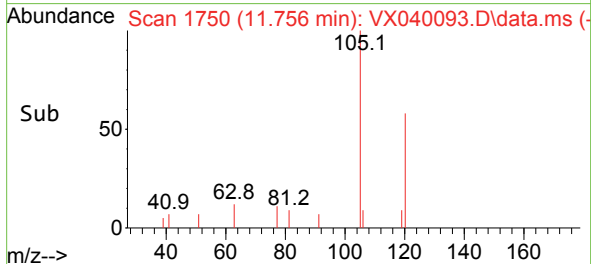
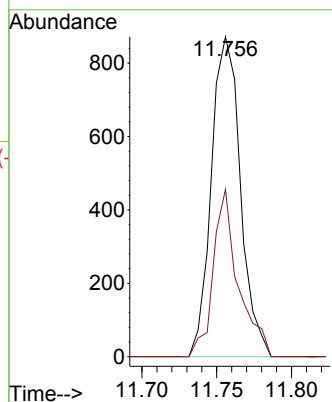
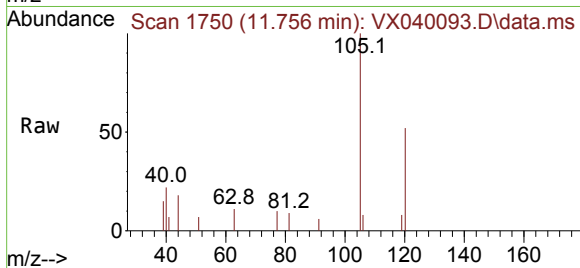
BP-VPB-191-GW-658-660

Tgt Ion:105 Resp: 1178

Ion Ratio Lower Upper

105 100

120 45.0 21.2 63.6



#90

Hexachloroethane

Concen: Below Cal

RT: 12.707 min Scan# 1906

Delta R.T. 0.171 min

Lab File: VX040093.D

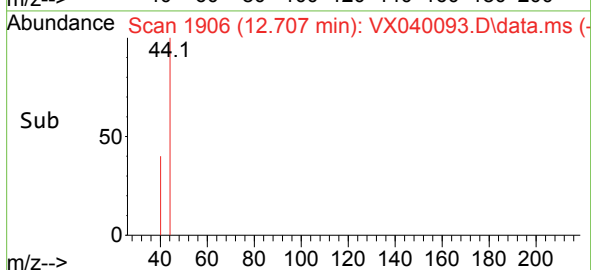
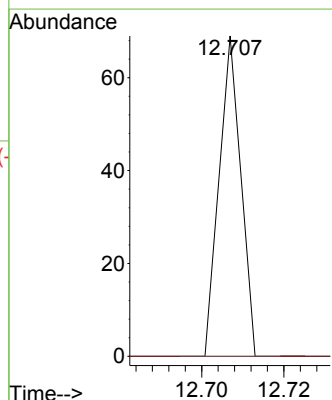
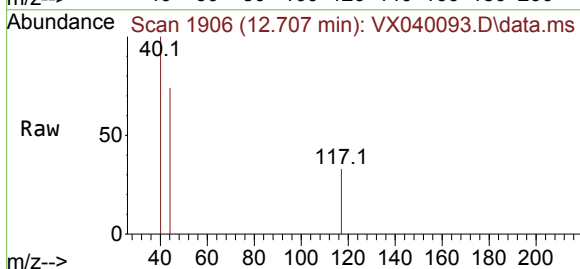
Acq: 02 Feb 2024 17:34

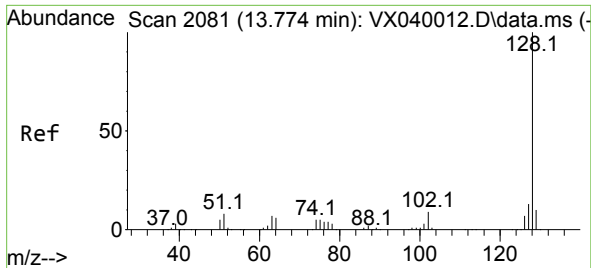
Tgt Ion:117 Resp: 25

Ion Ratio Lower Upper

117 100

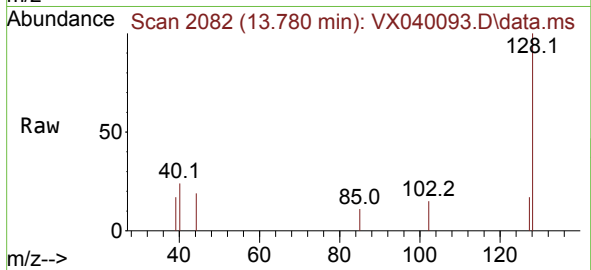
201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 0.203 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040093.D
Acq: 02 Feb 2024 17:34

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-191-GW-658-660



Tgt Ion:128 Resp: 867
Ion Ratio Lower Upper
128 100
127 6.5 10.3 15.5#
129 0.0 8.8 13.2#

