

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061824\
 Data File : VX041930.D
 Acq On : 18 Jun 2024 17:59
 Operator : JC/MD
 Sample : P2927-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-189-GW-478-480

Quant Time: Jun 19 08:48:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 19 07:57:22 2024
 Response via : Initial Calibration

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

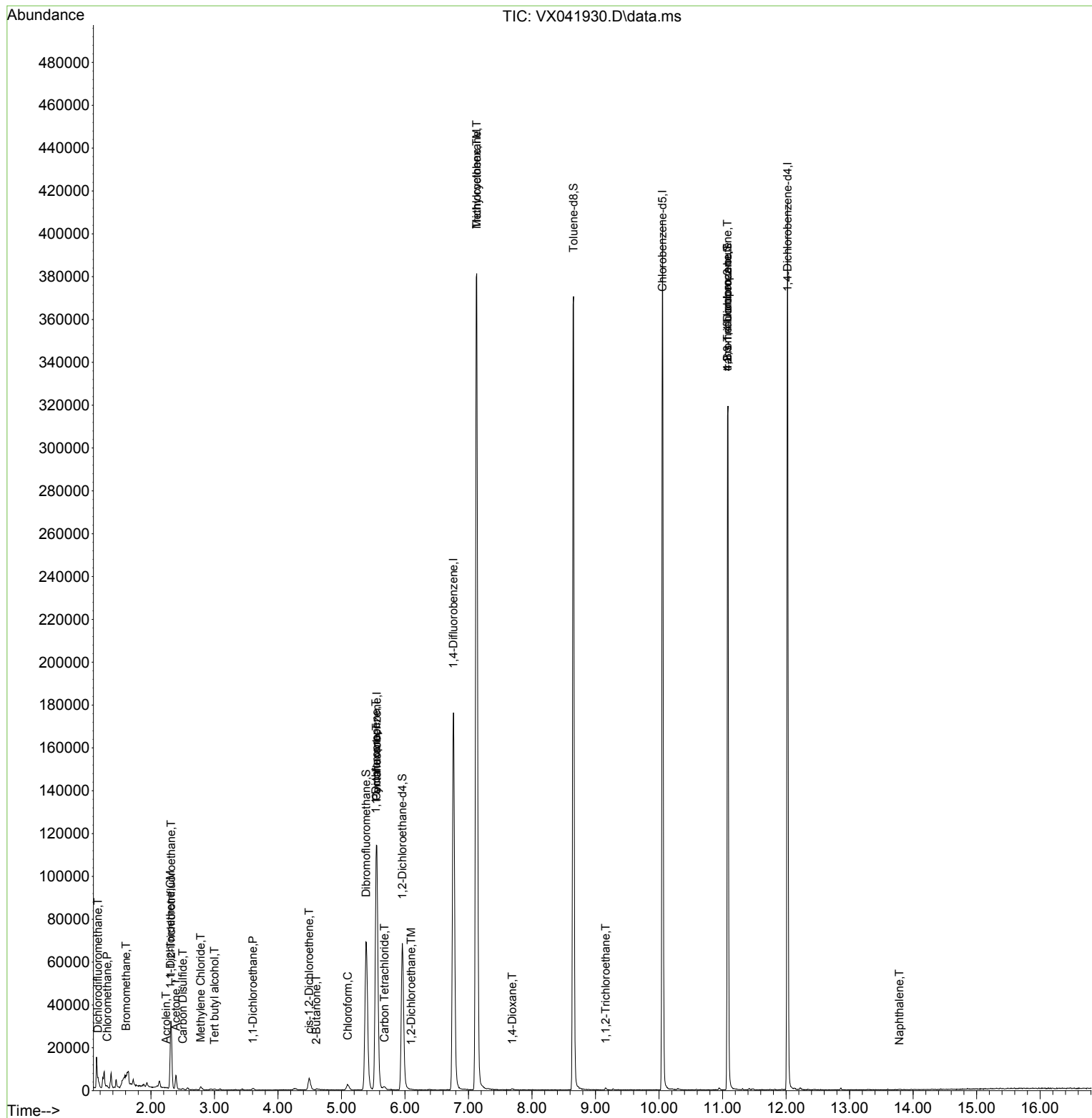
Internal Standards						
1) Pentafluorobenzene	5.556	168	129863	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	195309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64887	43.331	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.660%		
35) Dibromofluoromethane	5.385	113	61076	44.072	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.140%		
50) Toluene-d8	8.653	98	236066	48.489	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.980%		
62) 4-Bromofluorobenzene	11.079	95	86297	48.086	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.180%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1138	1.150	ug/l	95
3) Chloromethane	1.313	50	918	0.740	ug/l	92
5) Bromomethane	1.605	94	139	0.226	ug/l	# 67
6) Chloroethane	1.672	64	99	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.319	101	11094	9.880	ug/l	87
11) Tert butyl alcohol	3.001	59	678	2.386	ug/l	# 78
12) 1,1-Dichloroethene	2.306	96	1509	1.347	ug/l	# 78
13) Acrolein	2.239	56	68	0.213	ug/l	# 1
16) Acetone	2.392	43	6375	9.695	ug/l	91
17) Carbon Disulfide	2.502	76	748	0.328	ug/l	# 76
20) Methylene Chloride	2.782	84	712	0.495	ug/l	89
24) 1,1-Dichloroethane	3.605	63	1233	0.586	ug/l	# 83
25) 2-Butanone	4.605	43	1013	0.990	ug/l	# 84
27) cis-1,2-Dichloroethene	4.489	96	3877	2.723	ug/l	78
30) Chloroform	5.099	83	3418	1.560	ug/l	99
31) Cyclohexane	5.550	56	1832	1.046	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	7716	5.243	ug/l	# 50
38) Carbon Tetrachloride	5.678	117	1277	0.785	ug/l	86
39) Methylcyclohexane	7.129	83	1721	0.925	ug/l	# 1
42) 1,2-Dichloroethane	6.098	62	411	0.257	ug/l	# 77
44) Trichloroethene	7.129	130	171277	128.742	ug/l	89
49) 1,4-Dioxane	7.690	88	396	30.376	ug/l	# 96
55) 1,1,2-Trichloroethane	9.159	97	361	0.274	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	40737	23.003	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	40737	65.326	ug/l	# 5
95) Naphthalene	13.786	128	294	0.789	ug/l	# 69

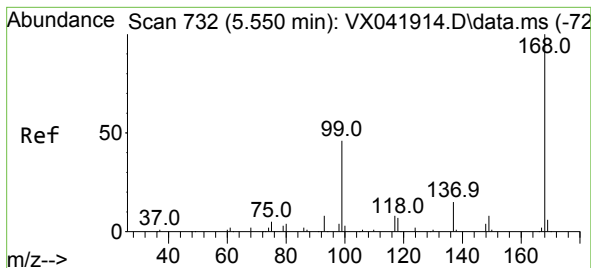
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX041930.D

Acq: 18 Jun 2024 17:59

Instrument :

MSVOA_X

ClientSampleId :

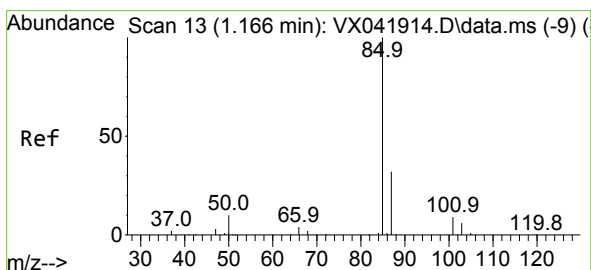
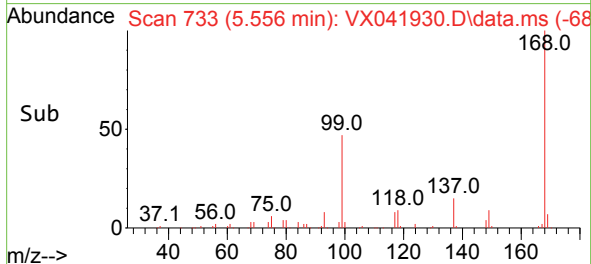
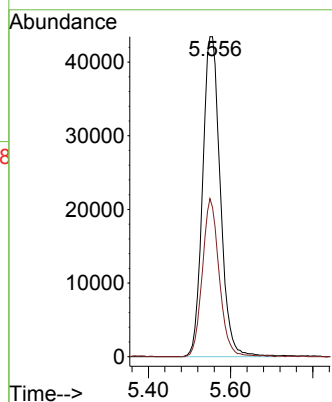
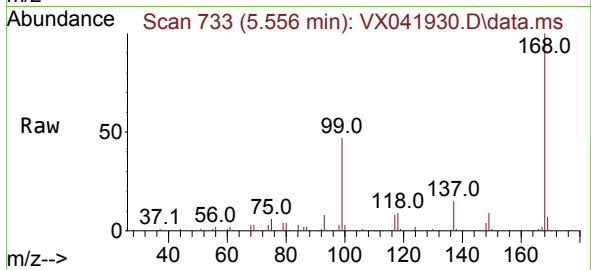
BP-VPB-189-GW-478-480

Tgt Ion:168 Resp: 129863

Ion Ratio Lower Upper

168 100

99 46.6 56.6 85.0#



#2

Dichlorodifluoromethane

Concen: 1.150 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX041930.D

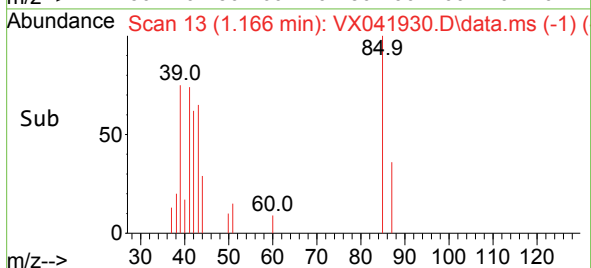
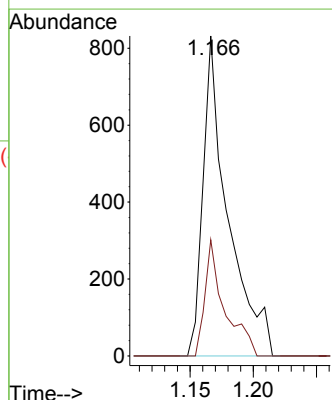
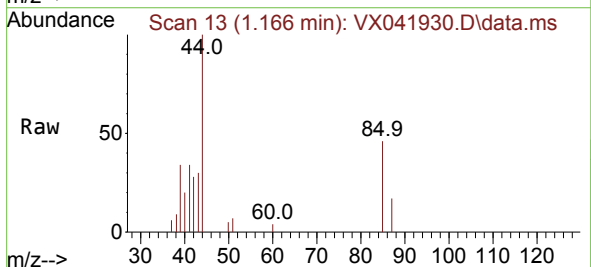
Acq: 18 Jun 2024 17:59

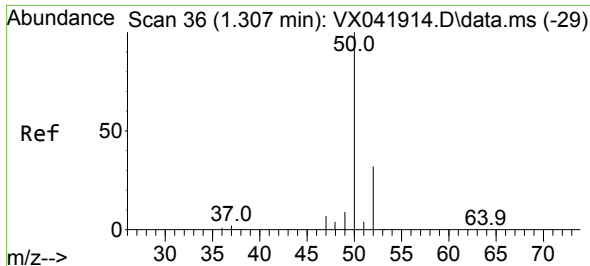
Tgt Ion: 85 Resp: 1138

Ion Ratio Lower Upper

85 100

87 36.3 16.7 50.1

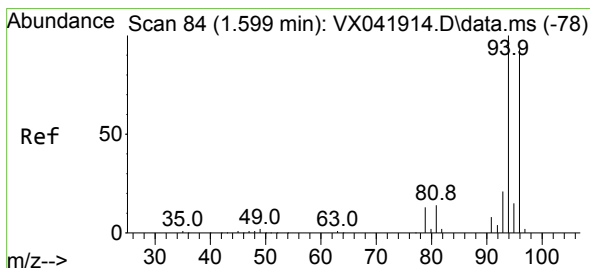
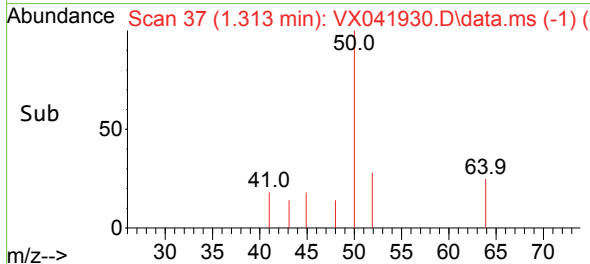
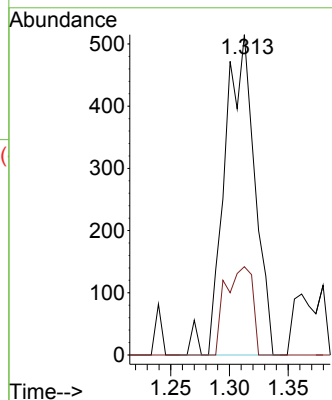
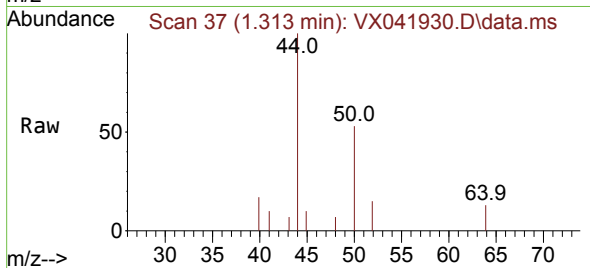




#3
Chloromethane
Concen: 0.740 ug/l
RT: 1.313 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

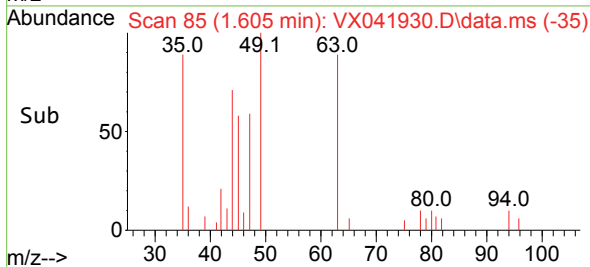
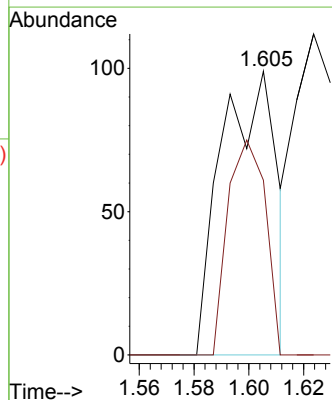
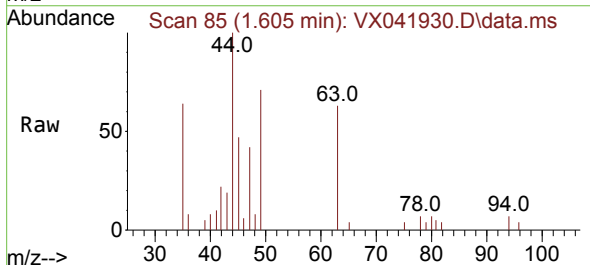
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-478-480

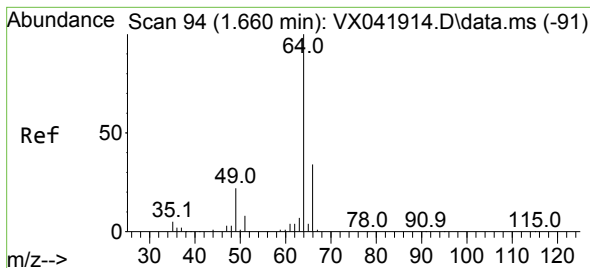
Tgt Ion: 50 Resp: 918
Ion Ratio Lower Upper
50 100
52 27.6 25.5 38.3



#5
Bromomethane
Concen: 0.226 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

Tgt Ion: 94 Resp: 139
Ion Ratio Lower Upper
94 100
96 61.6 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.672 min Scan# 9

Delta R.T. 0.012 min

Lab File: VX041930.D

Acq: 18 Jun 2024 17:59

Instrument :

MSVOA_X

ClientSampleId :

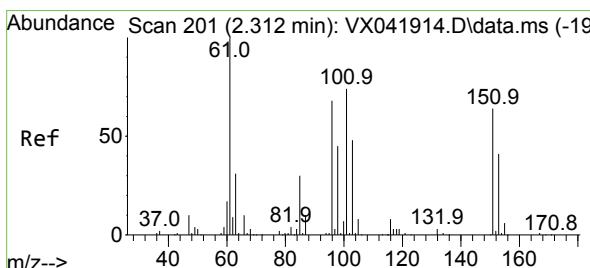
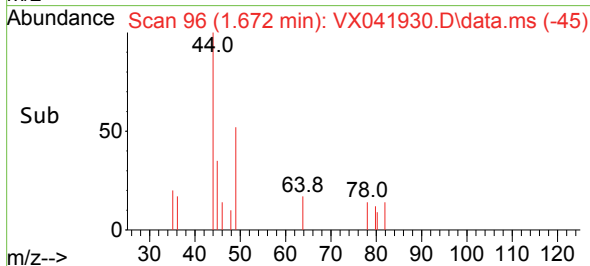
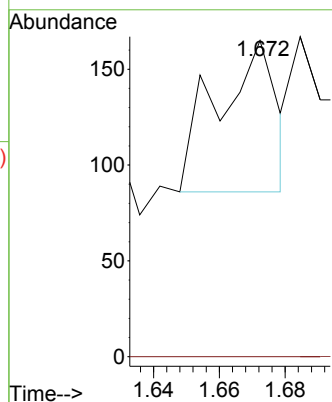
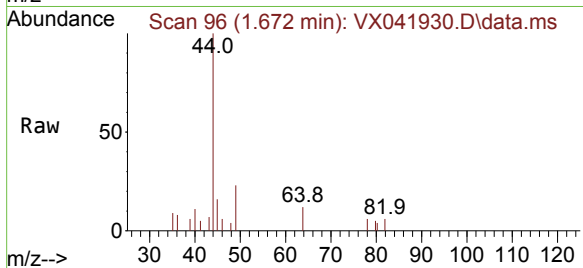
BP-VPB-189-GW-478-480

Tgt Ion: 64 Resp: 99

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.880 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX041930.D

Acq: 18 Jun 2024 17:59

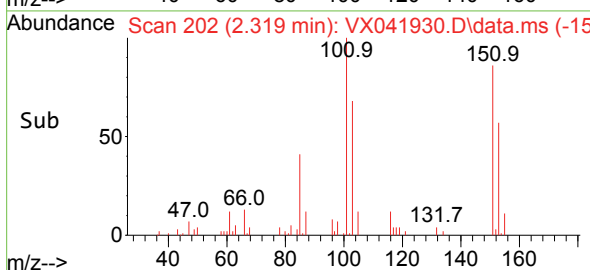
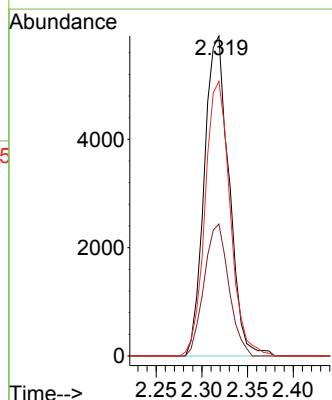
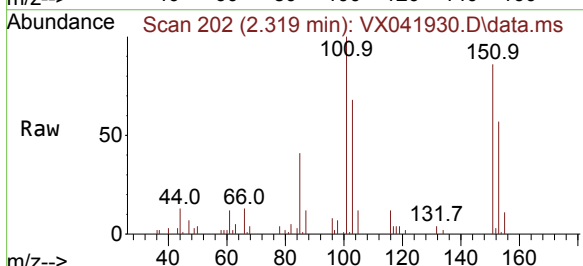
Tgt Ion: 101 Resp: 11094

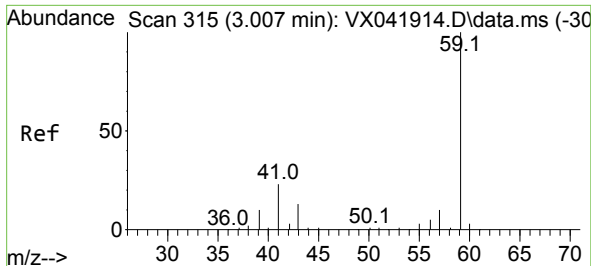
Ion Ratio Lower Upper

101 100

85 41.1 37.0 55.6

151 87.2 58.6 87.8

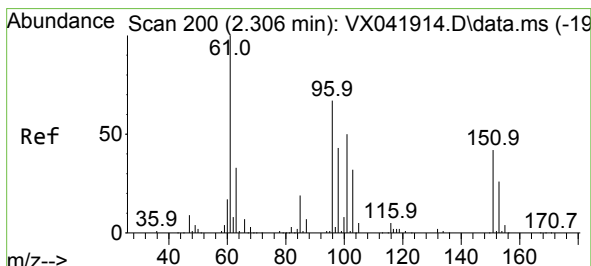
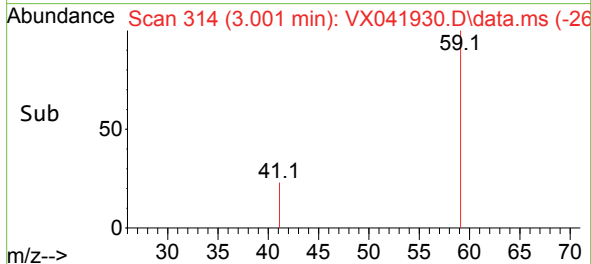
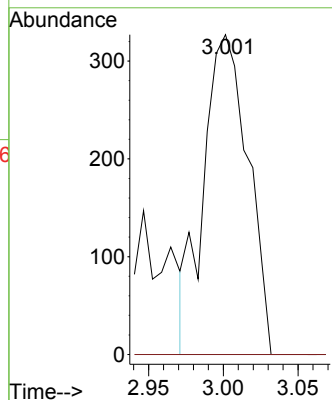
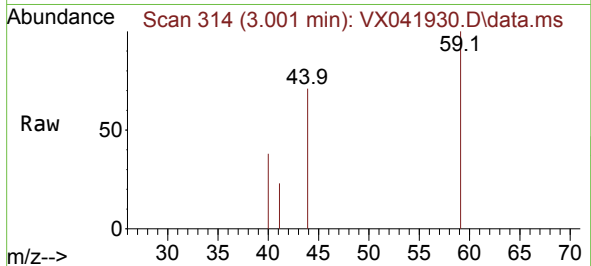




#11
Tert butyl alcohol
Concen: 2.386 ug/l
RT: 3.001 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

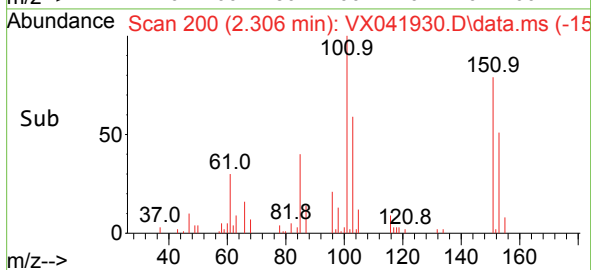
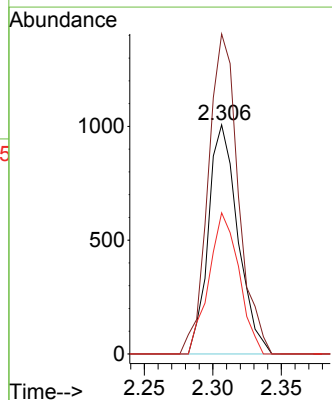
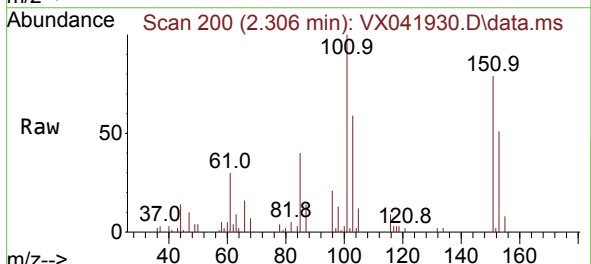
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-478-480

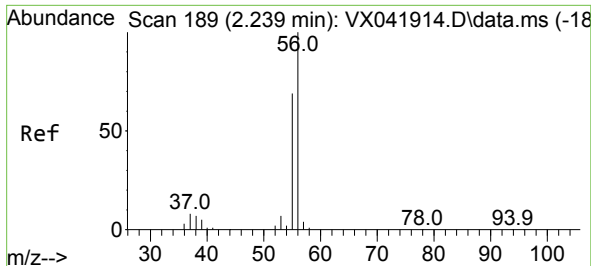
Tgt Ion: 59 Resp: 678
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 1.347 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

Tgt Ion: 96 Resp: 1509
Ion Ratio Lower Upper
96 100
61 139.6 144.6 216.8#
98 61.6 50.4 75.6





#13

Acrolein

Concen: 0.213 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041930.D

Acq: 18 Jun 2024 17:59

Instrument :

MSVOA_X

ClientSampleId :

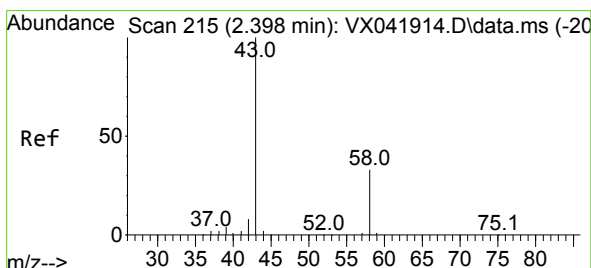
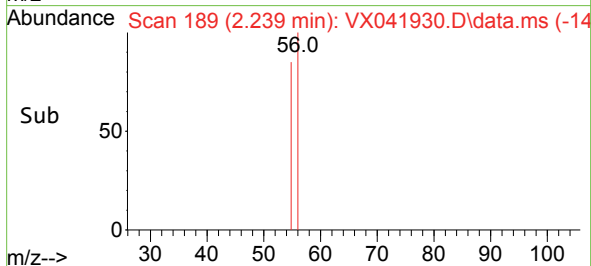
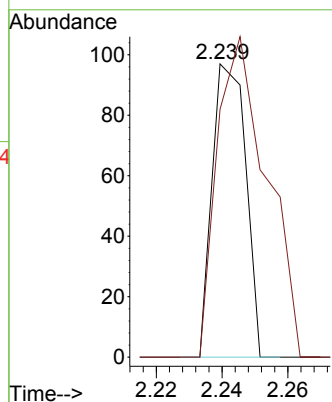
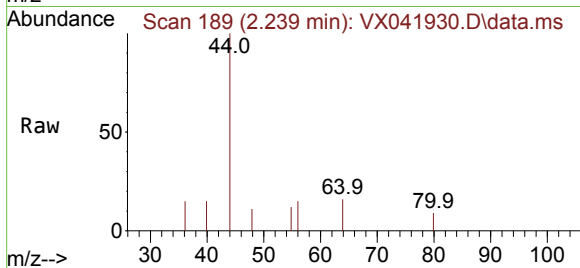
BP-VPB-189-GW-478-480

Tgt Ion: 56 Resp: 68

Ion Ratio Lower Upper

56 100

55 163.2 57.1 85.7#



#16

Acetone

Concen: 9.695 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041930.D

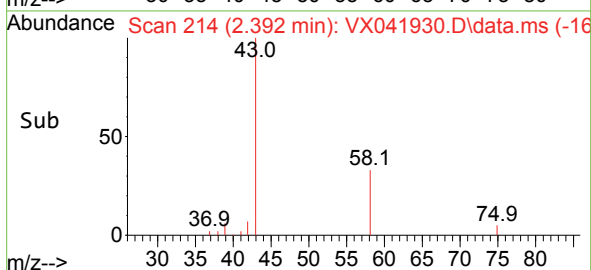
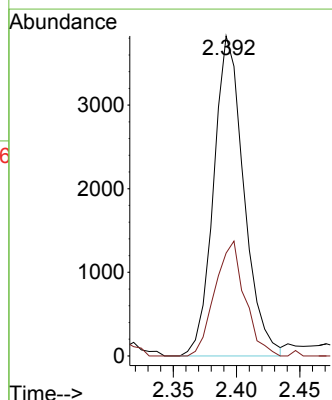
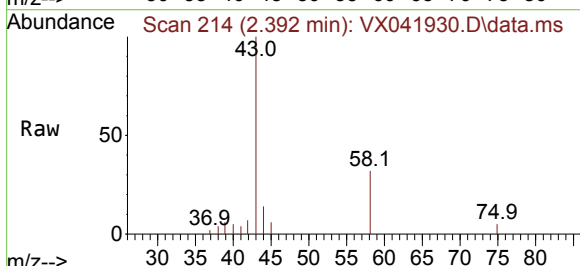
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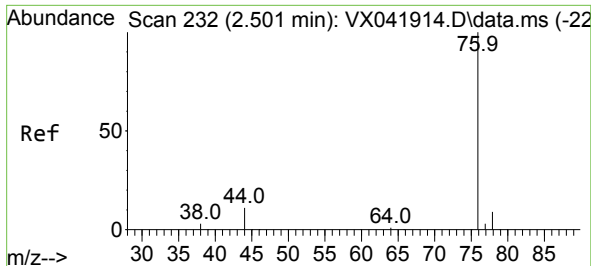
Tgt Ion: 43 Resp: 6375

Ion Ratio Lower Upper

43 100

58 32.2 21.9 32.9





#17

Carbon Disulfide

Concen: 0.328 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX041930.D

Acq: 18 Jun 2024 17:59

Instrument :

MSVOA_X

ClientSampleId :

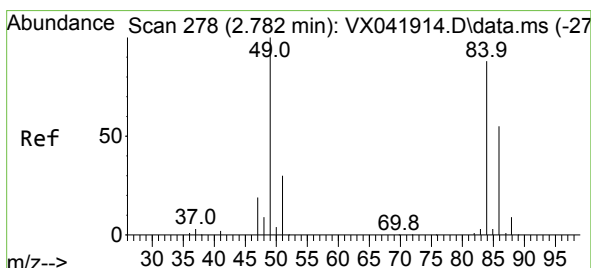
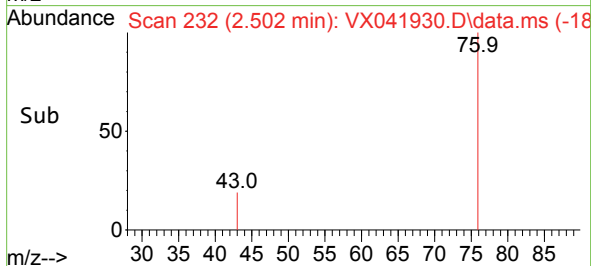
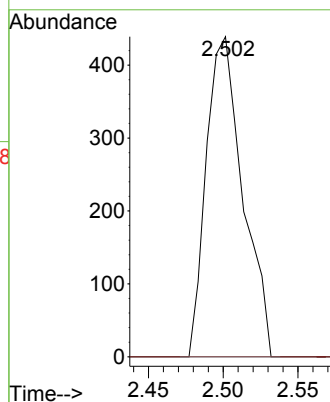
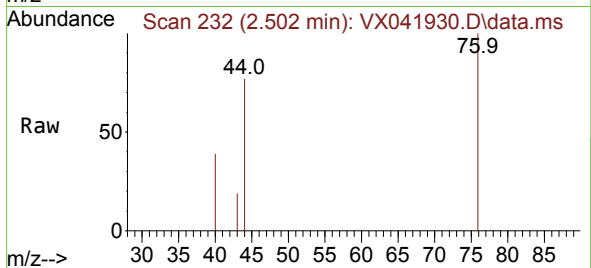
BP-VPB-189-GW-478-480

Tgt Ion: 76 Resp: 748

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.495 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX041930.D

Acq: 18 Jun 2024 17:59

Tgt Ion: 84 Resp: 712

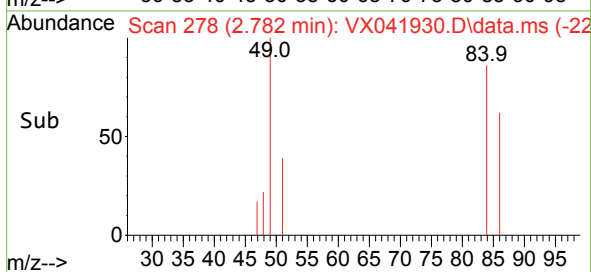
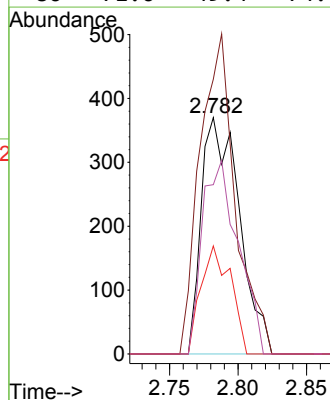
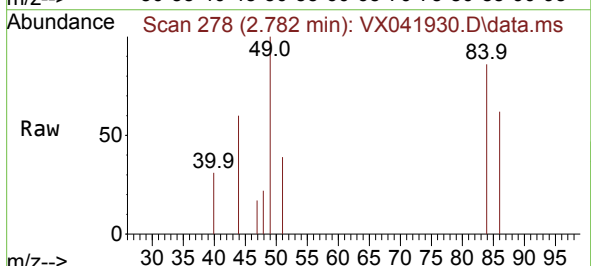
Ion Ratio Lower Upper

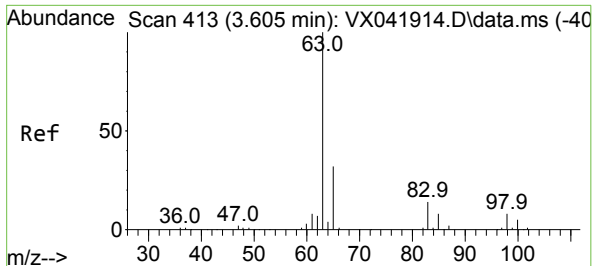
84 100

49 116.2 103.6 155.4

51 45.7 33.8 50.6

86 71.6 49.4 74.0





#24

1,1-Dichloroethane

Concen: 0.586 ug/l

RT: 3.605 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX041930.D

Acq: 18 Jun 2024 17:59

Instrument :

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ClientSampleId :

BP-VPB-189-GW-478-480

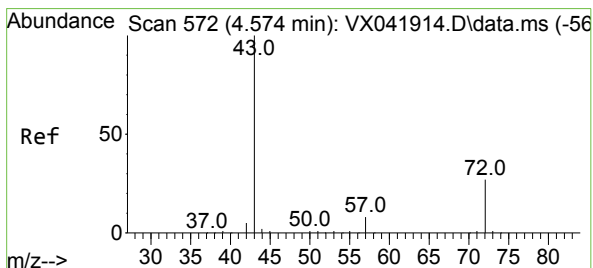
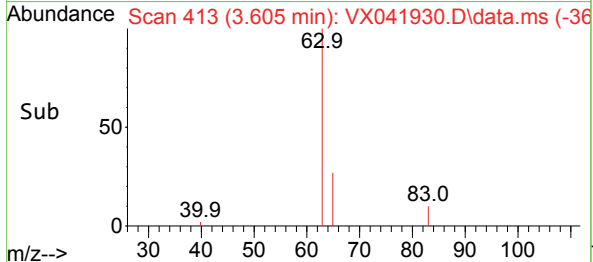
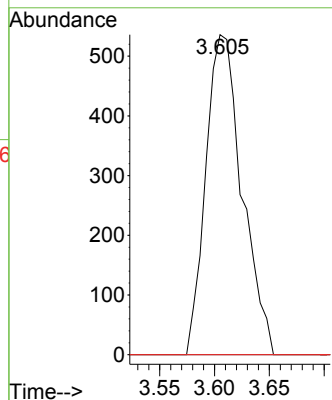
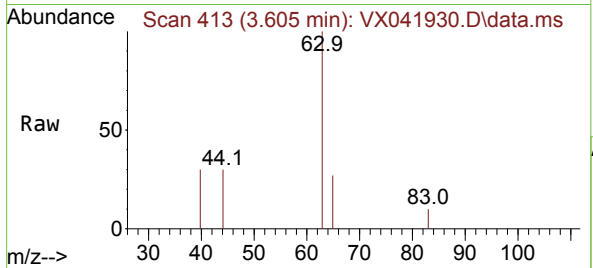
Tgt Ion: 63 Resp: 1233

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.1 6.5#



#25

2-Butanone

Concen: 0.990 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.031 min

Lab File: VX041930.D

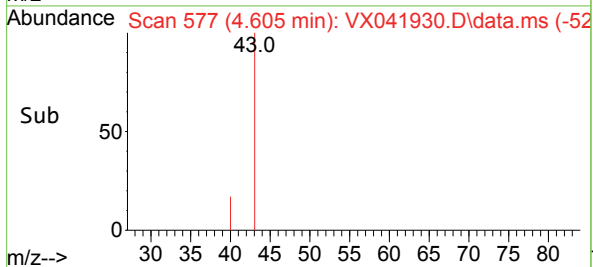
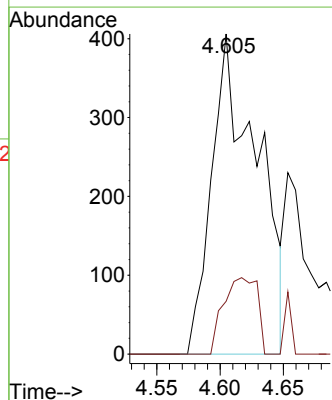
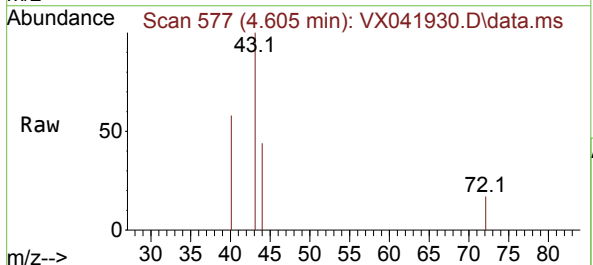
Acq: 18 Jun 2024 17:59

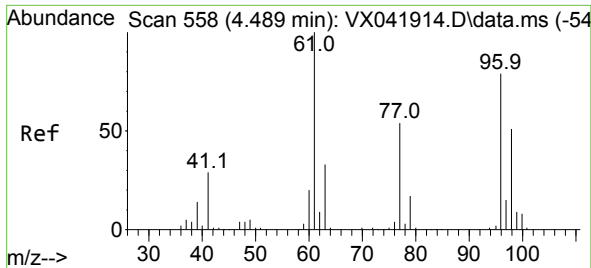
Tgt Ion: 43 Resp: 1013

Ion Ratio Lower Upper

43 100

72 16.5 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 2.723 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX041930.D

Acq: 18 Jun 2024 17:59

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-478-480

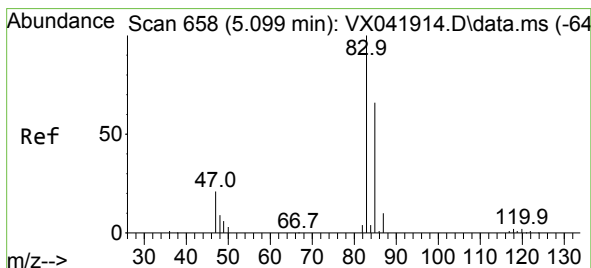
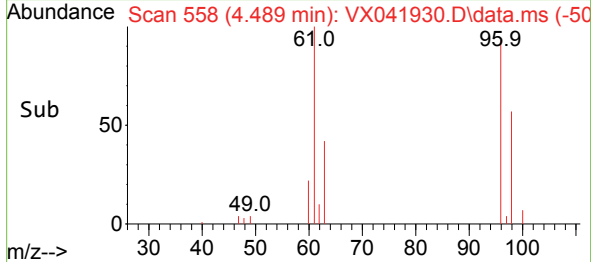
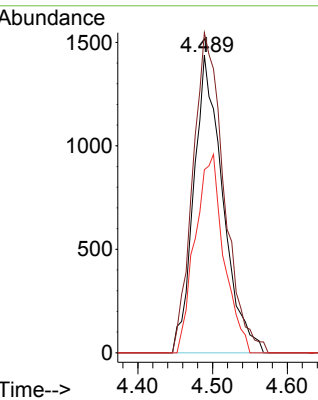
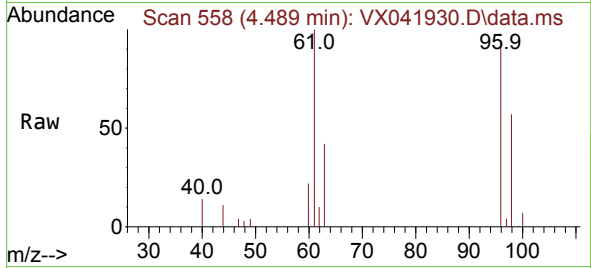
Tgt Ion: 96 Resp: 3877

Ion Ratio Lower Upper

96 100

61 115.8 0.0 312.2

98 66.0 0.0 129.0



#30

Chloroform

Concen: 1.560 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.000 min

Lab File: VX041930.D

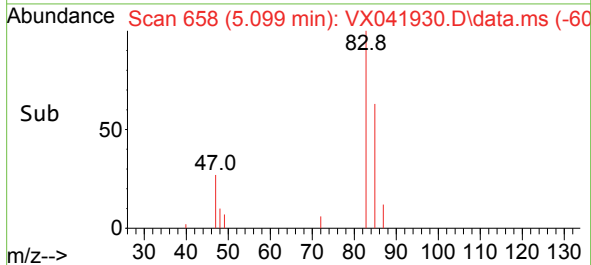
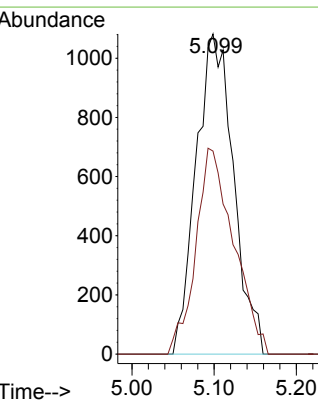
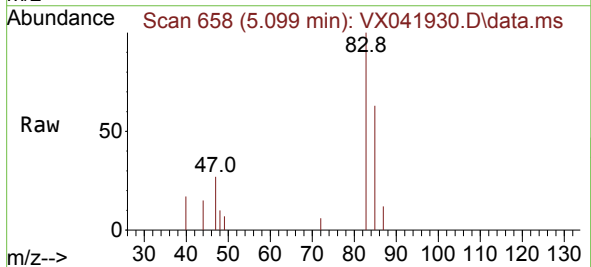
Acq: 18 Jun 2024 17:59

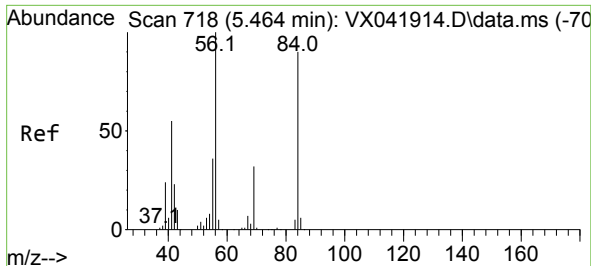
Tgt Ion: 83 Resp: 3418

Ion Ratio Lower Upper

83 100

85 63.4 50.3 75.5

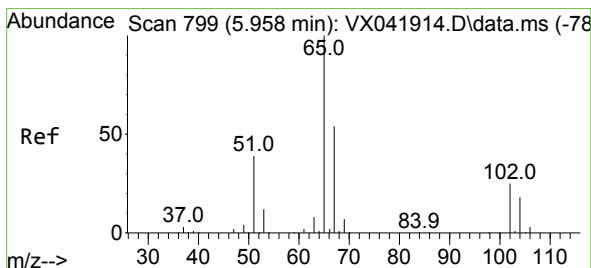
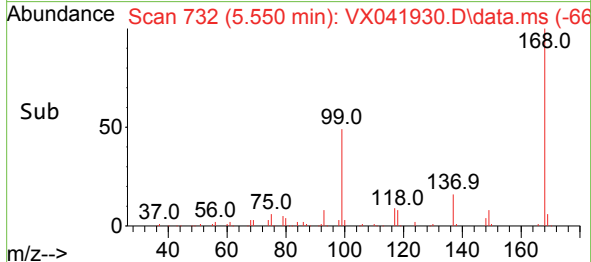
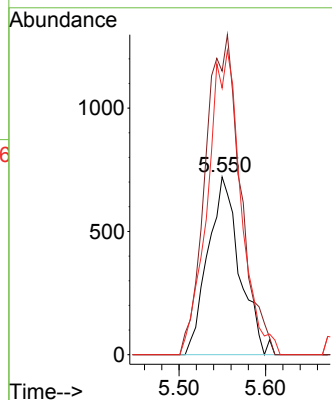
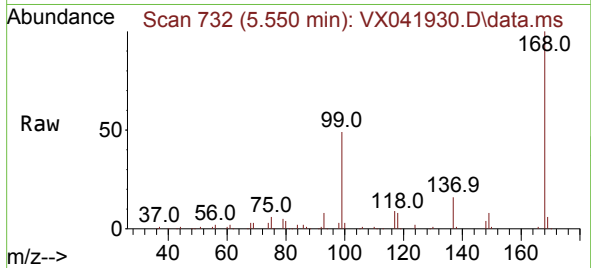




#31
Cyclohexane
Concen: 1.046 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

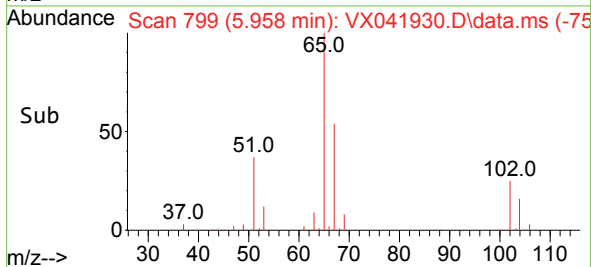
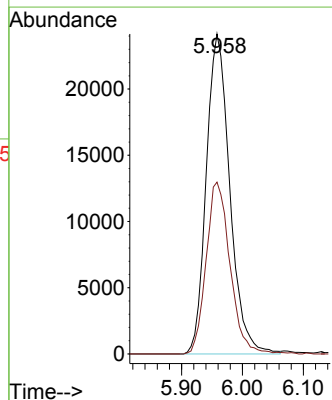
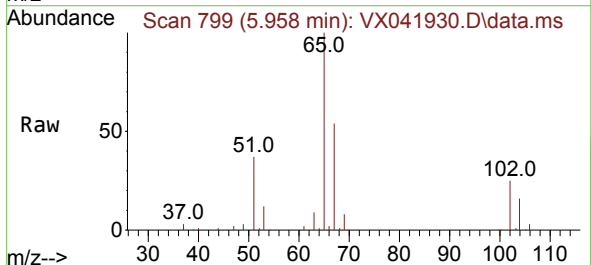
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-478-480

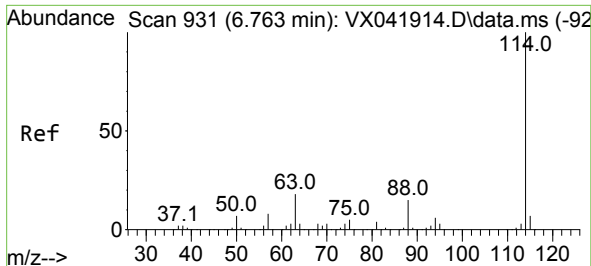
Tgt Ion: 56 Resp: 1832
Ion Ratio Lower Upper
56 100
69 159.5 23.4 35.2#
84 149.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.331 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

Tgt Ion: 65 Resp: 64887
Ion Ratio Lower Upper
65 100
67 54.5 0.0 100.2

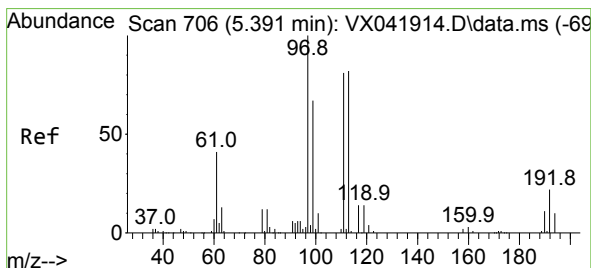
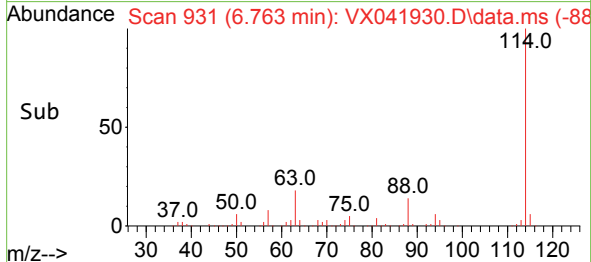
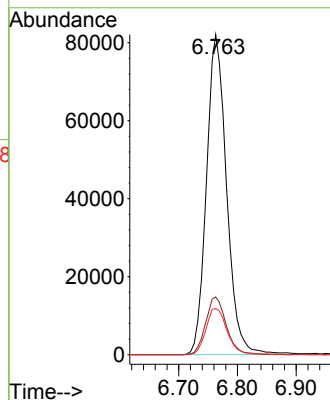
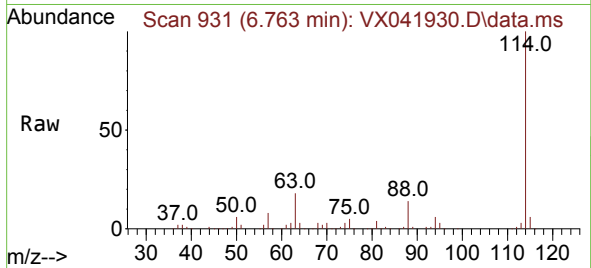




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

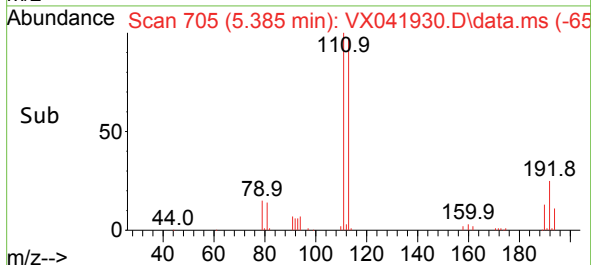
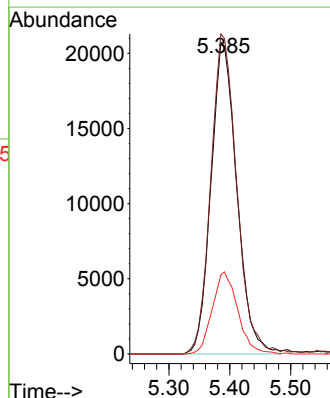
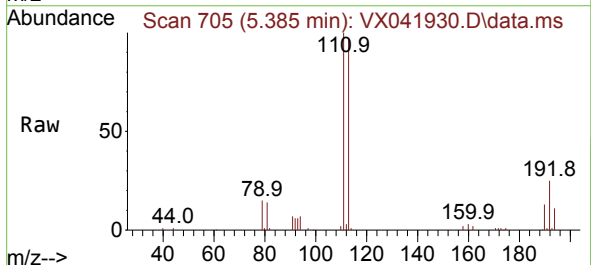
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-478-480

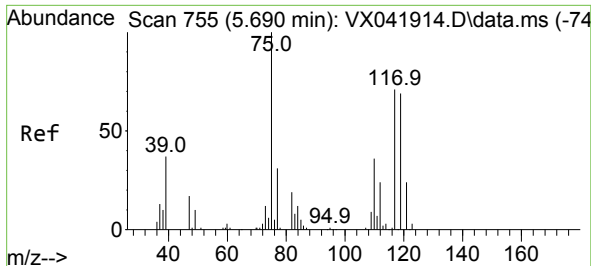
Tgt Ion:114 Resp: 195309
Ion Ratio Lower Upper
114 100
63 18.0 0.0 45.0
88 14.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.072 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

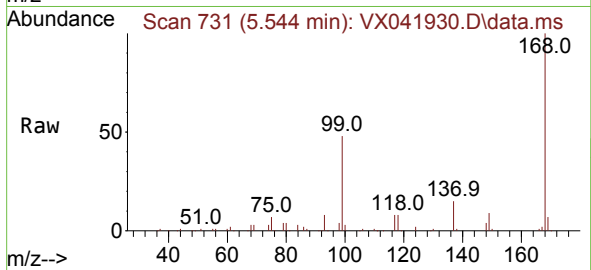
Tgt Ion:113 Resp: 61076
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 25.9 13.3 19.9#



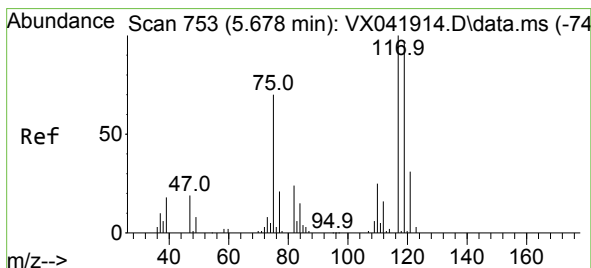
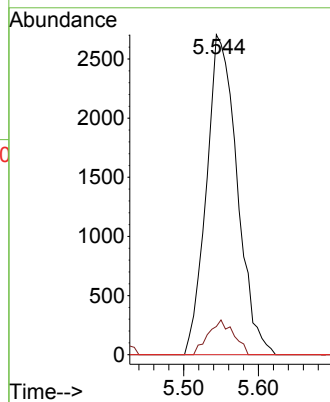
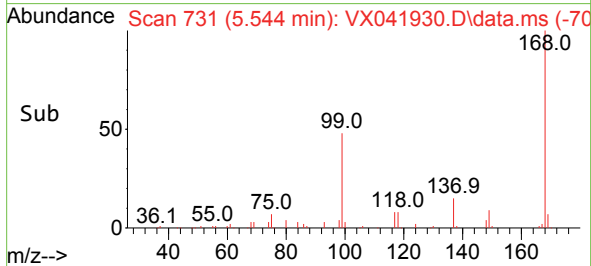


#36
1,1-Dichloropropene
Concen: 5.243 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-478-480

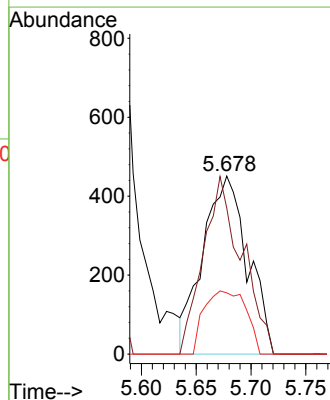
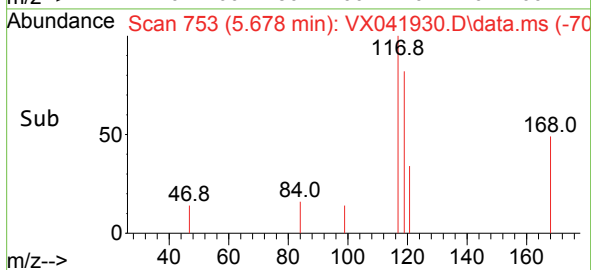
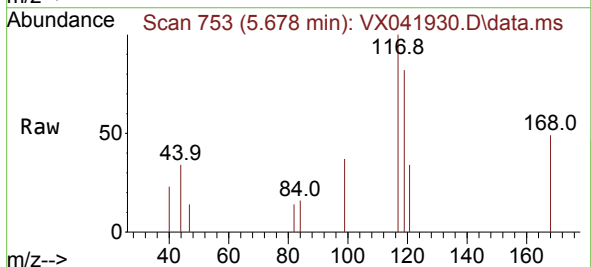


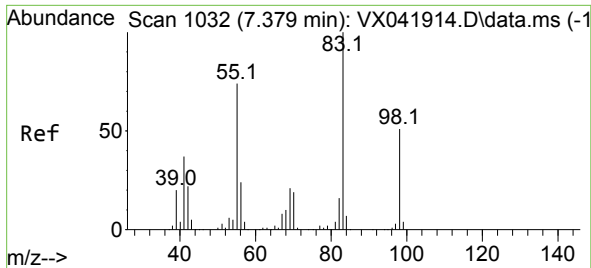
Tgt Ion: 75 Resp: 7716
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.785 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

Tgt Ion: 117 Resp: 1277
Ion Ratio Lower Upper
117 100
119 82.0 78.2 117.2
121 34.4 24.4 36.6

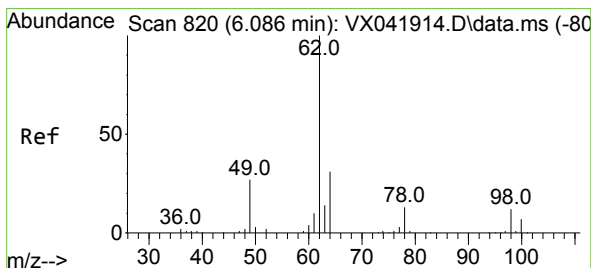
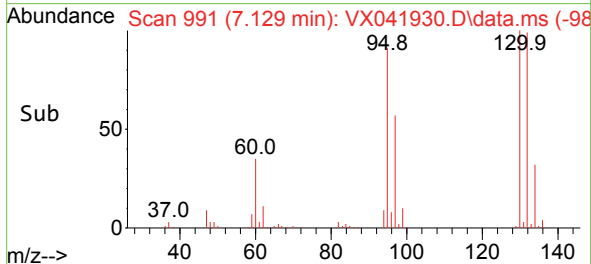
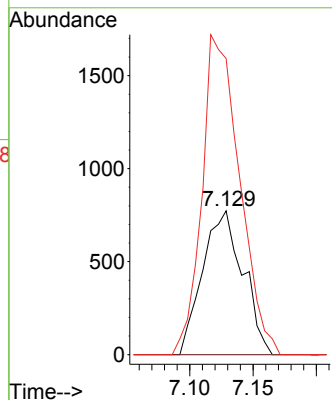
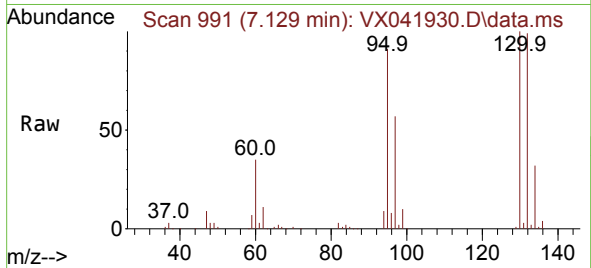




#39
Methylcyclohexane
Concen: 0.925 ug/l
RT: 7.129 min Scan# 91
Delta R.T. -0.250 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

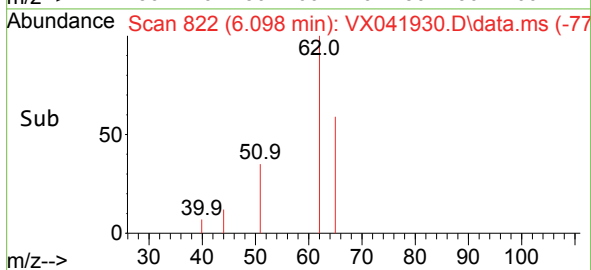
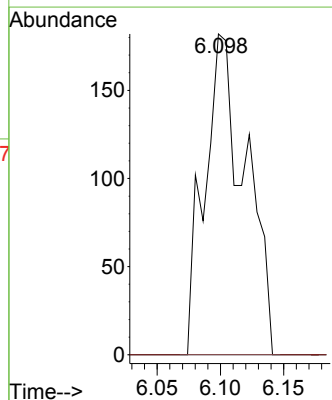
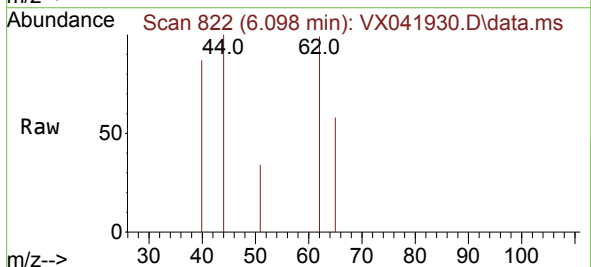
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-478-480

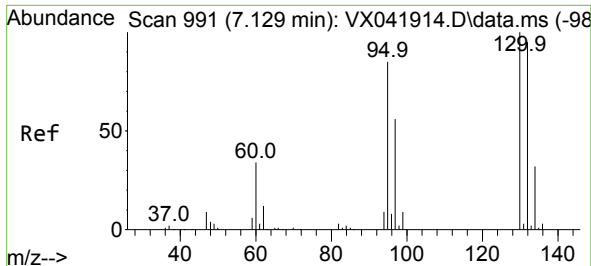
Tgt Ion: 83 Resp: 1721
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 206.0 36.7 55.1#



#42
1,2-Dichloroethane
Concen: 0.257 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

Tgt Ion: 62 Resp: 411
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

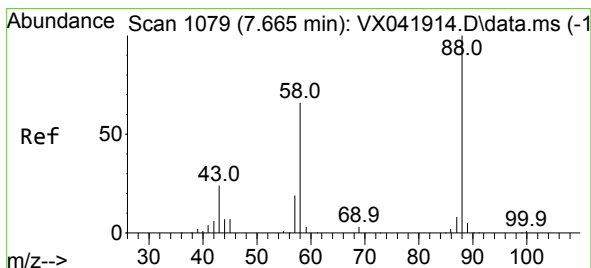
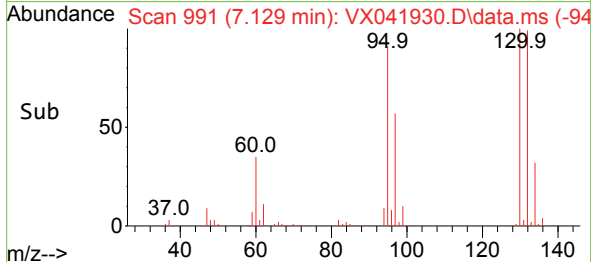
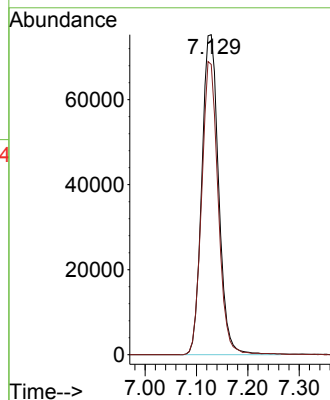
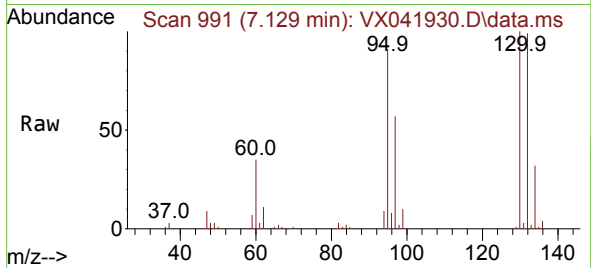




#44
Trichloroethene
Concen: 128.742 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

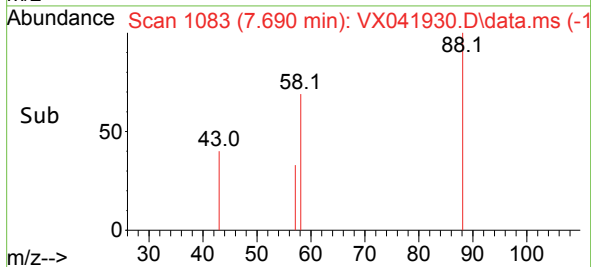
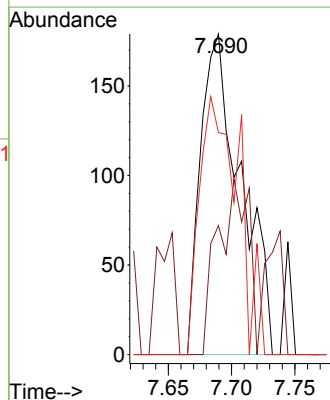
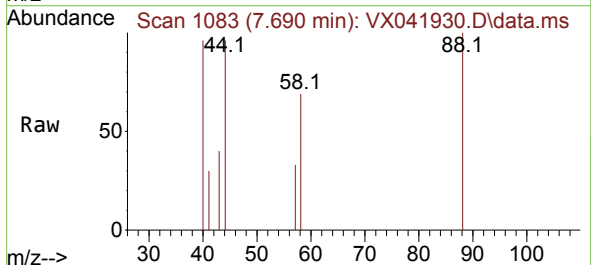
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-478-480

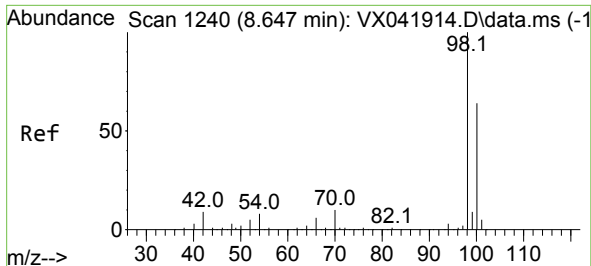
Tgt Ion:130 Resp: 171277
Ion Ratio Lower Upper
130 100
95 90.7 0.0 204.4



#49
1,4-Dioxane
Concen: 30.376 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.025 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

Tgt Ion: 88 Resp: 396
Ion Ratio Lower Upper
88 100
43 41.9 0.0 0.0#
58 78.8 60.1 90.1

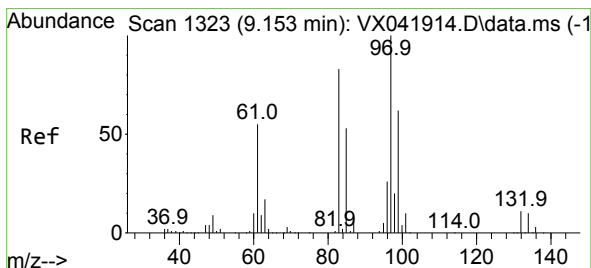
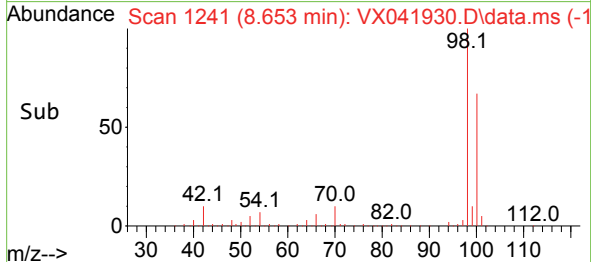
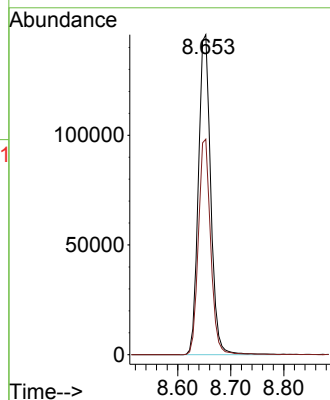
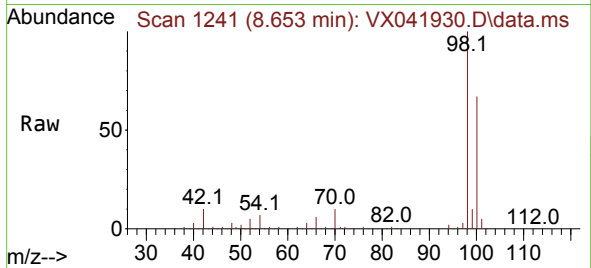




#50
Toluene-d8
Concen: 48.489 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

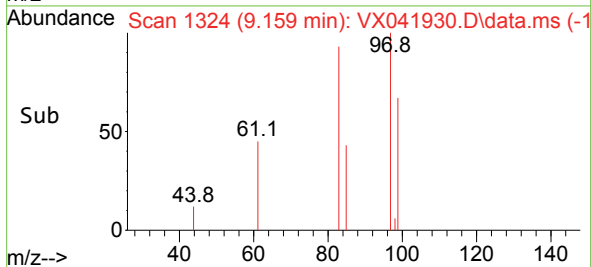
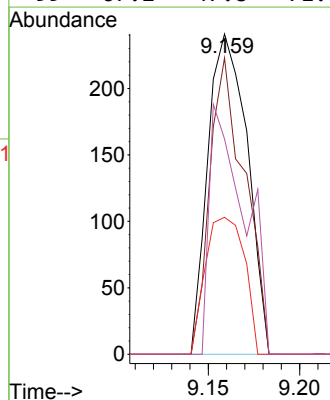
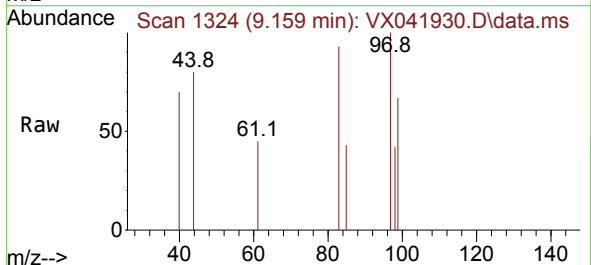
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-478-480

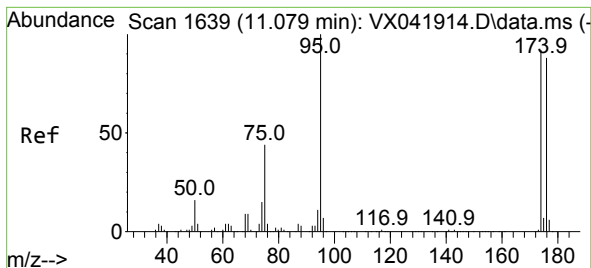
Tgt Ion: 98 Resp: 236066
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7



#55
1,1,2-Trichloroethane
Concen: 0.274 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

Tgt Ion: 97 Resp: 361
Ion Ratio Lower Upper
97 100
83 92.5 65.8 98.8
85 42.7 41.6 62.4
99 67.2 47.8 71.8

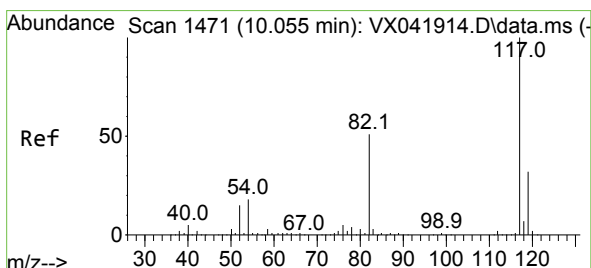
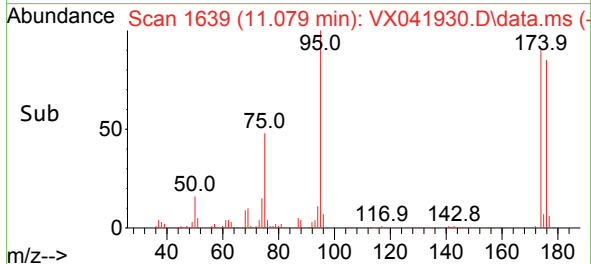
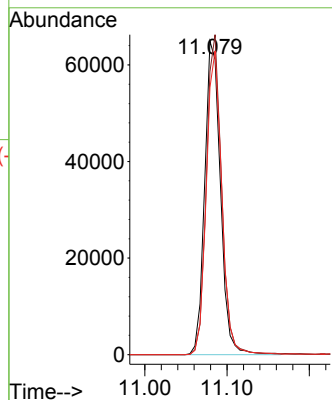
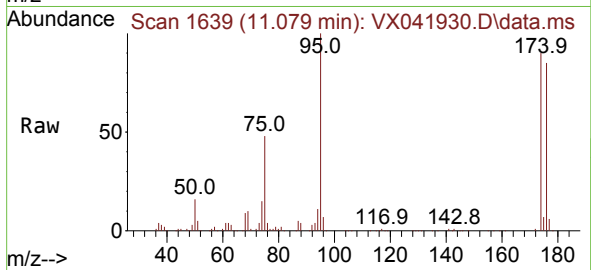




#62
4-Bromofluorobenzene
Concen: 48.086 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

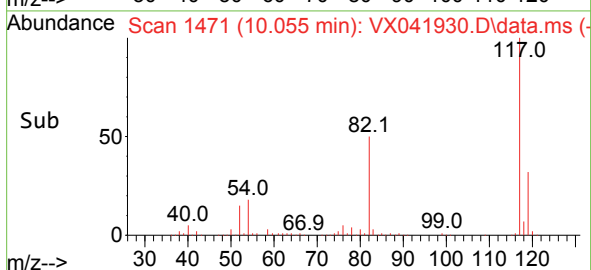
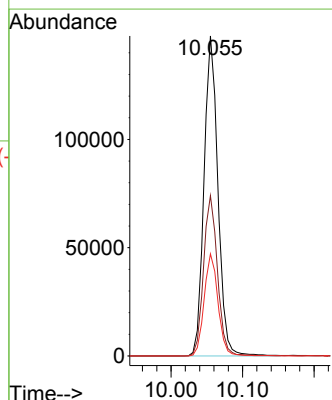
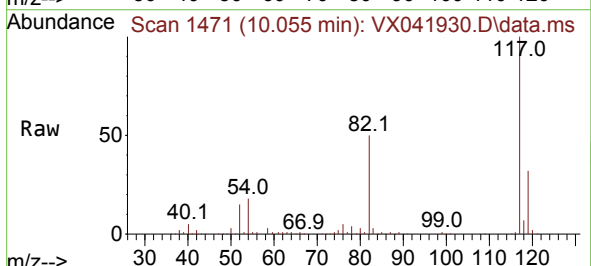
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-478-480

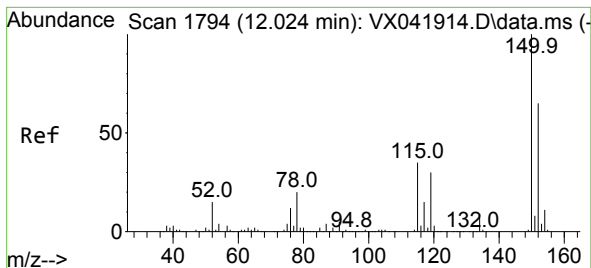
Tgt Ion: 95 Resp: 86297
Ion Ratio Lower Upper
95 100
174 99.1 0.0 135.6
176 95.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

Tgt Ion: 117 Resp: 199737
Ion Ratio Lower Upper
117 100
82 50.1 46.2 69.4
119 31.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041930.D

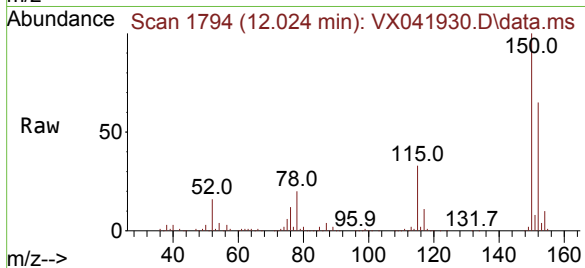
Acq: 18 Jun 2024 17:59

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-478-480



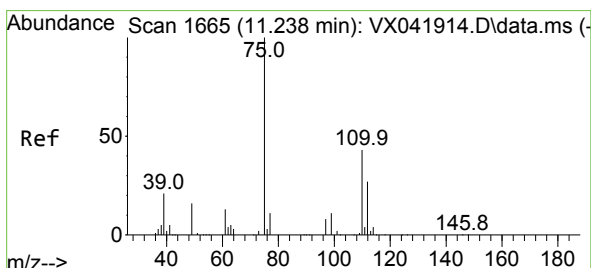
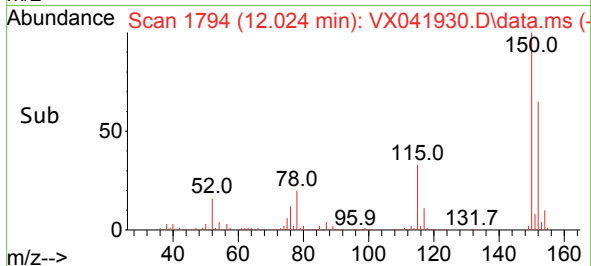
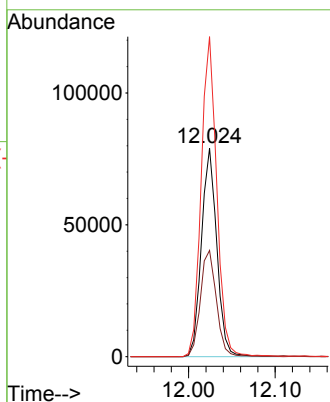
Tgt Ion:152 Resp: 97551

Ion Ratio Lower Upper

152 100

115 53.2 43.3 129.9

150 155.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.003 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041930.D

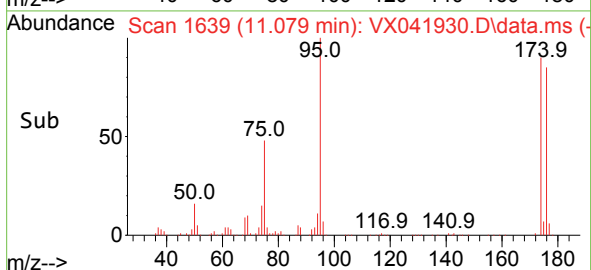
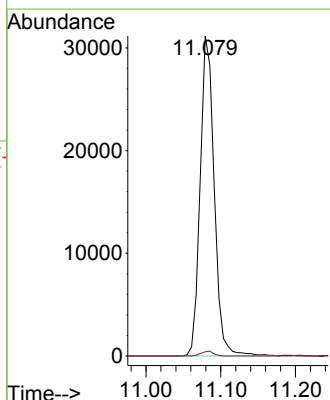
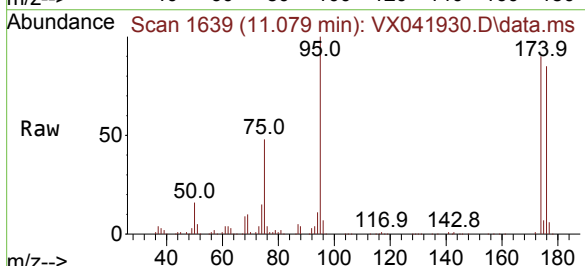
Acq: 18 Jun 2024 17:59

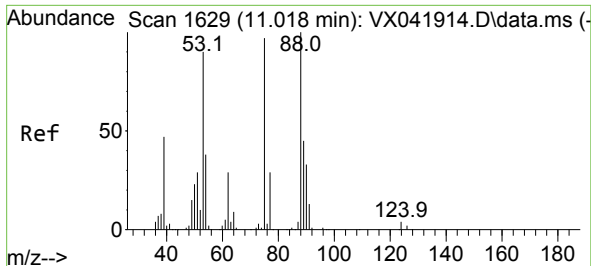
Tgt Ion: 75 Resp: 40737

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

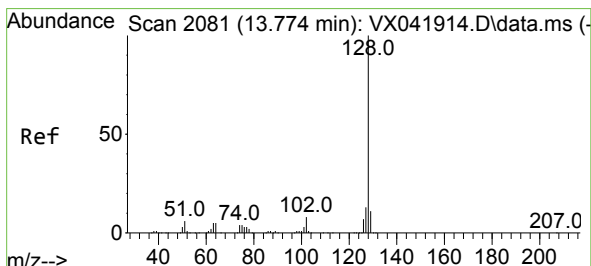
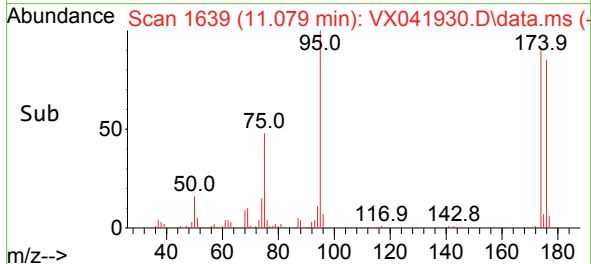
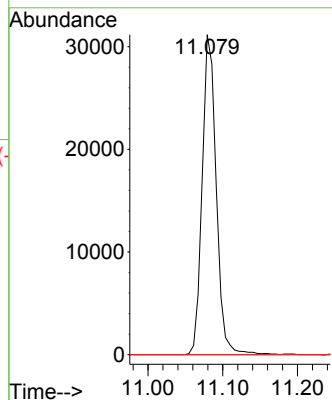
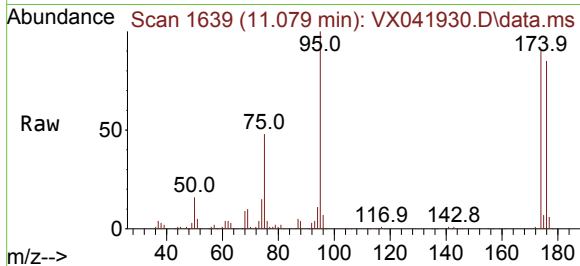




#81
trans-1,4-Dichloro-2-butene
Concen: 65.326 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-478-480

Tgt Ion: 75 Resp: 40737
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.789 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX041930.D
Acq: 18 Jun 2024 17:59

Tgt Ion: 128 Resp: 294
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

