

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062124\
 Data File : VX041982.D
 Acq On : 21 Jun 2024 15:59
 Operator : JC/MD
 Sample : P3003-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

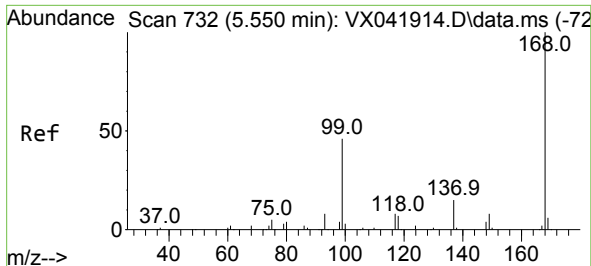
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-189-GW-583-585

Quant Time: Jun 22 04:43:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	126262	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	194844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64149	44.060	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.120%		
35) Dibromofluoromethane	5.391	113	61419	44.425	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.860%		
50) Toluene-d8	8.653	98	230861	47.533	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.060%		
62) 4-Bromofluorobenzene	11.079	95	85361	47.678	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.360%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	828	0.861	ug/l	95
3) Chloromethane	1.294	50	311	0.258	ug/l #	43
5) Bromomethane	1.599	94	298	0.499	ug/l #	74
6) Chloroethane	1.691	64	40	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.319	101	26240	24.035	ug/l	89
11) Tert butyl alcohol	2.995	59	624	2.258	ug/l #	78
12) 1,1-Dichloroethene	2.306	96	4900	4.499	ug/l	79
16) Acetone	2.386	43	2725	4.262	ug/l	97
17) Carbon Disulfide	2.501	76	475	0.214	ug/l #	76
20) Methylene Chloride	2.782	84	497	0.355	ug/l	84
24) 1,1-Dichloroethane	3.611	63	1668	0.816	ug/l #	83
25) 2-Butanone	4.623	43	478	0.481	ug/l #	51
27) cis-1,2-Dichloroethene	4.501	96	4150	2.998	ug/l	83
30) Chloroform	5.105	83	1692	0.794	ug/l	88
31) Cyclohexane	5.544	56	1798	1.056	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	564	0.317	ug/l #	52
36) 1,1-Dichloropropene	5.556	75	7324	4.989	ug/l #	52
38) Carbon Tetrachloride	5.672	117	1847	1.139	ug/l #	81
39) Methylcyclohexane	7.123	83	4799	2.585	ug/l #	1
44) Trichloroethene	7.123	130	469842	354.005	ug/l	89
49) 1,4-Dioxane	7.702	88	329	28.630	ug/l #	30
51) 4-Methyl-2-Pentanone	8.647	43	889	0.440	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1105	0.841	ug/l	95
60) Dibromochloromethane	9.281	129	339	0.238	ug/l #	11
64) Tetrachloroethene	9.281	164	472	0.335	ug/l #	80
76) 1,2,3-Trichloropropane	11.079	75	40250	22.890	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40250	65.007	ug/l #	5
95) Naphthalene	13.786	128	231	0.781	ug/l #	69

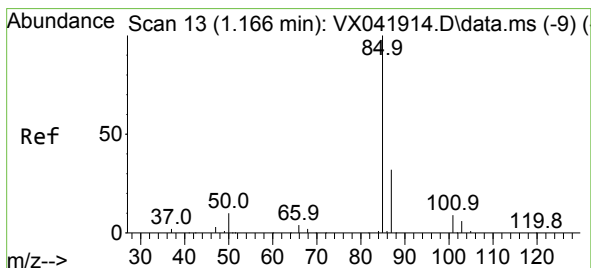
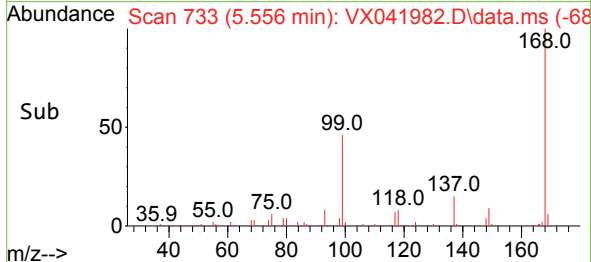
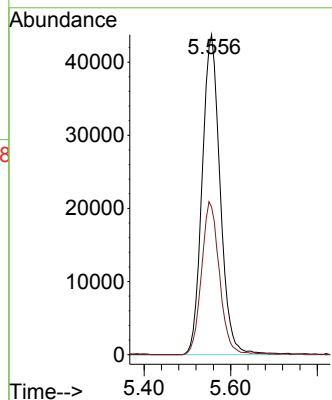
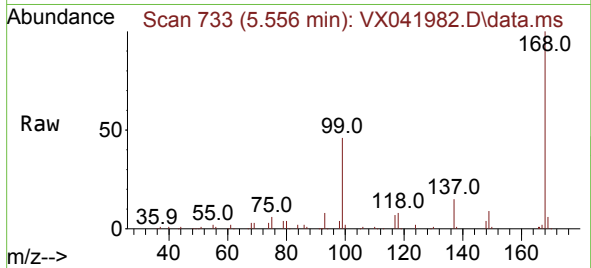
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

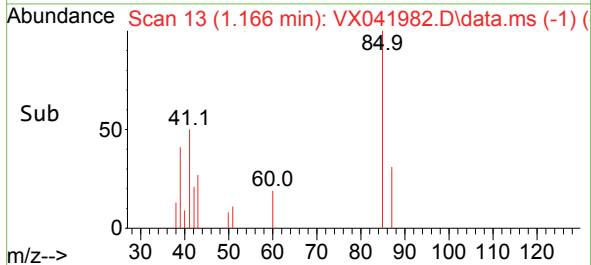
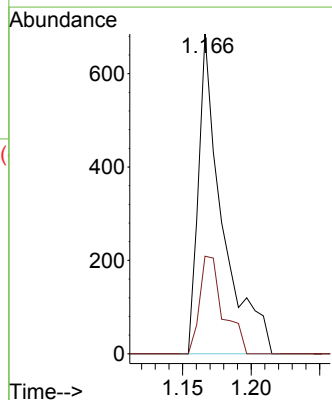
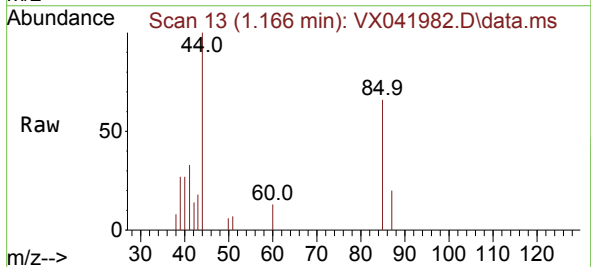
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

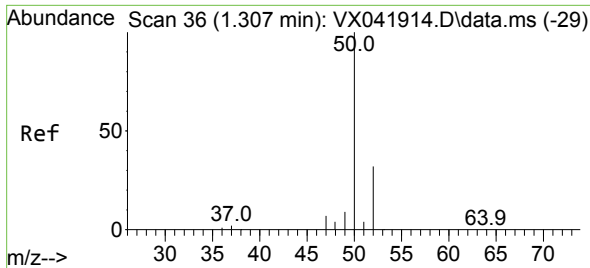
Tgt Ion:168 Resp: 126262
Ion Ratio Lower Upper
168 100
99 46.1 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.861 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Tgt Ion: 85 Resp: 828
Ion Ratio Lower Upper
85 100
87 30.5 16.7 50.1

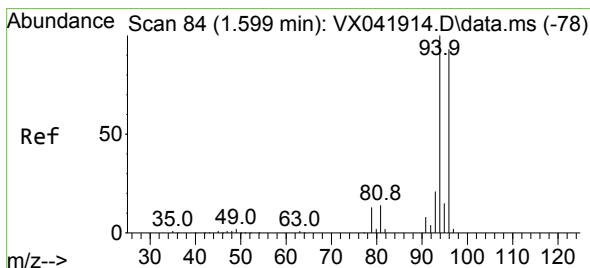
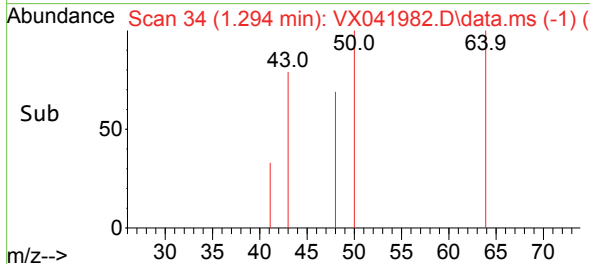
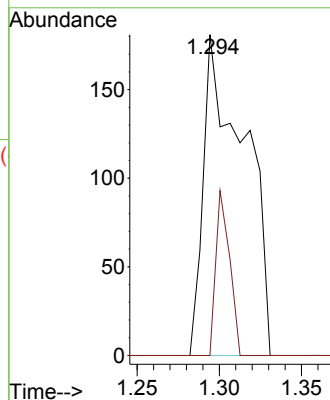
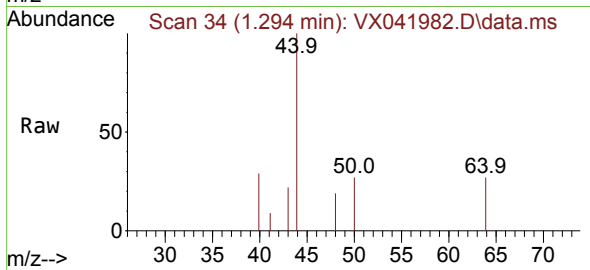




#3
Chloromethane
Concen: 0.258 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

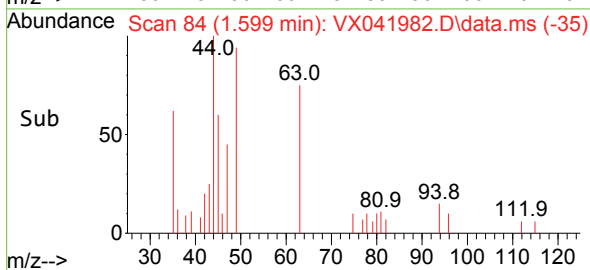
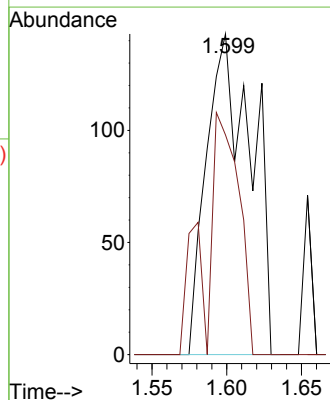
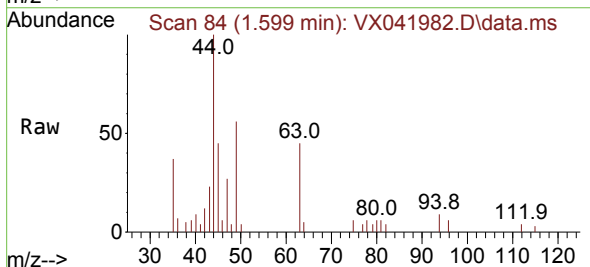
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

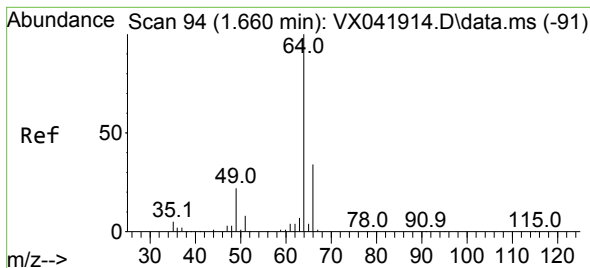
Tgt Ion: 50 Resp: 311
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



#5
Bromomethane
Concen: 0.499 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Tgt Ion: 94 Resp: 298
Ion Ratio Lower Upper
94 100
96 68.5 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.691 min Scan# 94

Delta R.T. 0.031 min

Lab File: VX041982.D

Acq: 21 Jun 2024 15:59

Instrument :

MSVOA_X

ClientSampleId :

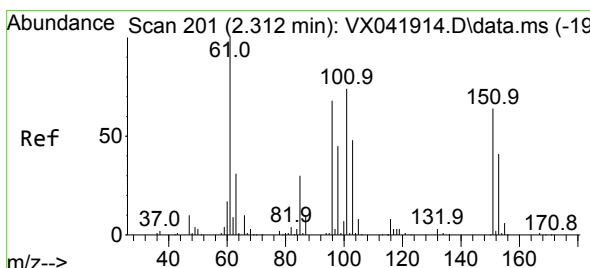
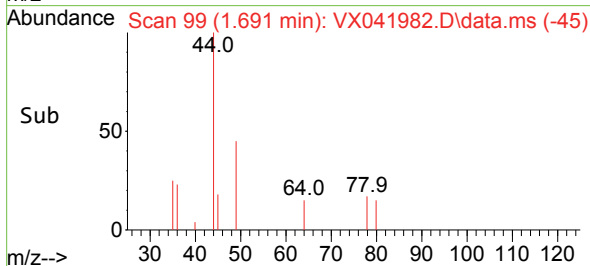
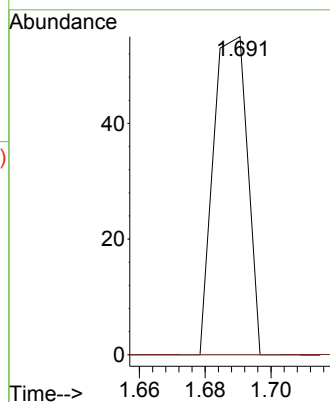
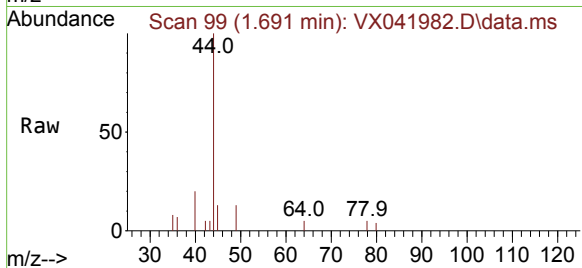
BP-VPB-189-GW-583-585

Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.035 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX041982.D

Acq: 21 Jun 2024 15:59

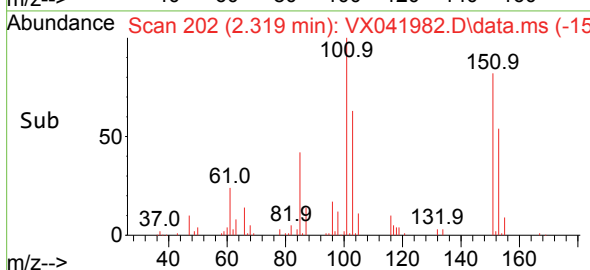
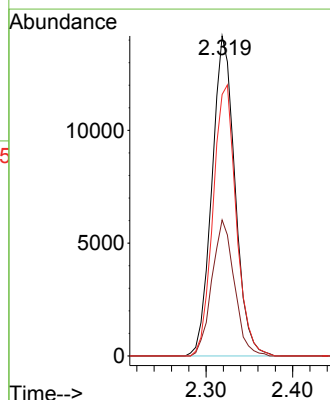
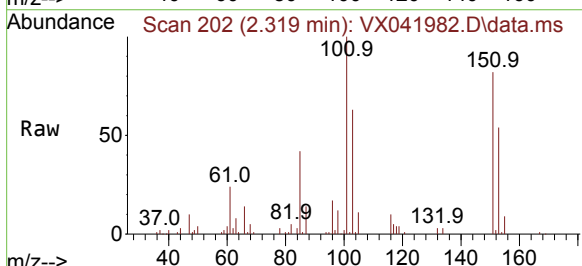
Tgt Ion:101 Resp: 26240

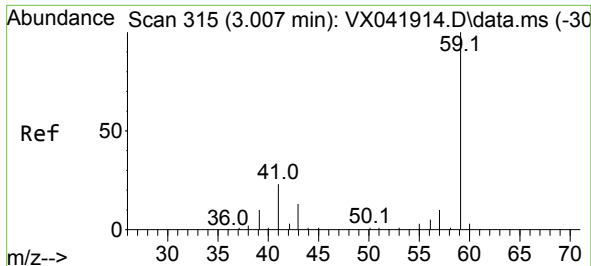
Ion Ratio Lower Upper

101 100

85 41.3 37.0 55.6

151 84.9 58.6 87.8





#11

Tert butyl alcohol

Concen: 2.258 ug/l

RT: 2.995 min Scan# 315

Delta R.T. -0.012 min

Lab File: VX041982.D

Acq: 21 Jun 2024 15:59

Instrument :

MSVOA_X

ClientSampleId :

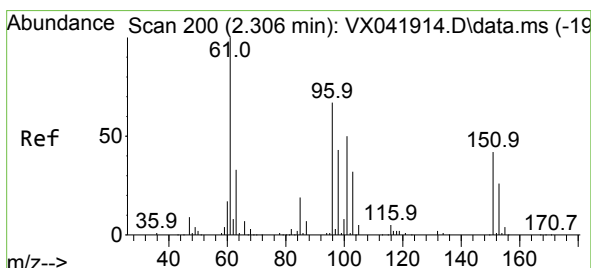
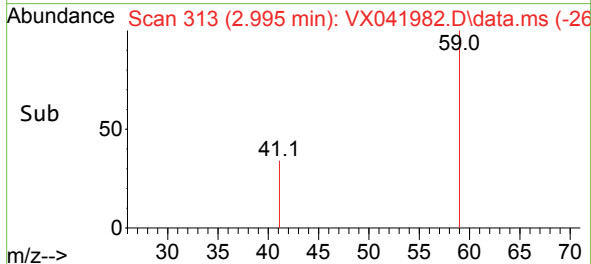
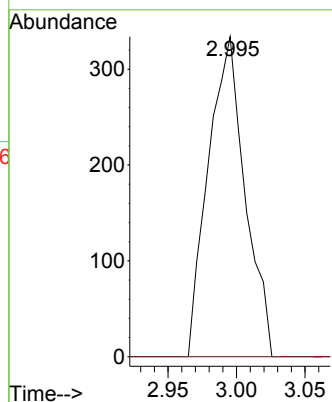
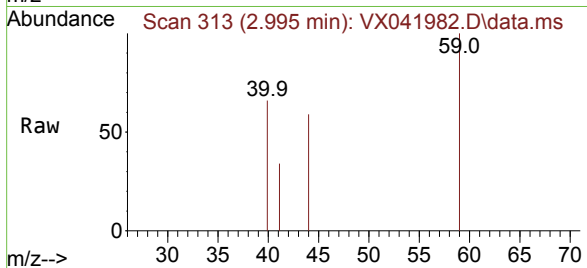
BP-VPB-189-GW-583-585

Tgt Ion: 59 Resp: 624

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 4.499 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX041982.D

Acq: 21 Jun 2024 15:59

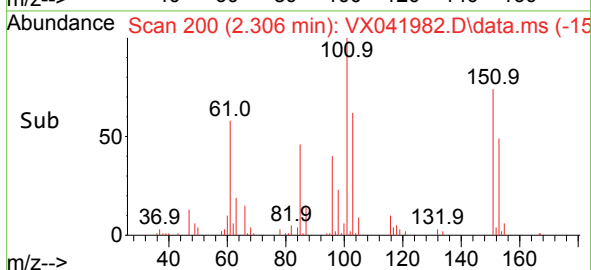
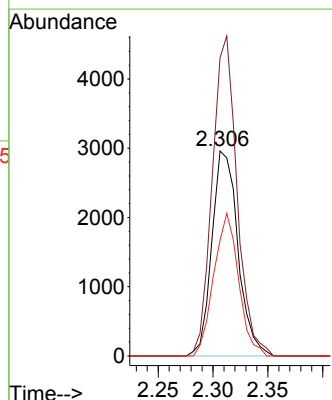
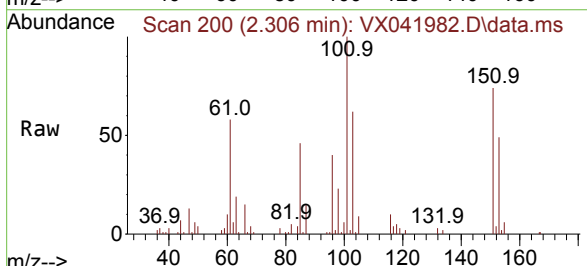
Tgt Ion: 96 Resp: 4900

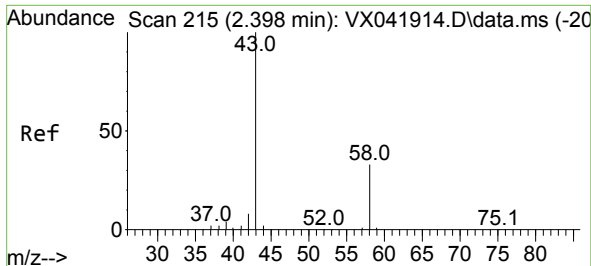
Ion Ratio Lower Upper

96 100

61 145.5 144.6 216.8

98 56.4 50.4 75.6

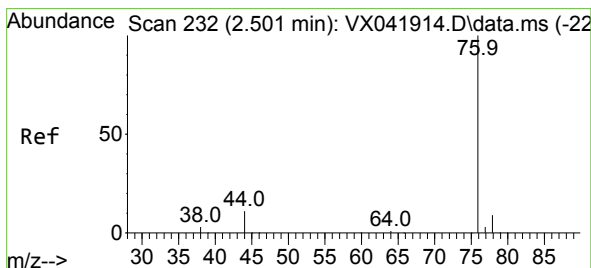
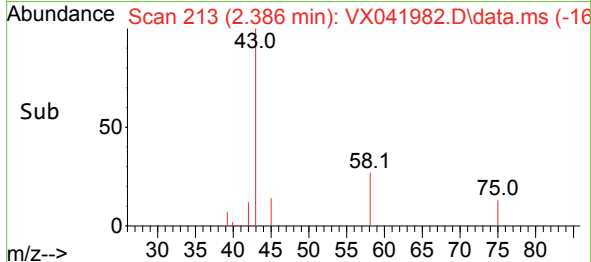
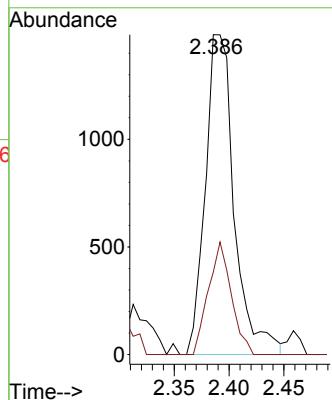
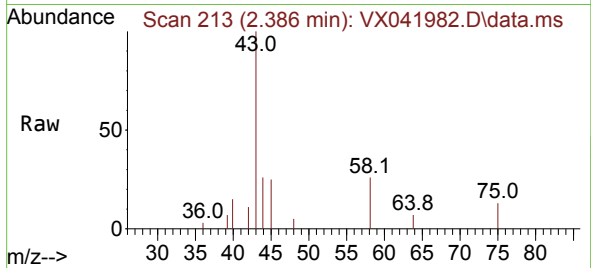




#16
Acetone
Concen: 4.262 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

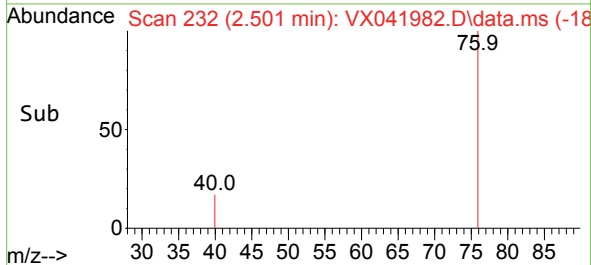
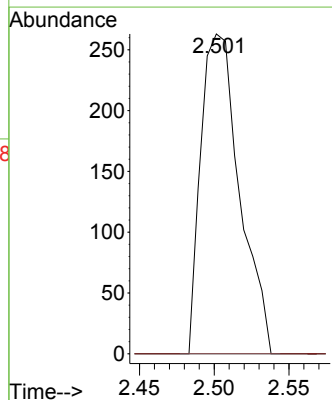
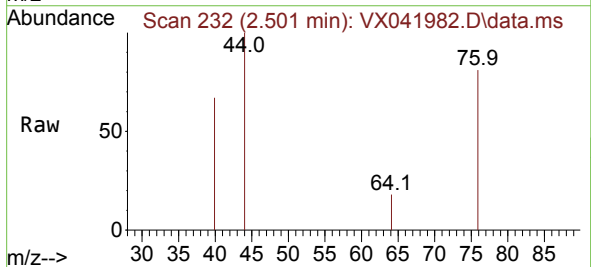
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

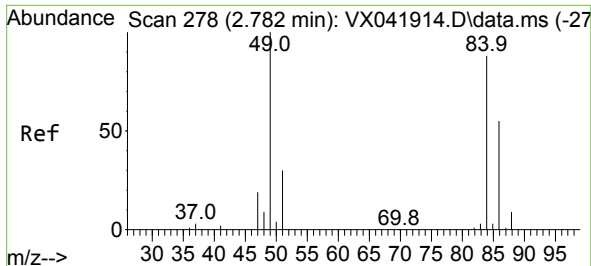
Tgt Ion: 43 Resp: 2725
Ion Ratio Lower Upper
43 100
58 25.8 21.9 32.9



#17
Carbon Disulfide
Concen: 0.214 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

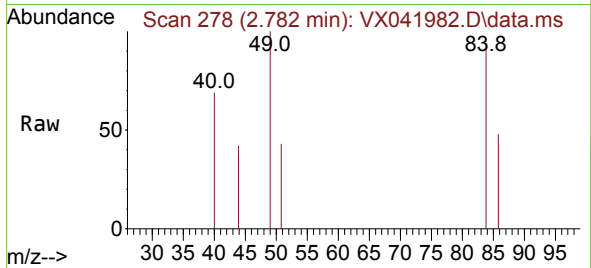
Tgt Ion: 76 Resp: 475
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



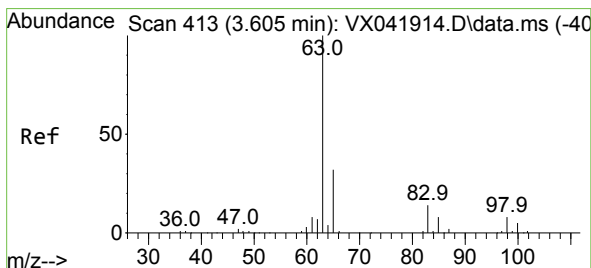
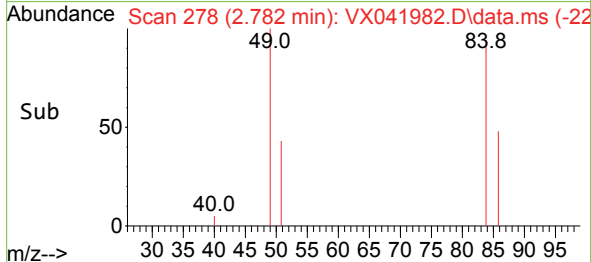
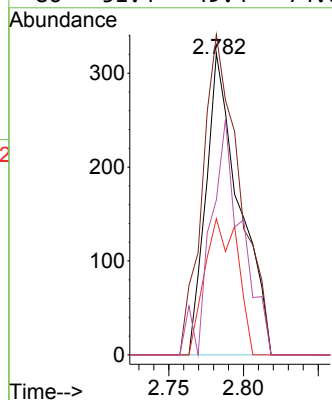


#20
Methylene Chloride
Concen: 0.355 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

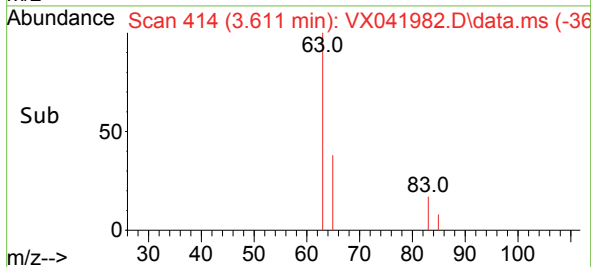
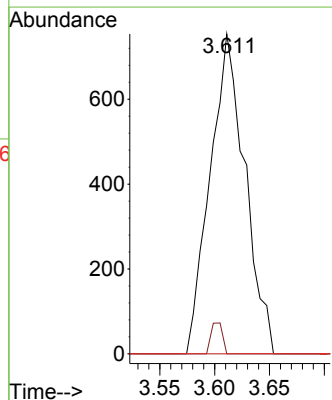
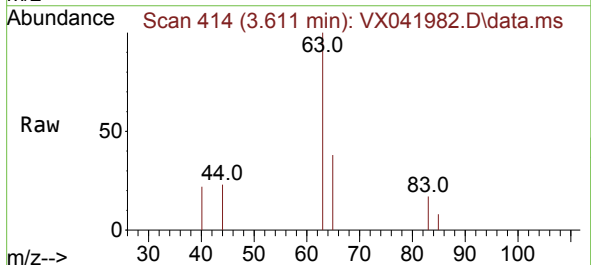


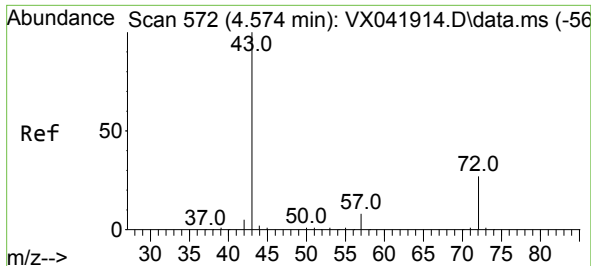
Tgt Ion:	84	Resp:	497
Ion	Ratio	Lower	Upper
84	100		
49	106.2	103.6	155.4
51	45.2	33.8	50.6
86	51.4	49.4	74.0



#24
1,1-Dichloroethane
Concen: 0.816 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Tgt Ion:	63	Resp:	1668
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.1	6.5#

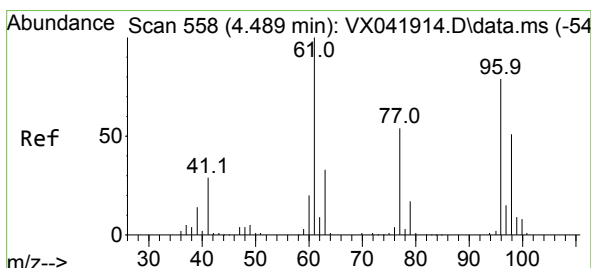
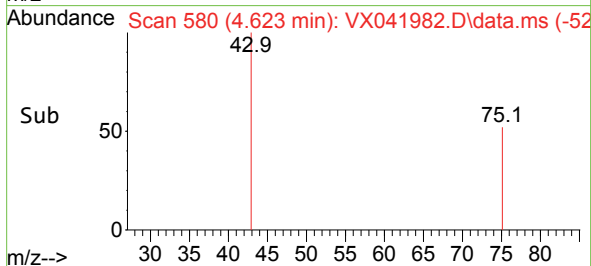
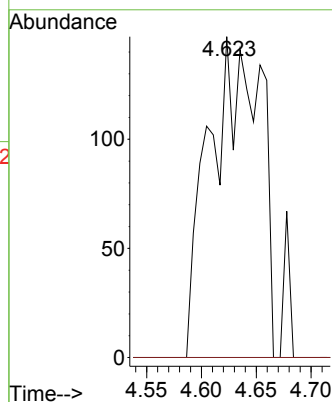
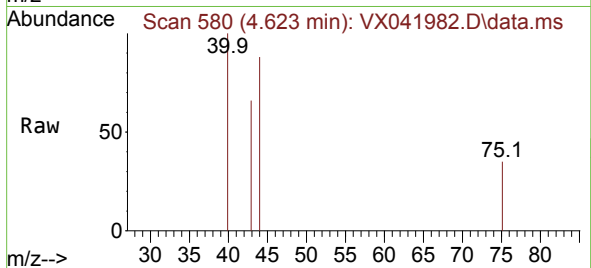




#25
2-Butanone
Concen: 0.481 ug/l
RT: 4.623 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

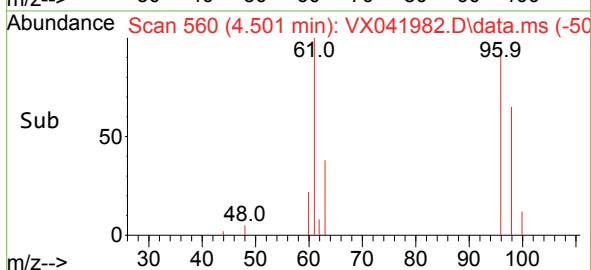
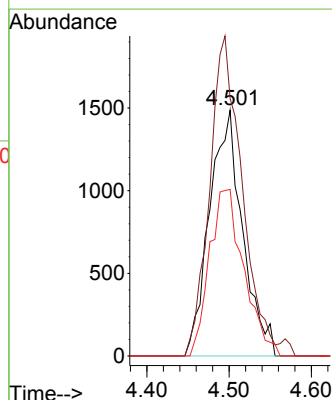
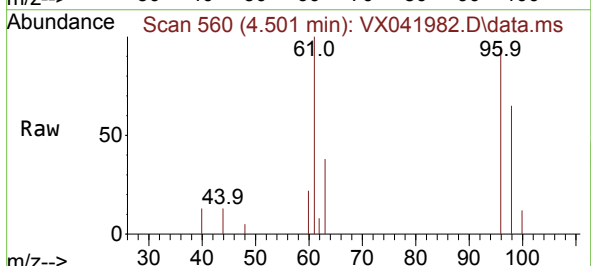
Instrument :
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ClientSampleId :
BP-VPB-189-GW-583-585

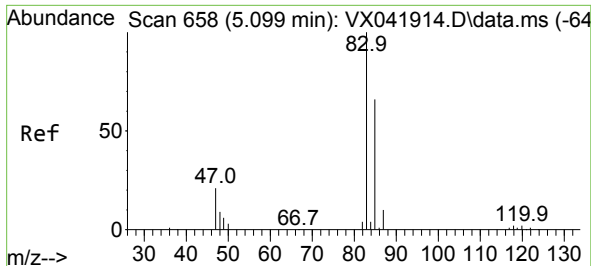
Tgt Ion: 43 Resp: 478
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 2.998 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Tgt Ion: 96 Resp: 4150
Ion Ratio Lower Upper
96 100
61 129.5 0.0 312.2
98 70.5 0.0 129.0





#30

Chloroform

Concen: 0.794 ug/l

RT: 5.105 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX041982.D

Acq: 21 Jun 2024 15:59

Instrument :

MSVOA_X

ClientSampleId :

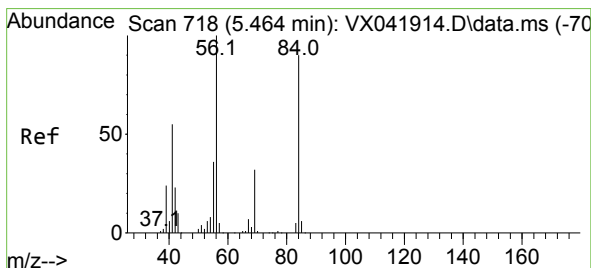
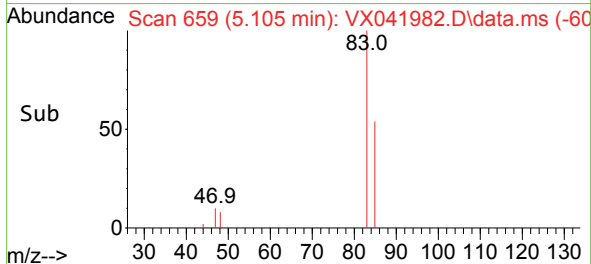
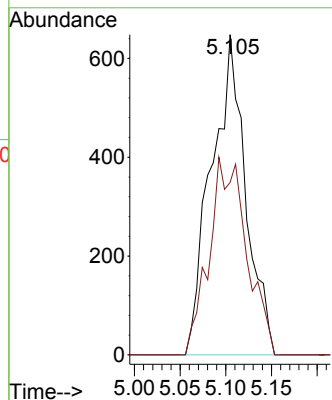
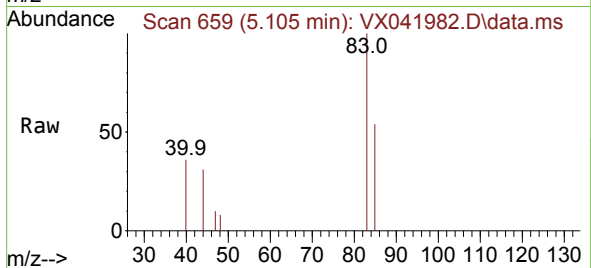
BP-VPB-189-GW-583-585

Tgt Ion: 83 Resp: 1692

Ion Ratio Lower Upper

83 100

85 53.9 50.3 75.5



#31

Cyclohexane

Concen: 1.056 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX041982.D

Acq: 21 Jun 2024 15:59

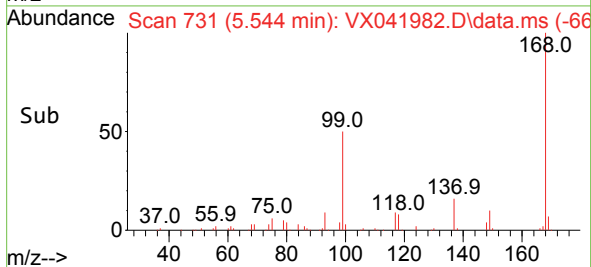
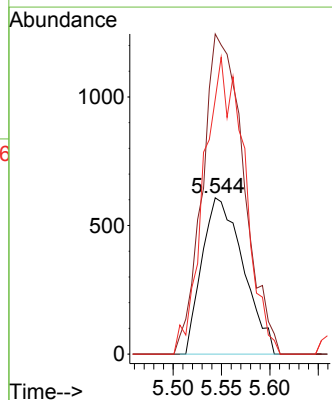
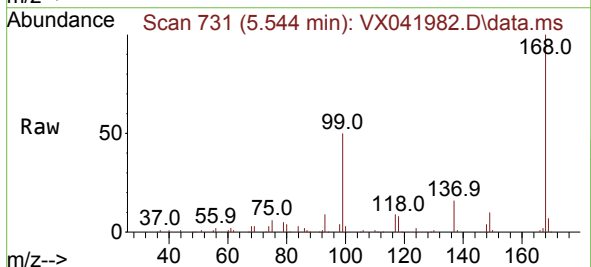
Tgt Ion: 56 Resp: 1798

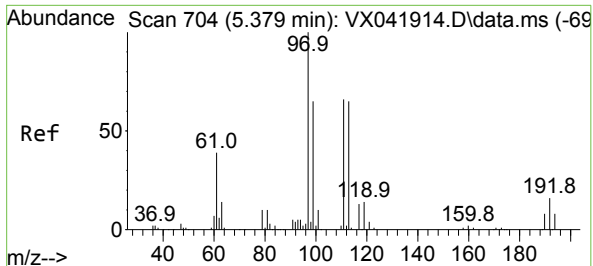
Ion Ratio Lower Upper

56 100

69 204.8 23.4 35.2#

84 163.2 65.9 98.9#

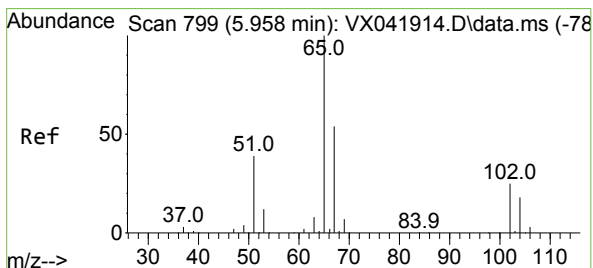
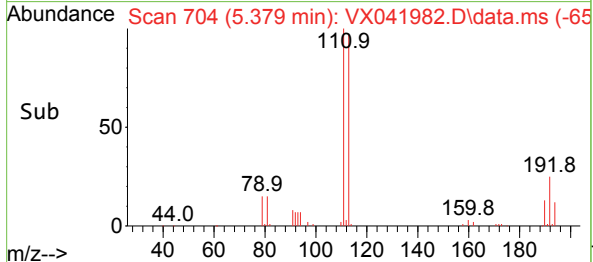
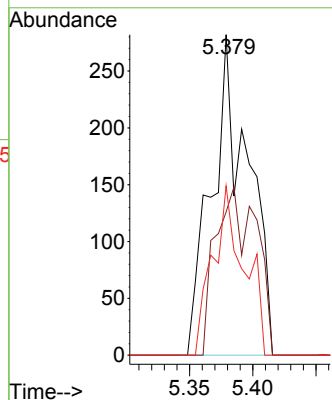
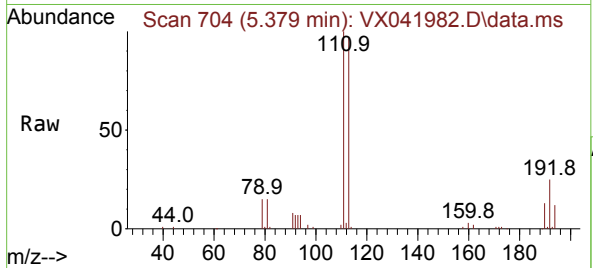




#32
1,1,1-Trichloroethane
Concen: 0.317 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

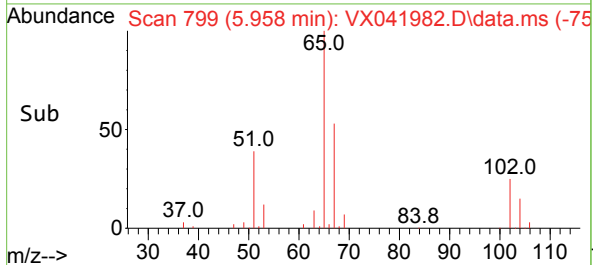
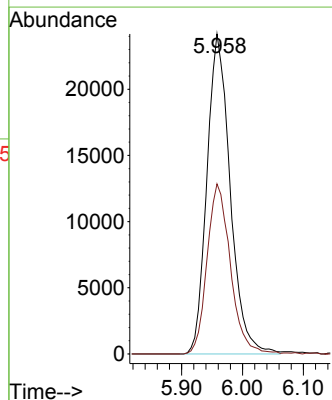
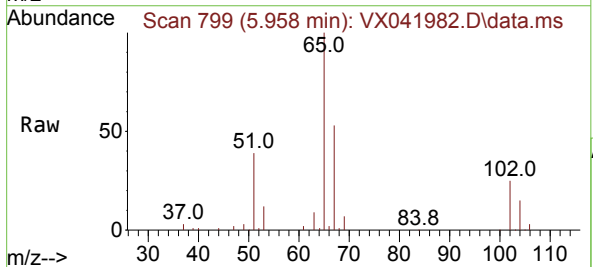
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

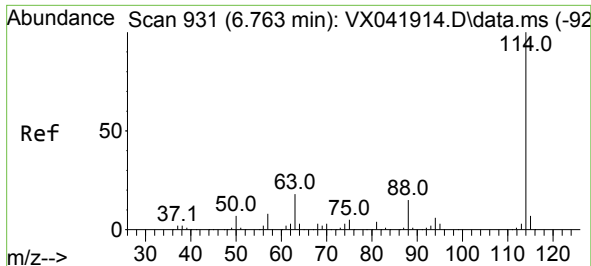
Tgt Ion: 97 Resp: 564
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 45.4 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 44.060 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Tgt Ion: 65 Resp: 64149
Ion Ratio Lower Upper
65 100
67 53.4 0.0 100.2

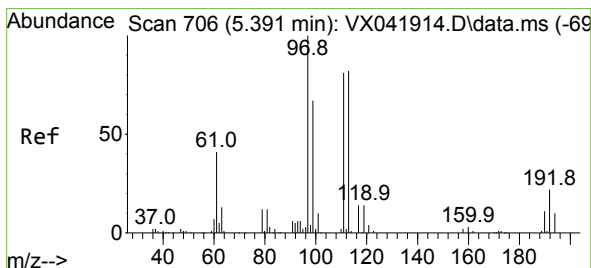
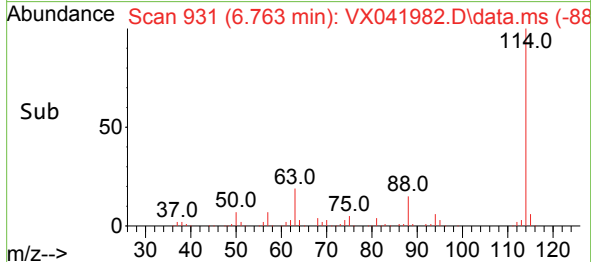
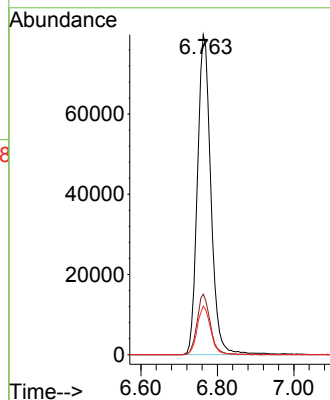
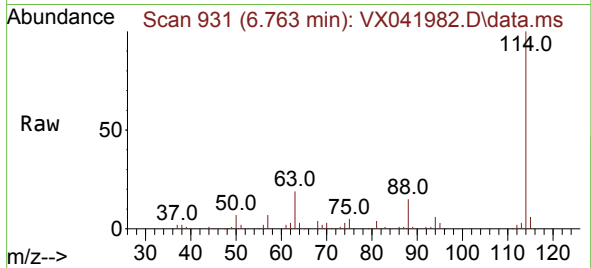




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

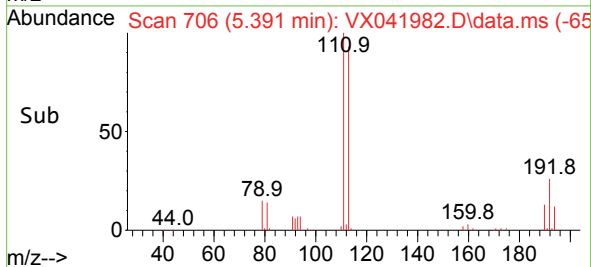
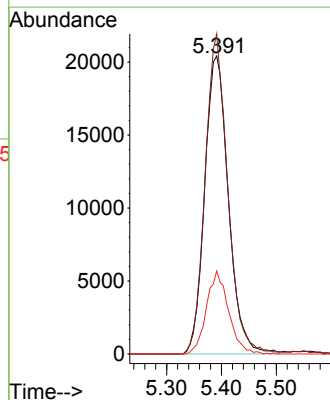
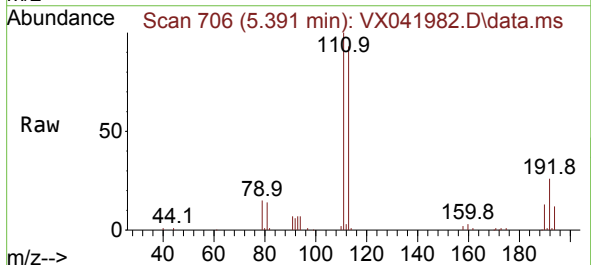
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

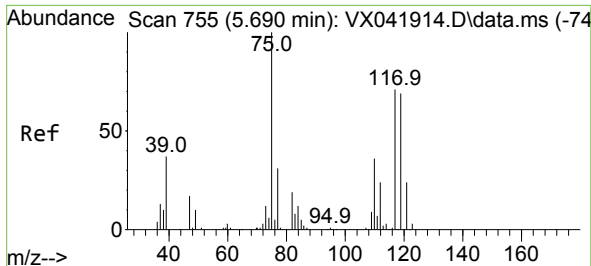
Tgt Ion:114 Resp: 194844
Ion Ratio Lower Upper
114 100
63 18.9 0.0 45.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.425 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

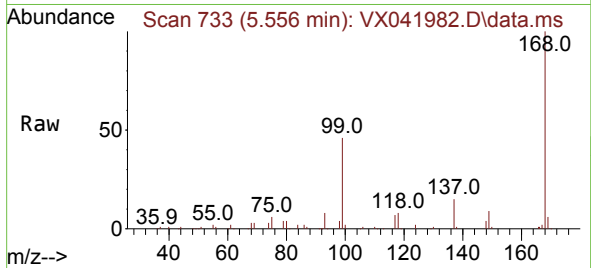
Tgt Ion:113 Resp: 61419
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 25.8 13.3 19.9#



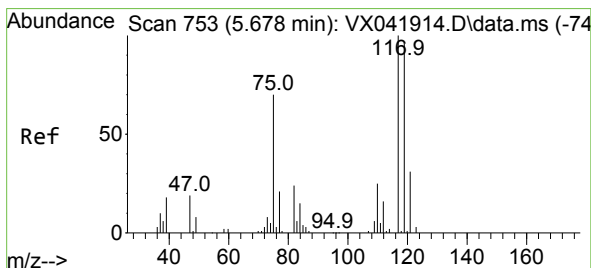
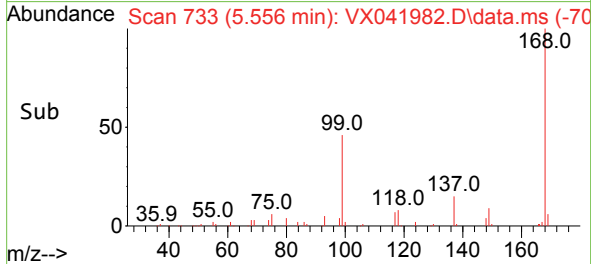
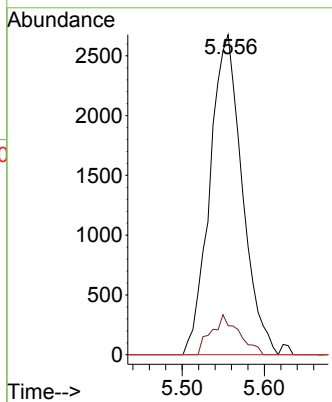


#36
1,1-Dichloropropene
Concen: 4.989 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

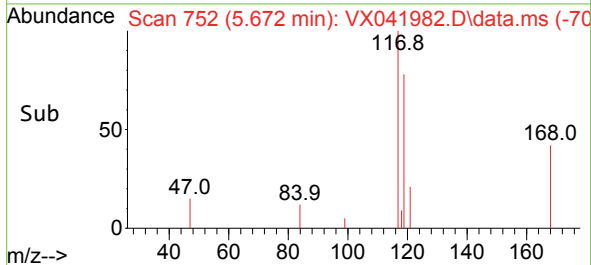
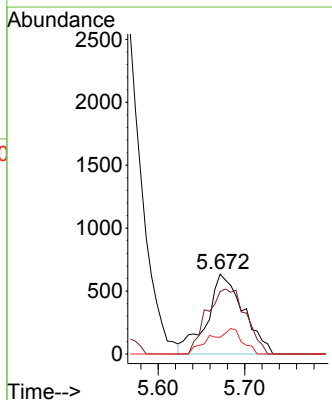
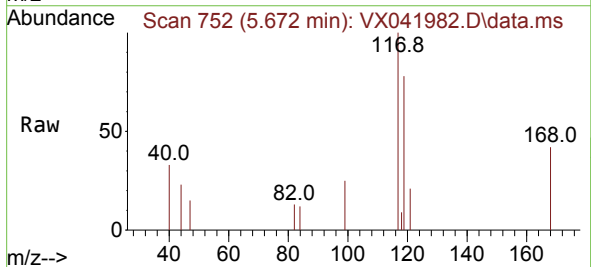


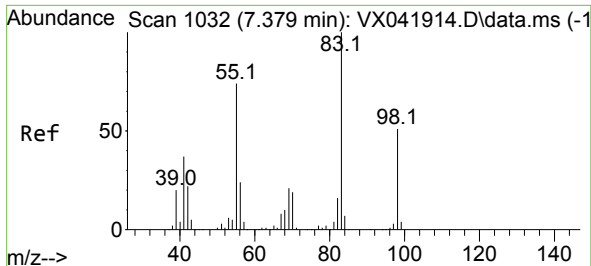
Tgt Ion: 75 Resp: 7324
Ion Ratio Lower Upper
75 100
110 10.6 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 1.139 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.006 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Tgt Ion: 117 Resp: 1847
Ion Ratio Lower Upper
117 100
119 78.1 78.2 117.2#
121 20.9 24.4 36.6#

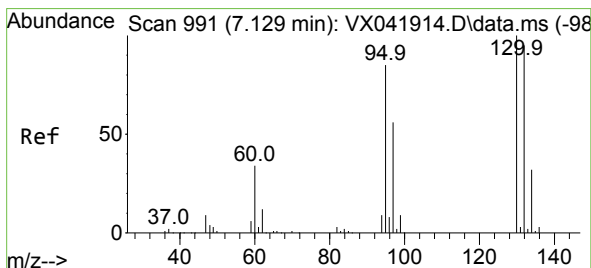
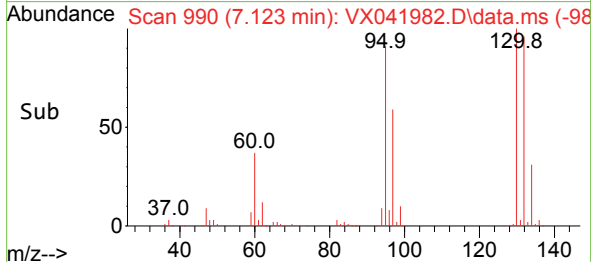
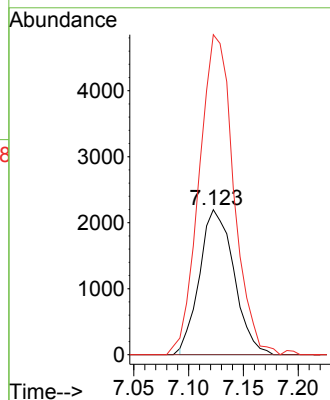
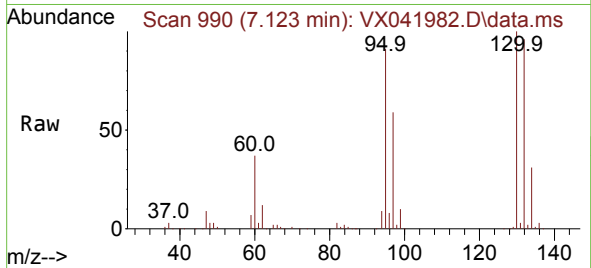




#39
Methylcyclohexane
Concen: 2.585 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

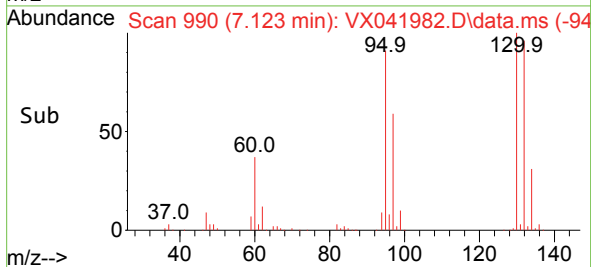
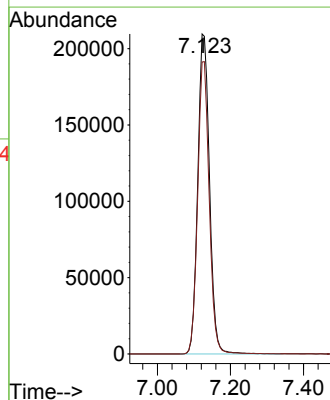
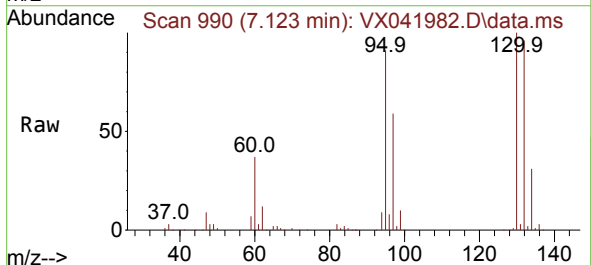
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

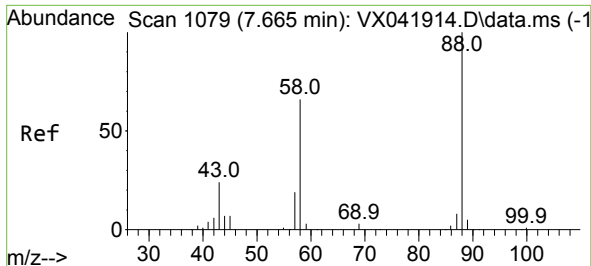
Tgt Ion: 83 Resp: 4799
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 220.6 36.7 55.1#



#44
Trichloroethene
Concen: 354.005 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Tgt Ion:130 Resp: 469842
Ion Ratio Lower Upper
130 100
95 91.2 0.0 204.4

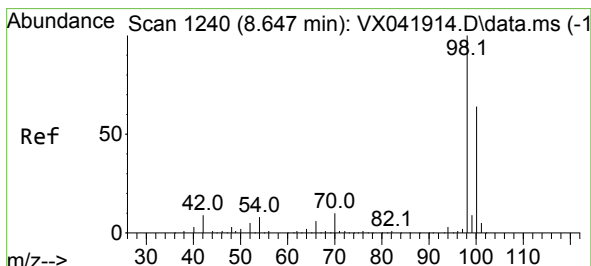
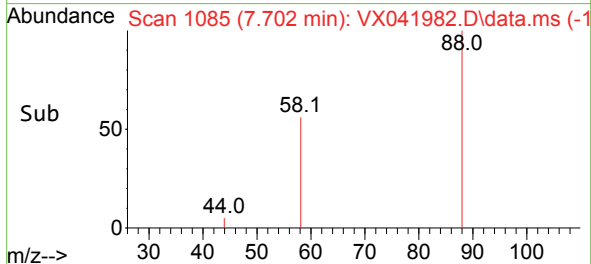
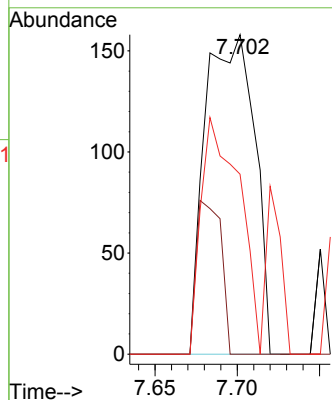
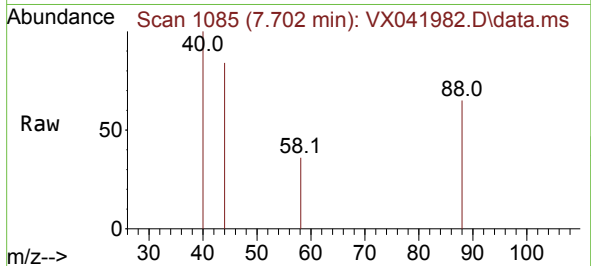




#49
1,4-Dioxane
Concen: 28.630 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.037 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

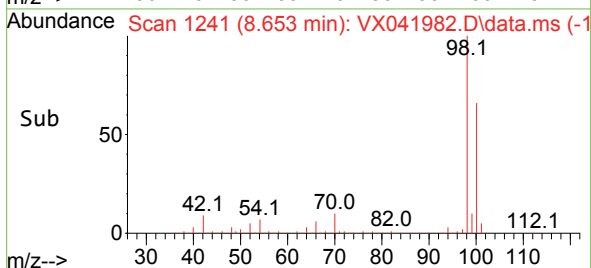
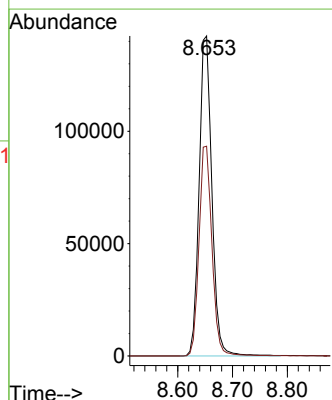
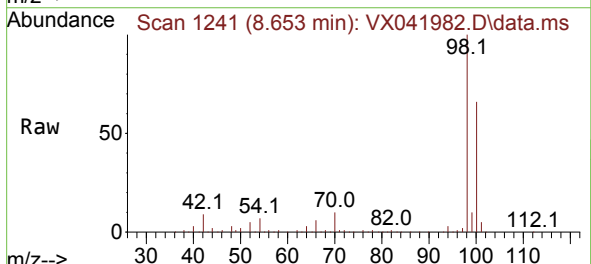
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

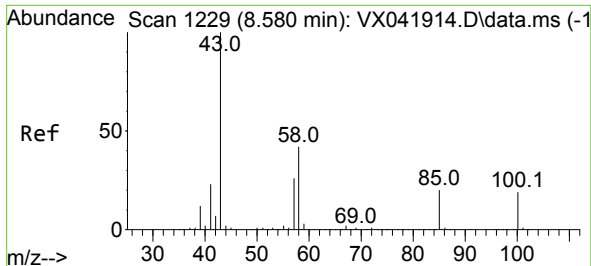
Tgt Ion: 88 Resp: 329
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 15.8 60.1 90.1#



#50
Toluene-d8
Concen: 47.533 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Tgt Ion: 98 Resp: 230861
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7

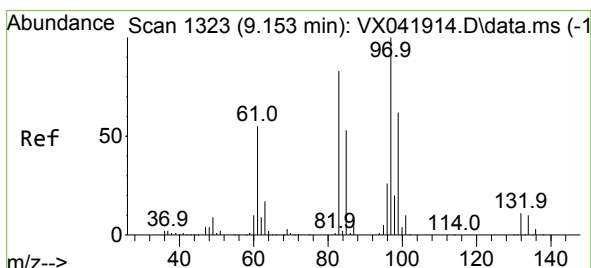
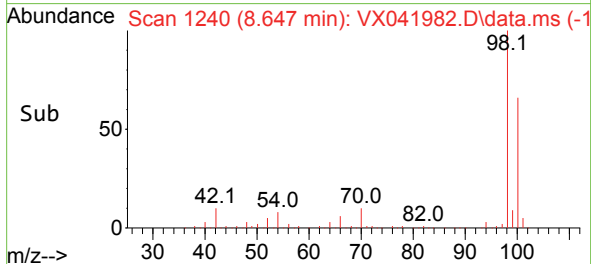
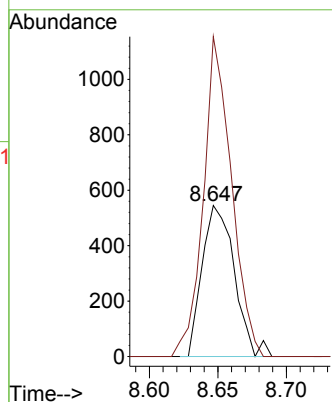
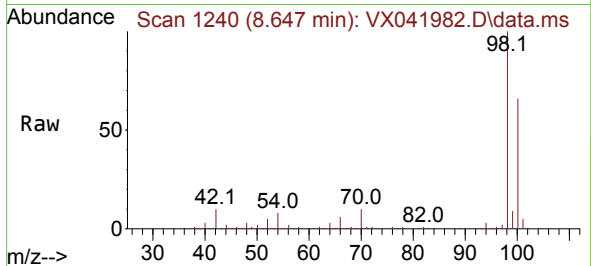




#51
4-Methyl-2-Pentanone
Concen: 0.440 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

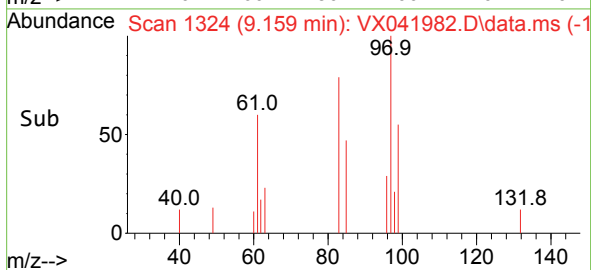
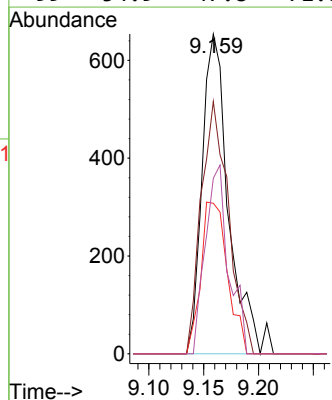
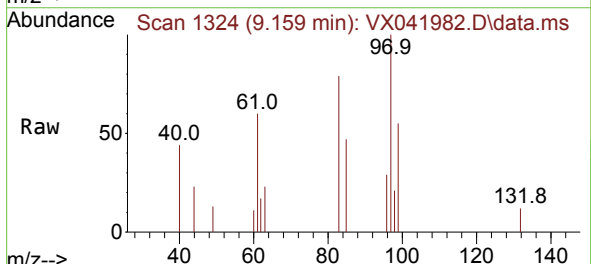
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

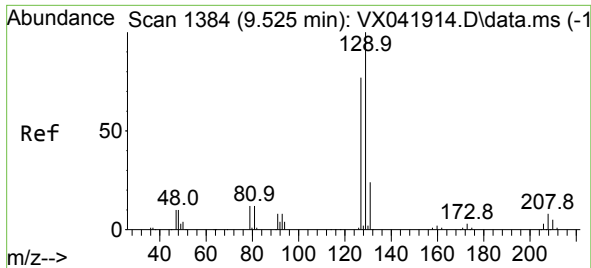
Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
58 185.6 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.841 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Tgt Ion: 97 Resp: 1105
Ion Ratio Lower Upper
97 100
83 78.9 65.8 98.8
85 47.1 41.6 62.4
99 54.9 47.8 71.8

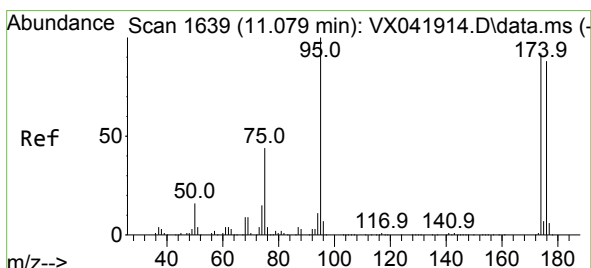
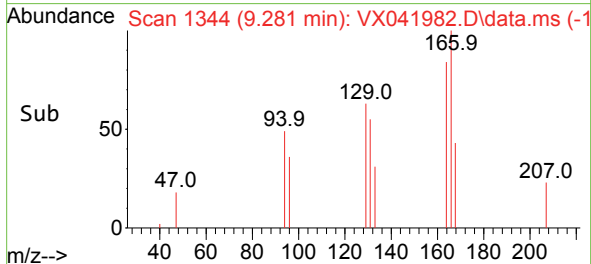
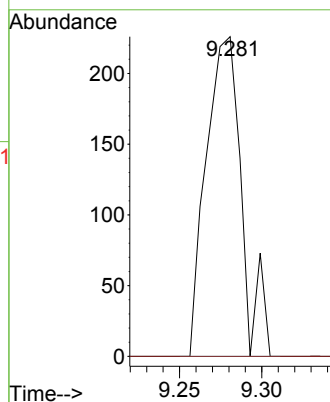
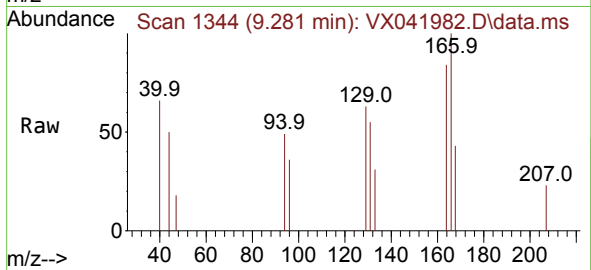




#60
Dibromochloromethane
Concen: 0.238 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

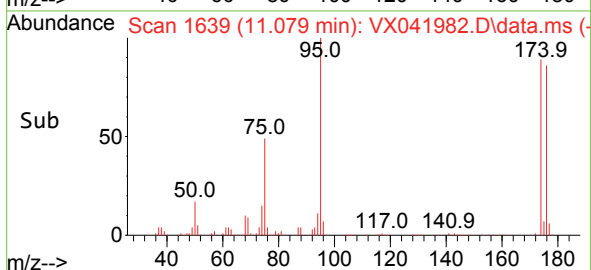
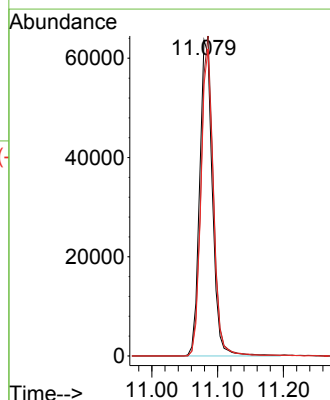
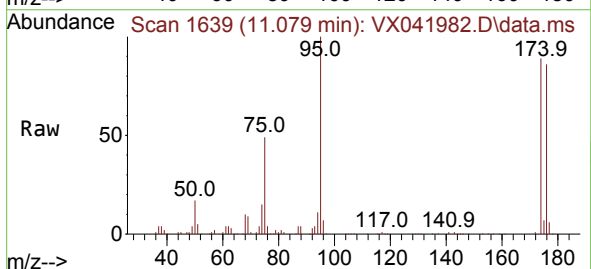
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

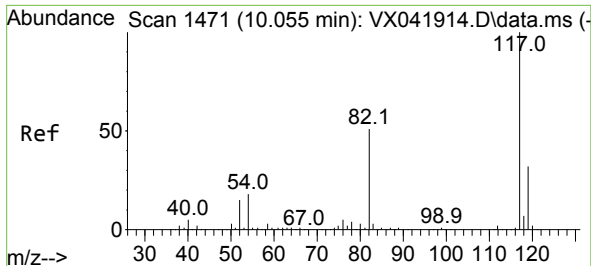
Tgt Ion:129 Resp: 339
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 47.678 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Tgt Ion: 95 Resp: 85361
Ion Ratio Lower Upper
95 100
174 99.1 0.0 135.6
176 94.9 0.0 131.0

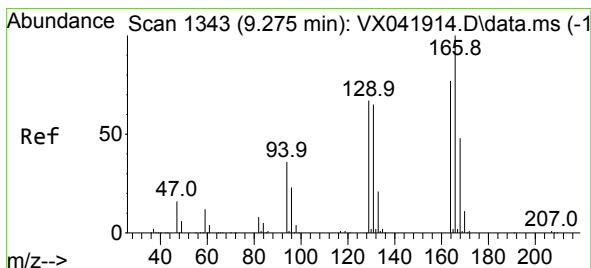
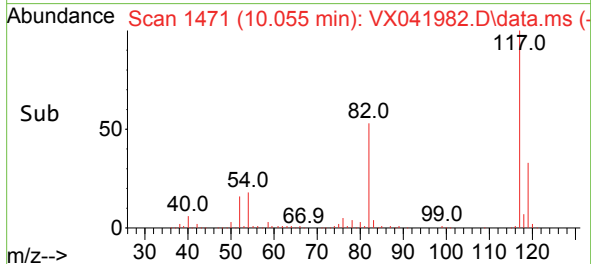
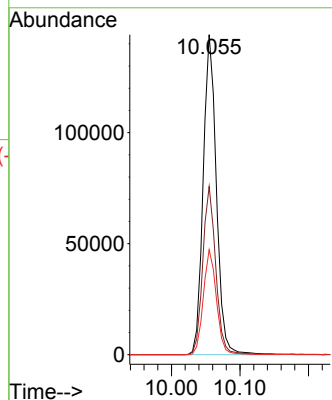
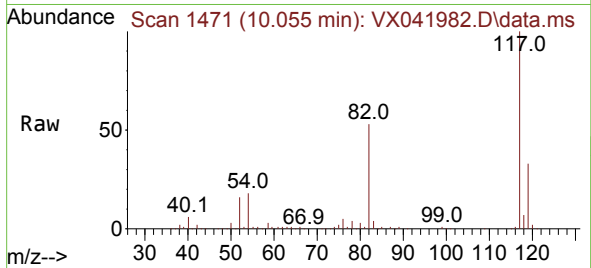




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

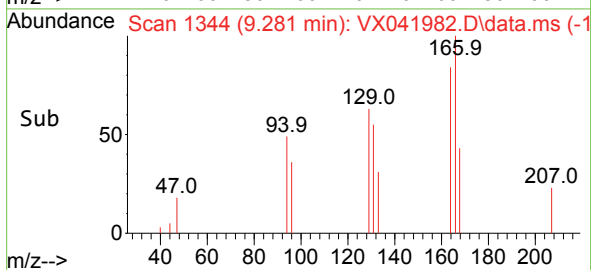
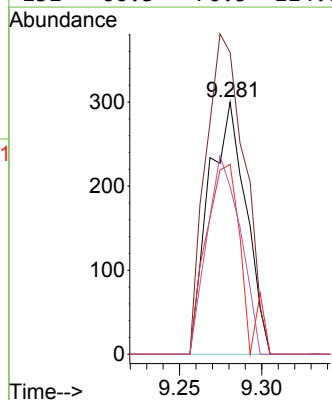
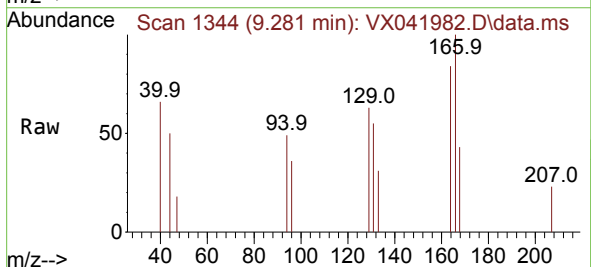
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

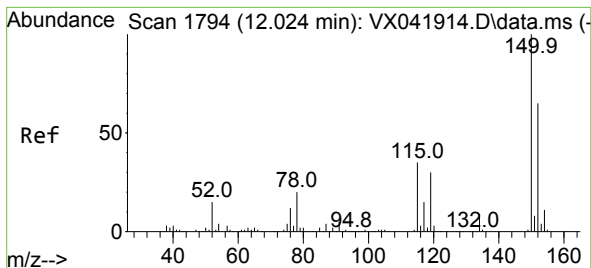
Tgt Ion:117 Resp: 193710
Ion Ratio Lower Upper
117 100
82 52.5 46.2 69.4
119 32.8 25.5 38.3



#64
Tetrachloroethene
Concen: 0.335 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Tgt Ion:164 Resp: 472
Ion Ratio Lower Upper
164 100
166 119.7 102.7 154.1
129 75.3 80.4 120.6#
131 66.3 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041982.D

Acq: 21 Jun 2024 15:59

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-583-585

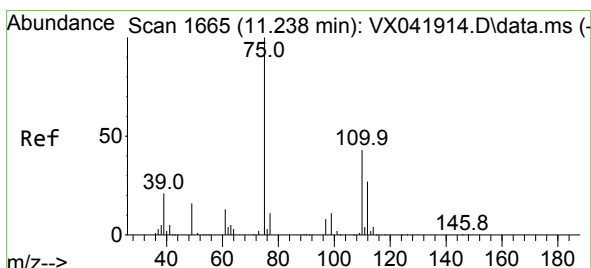
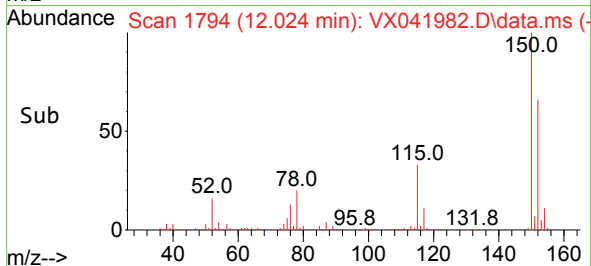
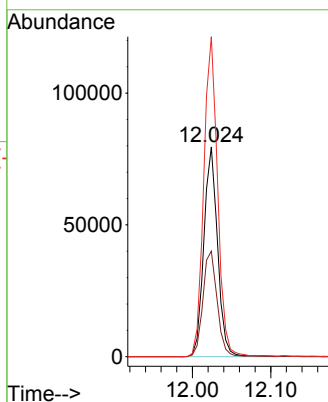
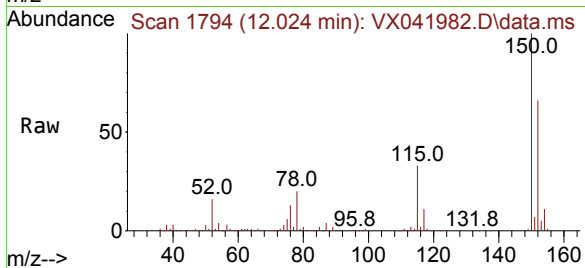
Tgt Ion:152 Resp: 96859

Ion Ratio Lower Upper

152 100

115 52.4 43.3 129.9

150 154.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.890 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041982.D

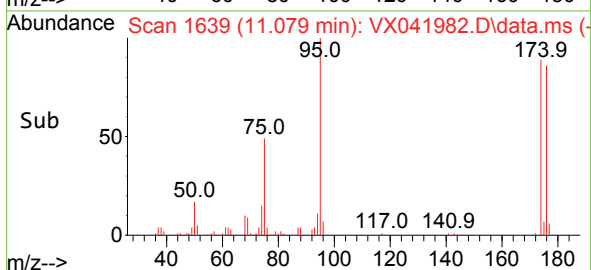
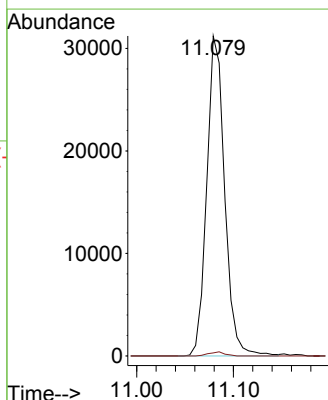
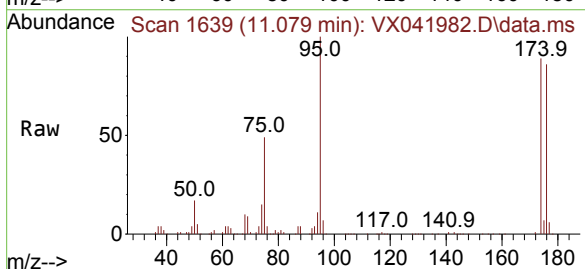
Acq: 21 Jun 2024 15:59

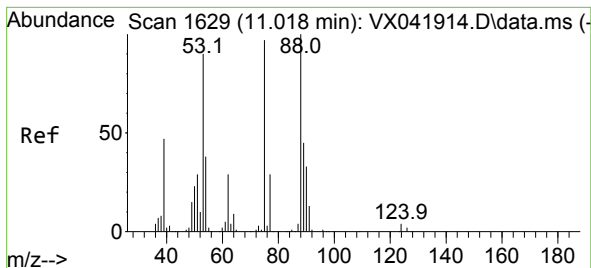
Tgt Ion: 75 Resp: 40250

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

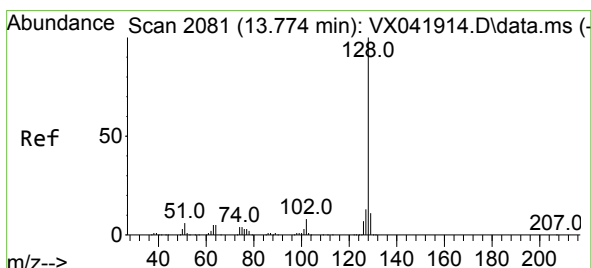
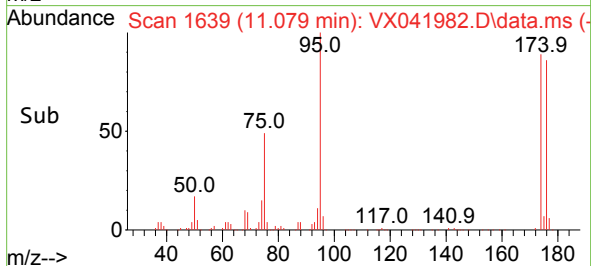
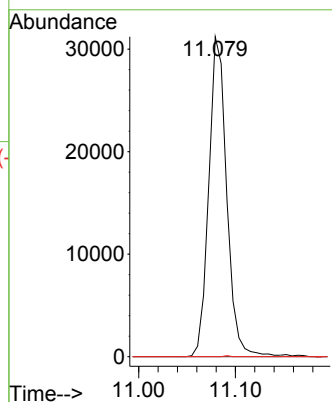
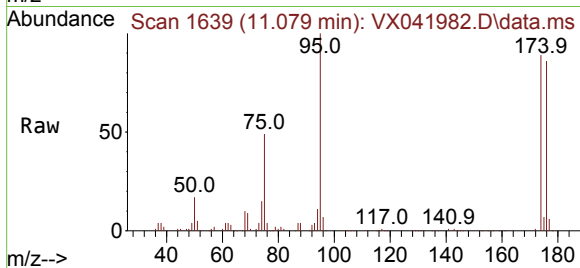




#81
trans-1,4-Dichloro-2-butene
Concen: 65.007 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585

Tgt Ion: 75 Resp: 40250
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 0.781 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX041982.D
Acq: 21 Jun 2024 15:59

Tgt Ion: 128 Resp: 231
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

