

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062124\
 Data File : VX041986.D
 Acq On : 21 Jun 2024 17:34
 Operator : JC/MD
 Sample : P3003-04DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 22 04:44:36 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)

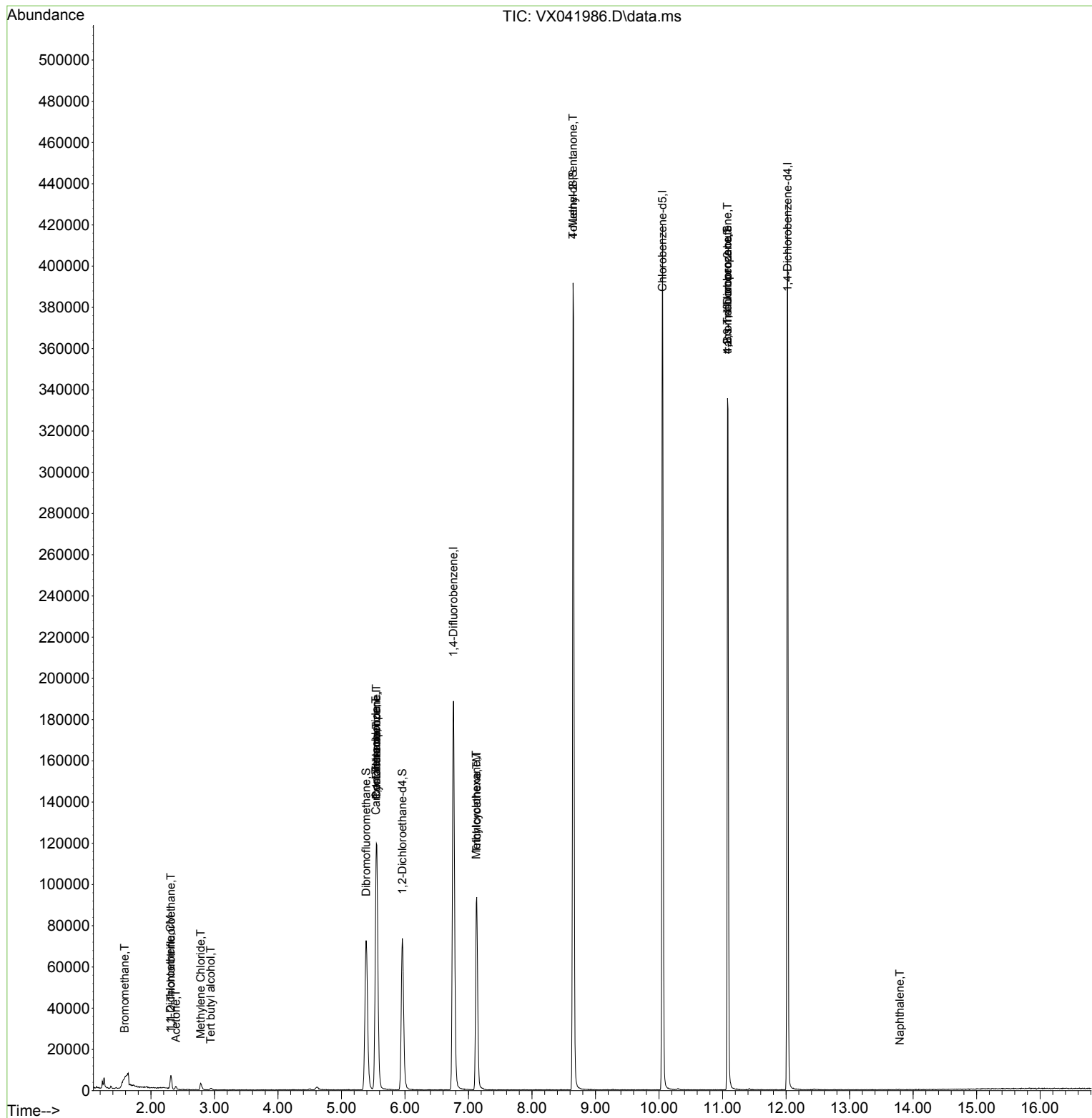
Internal Standards						
1) Pentafluorobenzene	5.550	168	133096	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	207870	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70239	45.765	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.540%
35) Dibromofluoromethane	5.385	113	65754	44.581	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.160%
50) Toluene-d8	8.647	98	247128	47.694	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.380%
62) 4-Bromofluorobenzene	11.079	95	91120	47.705	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.420%
Target Compounds						
					Qvalue	
5) Bromomethane	1.587	94	278	0.442	ug/l	# 3
6) Chloroethane	1.636	64	75	Below Cal		# 22
9) 1,1,2-Trichlorotrifluo...	2.313	101	2372	2.061	ug/l	88
11) Tert butyl alcohol	2.940	59	596	2.046	ug/l	# 78
12) 1,1-Dichloroethene	2.306	96	492	0.429	ug/l	79
16) Acetone	2.392	43	1696	2.517	ug/l	94
20) Methylene Chloride	2.782	84	1854	1.256	ug/l	94
31) Cyclohexane	5.550	56	1945	1.084	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7995	5.105	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	11446	6.614	ug/l	# 16
39) Methylcyclohexane	7.123	83	435	0.220	ug/l	# 1
44) Trichloroethene	7.129	130	42395	29.941	ug/l	84
51) 4-Methyl-2-Pentanone	8.647	43	953	0.442	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	42380	23.293	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	42380	66.149	ug/l	# 5
95) Naphthalene	13.792	128	70	0.757	ug/l	# 69

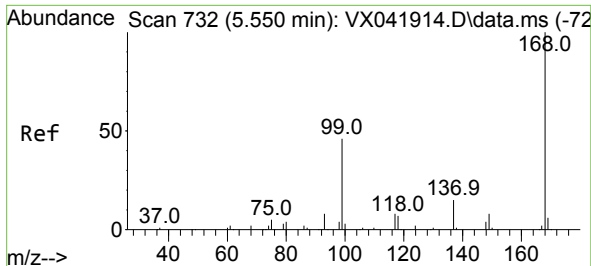
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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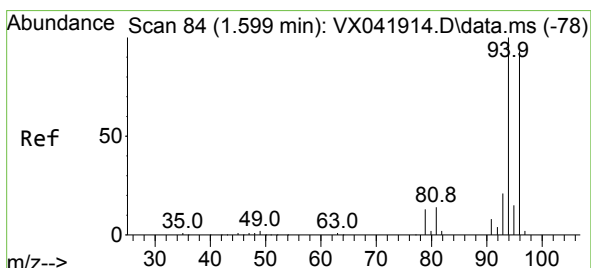
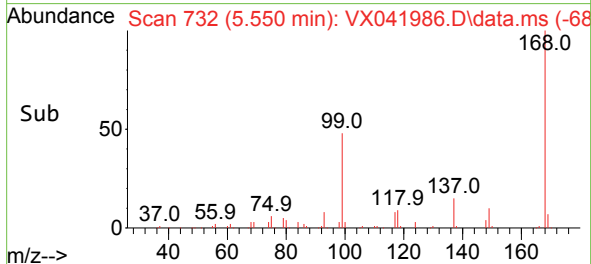
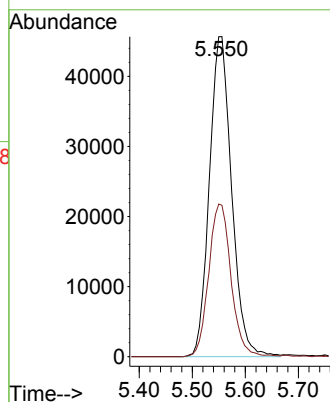
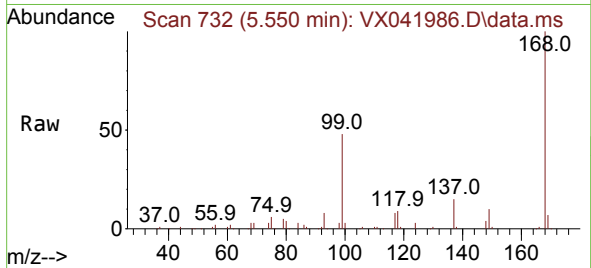




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

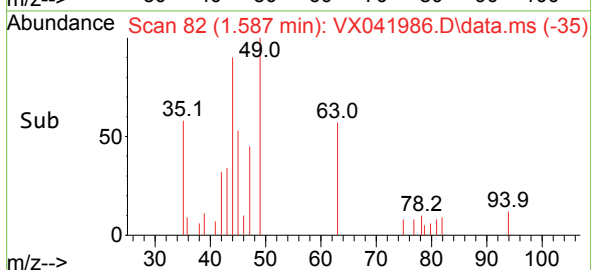
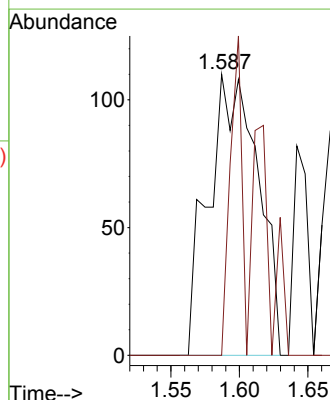
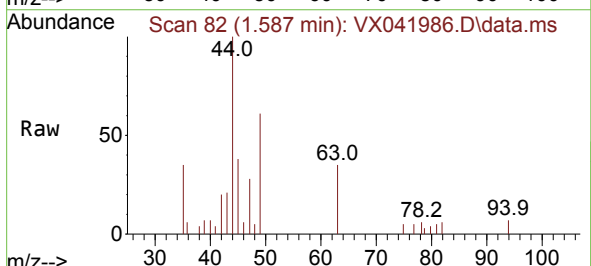
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585DL

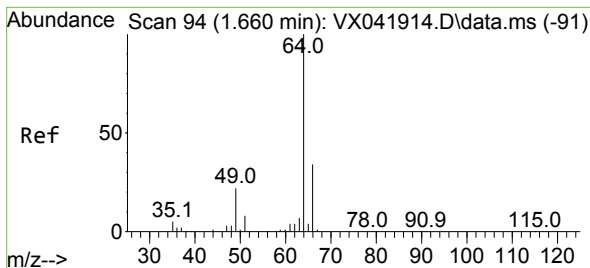
Tgt Ion:168 Resp: 133096
Ion Ratio Lower Upper
168 100
99 47.7 56.6 85.0#



#5
Bromomethane
Concen: 0.442 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.012 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

Tgt Ion: 94 Resp: 278
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

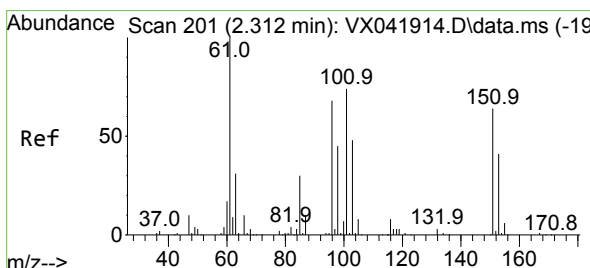
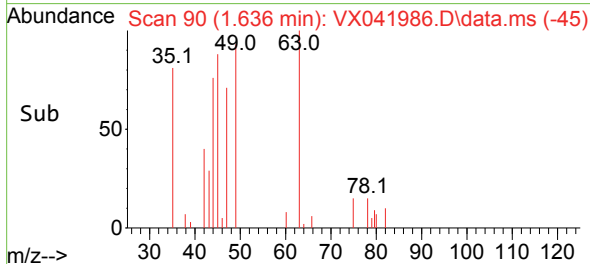
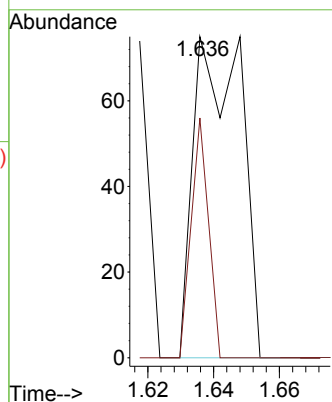
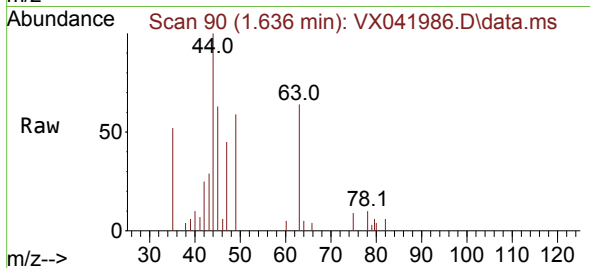




#6
Chloroethane
Concen: Below Cal
RT: 1.636 min Scan# 90
Delta R.T. -0.024 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

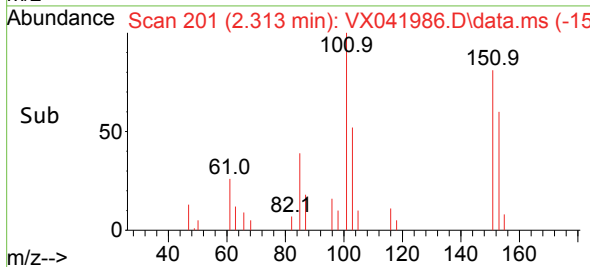
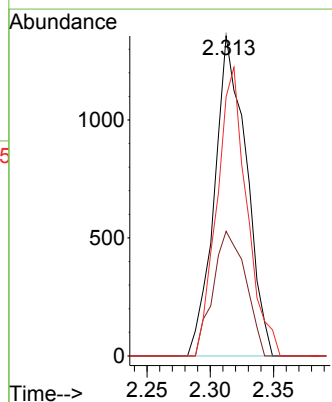
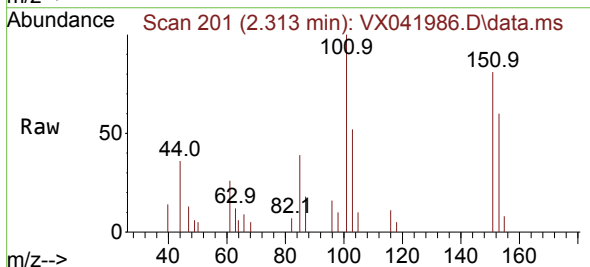
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585DL

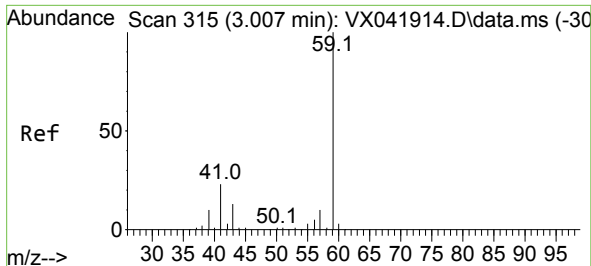
Tgt Ion: 64 Resp: 75
Ion Ratio Lower Upper
64 100
66 74.7 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.061 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

Tgt Ion: 101 Resp: 2372
Ion Ratio Lower Upper
101 100
85 39.8 37.0 55.6
151 84.6 58.6 87.8





#11

Tert butyl alcohol

Concen: 2.046 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.067 min

Lab File: VX041986.D

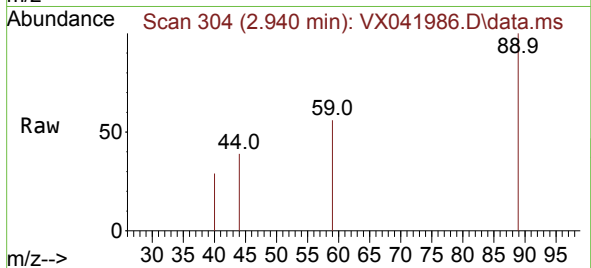
Acq: 21 Jun 2024 17:34

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-583-585DL

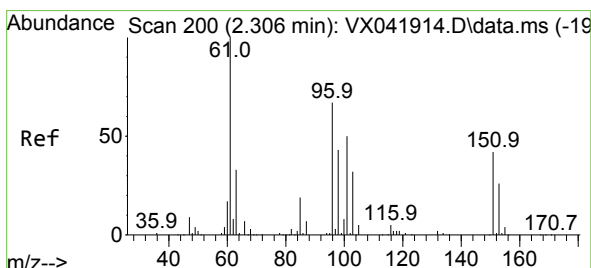
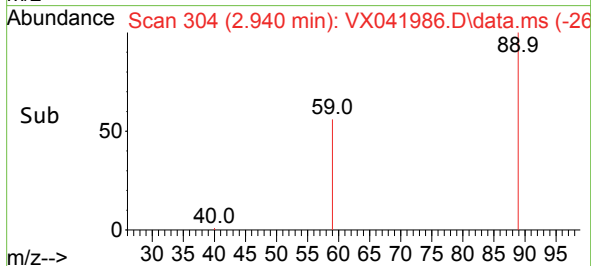
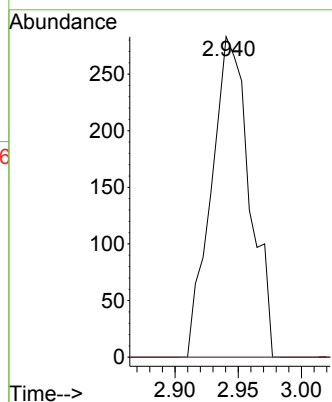


Tgt Ion: 59 Resp: 596

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.429 ug/l

RT: 2.306 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX041986.D

Acq: 21 Jun 2024 17:34

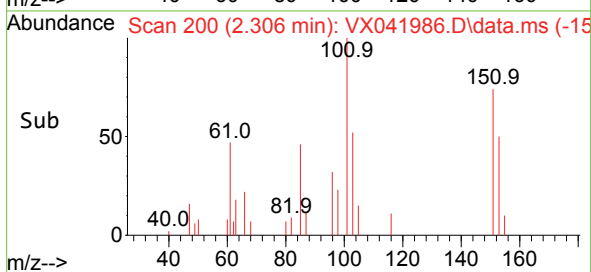
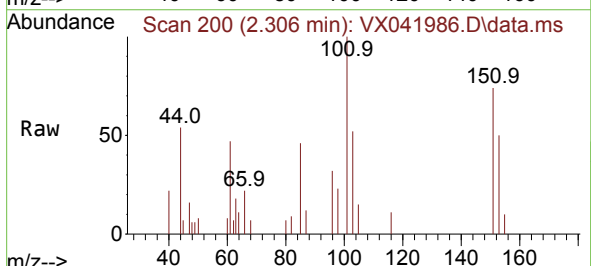
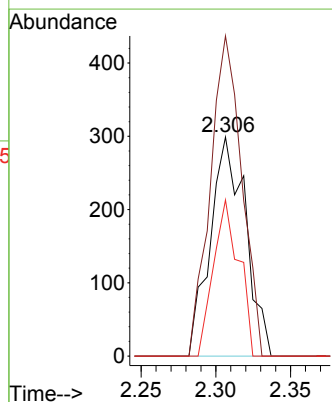
Tgt Ion: 96 Resp: 492

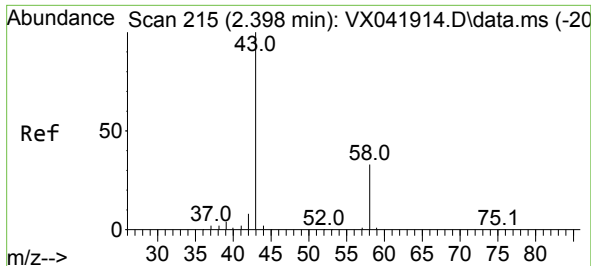
Ion Ratio Lower Upper

96 100

61 146.2 144.6 216.8

98 71.2 50.4 75.6

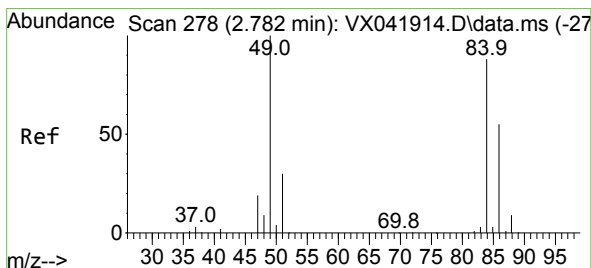
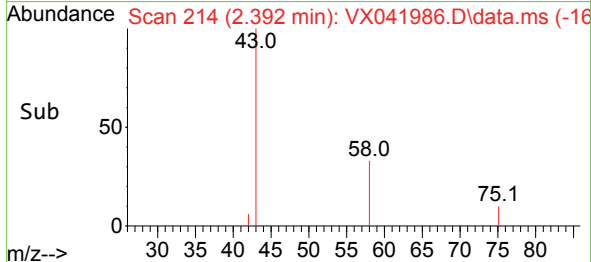
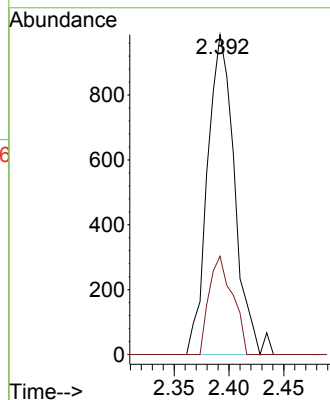
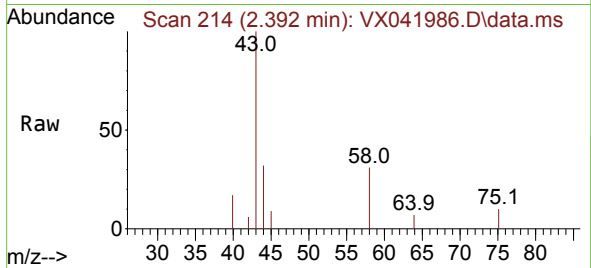




#16
Acetone
Concen: 2.517 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

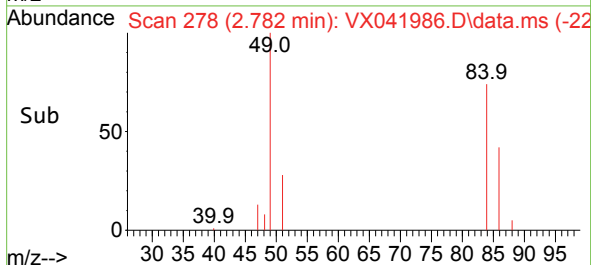
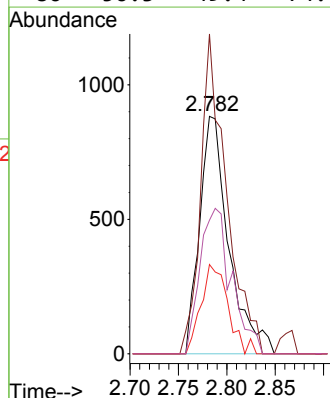
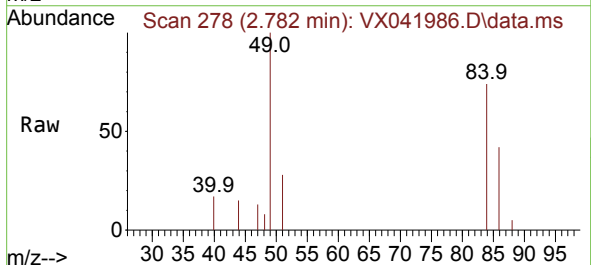
Instrument :
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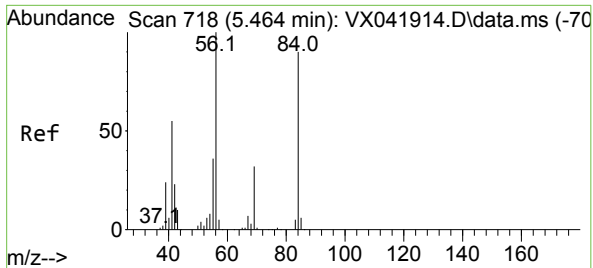
Tgt Ion: 43 Resp: 1696
Ion Ratio Lower Upper
43 100
58 30.7 21.9 32.9



#20
Methylene Chloride
Concen: 1.256 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

Tgt Ion: 84 Resp: 1854
Ion Ratio Lower Upper
84 100
49 134.7 103.6 155.4
51 37.6 33.8 50.6
86 56.3 49.4 74.0

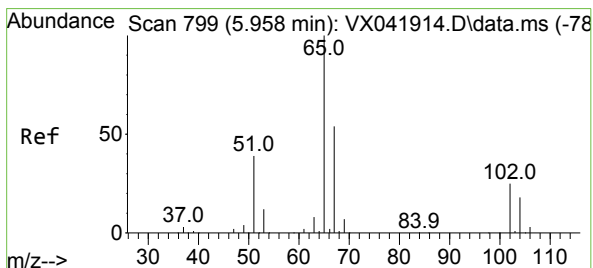
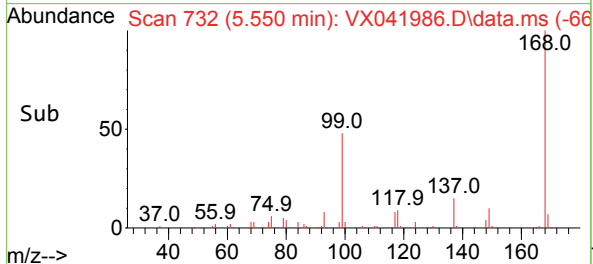
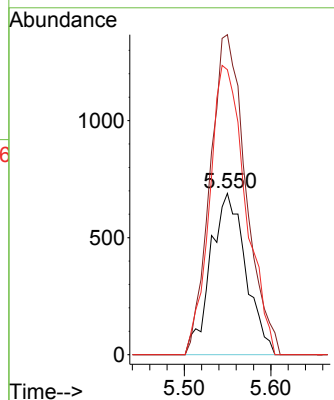
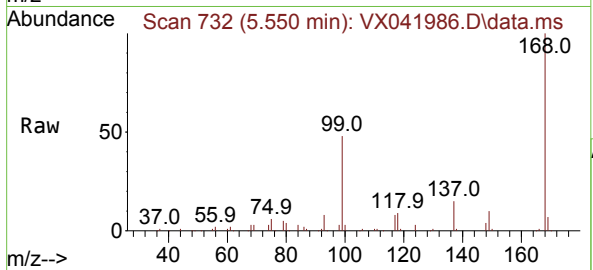




#31
Cyclohexane
Concen: 1.084 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

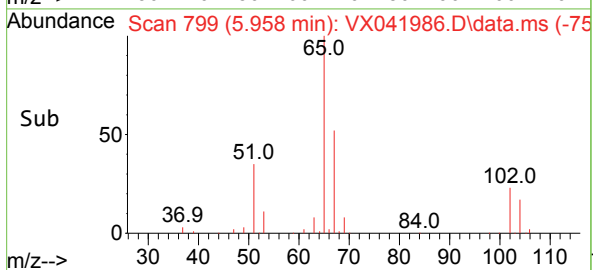
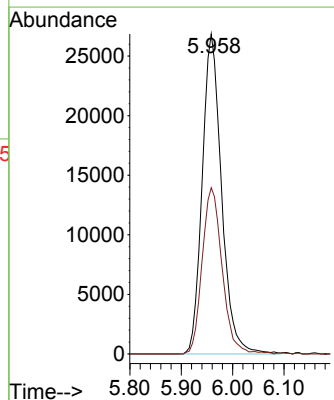
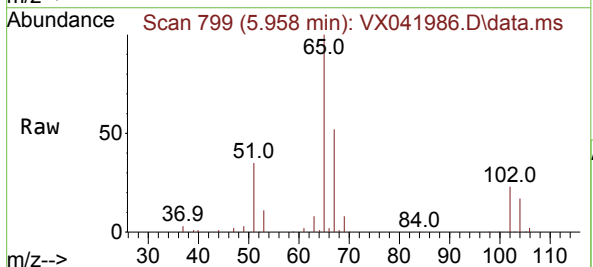
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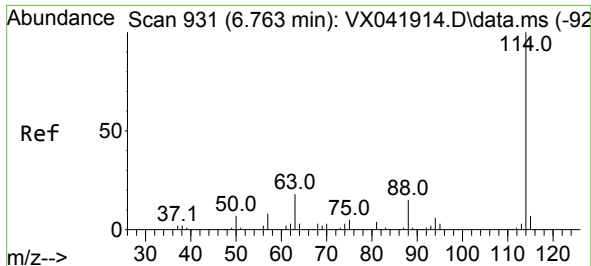
Tgt Ion: 56 Resp: 1945
Ion Ratio Lower Upper
56 100
69 198.4 23.4 35.2#
84 176.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.765 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

Tgt Ion: 65 Resp: 70239
Ion Ratio Lower Upper
65 100
67 53.6 0.0 100.2

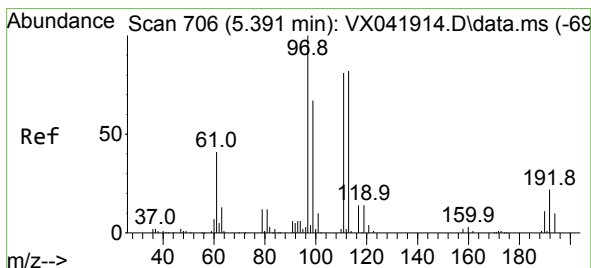
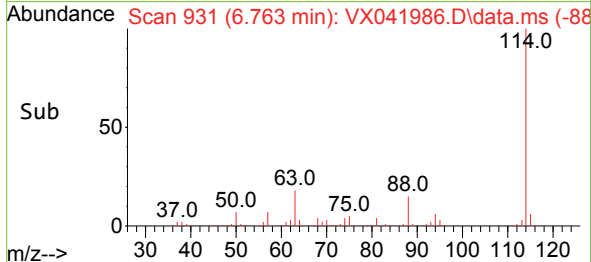
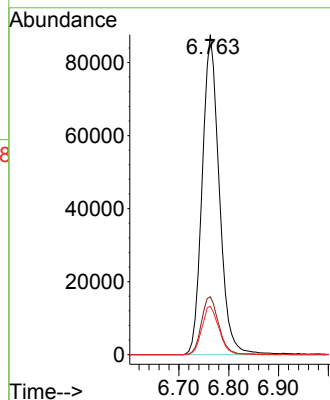
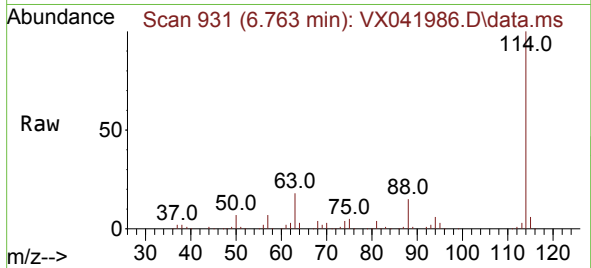




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

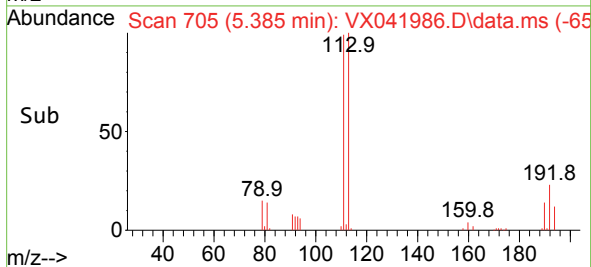
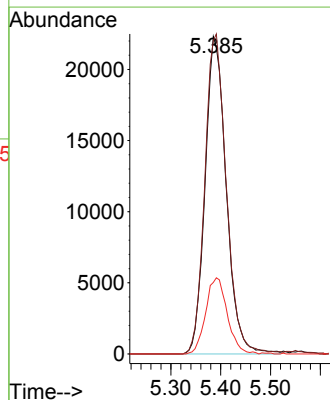
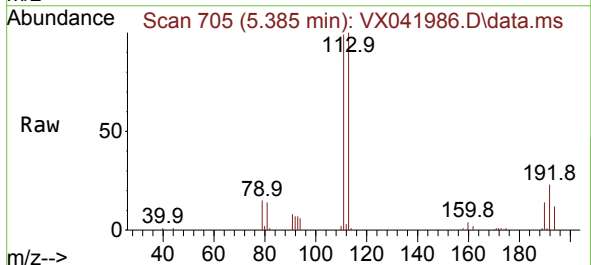
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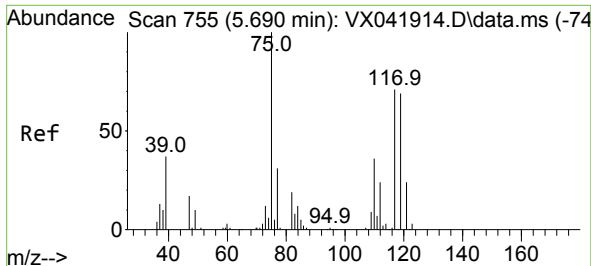
Tgt Ion:114 Resp: 207870
Ion Ratio Lower Upper
114 100
63 18.1 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.581 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

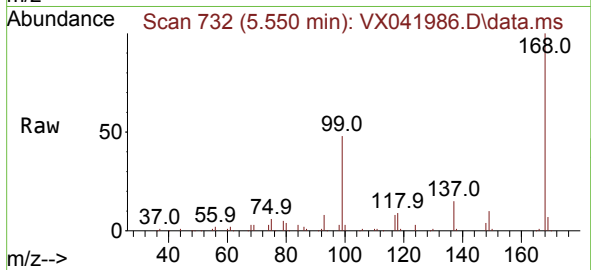
Tgt Ion:113 Resp: 65754
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 24.4 13.3 19.9#



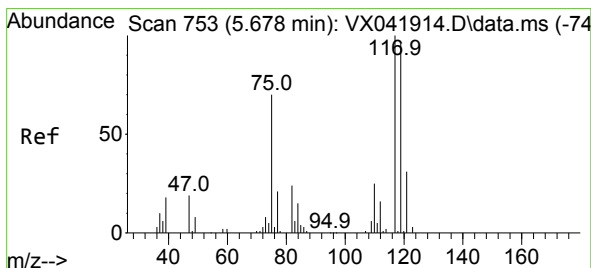
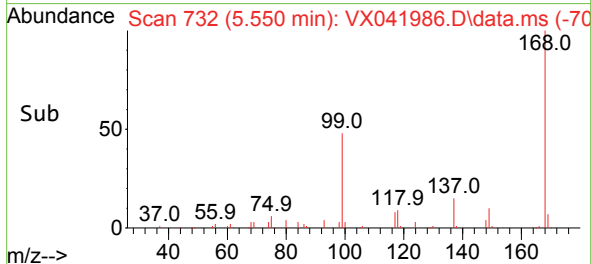
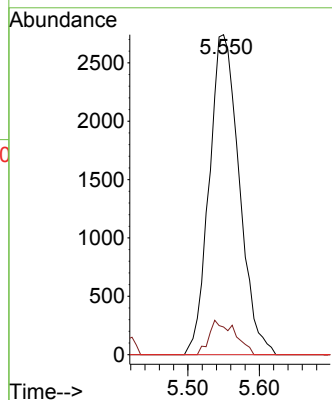


#36
1,1-Dichloropropene
Concen: 5.105 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

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

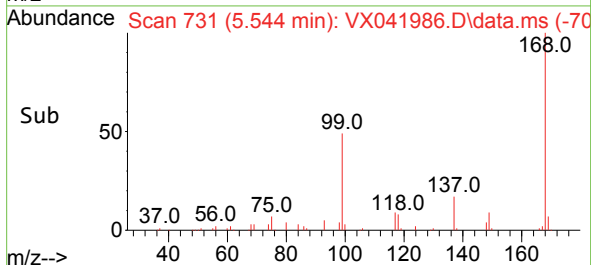
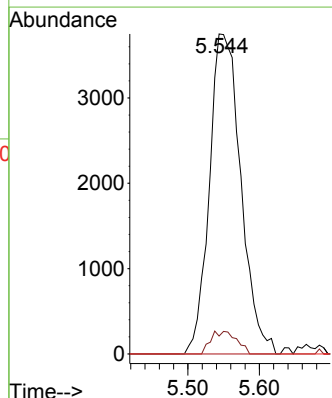
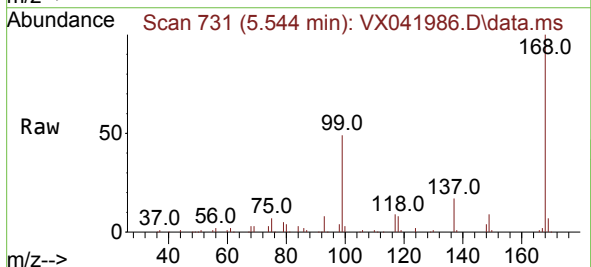


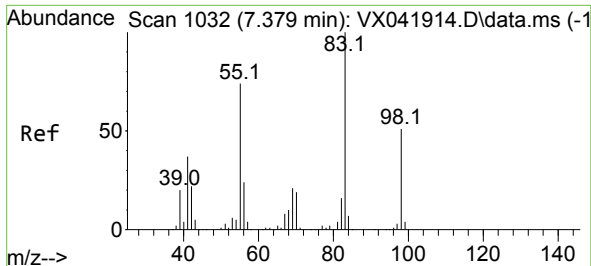
Tgt Ion: 75 Resp: 7995
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.614 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

Tgt Ion: 117 Resp: 11446
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#

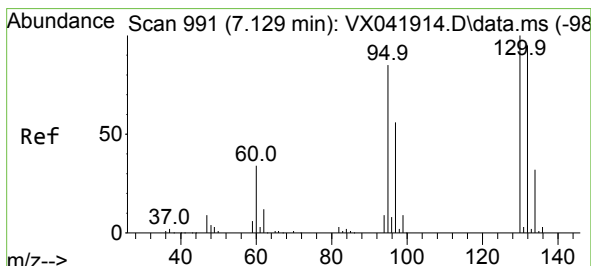
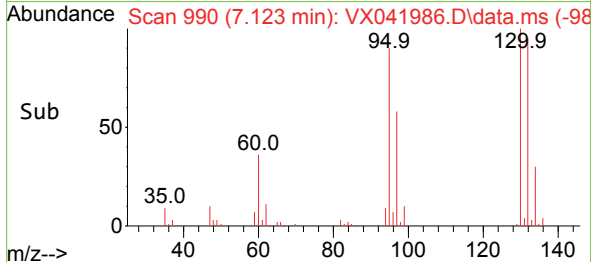
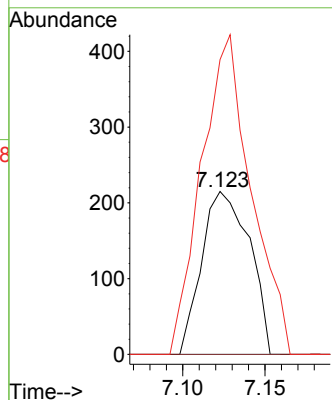
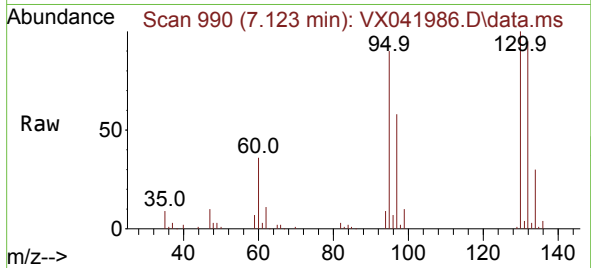




#39
Methylcyclohexane
Concen: 0.220 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

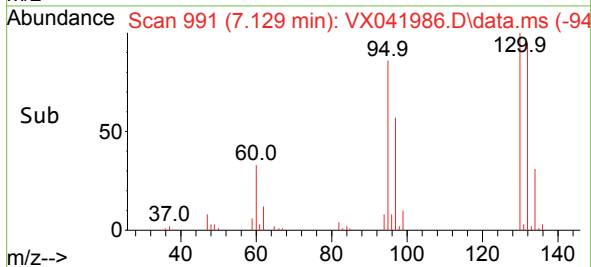
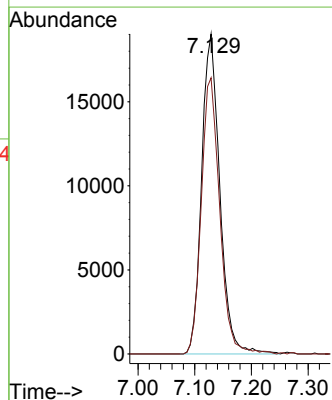
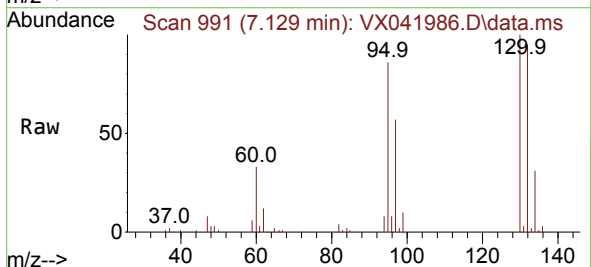
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585DL

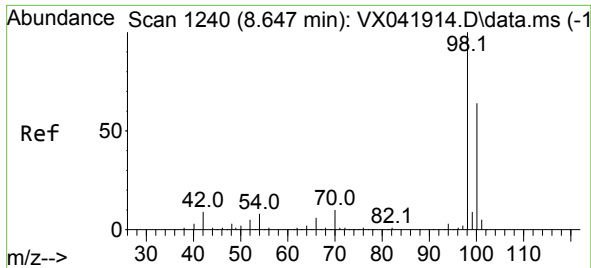
Tgt Ion: 83 Resp: 435
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 149.8 36.7 55.1#



#44
Trichloroethene
Concen: 29.941 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

Tgt Ion:130 Resp: 42395
Ion Ratio Lower Upper
130 100
95 86.3 0.0 204.4

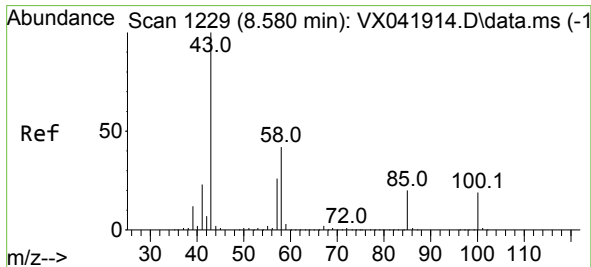
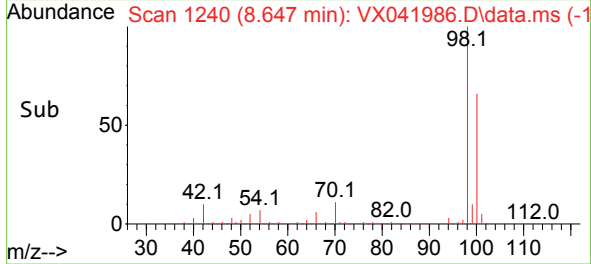
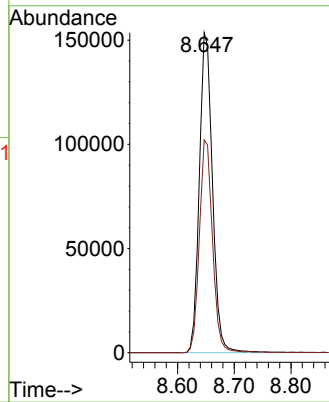
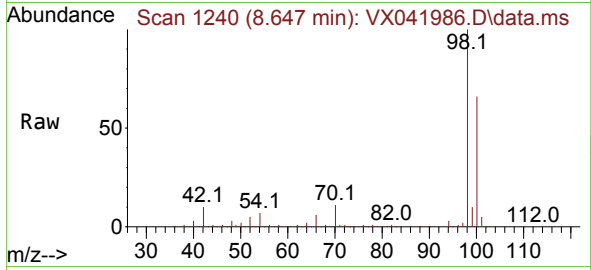




#50
Toluene-d8
Concen: 47.694 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

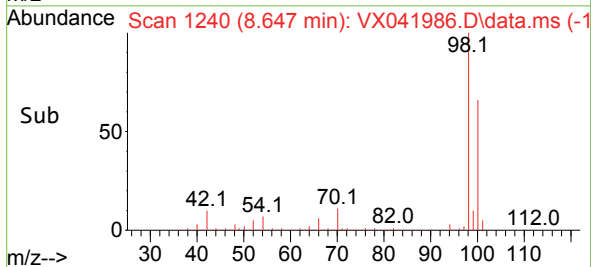
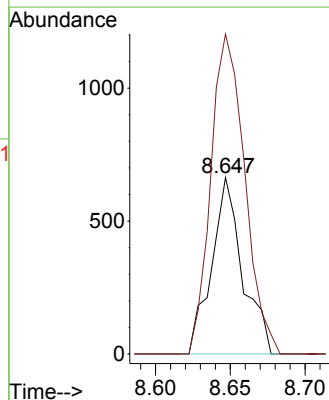
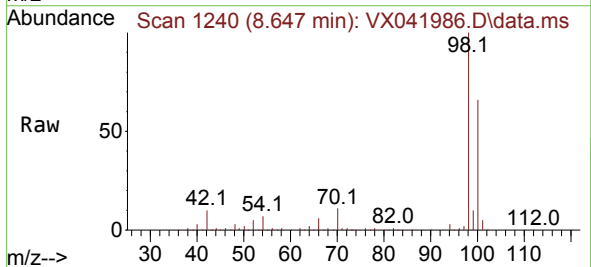
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585DL

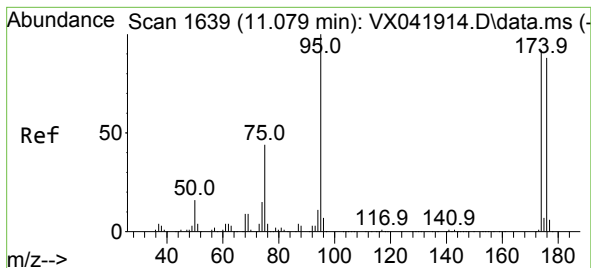
Tgt Ion: 98 Resp: 247128
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.442 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
58 199.5 30.4 45.6#

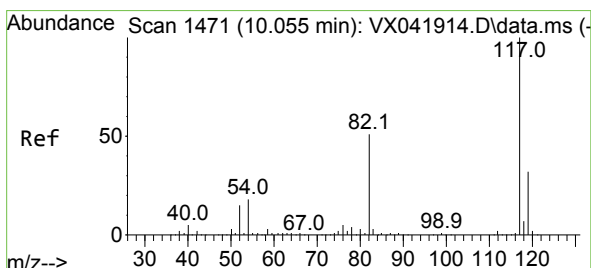
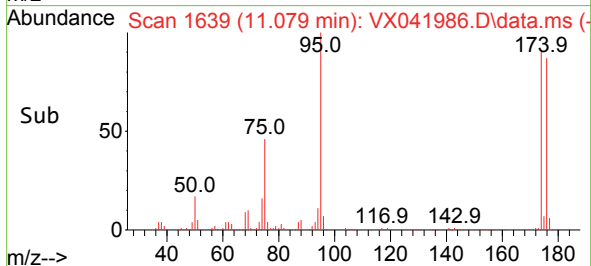
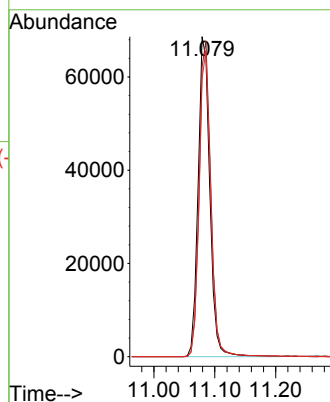
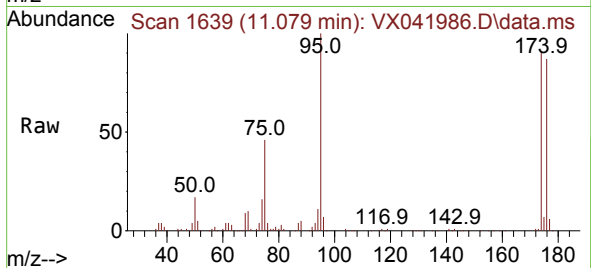




#62
4-Bromofluorobenzene
Concen: 47.705 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

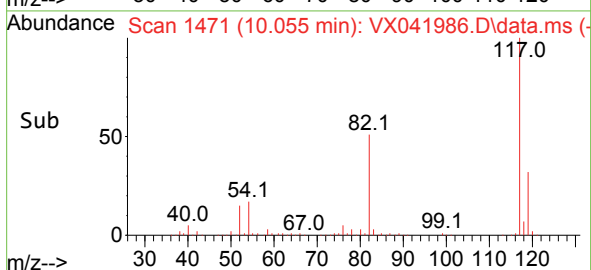
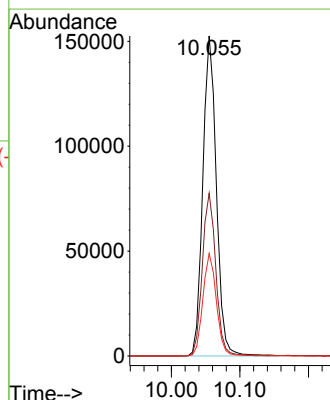
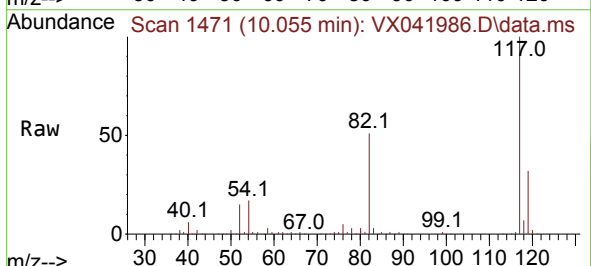
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-189-GW-583-585DL

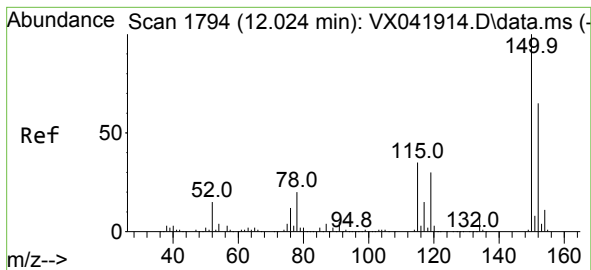
Tgt Ion: 95 Resp: 91120
Ion Ratio Lower Upper
95 100
174 98.9 0.0 135.6
176 95.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

Tgt Ion: 117 Resp: 210426
Ion Ratio Lower Upper
117 100
82 50.9 46.2 69.4
119 32.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041986.D

Acq: 21 Jun 2024 17:34

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-189-GW-583-585DL

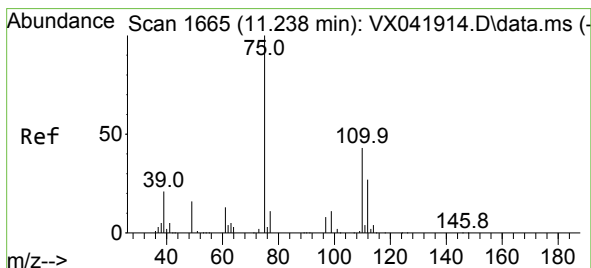
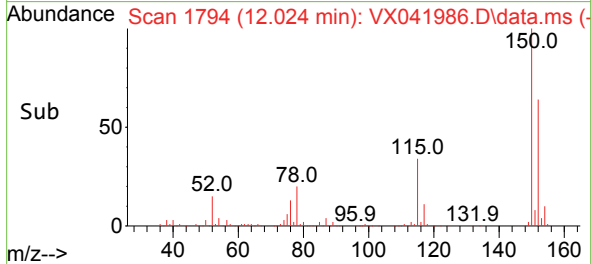
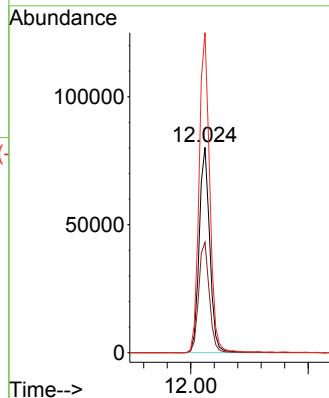
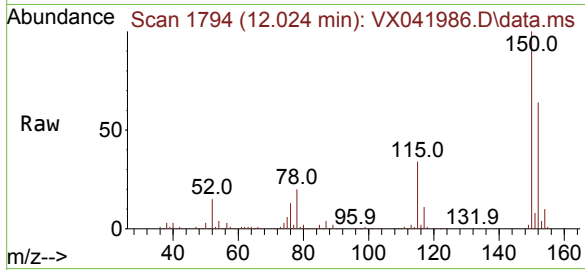
Tgt Ion:152 Resp: 100224

Ion Ratio Lower Upper

152 100

115 54.1 43.3 129.9

150 155.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.293 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041986.D

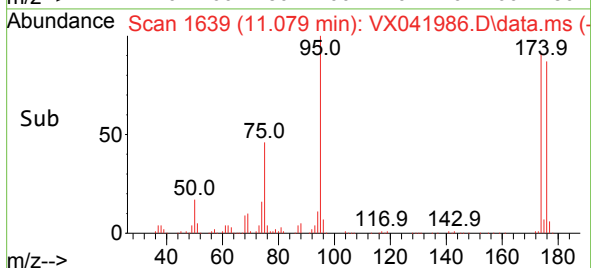
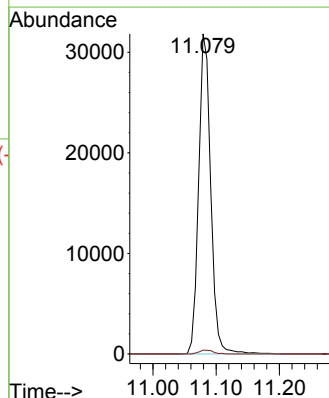
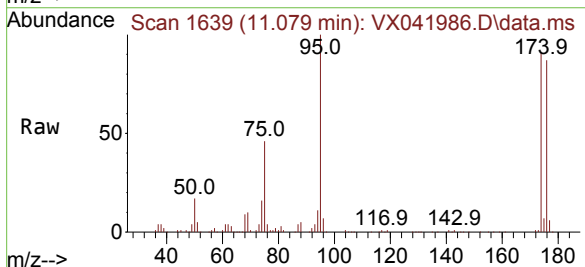
Acq: 21 Jun 2024 17:34

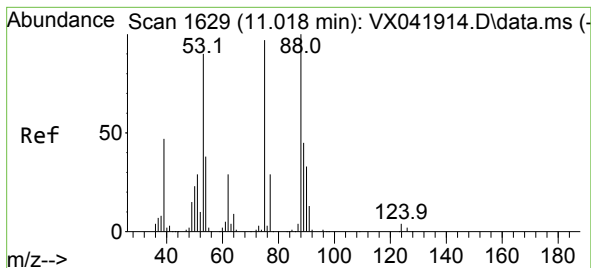
Tgt Ion: 75 Resp: 42380

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#

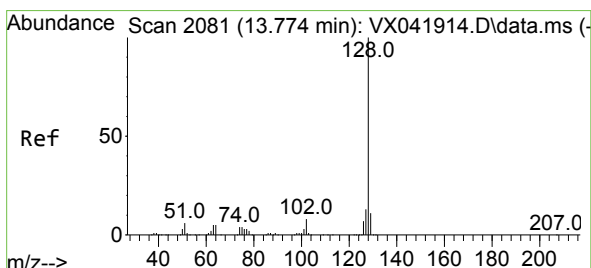
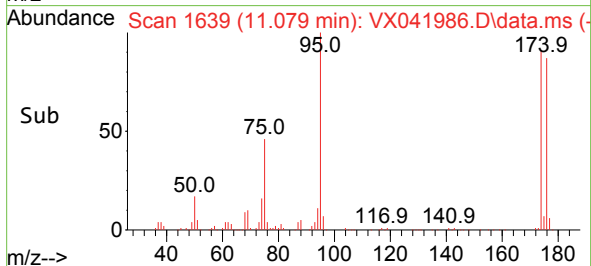
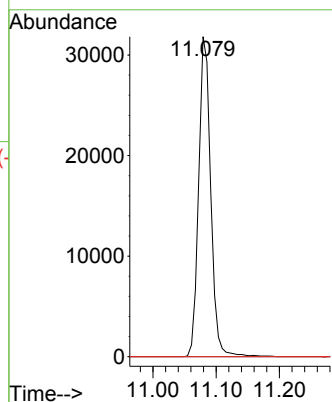
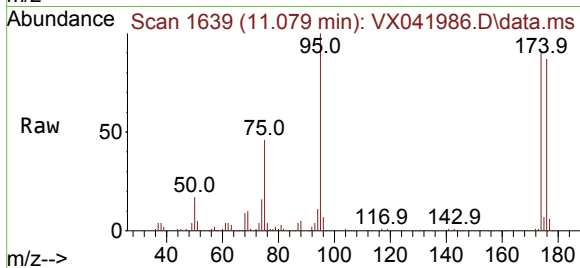




#81
trans-1,4-Dichloro-2-butene
Concen: 66.149 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

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

Tgt Ion: 75 Resp: 42380
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.757 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.018 min
Lab File: VX041986.D
Acq: 21 Jun 2024 17:34

Tgt Ion: 128 Resp: 70
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

