

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062124\
 Data File : VX041981.D
 Acq On : 21 Jun 2024 15:11
 Operator : JC/MD
 Sample : P3002-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-196-EB-20240618

Quant Time: Jun 22 04:42:37 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)

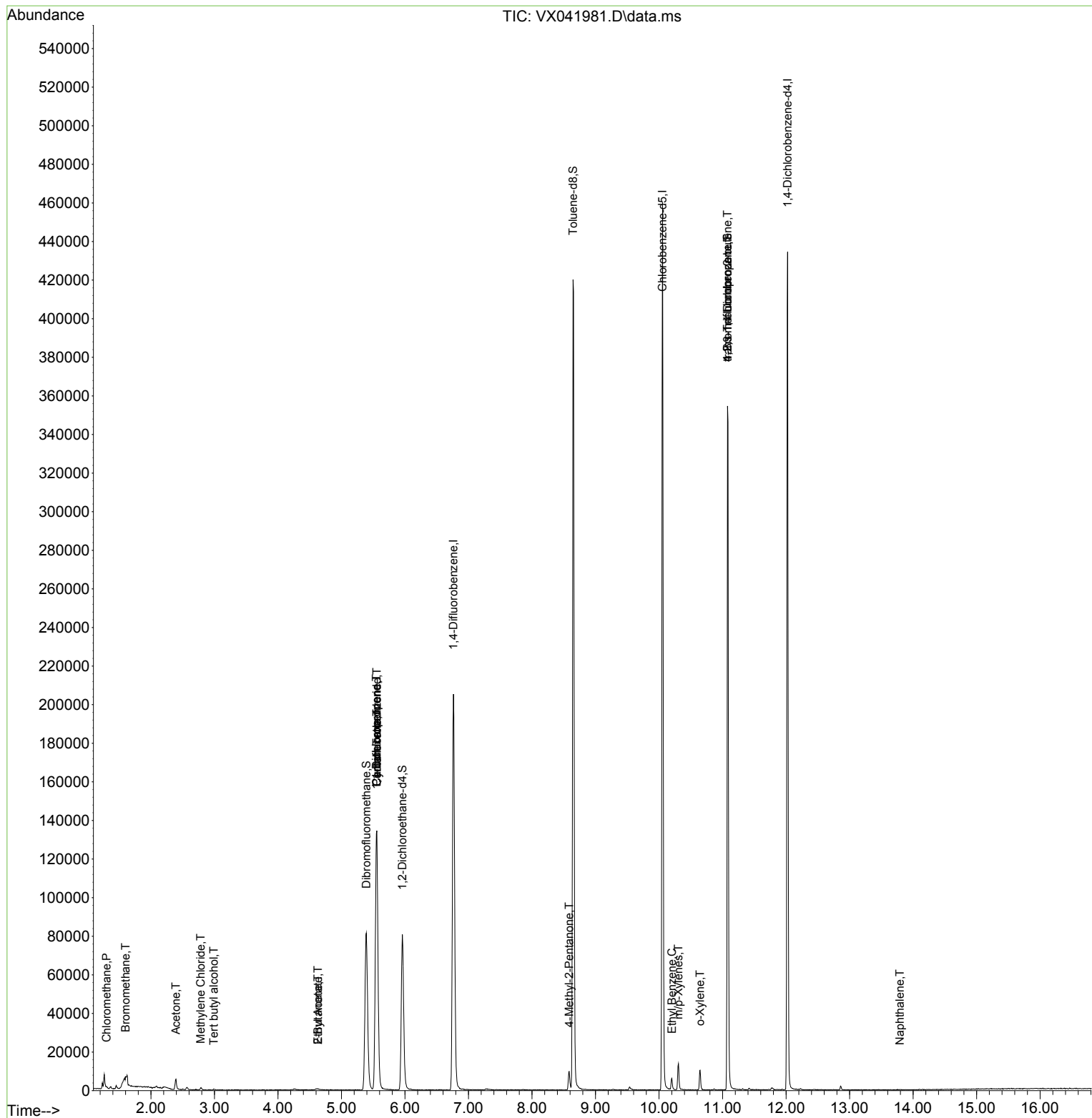
Internal Standards						
1) Pentafluorobenzene	5.556	168	147896	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	226967	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77368	45.366	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.740%
35) Dibromofluoromethane	5.391	113	73176	45.438	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.880%
50) Toluene-d8	8.647	98	266526	47.109	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.220%
62) 4-Bromofluorobenzene	11.079	95	96863	46.445	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.900%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	481	0.340	ug/l	# 85
5) Bromomethane	1.599	94	332	0.475	ug/l	# 74
6) Chloroethane	1.648	64	49	Below Cal	#	43
11) Tert butyl alcohol	2.989	59	586	1.811	ug/l	# 78
16) Acetone	2.392	43	5845	7.805	ug/l	# 86
20) Methylene Chloride	2.782	84	597	0.364	ug/l	# 79
25) 2-Butanone	4.629	43	1325	1.137	ug/l	94
31) Cyclohexane	5.556	56	2174	1.090	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9004	5.265	ug/l	# 50
37) Ethyl Acetate	4.629	43	1325	0.595	ug/l	# 69
38) Carbon Tetrachloride	5.556	117	12717	6.730	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.586	43	6337	2.690	ug/l	94
67) Ethyl Benzene	10.201	91	4006	0.558	ug/l	99
68) m/p-Xylenes	10.305	106	3751	1.294	ug/l	94
69) o-Xylene	10.646	106	2731	0.952	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	44440	23.231	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	44440	65.974	ug/l	# 5
95) Naphthalene	13.792	128	132	0.765	ug/l	# 69

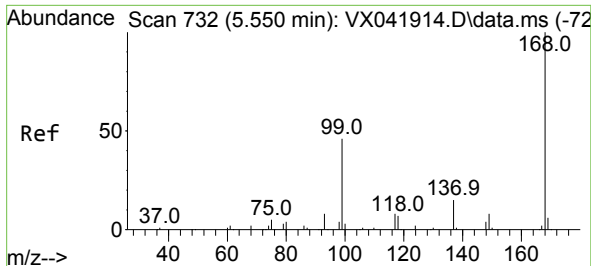
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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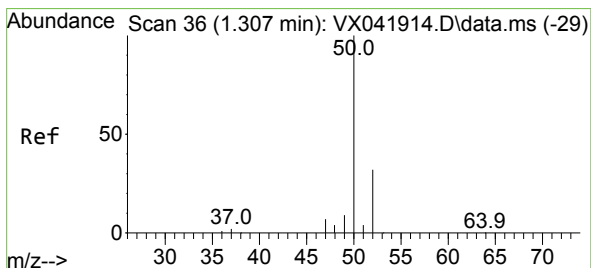
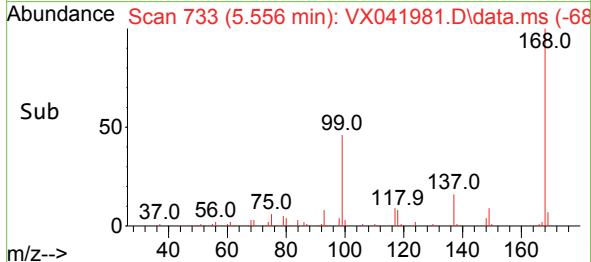
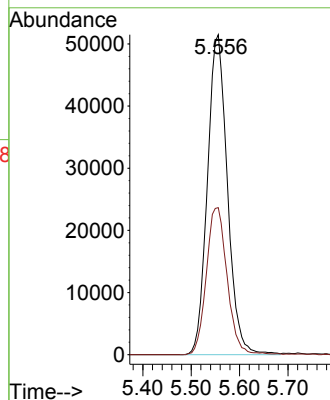
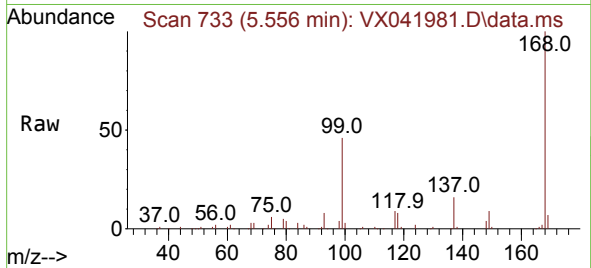




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

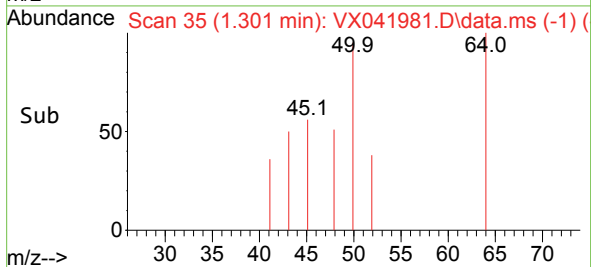
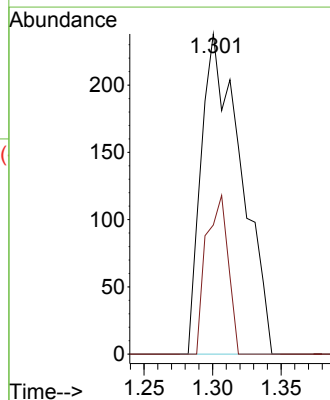
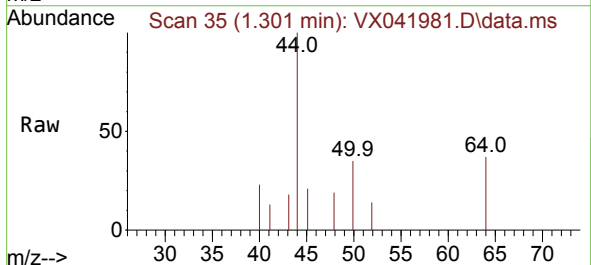
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-EB-20240618

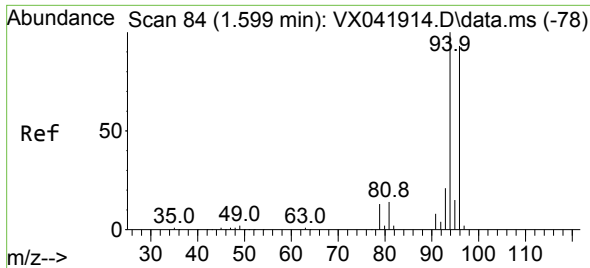
Tgt Ion:168 Resp: 147896
Ion Ratio Lower Upper
168 100
99 46.0 56.6 85.0#



#3
Chloromethane
Concen: 0.340 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Tgt Ion: 50 Resp: 481
Ion Ratio Lower Upper
50 100
52 40.3 25.5 38.3#

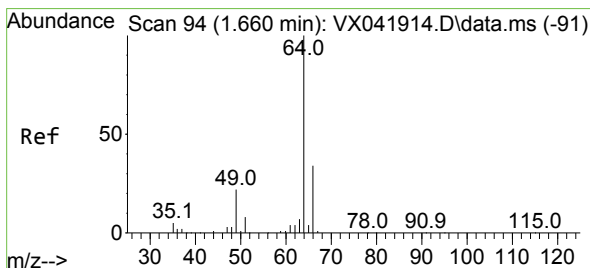
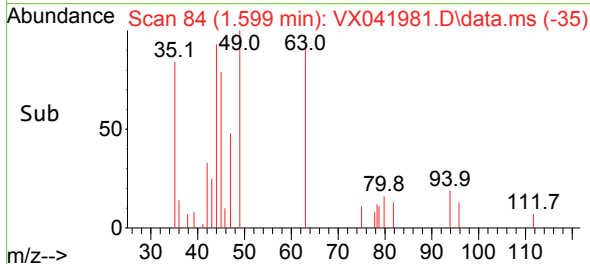
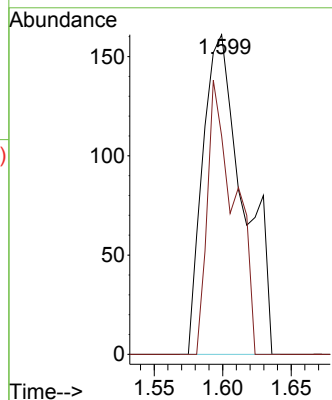
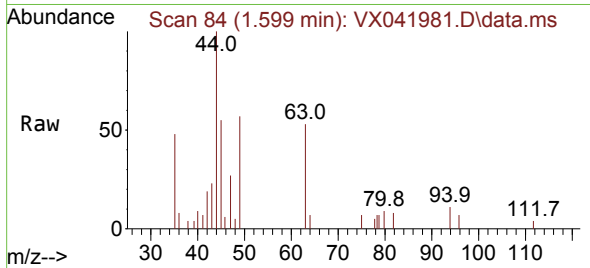




#5
Bromomethane
Concen: 0.475 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

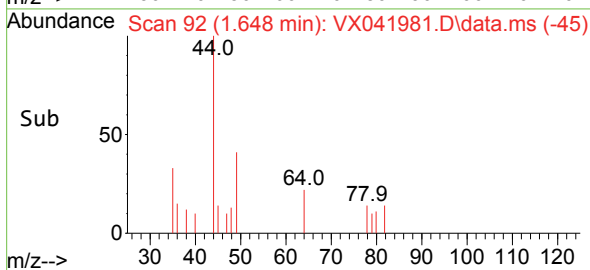
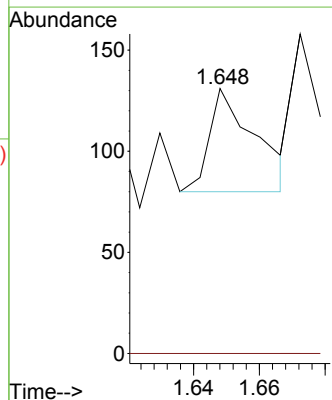
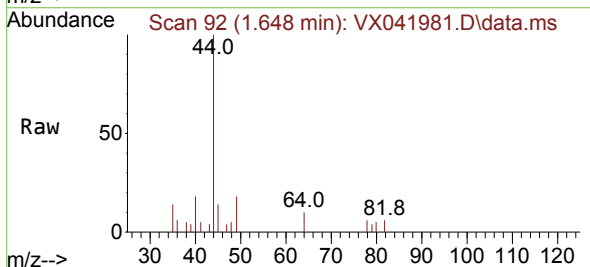
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-EB-20240618

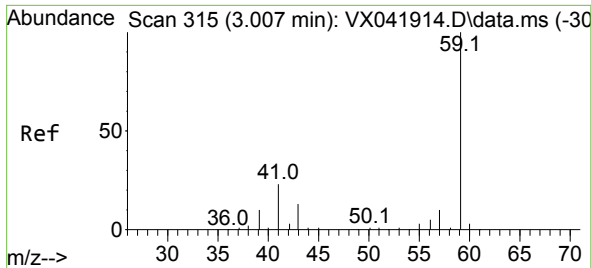
Tgt Ion: 94 Resp: 332
Ion Ratio Lower Upper
94 100
96 68.3 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 92
Delta R.T. -0.012 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Tgt Ion: 64 Resp: 49
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

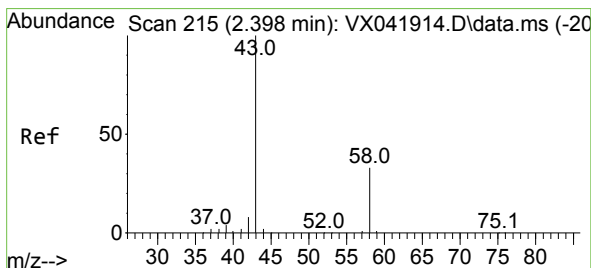
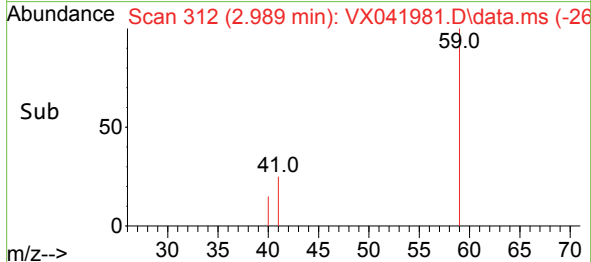
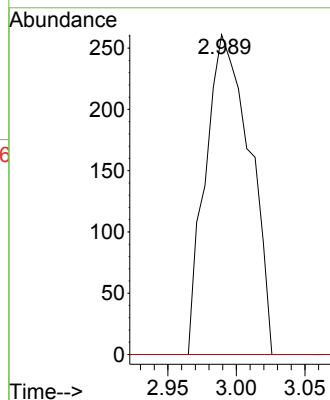
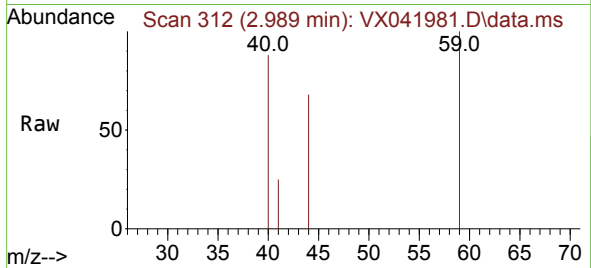




#11
Tert butyl alcohol
Concen: 1.811 ug/l
RT: 2.989 min Scan# 315
Delta R.T. -0.018 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

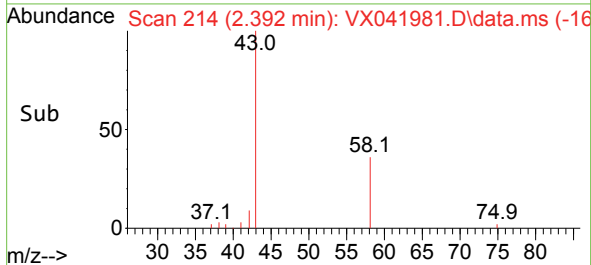
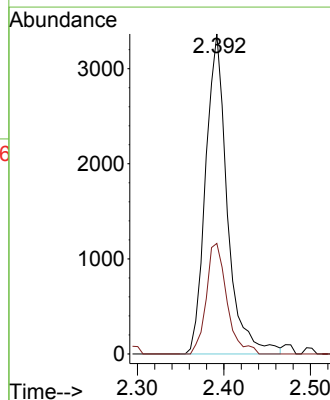
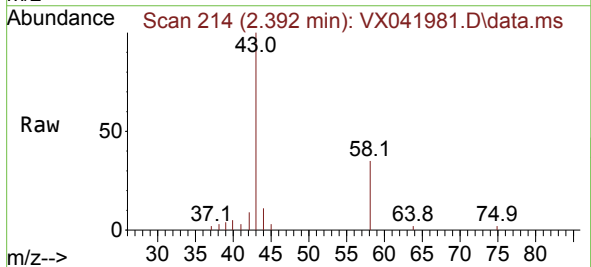
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-EB-20240618

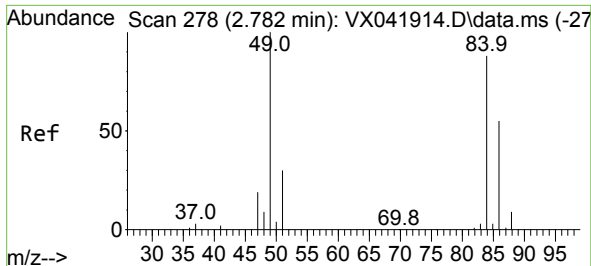
Tgt Ion: 59 Resp: 586
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 7.805 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

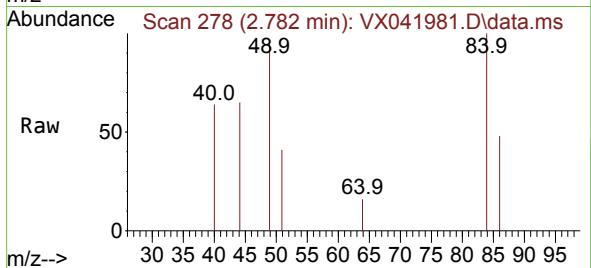
Tgt Ion: 43 Resp: 5845
Ion Ratio Lower Upper
43 100
58 34.5 21.9 32.9#





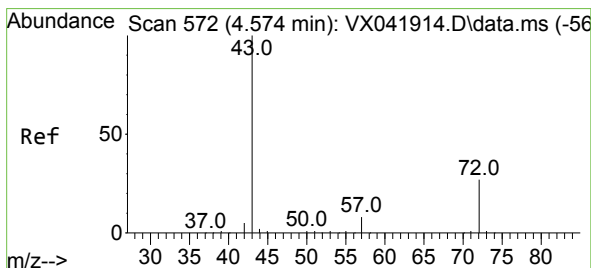
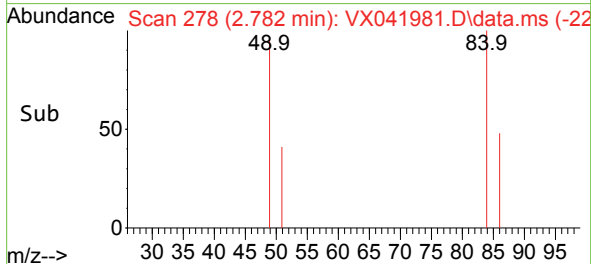
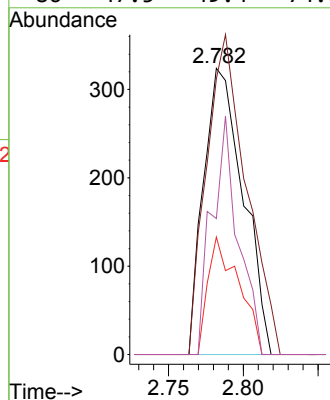
#20
Methylene Chloride
Concen: 0.364 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-EB-20240618



Tgt Ion: 84 Resp: 597

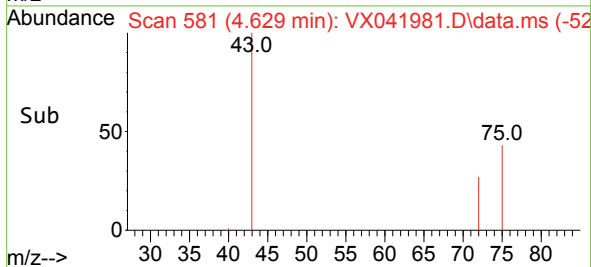
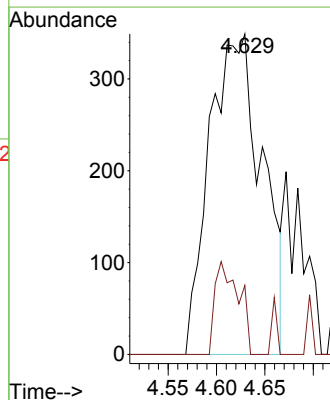
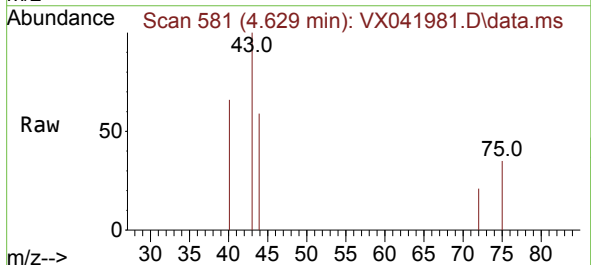
Ion	Ratio	Lower	Upper
84	100		
49	96.3	103.6	155.4#
51	41.0	33.8	50.6
86	47.5	49.4	74.0#

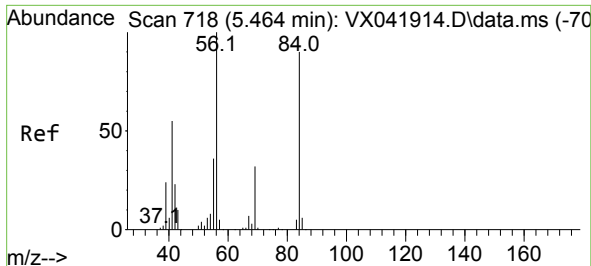


#25
2-Butanone
Concen: 1.137 ug/l
RT: 4.629 min Scan# 581
Delta R.T. 0.055 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Tgt Ion: 43 Resp: 1325

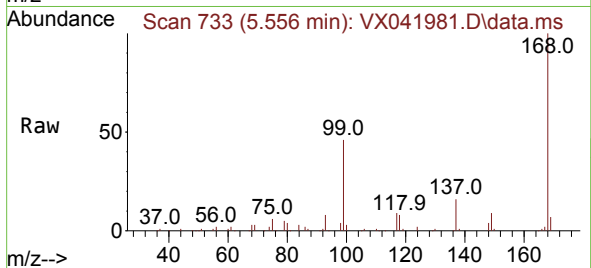
Ion	Ratio	Lower	Upper
43	100		
72	21.5	19.4	29.2



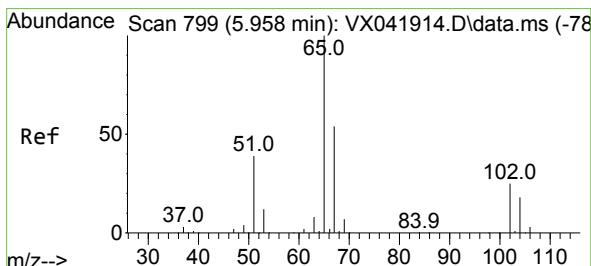
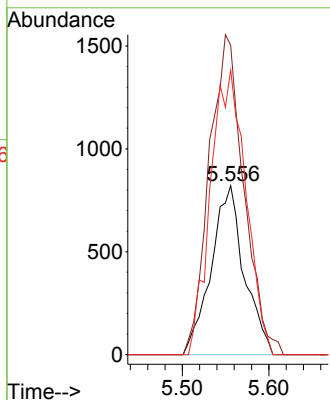
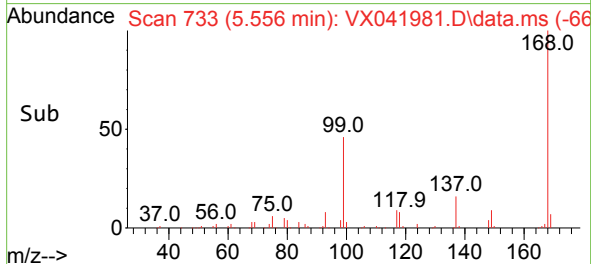


#31
Cyclohexane
Concen: 1.090 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-EB-20240618

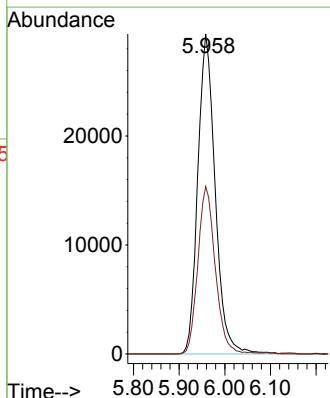
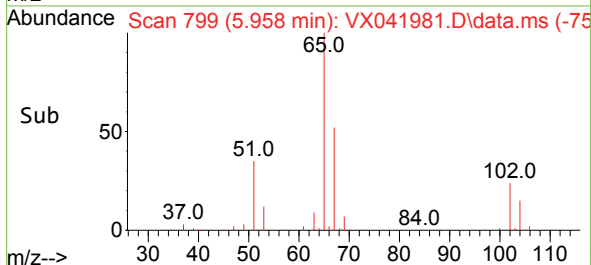
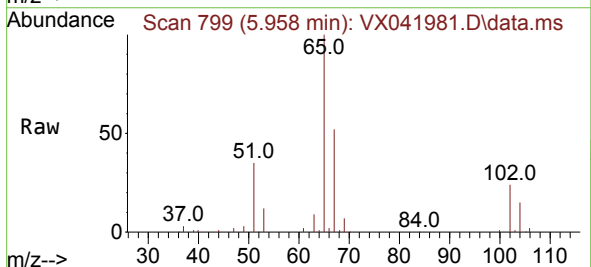


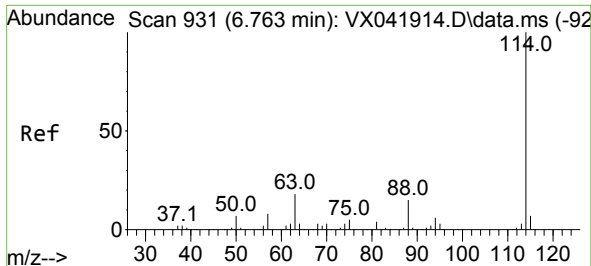
Tgt Ion: 56 Resp: 2174
Ion Ratio Lower Upper
56 100
69 183.2 23.4 35.2#
84 168.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.366 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Tgt Ion: 65 Resp: 77368
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2

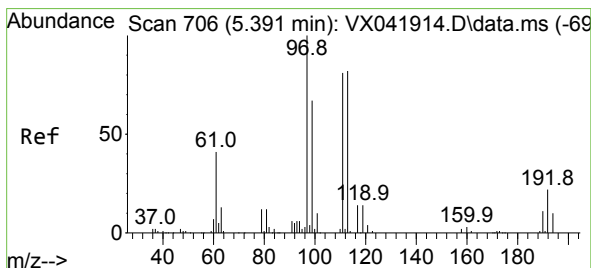
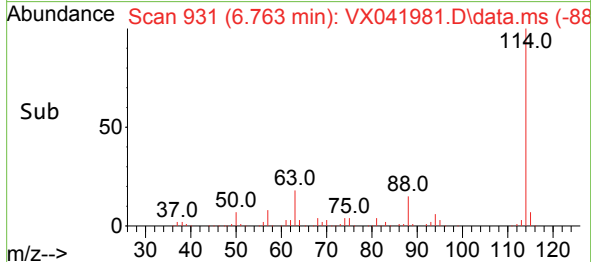
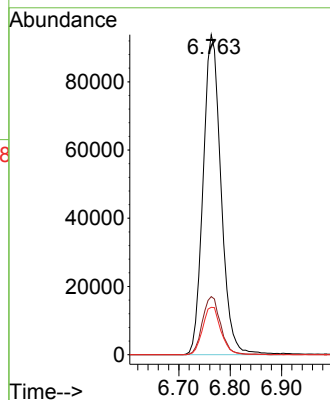
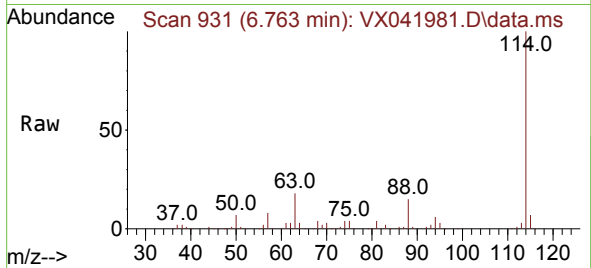




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

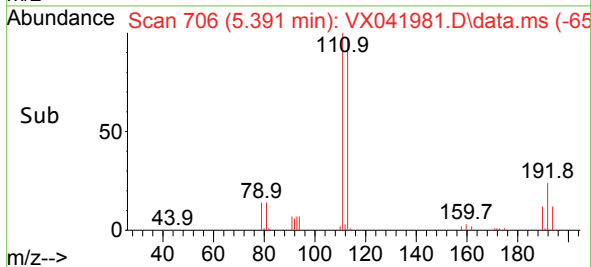
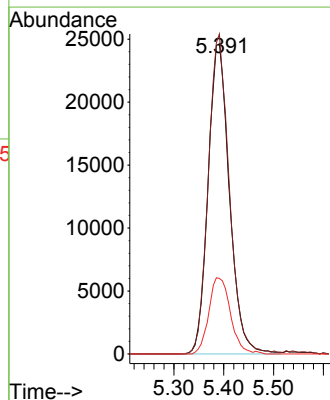
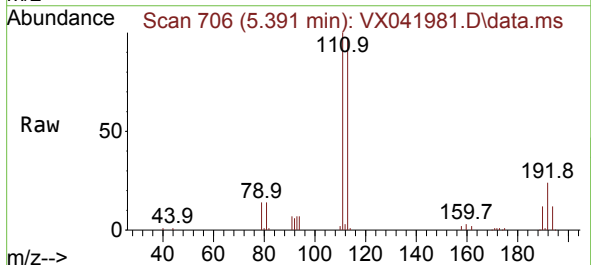
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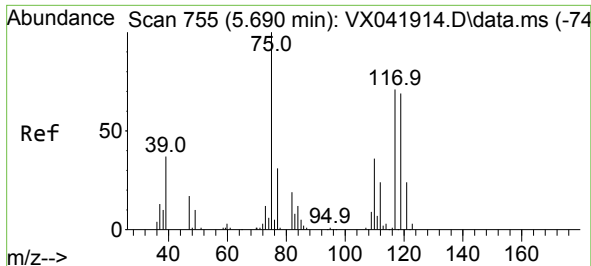
Tgt Ion:114 Resp: 226967
Ion Ratio Lower Upper
114 100
63 18.1 0.0 45.0
88 14.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.438 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Tgt Ion:113 Resp: 73176
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 25.0 13.3 19.9#

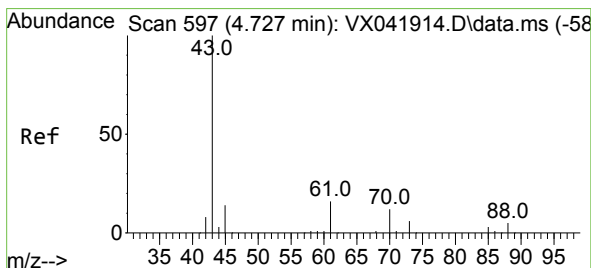
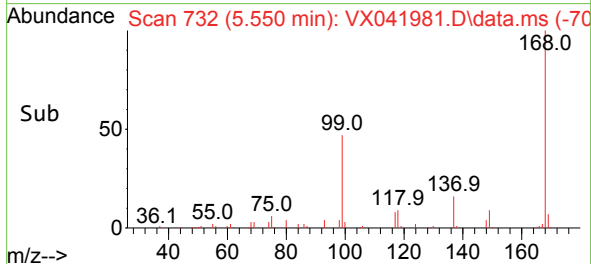
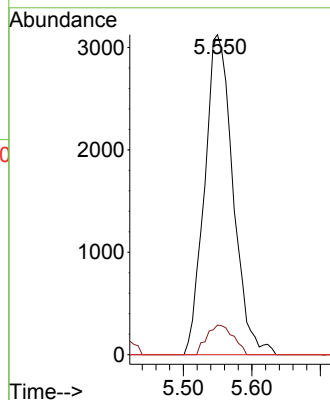
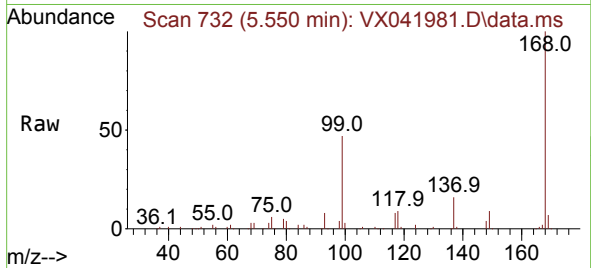




#36
1,1-Dichloropropene
Concen: 5.265 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

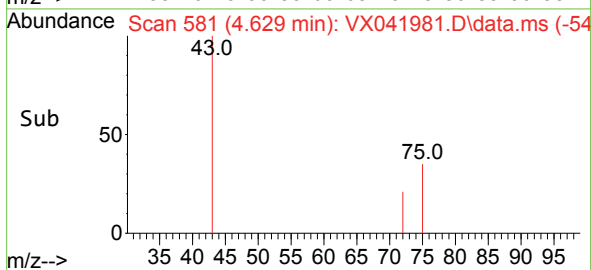
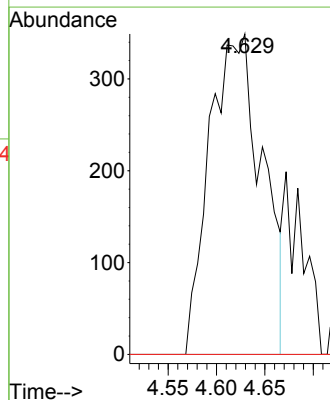
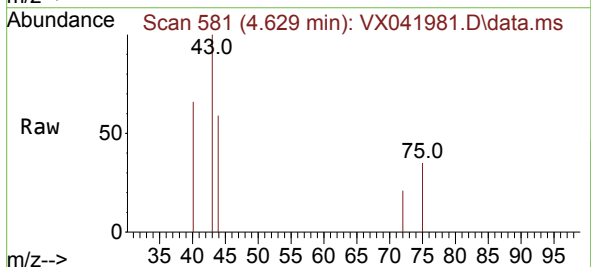
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-EB-20240618

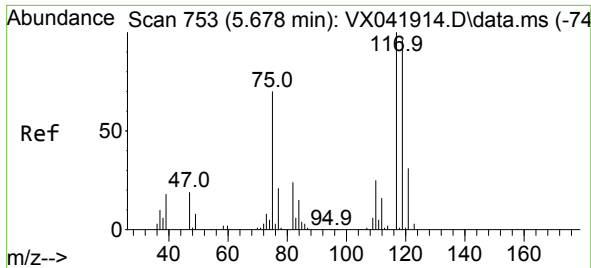
Tgt Ion: 75 Resp: 9004
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.595 ug/l
RT: 4.629 min Scan# 581
Delta R.T. -0.097 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

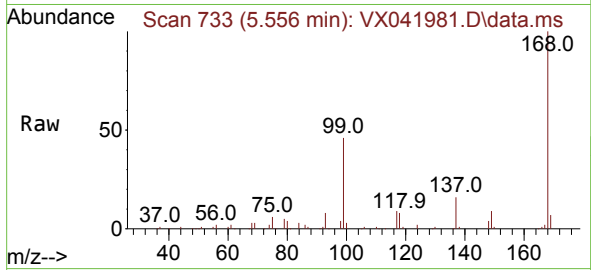
Tgt Ion: 43 Resp: 1325
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



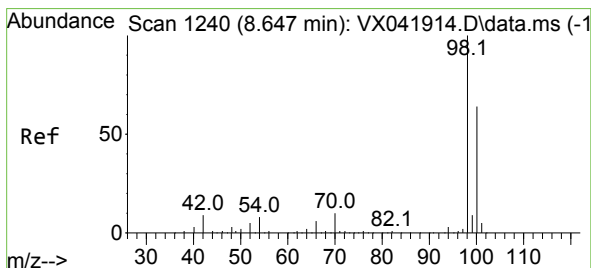
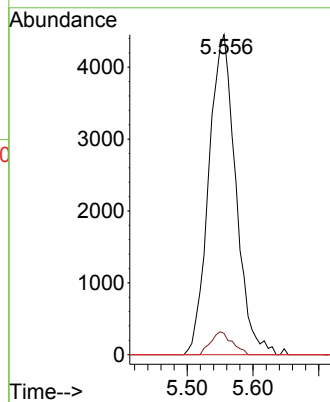
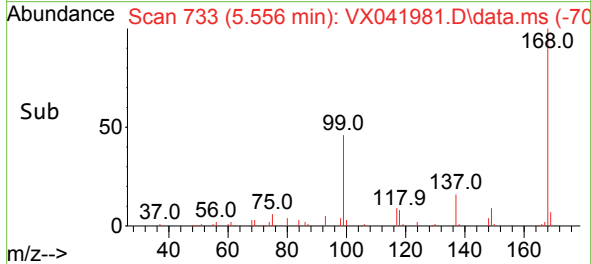


#38
Carbon Tetrachloride
Concen: 6.730 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-EB-20240618

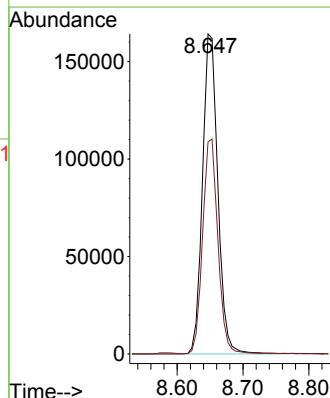
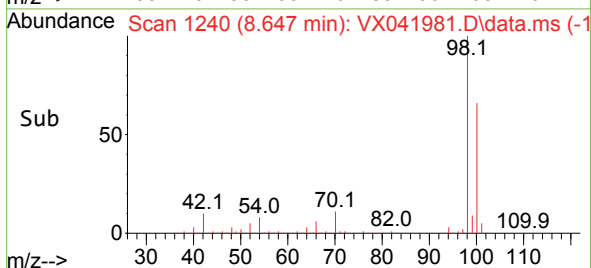
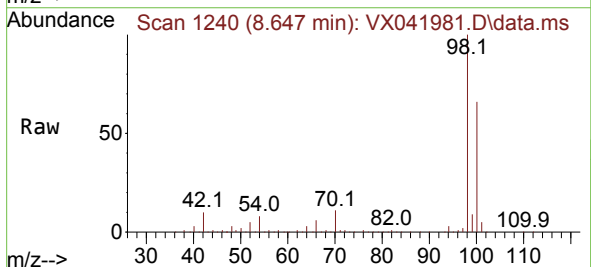


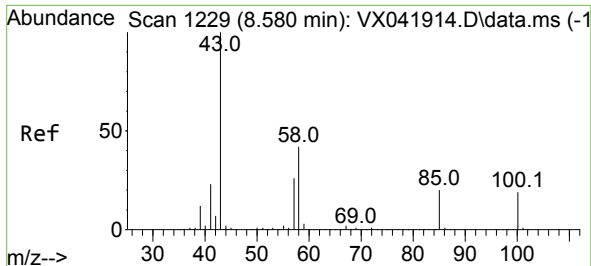
Tgt Ion:117 Resp: 12717
Ion Ratio Lower Upper
117 100
119 6.6 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 47.109 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Tgt Ion: 98 Resp: 266526
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 2.690 ug/l

RT: 8.586 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX041981.D

Acq: 21 Jun 2024 15:11

Instrument :

MSVOA_X

ClientSampleId :

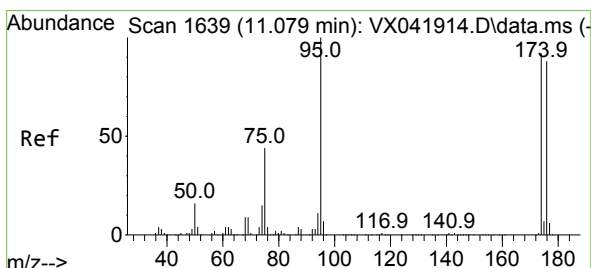
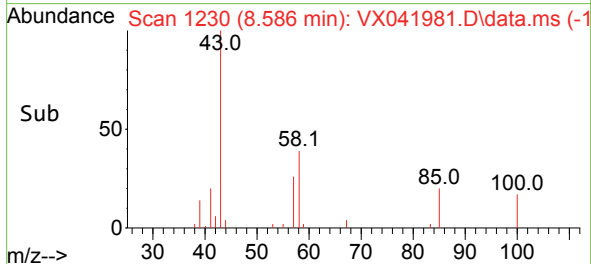
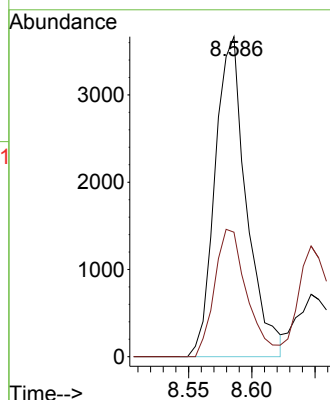
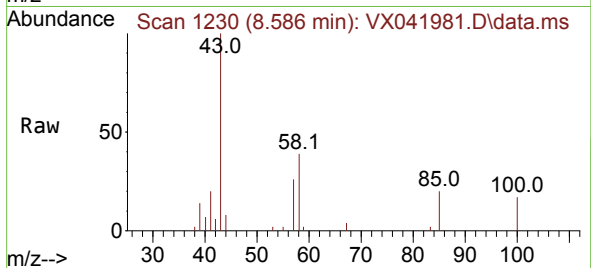
BP-VPB-196-EB-20240618

Tgt Ion: 43 Resp: 6337

Ion Ratio Lower Upper

43 100

58 41.4 30.4 45.6



#62

4-Bromofluorobenzene

Concen: 46.445 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041981.D

Acq: 21 Jun 2024 15:11

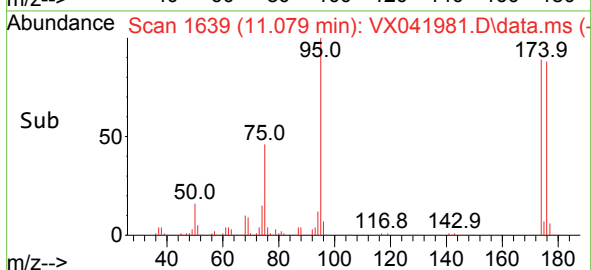
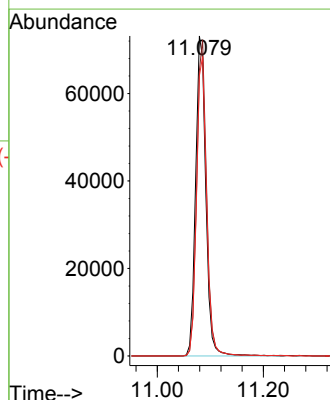
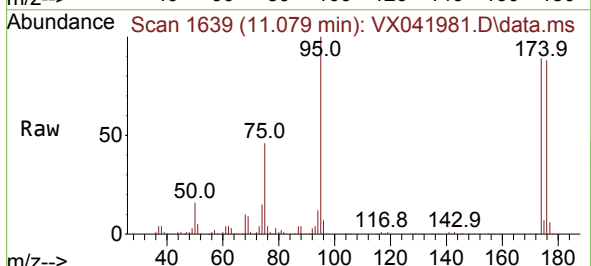
Tgt Ion: 95 Resp: 96863

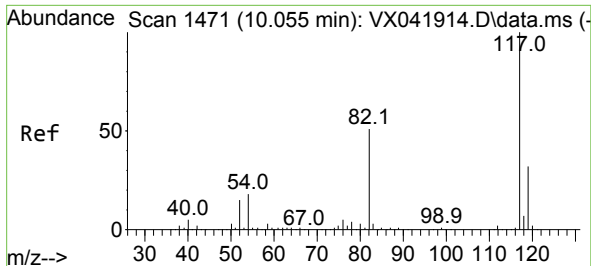
Ion Ratio Lower Upper

95 100

174 96.8 0.0 135.6

176 93.5 0.0 131.0

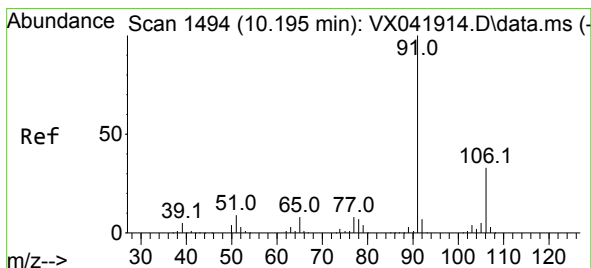
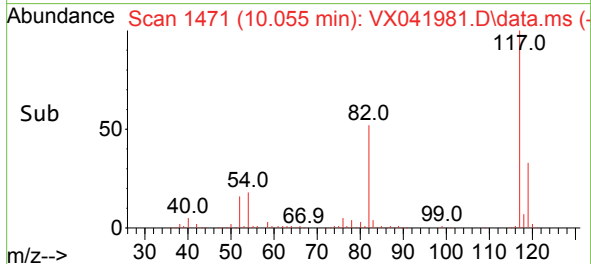
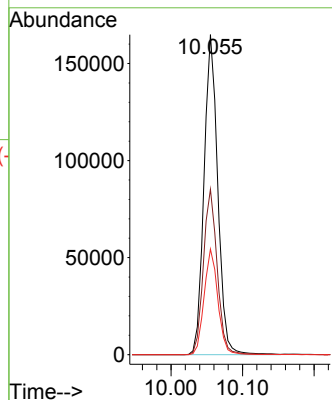
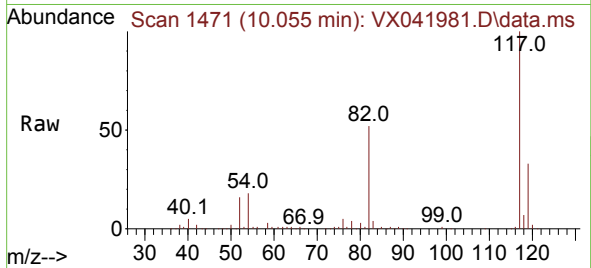




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

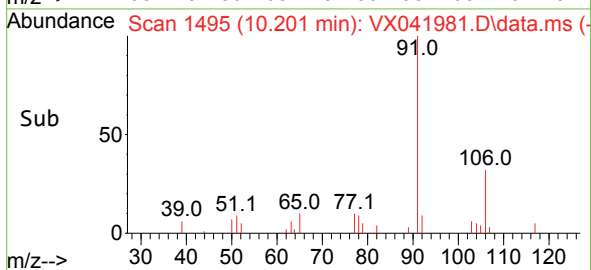
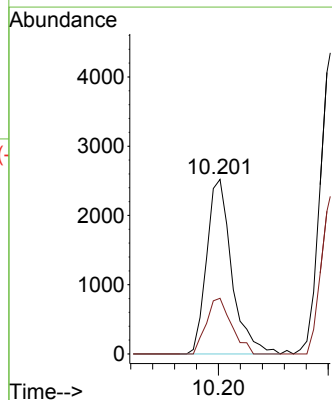
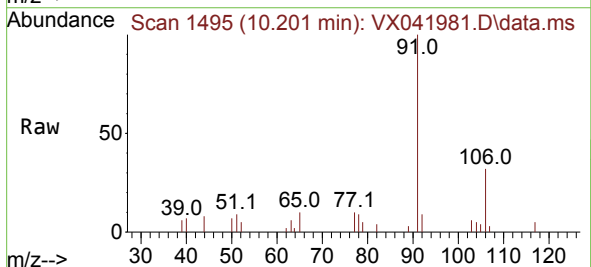
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-EB-20240618

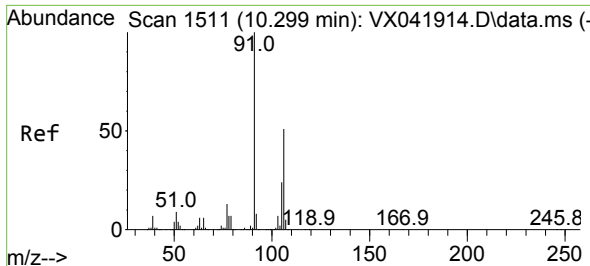
Tgt Ion:117 Resp: 220335
Ion Ratio Lower Upper
117 100
82 51.7 46.2 69.4
119 33.0 25.5 38.3



#67
Ethyl Benzene
Concen: 0.558 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Tgt Ion: 91 Resp: 4006
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3

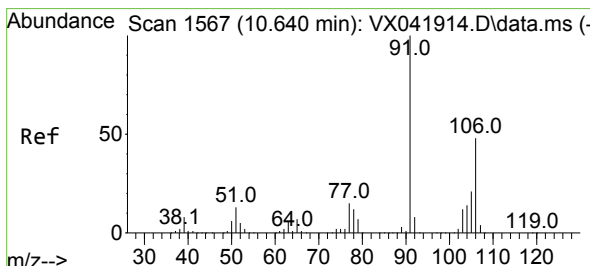
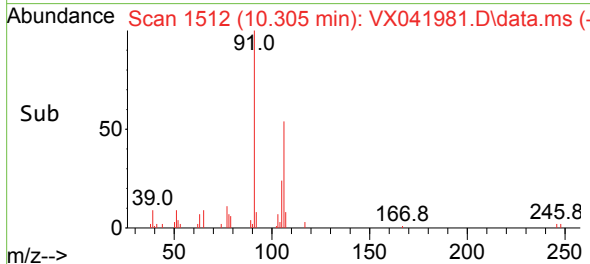
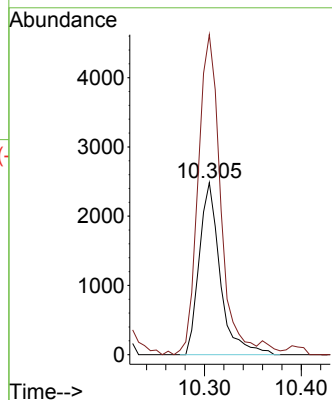
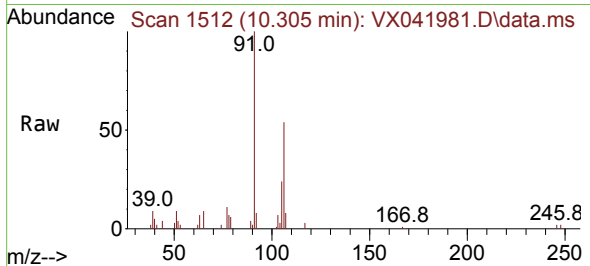




#68
m/p-Xylenes
Concen: 1.294 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

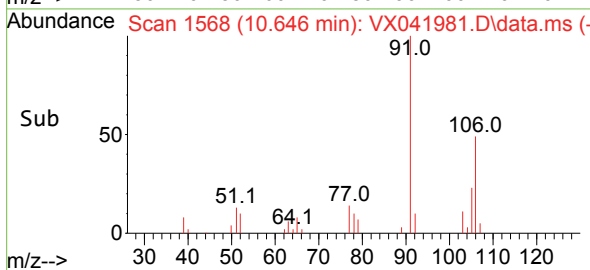
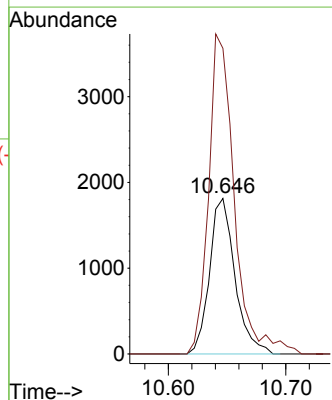
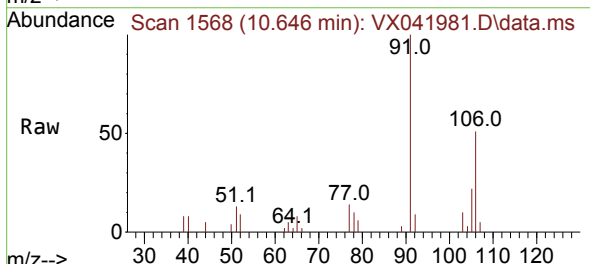
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-EB-20240618

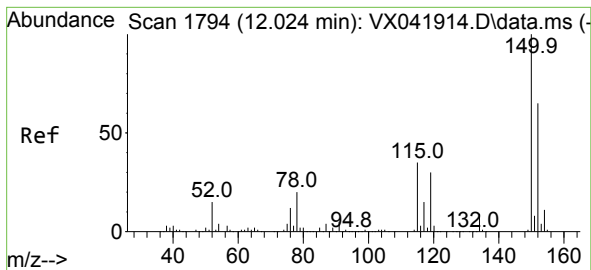
Tgt Ion:106 Resp: 3751
Ion Ratio Lower Upper
106 100
91 197.2 165.5 248.3



#69
o-Xylene
Concen: 0.952 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Tgt Ion:106 Resp: 2731
Ion Ratio Lower Upper
106 100
91 207.5 108.9 326.8

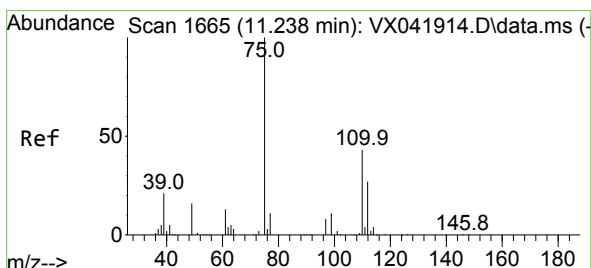
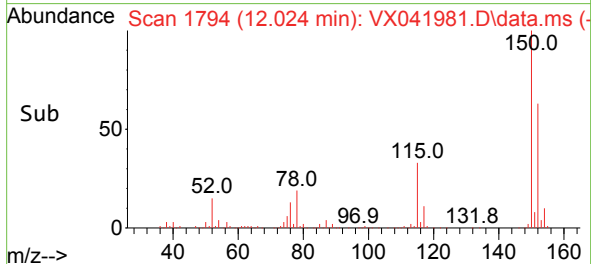
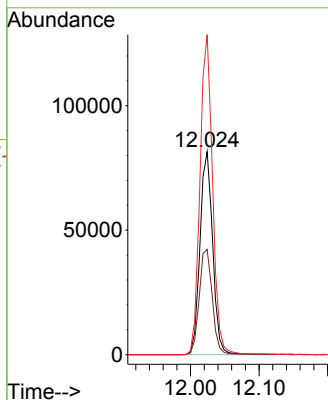
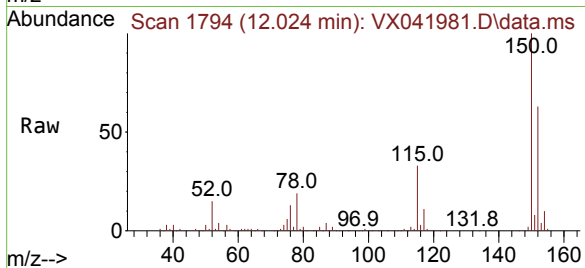




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

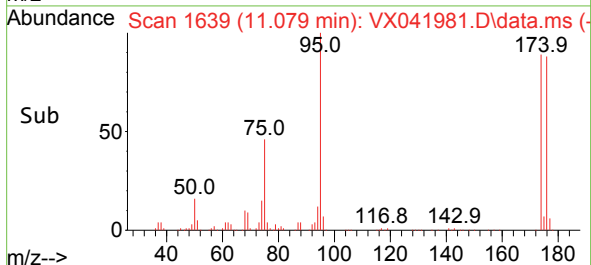
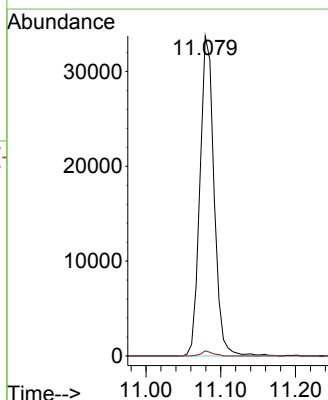
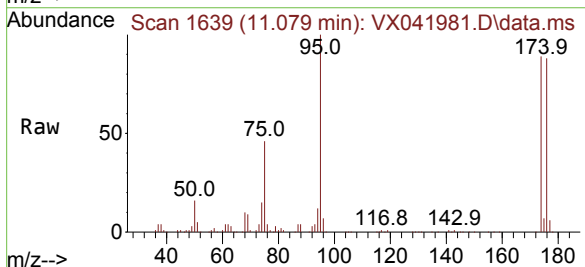
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-EB-20240618

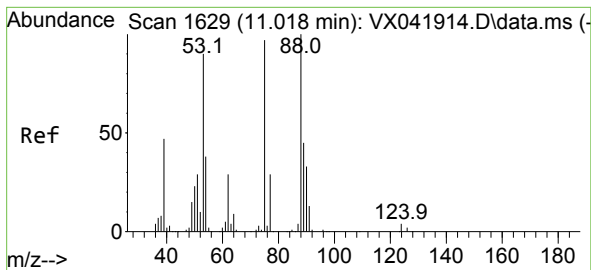
Tgt Ion:152 Resp: 105374
Ion Ratio Lower Upper
152 100
115 53.3 43.3 129.9
150 156.8 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 23.231 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Tgt Ion: 75 Resp: 44440
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

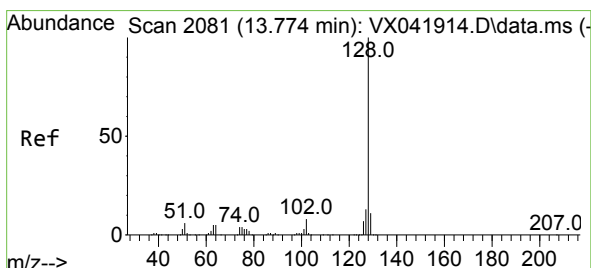
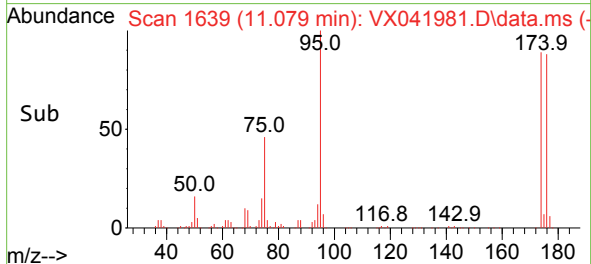
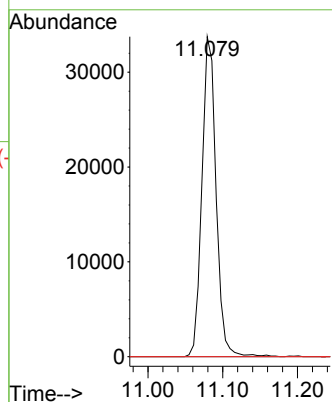
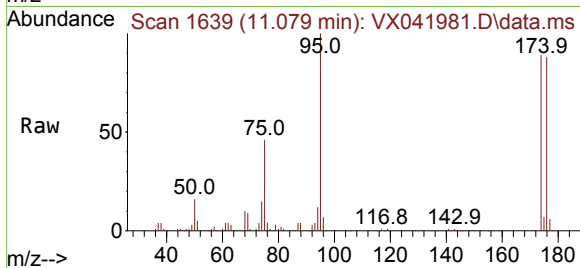




#81
trans-1,4-Dichloro-2-butene
Concen: 65.974 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-196-EB-20240618

Tgt Ion: 75 Resp: 44440
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.765 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.018 min
Lab File: VX041981.D
Acq: 21 Jun 2024 15:11

Tgt Ion:128 Resp: 132
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

