

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038194.D
 Acq On : 10 Oct 2023 12:27
 Operator : JC/MD
 Sample : 04810-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10A-TB-20231004

Quant Time: Oct 11 01:36:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

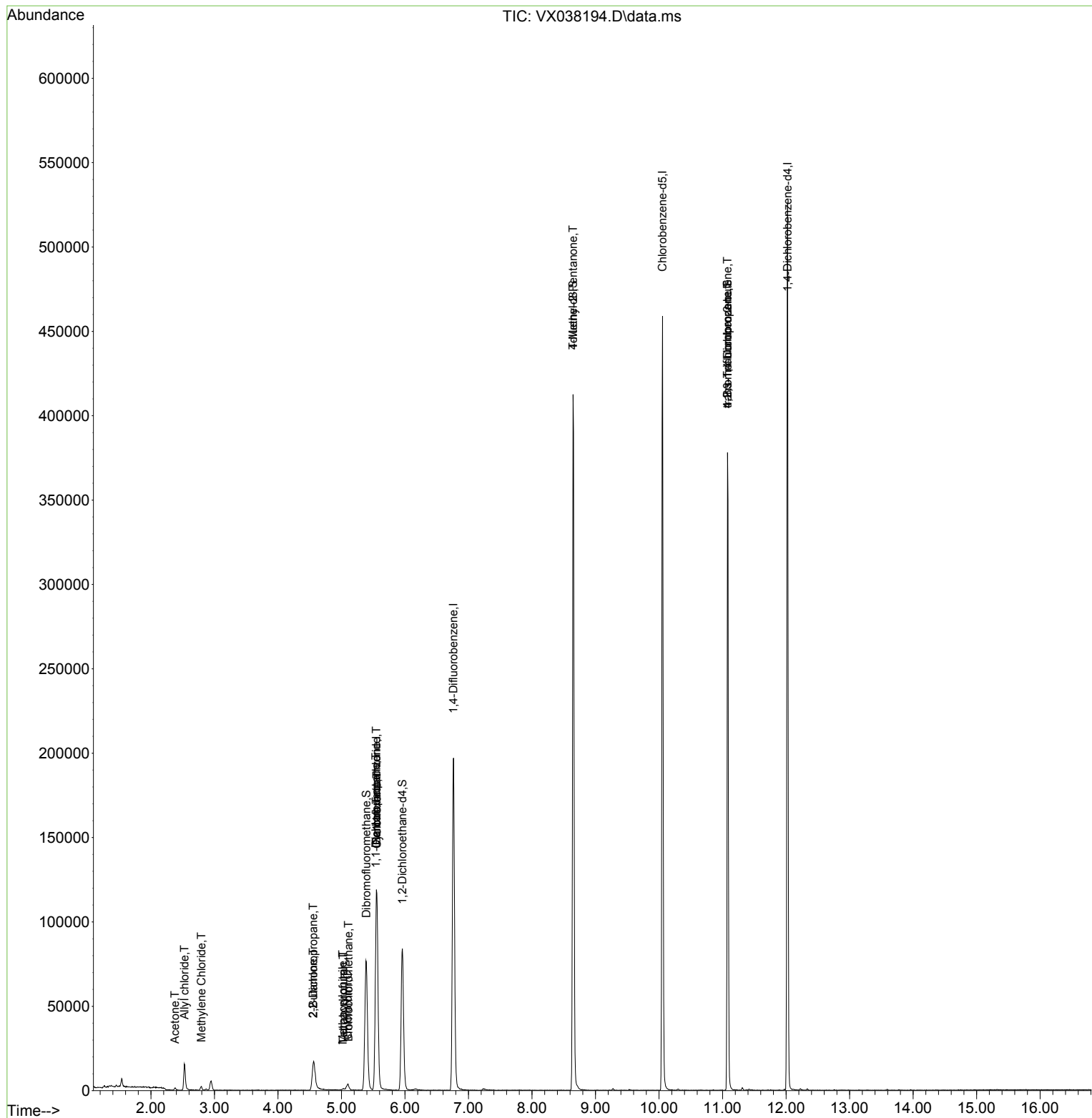
Internal Standards						
1) Pentafluorobenzene	5.550	168	111261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	199677	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82436	46.065	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.120%
35) Dibromofluoromethane	5.391	113	65783	45.721	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.440%
50) Toluene-d8	8.647	98	252033	45.841	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.680%#
62) 4-Bromofluorobenzene	11.079	95	93966	45.082	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.160%
Target Compounds						
					Qvalue	
5) Bromomethane	1.623	94	78	Below Cal	#	3
6) Chloroethane	1.690	64	118	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	3343	Below Cal	#	78
14) Allyl chloride	2.526	41	1548	0.850	ug/l #	63
16) Acetone	2.379	43	1333	1.785	ug/l #	82
20) Methylene Chloride	2.794	84	1068	0.760	ug/l	86
25) 2-Butanone	4.556	43	1185	0.983	ug/l #	51
26) 2,2-Dichloropropane	4.556	77	1343	0.743	ug/l #	54
28) Bromochloromethane	5.111	49	252	0.241	ug/l #	16
29) Tetrahydrofuran	5.025	42	450	0.574	ug/l #	82
30) Chloroform	5.098	83	4157	1.641	ug/l	93
31) Cyclohexane	5.556	56	2788	1.438	ug/l #	20
36) 1,1-Dichloropropene	5.543	75	10056	5.068	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12020	6.158	ug/l #	14
41) Methacrylonitrile	5.019	41	239	0.204	ug/l #	27
51) 4-Methyl-2-Pentanone	8.647	43	1135	0.468	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	53523	22.077	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	53523	63.297	ug/l #	5

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

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Quant Time: Oct 11 01:36:08 2023
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Quant Title : SW846 8260
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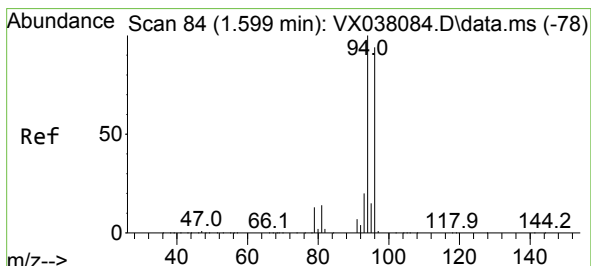
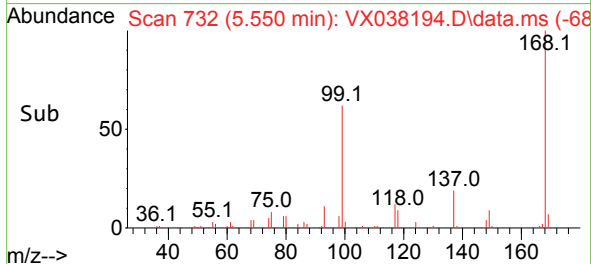
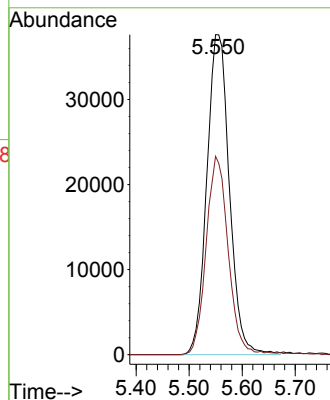
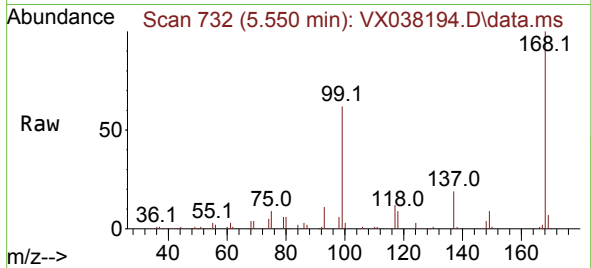




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

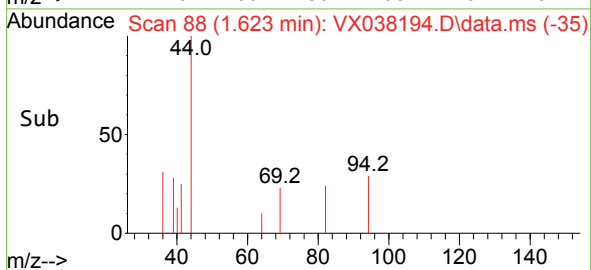
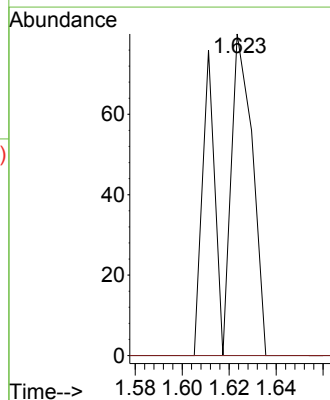
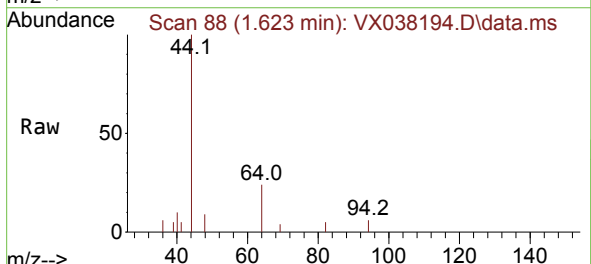
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-TB-20231004

Tgt Ion:168 Resp: 111261
Ion Ratio Lower Upper
168 100
99 62.0 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.623 min Scan# 88
Delta R.T. 0.024 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

Tgt Ion: 94 Resp: 78
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

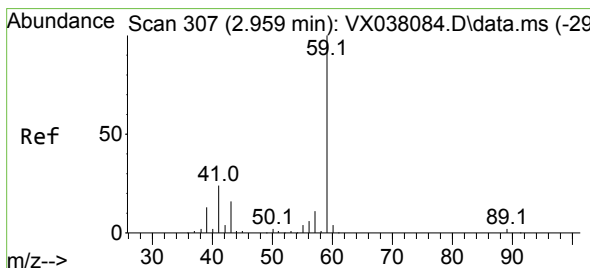
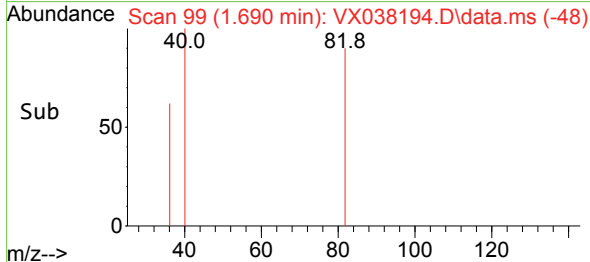
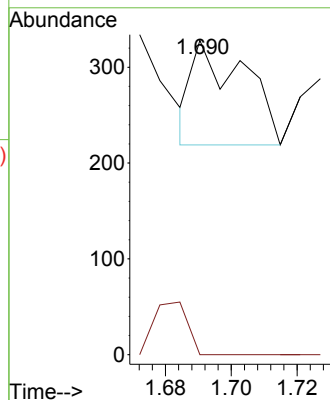
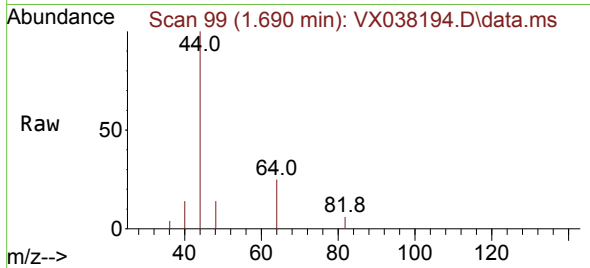




#6
Chloroethane
Concen: Below Cal
RT: 1.690 min Scan# 91
Delta R.T. 0.011 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

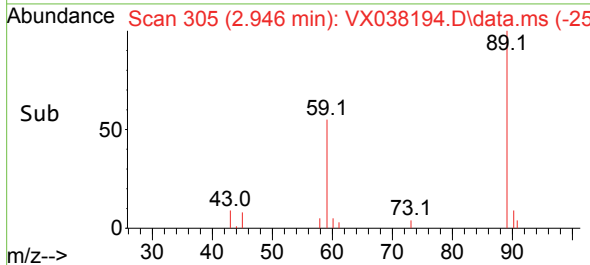
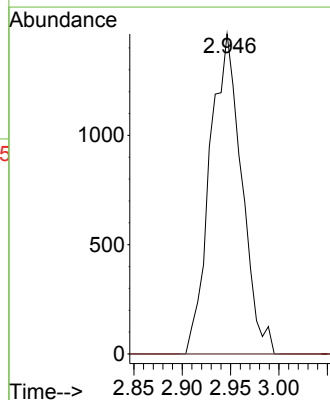
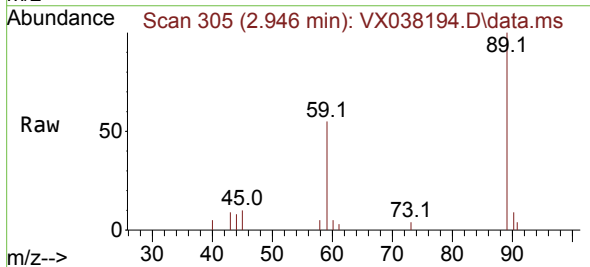
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-TB-20231004

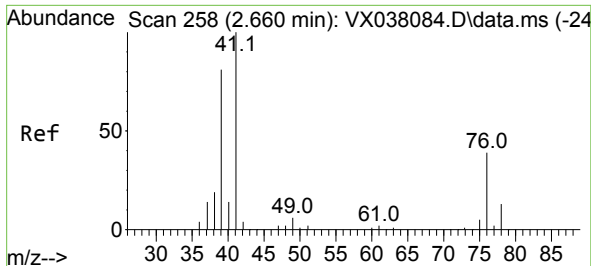
Tgt Ion: 64 Resp: 118
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.013 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

Tgt Ion: 59 Resp: 3343
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

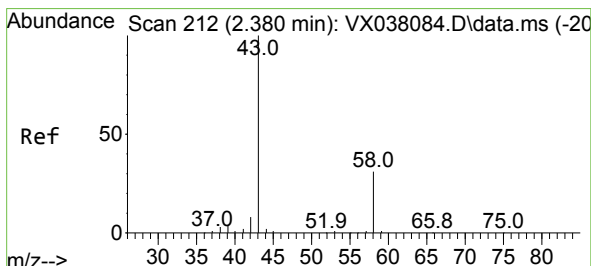
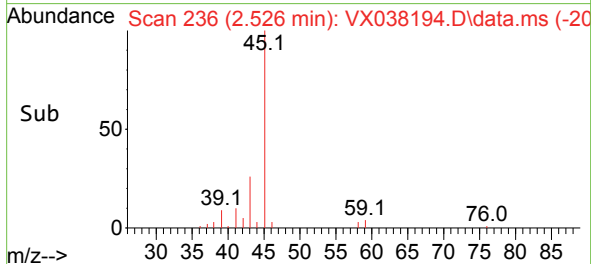
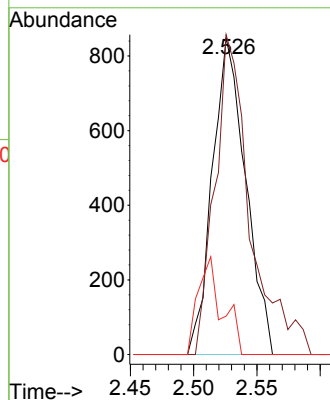
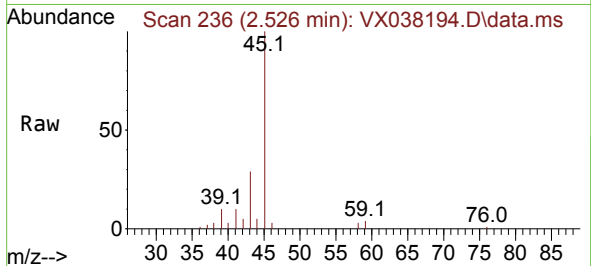




#14
 Allyl chloride
 Concen: 0.850 ug/l
 RT: 2.526 min Scan# 212
 Delta R.T. -0.134 min
 Lab File: VX038194.D
 Acq: 10 Oct 2023 12:27

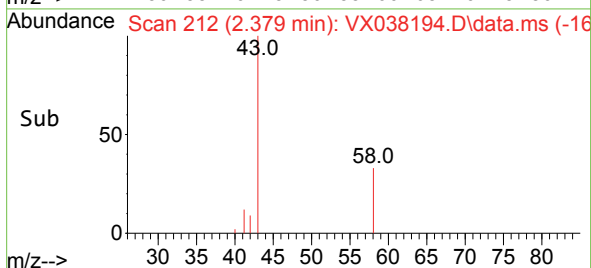
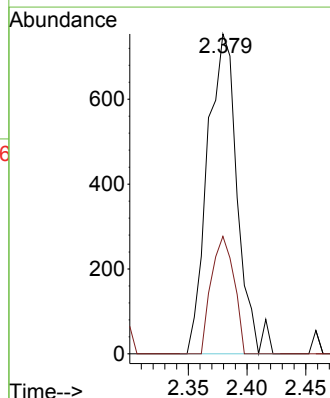
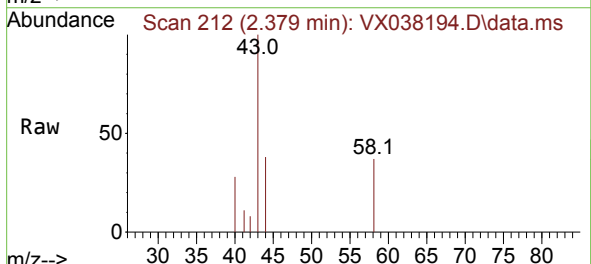
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10A-TB-20231004

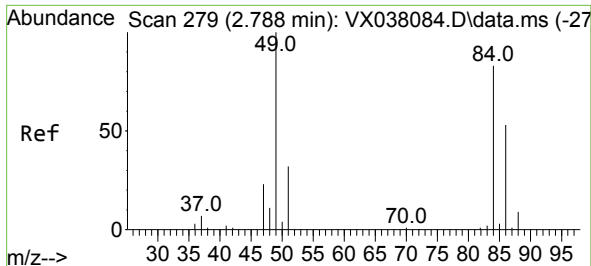
Tgt Ion: 41 Resp: 1548
 Ion Ratio Lower Upper
 41 100
 39 107.6 55.8 83.6#
 76 22.4 24.3 36.5#



#16
 Acetone
 Concen: 1.785 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.001 min
 Lab File: VX038194.D
 Acq: 10 Oct 2023 12:27

Tgt Ion: 43 Resp: 1333
 Ion Ratio Lower Upper
 43 100
 58 36.7 21.9 32.9#

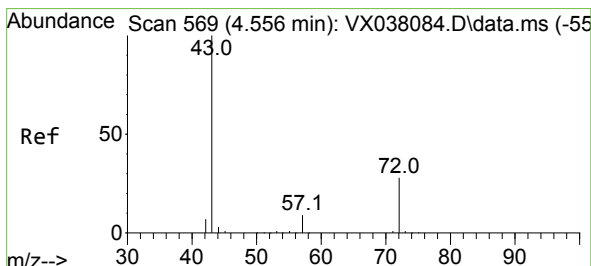
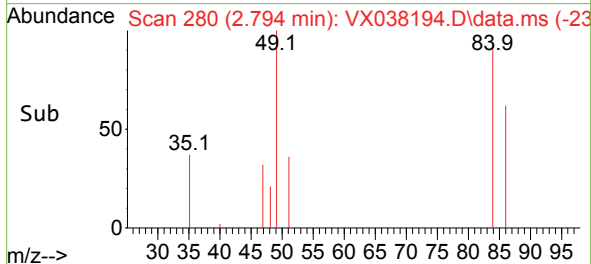
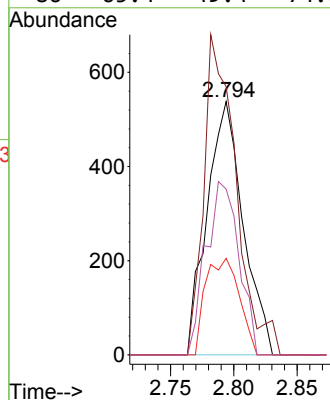
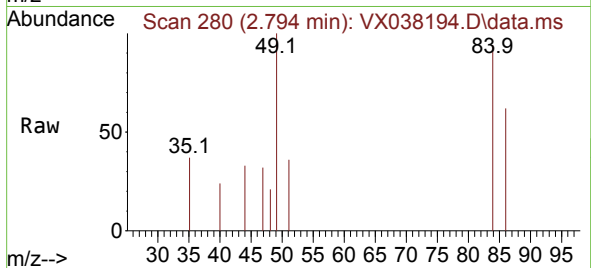




#20
Methylene Chloride
Concen: 0.760 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

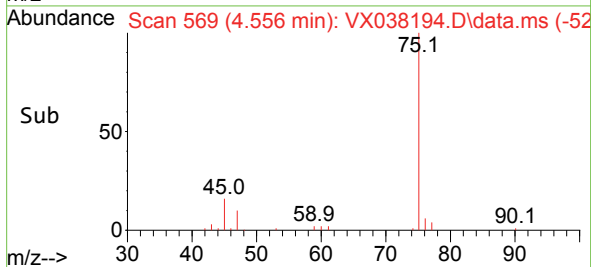
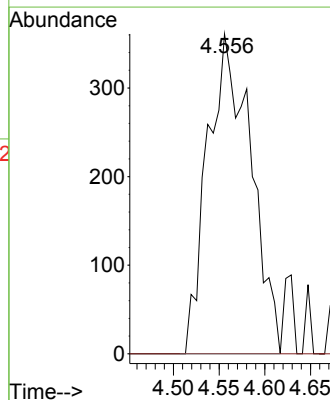
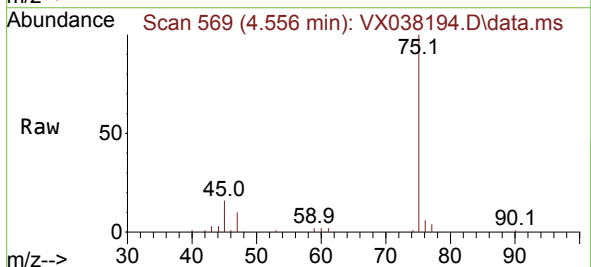
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-TB-20231004

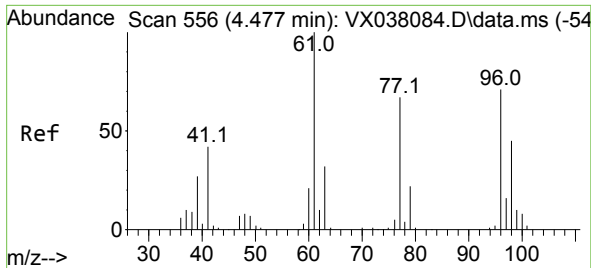
Tgt Ion: 84	Resp: 1068
Ion Ratio	Lower Upper
84	100
49	105.9 103.6 155.4
51	38.1 33.8 50.6
86	65.4 49.4 74.0



#25
2-Butanone
Concen: 0.983 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.000 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

Tgt Ion: 43	Resp: 1185
Ion Ratio	Lower Upper
43	100
72	0.0 19.4 29.2#

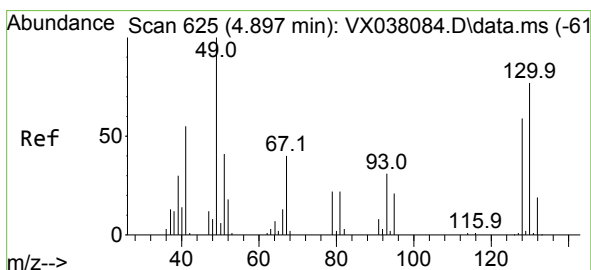
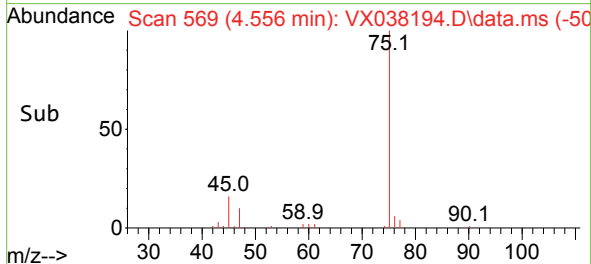
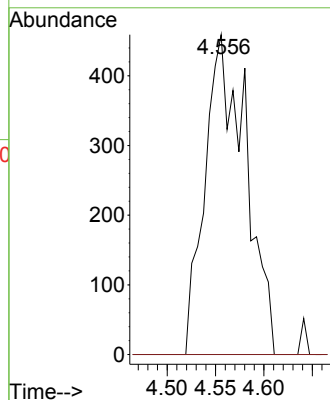
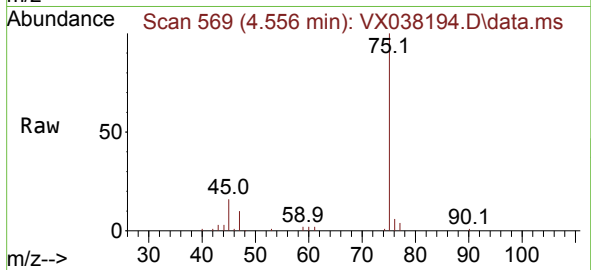




#26
2,2-Dichloropropane
Concen: 0.743 ug/l
RT: 4.556 min Scan# 51
Delta R.T. 0.079 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

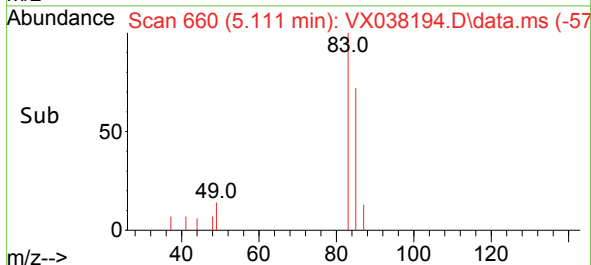
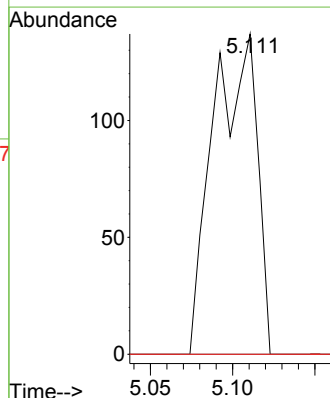
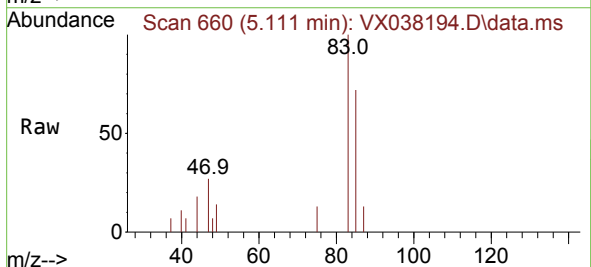
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-TB-20231004

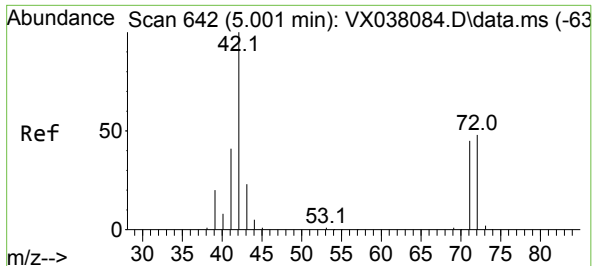
Tgt Ion: 77 Resp: 1343
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#28
Bromochloromethane
Concen: 0.241 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.214 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

Tgt Ion: 49 Resp: 252
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#





#29

Tetrahydrofuran

Concen: 0.574 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX038194.D

Acq: 10 Oct 2023 12:27

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW10A-TB-20231004

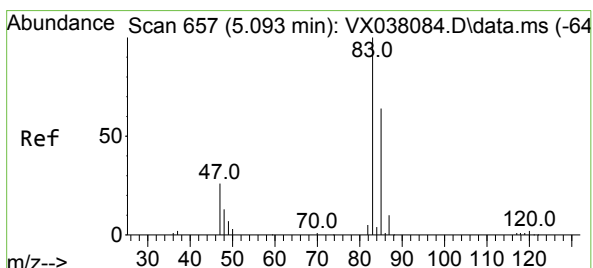
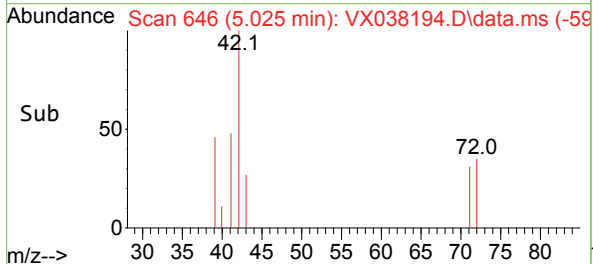
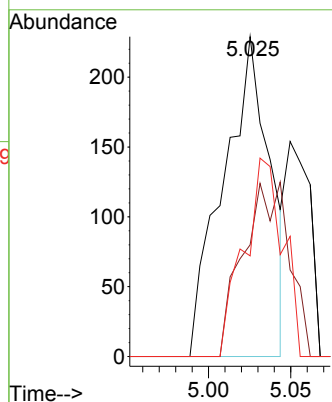
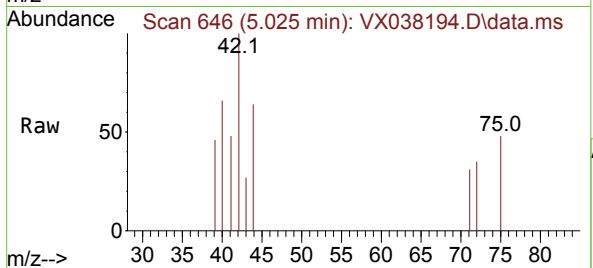
Tgt Ion: 42 Resp: 450

Ion Ratio Lower Upper

42 100

72 54.0 34.2 51.4#

71 52.0 32.2 48.2#



#30

Chloroform

Concen: 1.641 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.005 min

Lab File: VX038194.D

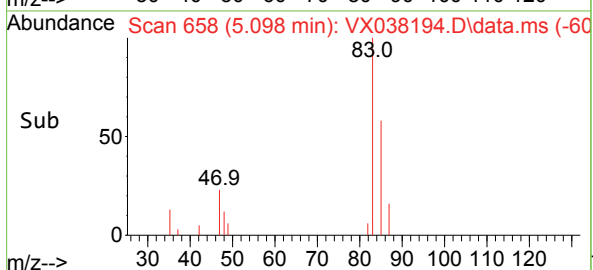
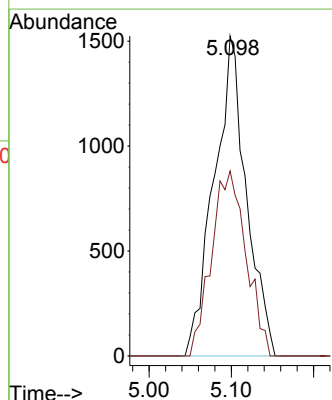
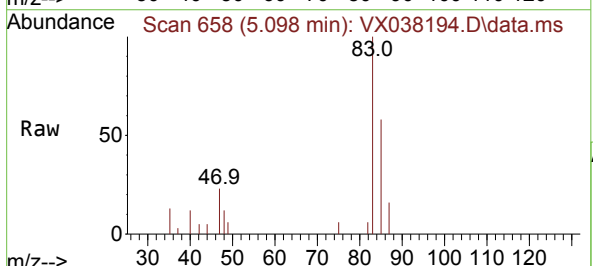
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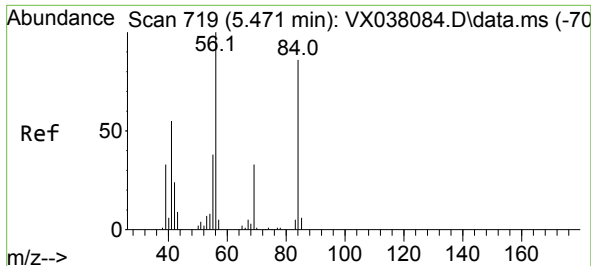
Tgt Ion: 83 Resp: 4157

Ion Ratio Lower Upper

83 100

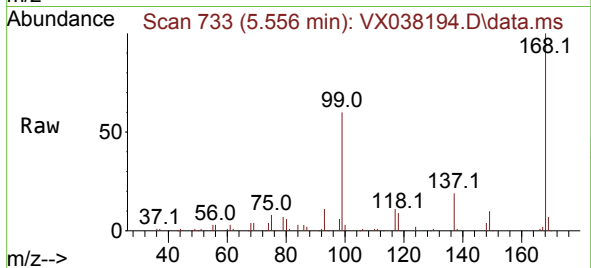
85 57.8 50.3 75.5



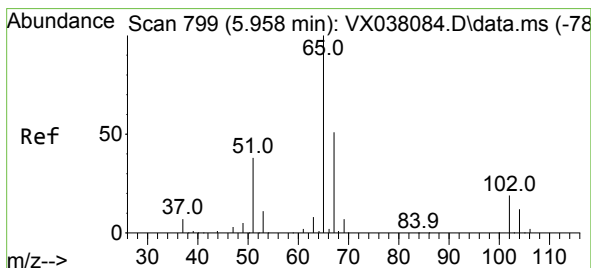
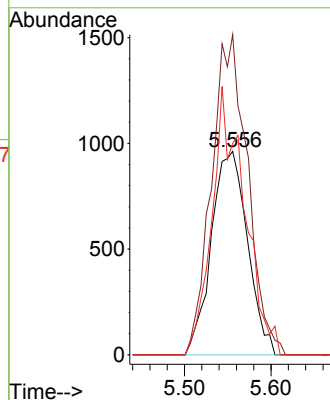
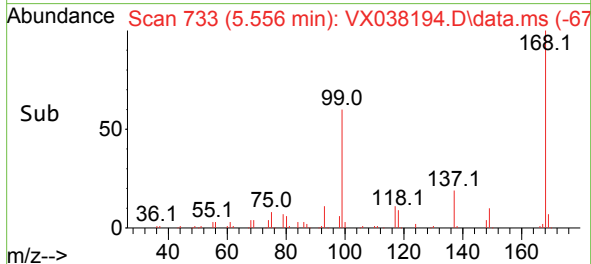


#31
Cyclohexane
Concen: 1.438 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-TB-20231004

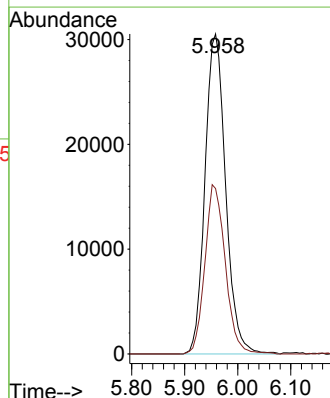
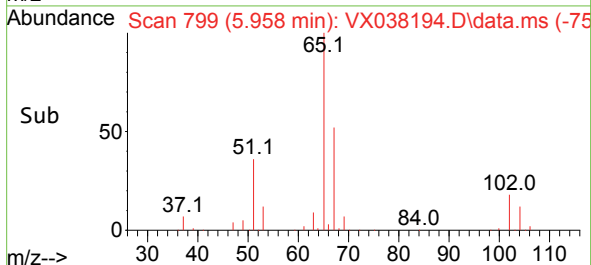
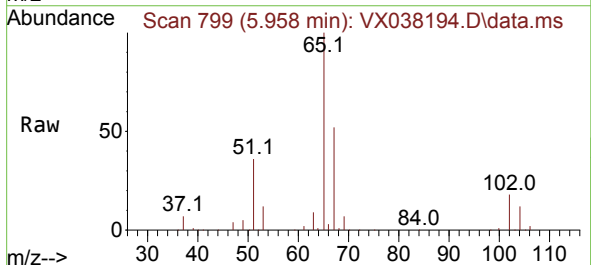


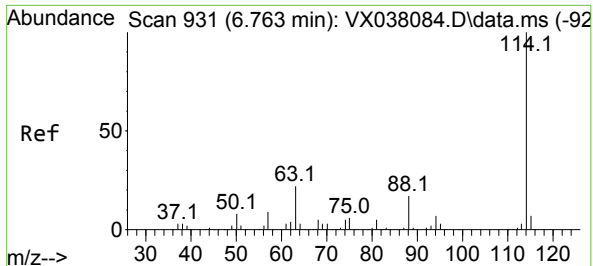
Tgt Ion: 56 Resp: 2788
Ion Ratio Lower Upper
56 100
69 157.4 23.4 35.2#
84 104.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.065 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

Tgt Ion: 65 Resp: 82436
Ion Ratio Lower Upper
65 100
67 52.5 0.0 100.2

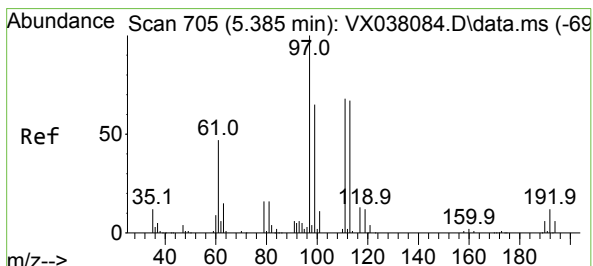
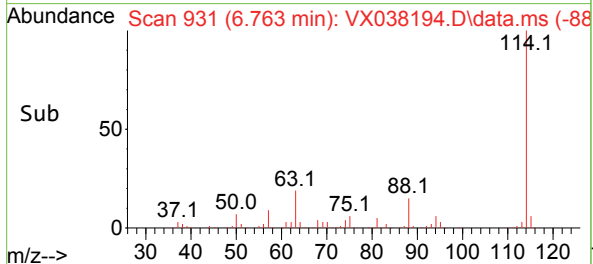
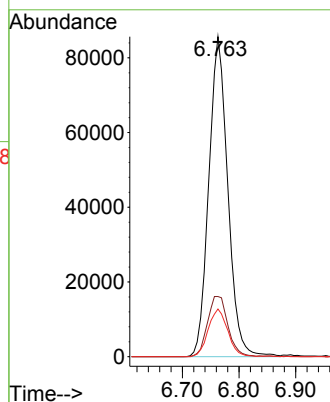
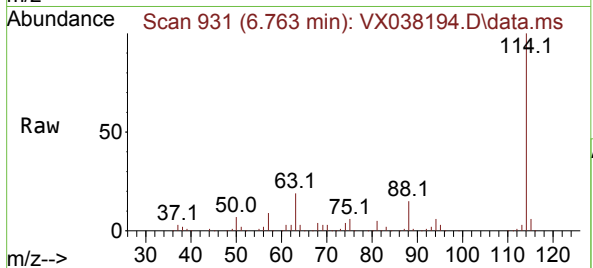




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

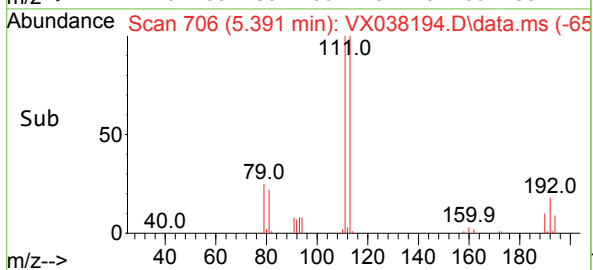
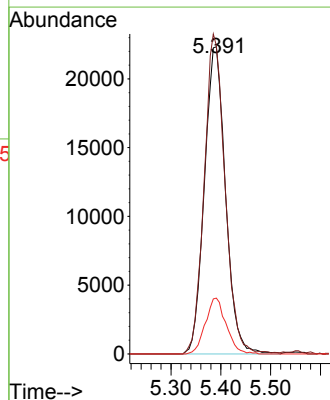
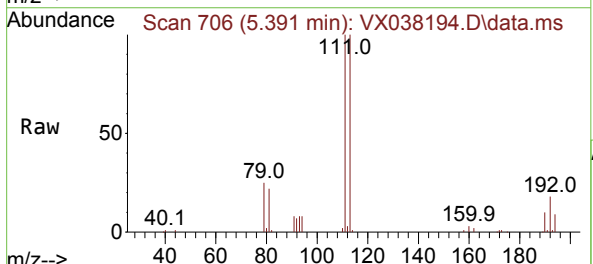
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-TB-20231004

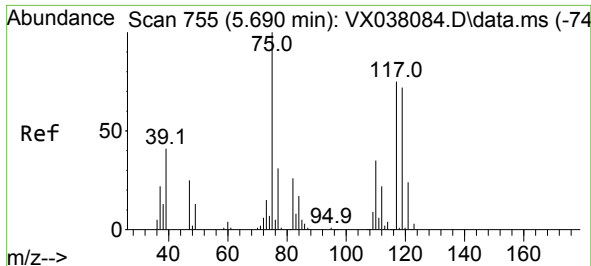
Tgt Ion:114 Resp: 199677
Ion Ratio Lower Upper
114 100
63 18.8 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.721 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

Tgt Ion:113 Resp: 65783
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 17.9 13.3 19.9

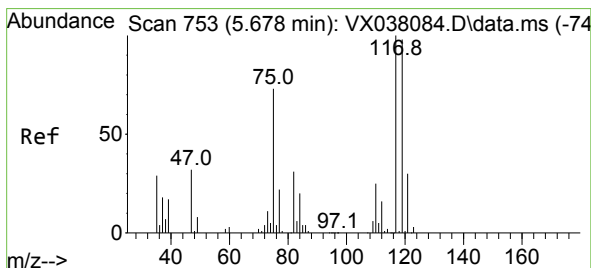
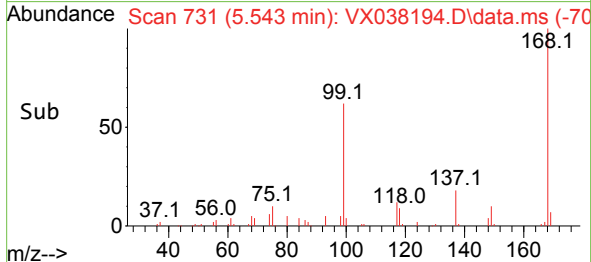
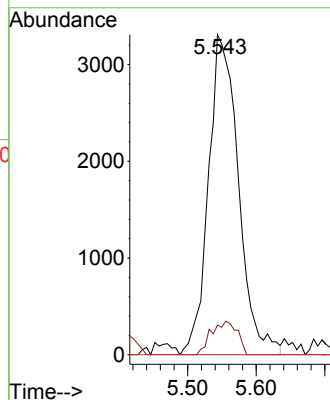
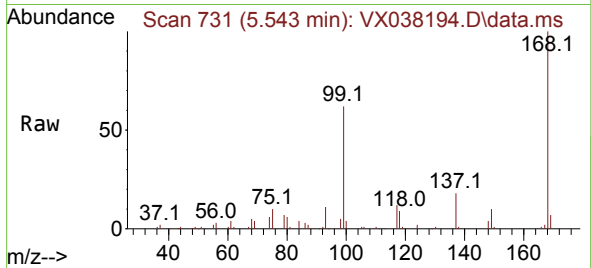




#36
1,1-Dichloropropene
Concen: 5.068 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

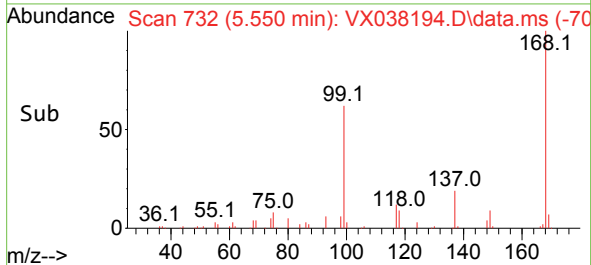
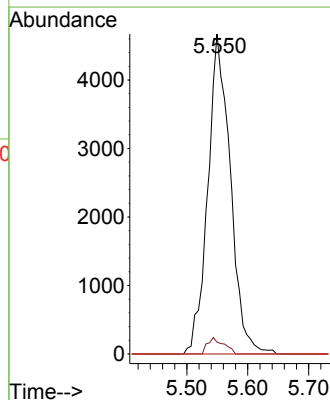
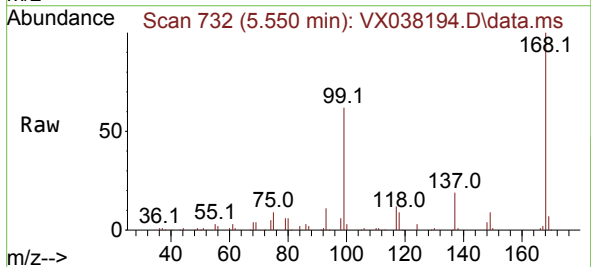
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-TB-20231004

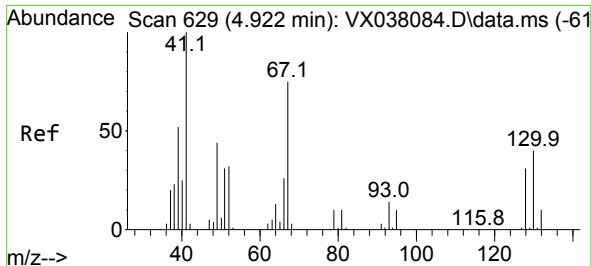
Tgt Ion: 75 Resp: 10056
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.158 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

Tgt Ion: 117 Resp: 12020
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#

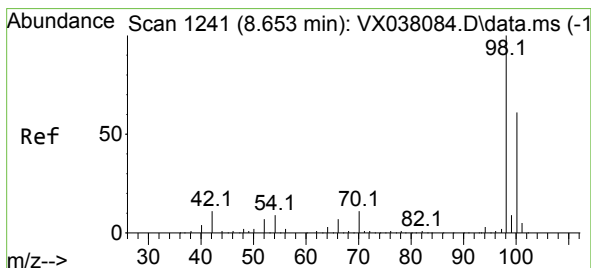
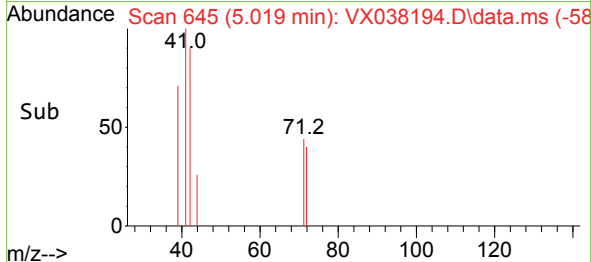
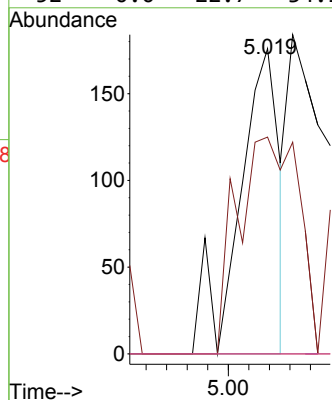
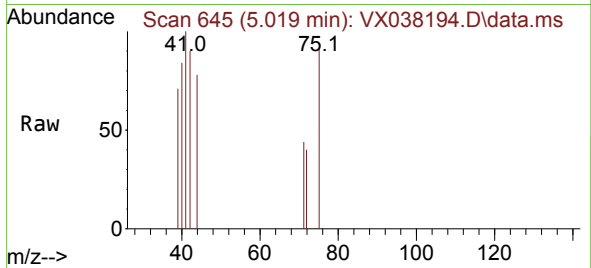




#41
Methacrylonitrile
Concen: 0.204 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

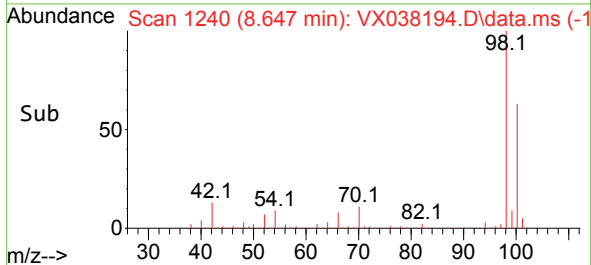
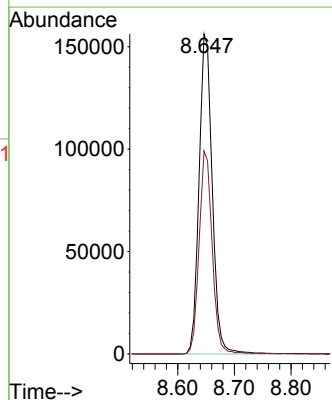
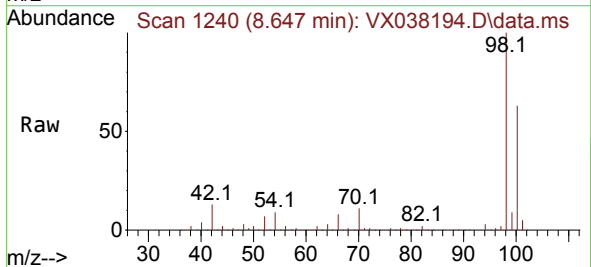
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-TB-20231004

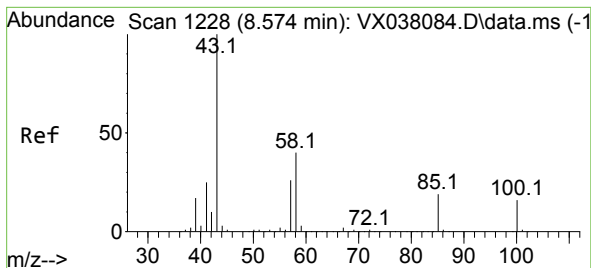
Tgt Ion: 41	Resp: 239
Ion Ratio	Lower Upper
41	100
39	108.8 45.2 67.8#
67	0.0 52.6 78.8#
52	0.0 22.7 34.1#



#50
Toluene-d8
Concen: 45.841 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

Tgt Ion: 98	Resp: 252033
Ion Ratio	Lower Upper
98	100
100	63.0 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.468 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX038194.D

Acq: 10 Oct 2023 12:27

Instrument :

MSVOA_X

ClientSampleId :

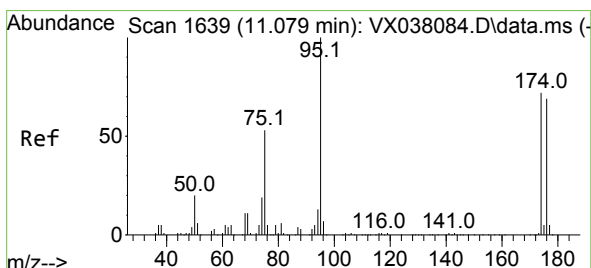
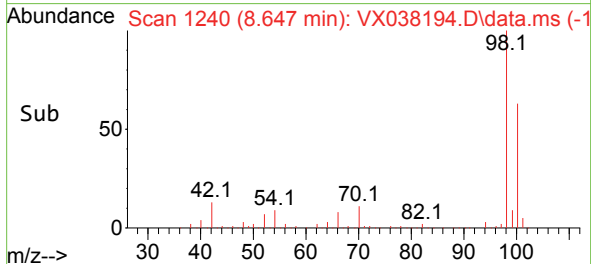
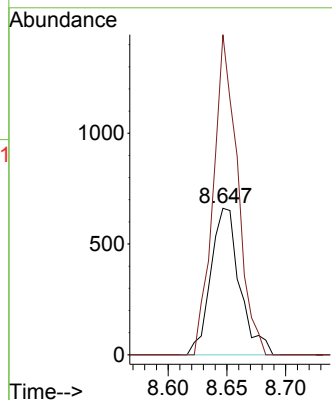
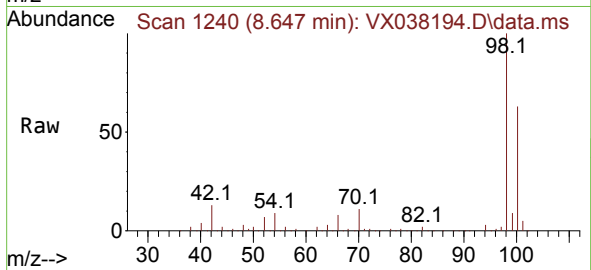
BP-VPB-RW10A-TB-20231004

Tgt Ion: 43 Resp: 1135

Ion Ratio Lower Upper

43 100

58 183.5 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 45.082 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038194.D

Acq: 10 Oct 2023 12:27

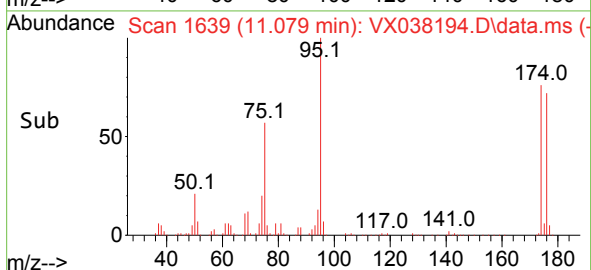
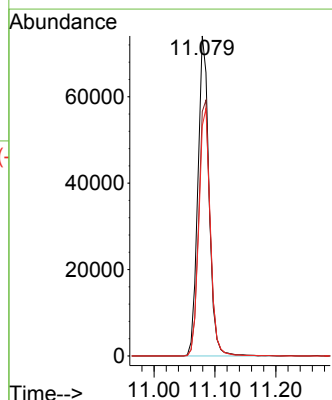
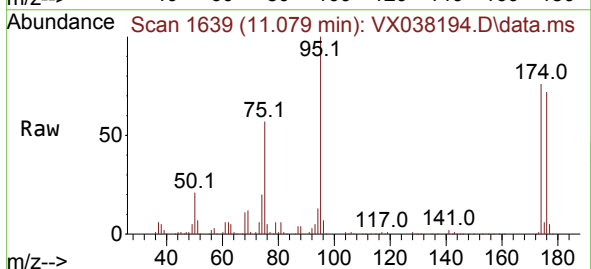
Tgt Ion: 95 Resp: 93966

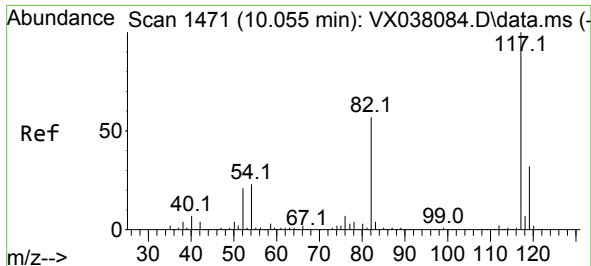
Ion Ratio Lower Upper

95 100

174 81.9 0.0 135.6

176 79.8 0.0 131.0

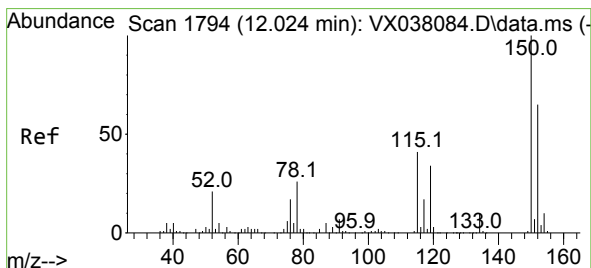
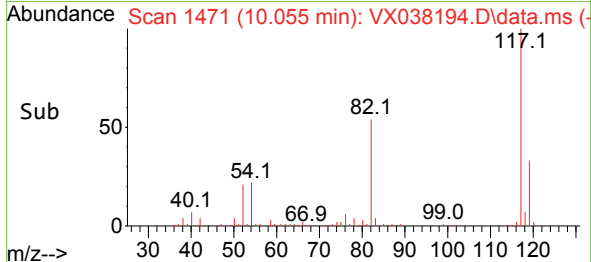
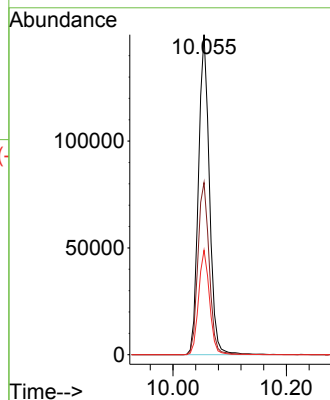
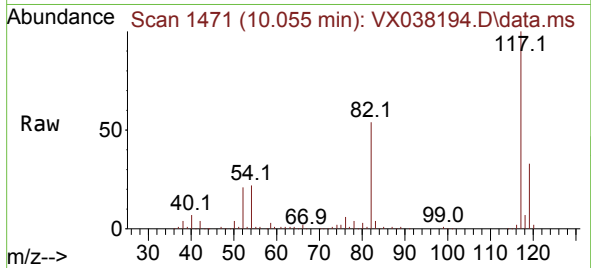




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

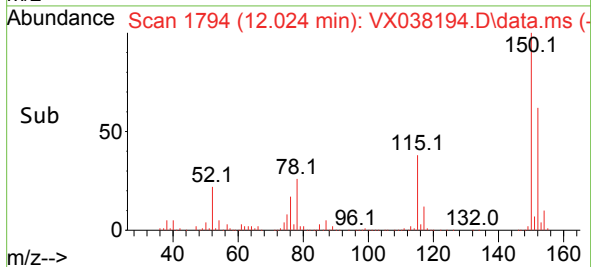
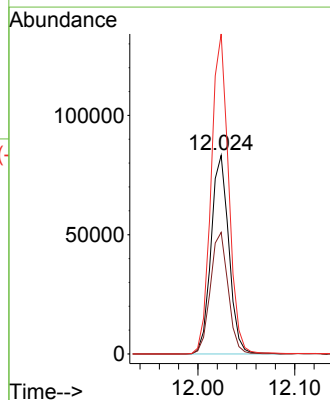
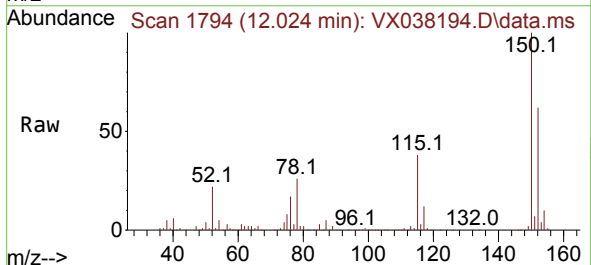
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-TB-20231004

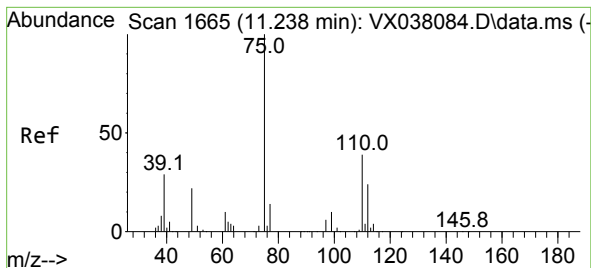
Tgt Ion:117 Resp: 200911
Ion Ratio Lower Upper
117 100
82 53.8 46.2 69.4
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX038194.D
Acq: 10 Oct 2023 12:27

Tgt Ion:152 Resp: 106642
Ion Ratio Lower Upper
152 100
115 61.2 43.3 129.9
150 158.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.077 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038194.D

Acq: 10 Oct 2023 12:27

Instrument :

MSVOA_X

ClientSampleId :

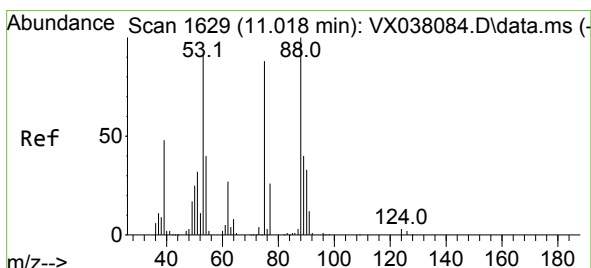
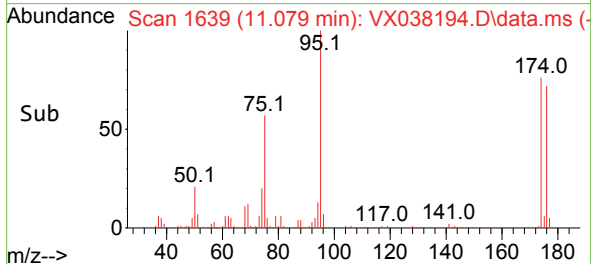
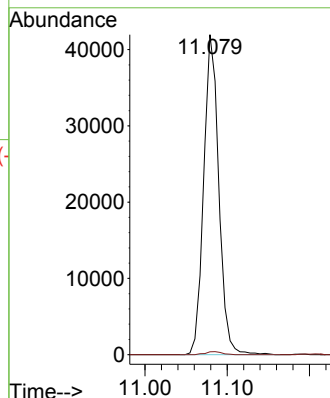
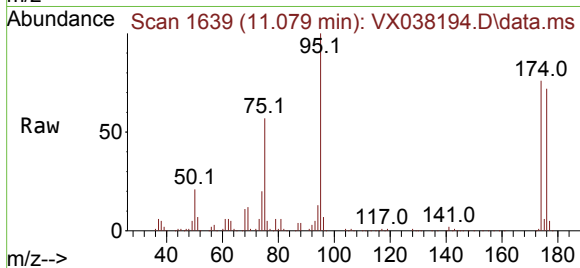
BP-VPB-RW10A-TB-20231004

Tgt Ion: 75 Resp: 53523

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.297 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038194.D

Acq: 10 Oct 2023 12:27

Tgt Ion: 75 Resp: 53523

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

