

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100923\
 Data File : VX038170.D
 Acq On : 09 Oct 2023 14:37
 Operator : JC/MD
 Sample : 04810-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 10 00:56:37 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)

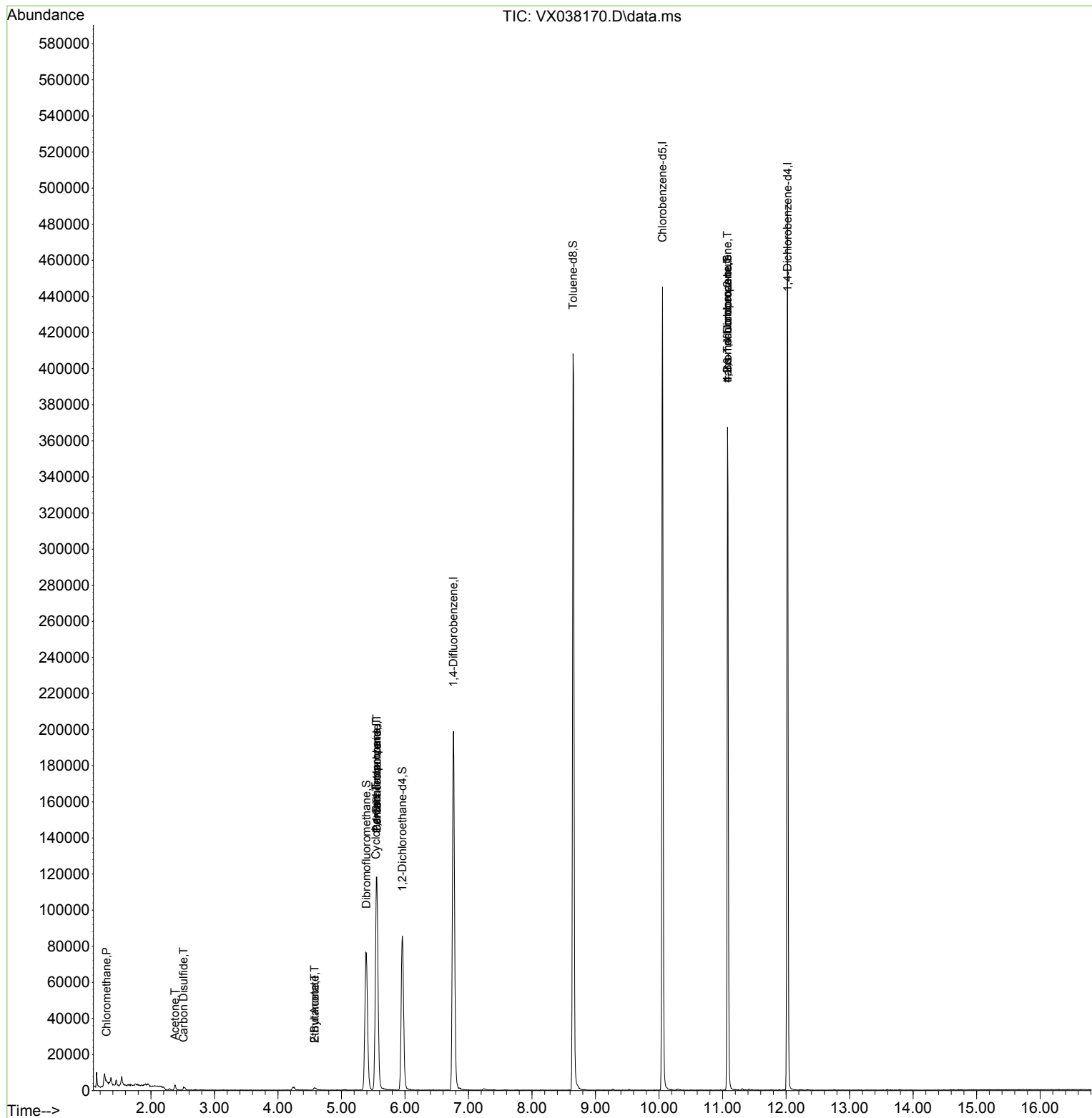
Internal Standards						
1) Pentafluorobenzene	5.556	168	111217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	200416	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84636	47.313	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.620%
35) Dibromofluoromethane	5.391	113	65223	45.164	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.320%
50) Toluene-d8	8.647	98	250925	45.471	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.940%#
62) 4-Bromofluorobenzene	11.079	95	93639	44.759	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.520%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	405	0.370	ug/l #	81
6) Chloroethane	1.685	64	225	Below Cal	#	43
11) Tert butyl alcohol	2.965	59	19	Below Cal	#	78
16) Acetone	2.380	43	3143	4.210	ug/l #	86
17) Carbon Disulfide	2.514	76	1249	0.426	ug/l #	76
25) 2-Butanone	4.574	43	2230	1.851	ug/l	97
31) Cyclohexane	5.544	56	2785	1.437	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	9485	4.763	ug/l #	50
37) Ethyl Acetate	4.574	43	2230	0.943	ug/l #	69
38) Carbon Tetrachloride	5.556	117	12203	6.229	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	51428	22.916	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	51428	65.550	ug/l #	5

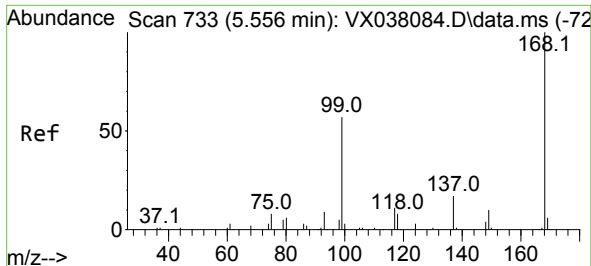
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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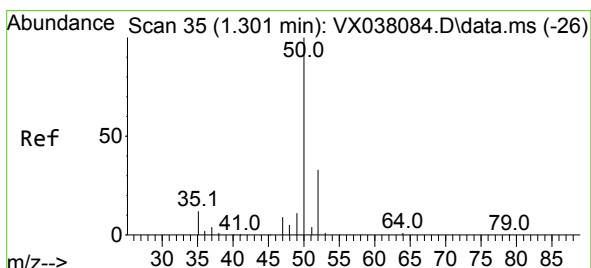
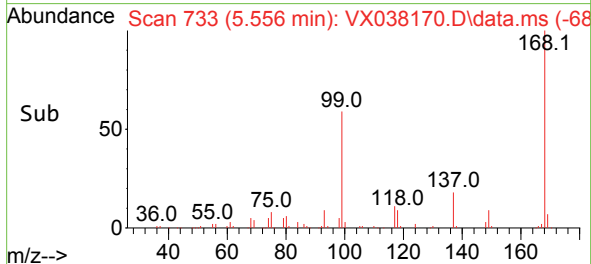
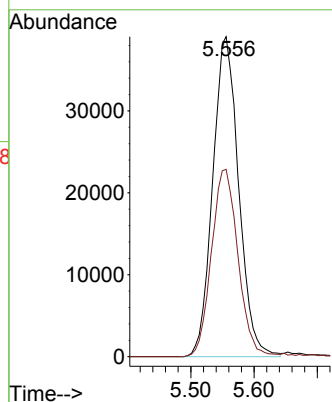
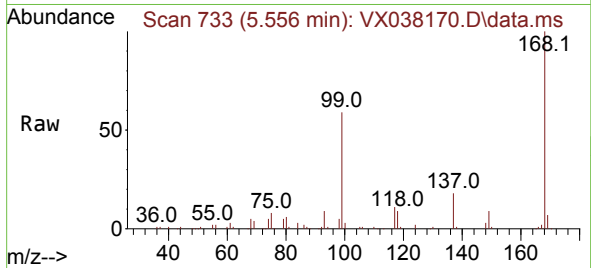




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038170.D
Acq: 09 Oct 2023 14:37

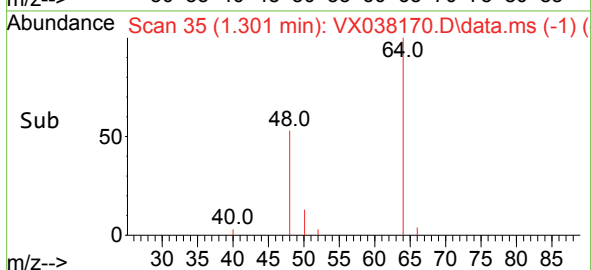
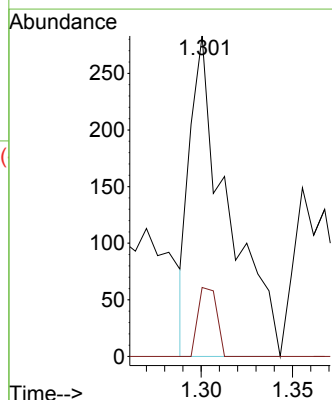
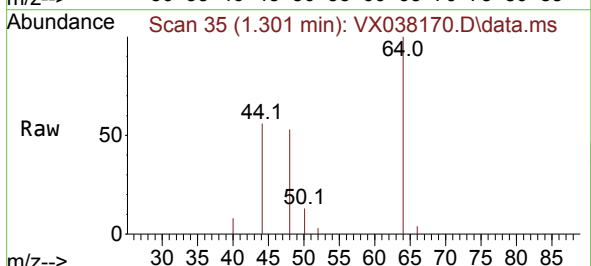
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-DUP-20231004

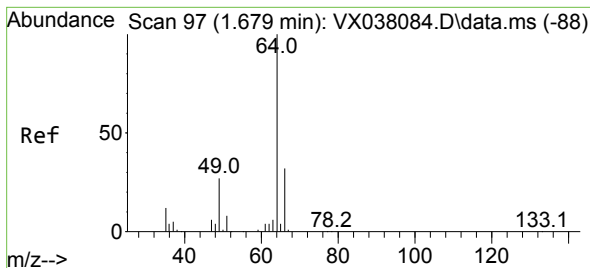
Tgt Ion:168 Resp: 111217
Ion Ratio Lower Upper
168 100
99 58.6 56.6 85.0



#3
Chloromethane
Concen: 0.370 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX038170.D
Acq: 09 Oct 2023 14:37

Tgt Ion: 50 Resp: 405
Ion Ratio Lower Upper
50 100
52 21.6 25.5 38.3#





#6

Chloroethane

Concen: Below Cal

RT: 1.685 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX038170.D

Acq: 09 Oct 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :

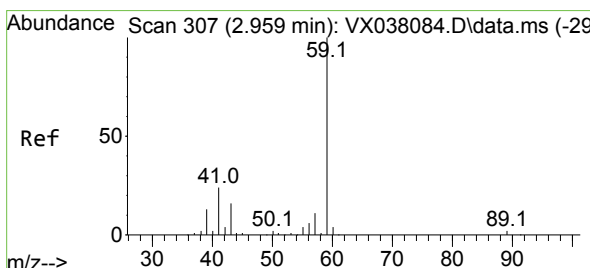
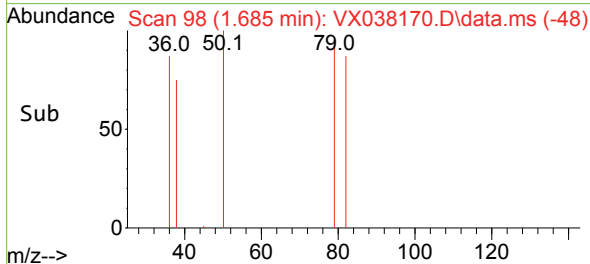
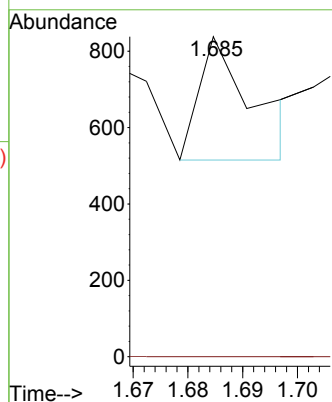
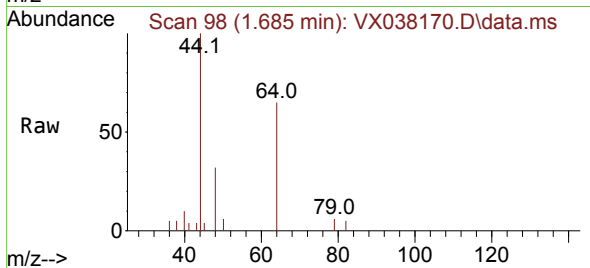
BP-VPB-RW10A-DUP-20231004

Tgt Ion: 64 Resp: 225

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.965 min Scan# 308

Delta R.T. 0.006 min

Lab File: VX038170.D

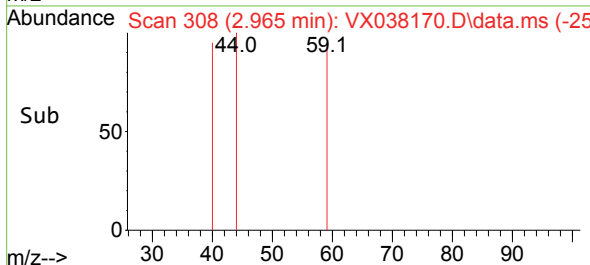
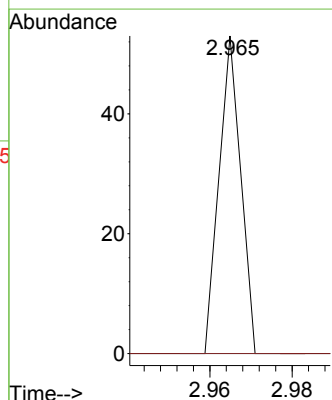
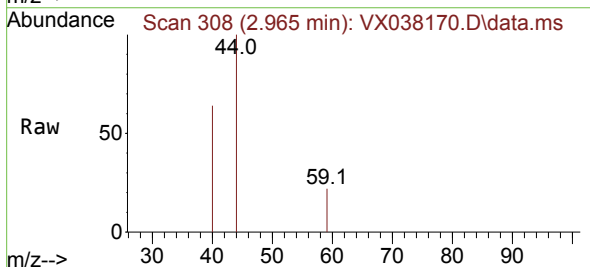
Acq: 09 Oct 2023 14:37

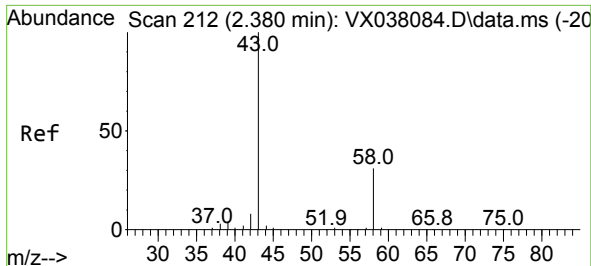
Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

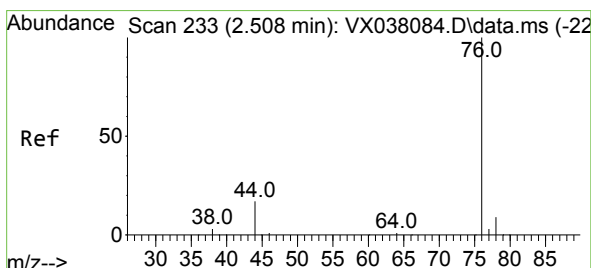
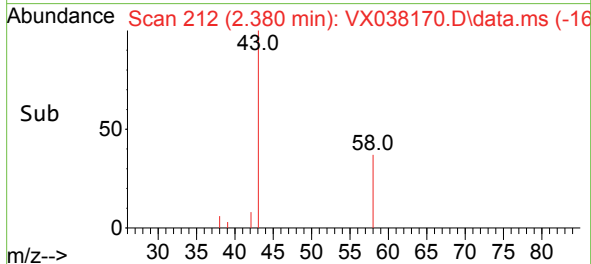
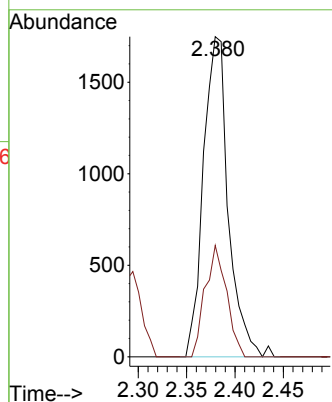
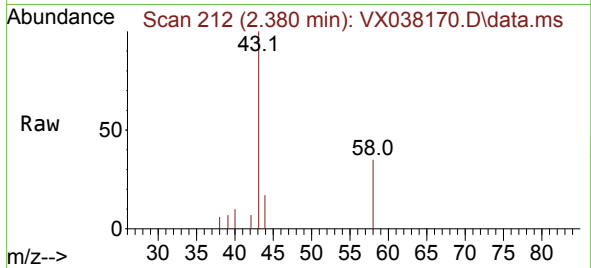




#16
Acetone
Concen: 4.210 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038170.D
Acq: 09 Oct 2023 14:37

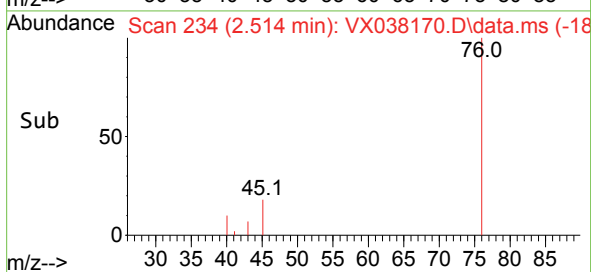
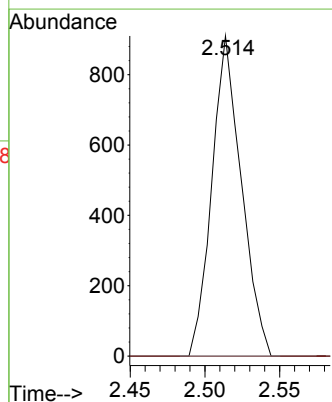
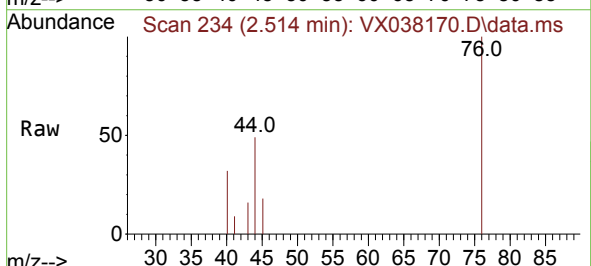
Instrument : MSVOA_X
ClientSampleId : BP-VPB-RW10A-DUP-20231004

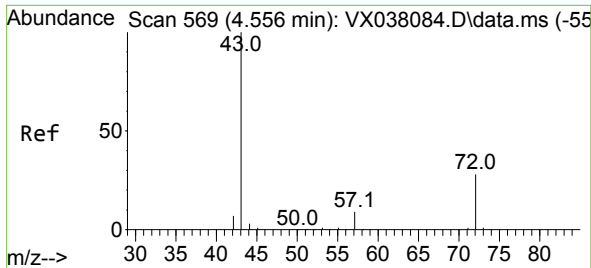
Tgt Ion: 43 Resp: 3143
Ion Ratio Lower Upper
43 100
58 34.8 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.426 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038170.D
Acq: 09 Oct 2023 14:37

Tgt Ion: 76 Resp: 1249
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

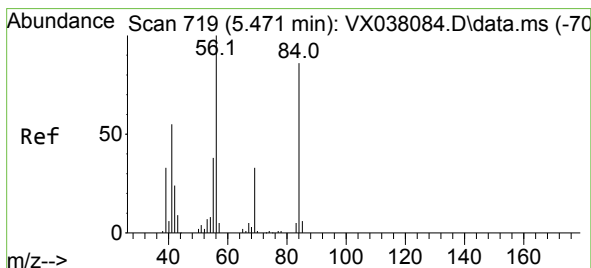
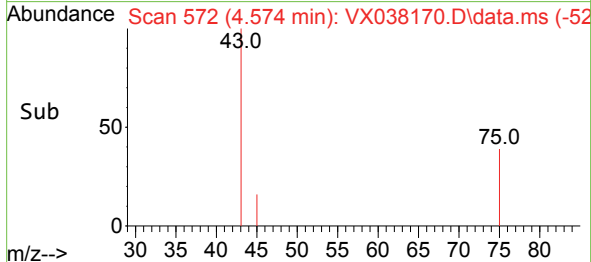
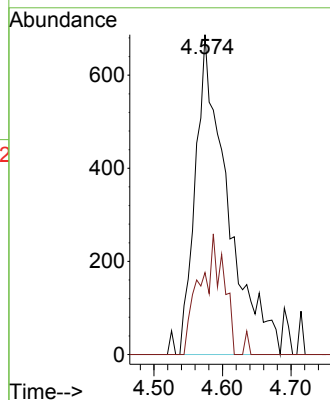
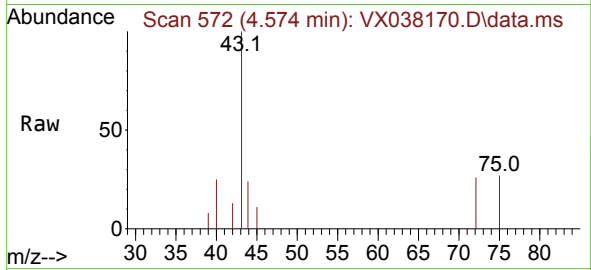




#25
2-Butanone
Concen: 1.851 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX038170.D
Acq: 09 Oct 2023 14:37

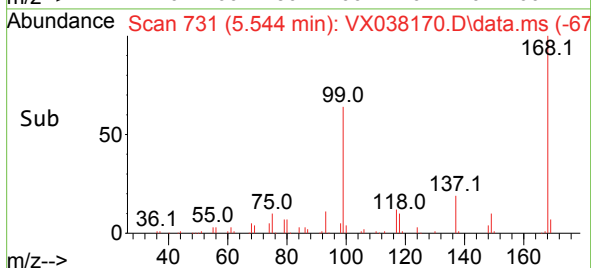
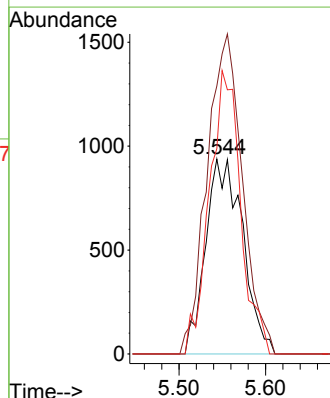
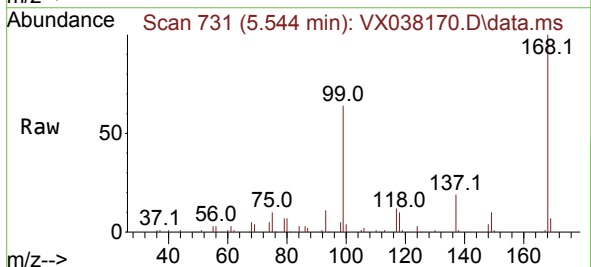
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-DUP-20231004

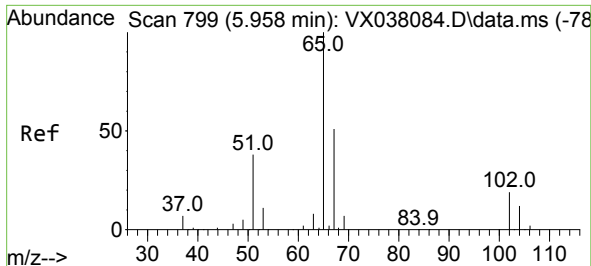
Tgt Ion: 43 Resp: 2230
Ion Ratio Lower Upper
43 100
72 25.6 19.4 29.2



#31
Cyclohexane
Concen: 1.437 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX038170.D
Acq: 09 Oct 2023 14:37

Tgt Ion: 56 Resp: 2785
Ion Ratio Lower Upper
56 100
69 137.5 23.4 35.2#
84 105.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.313 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038170.D

Acq: 09 Oct 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :

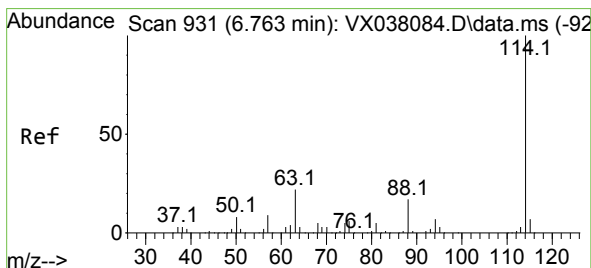
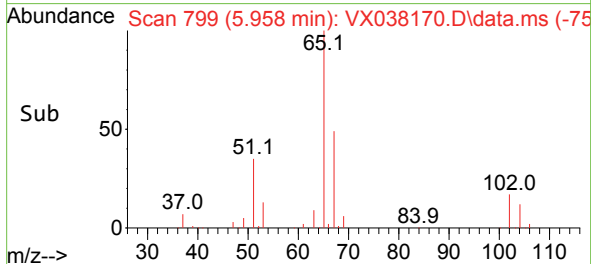
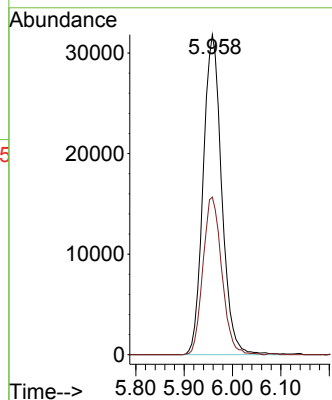
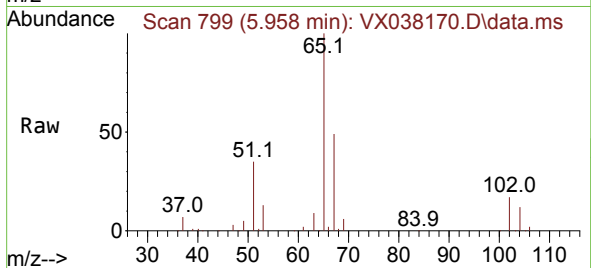
BP-VPB-RW10A-DUP-20231004

Tgt Ion: 65 Resp: 84636

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX038170.D

Acq: 09 Oct 2023 14:37

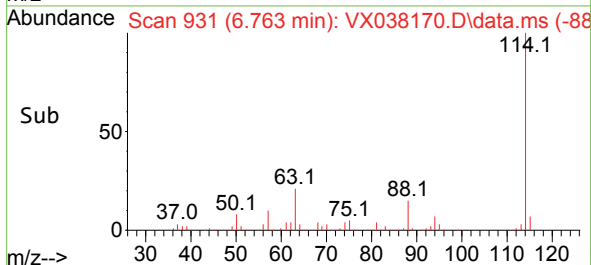
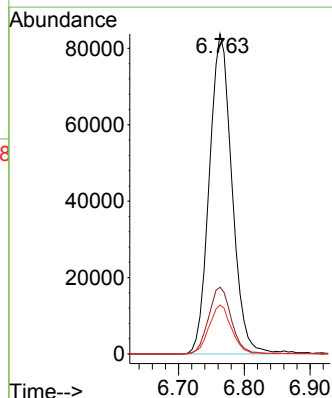
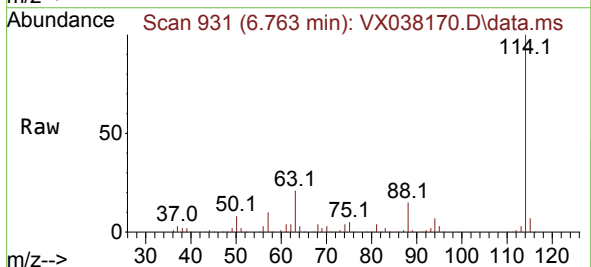
Tgt Ion:114 Resp: 200416

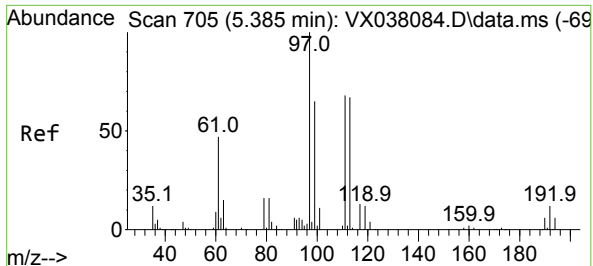
Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.0

88 15.3 0.0 36.6

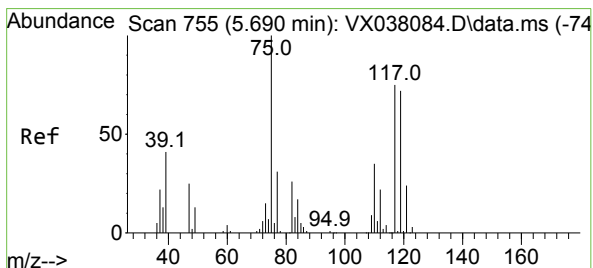
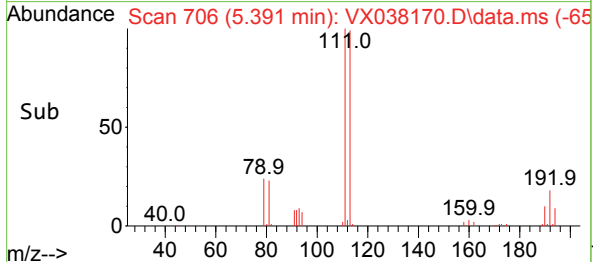
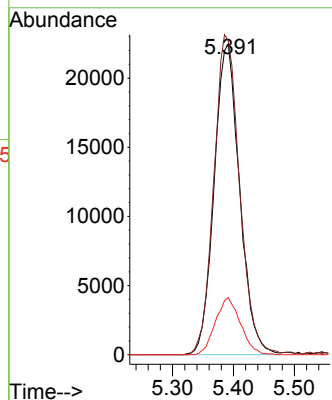
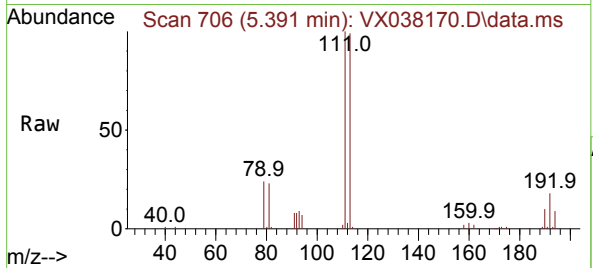




#35
Dibromofluoromethane
Concen: 45.164 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038170.D
Acq: 09 Oct 2023 14:37

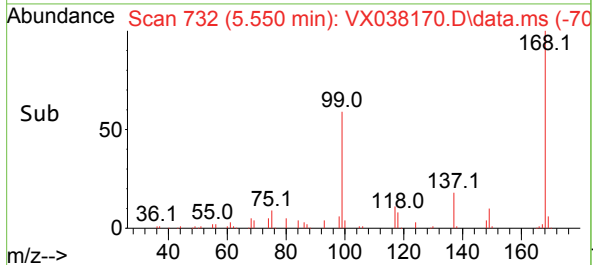
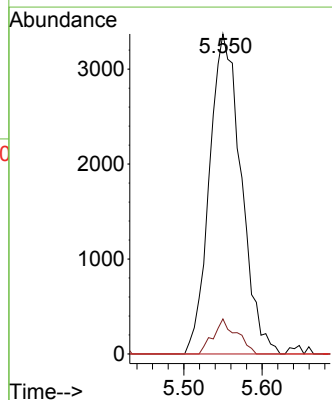
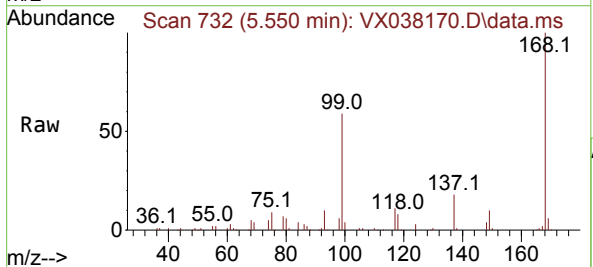
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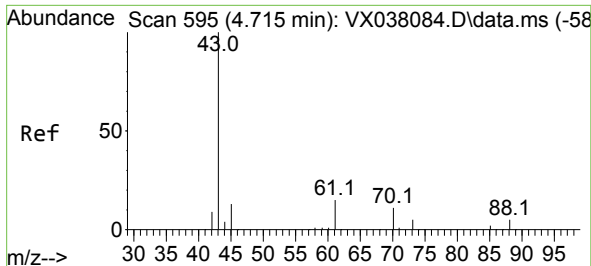
Tgt Ion:113 Resp: 65223
Ion Ratio Lower Upper
113 100
111 104.2 82.9 124.3
192 18.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.763 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038170.D
Acq: 09 Oct 2023 14:37

Tgt Ion: 75 Resp: 9485
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.943 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.141 min

Lab File: VX038170.D

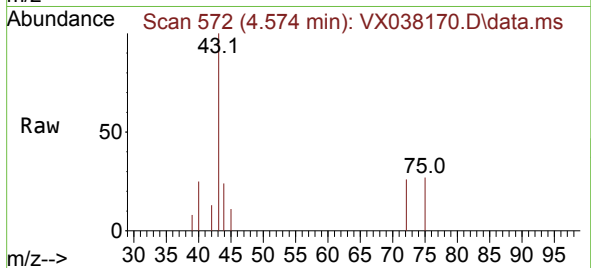
Acq: 09 Oct 2023 14:37

Instrument :

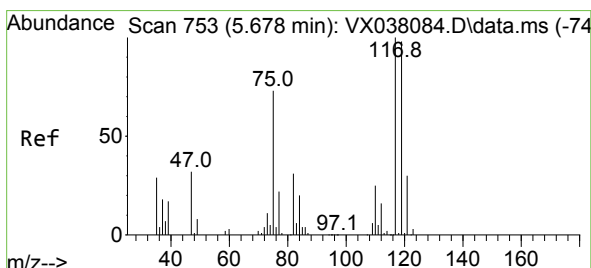
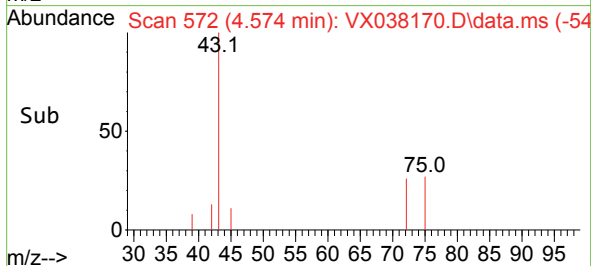
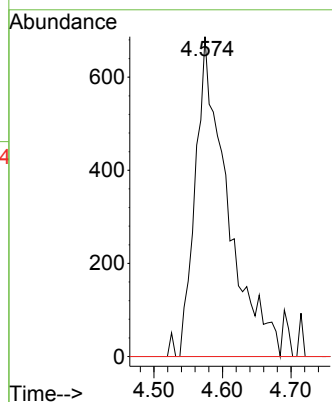
MSVOA_X

ClientSampleId :

BP-VPB-RW10A-DUP-20231004



Tgt Ion: 43	Resp: 2230
Ion Ratio	Lower Upper
43	100
61	0.0 10.6 16.0#
70	0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.229 ug/l

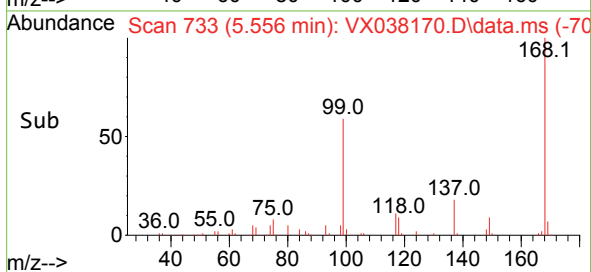
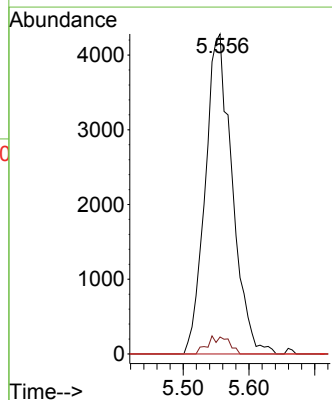
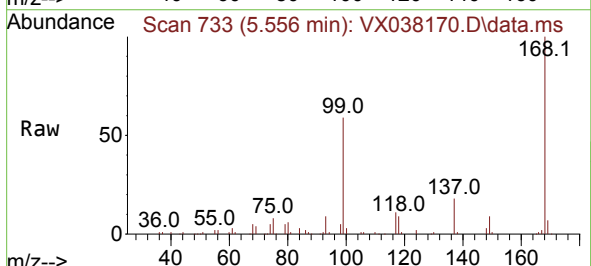
RT: 5.556 min Scan# 733

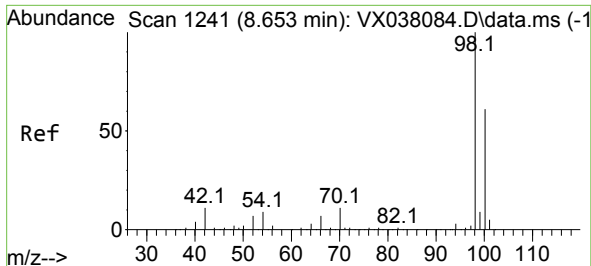
Delta R.T. -0.122 min

Lab File: VX038170.D

Acq: 09 Oct 2023 14:37

Tgt Ion: 117	Resp: 12203
Ion Ratio	Lower Upper
117	100
119	5.3 78.2 117.2#
121	0.0 24.4 36.6#

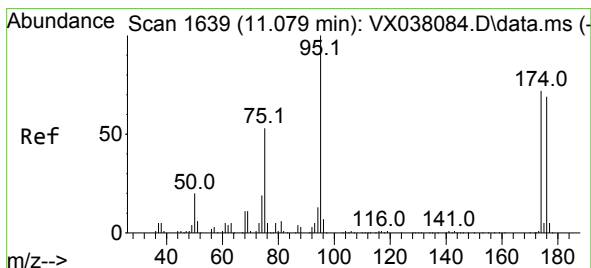
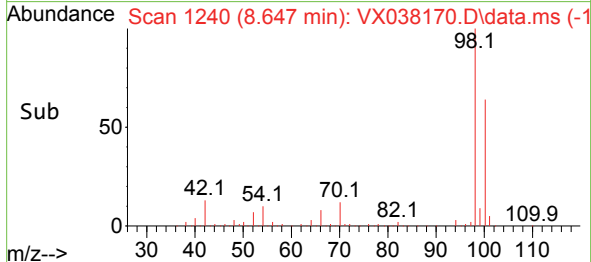
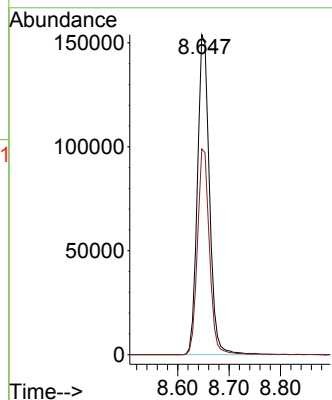
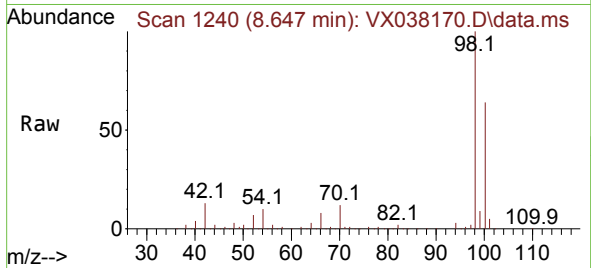




#50
Toluene-d8
Concen: 45.471 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038170.D
Acq: 09 Oct 2023 14:37

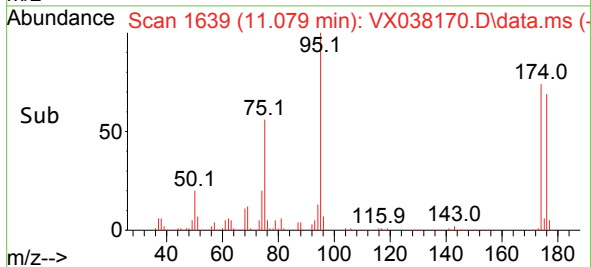
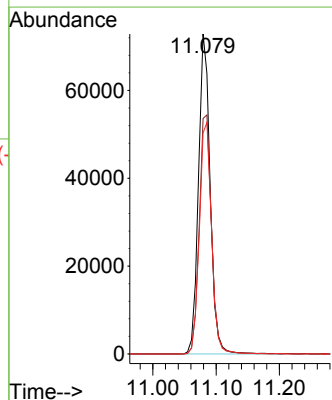
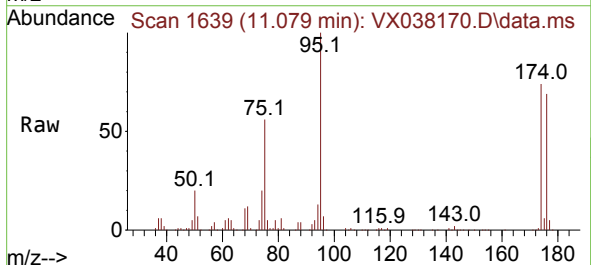
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-DUP-20231004

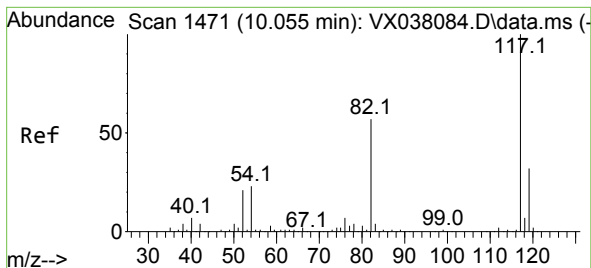
Tgt Ion: 98 Resp: 250925
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038170.D
Acq: 09 Oct 2023 14:37

Tgt Ion: 95 Resp: 93639
Ion Ratio Lower Upper
95 100
174 78.7 0.0 135.6
176 75.5 0.0 131.0

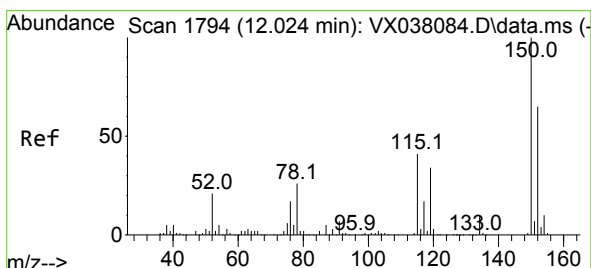
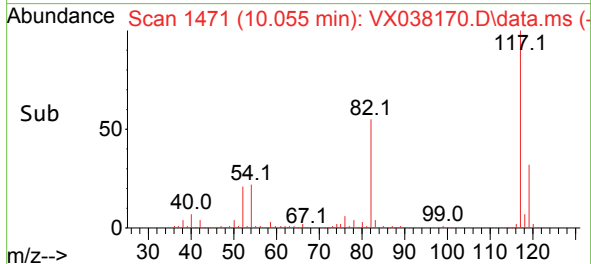
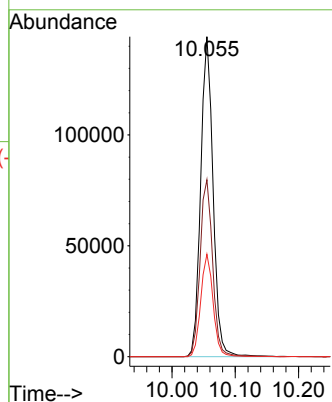
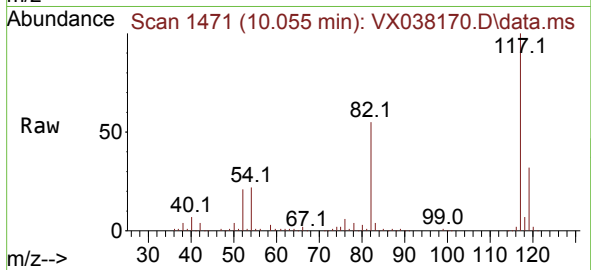




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038170.D
Acq: 09 Oct 2023 14:37

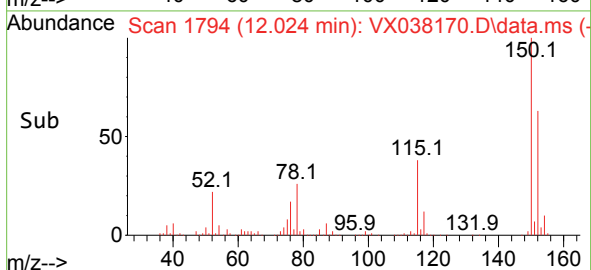
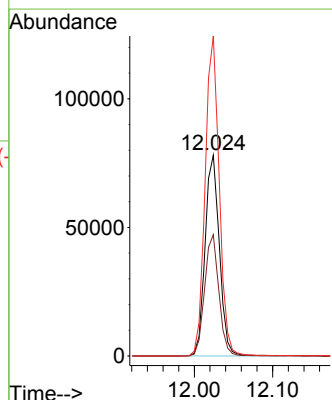
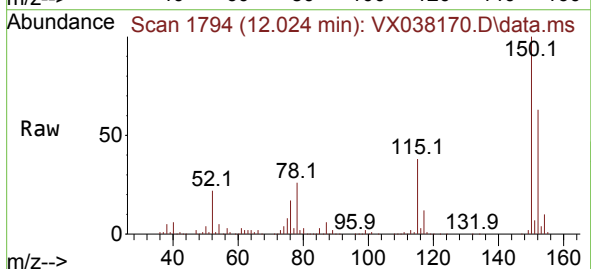
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10A-DUP-20231004

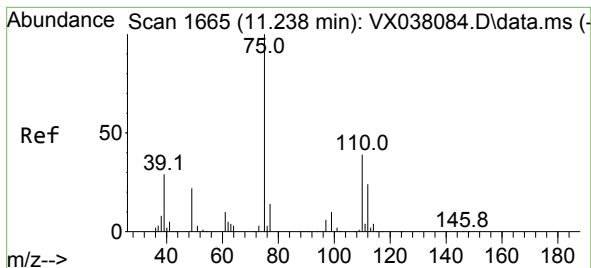
Tgt Ion:117 Resp: 196826
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038170.D
Acq: 09 Oct 2023 14:37

Tgt Ion:152 Resp: 98715
Ion Ratio Lower Upper
152 100
115 60.3 43.3 129.9
150 157.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.916 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038170.D

Acq: 09 Oct 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :

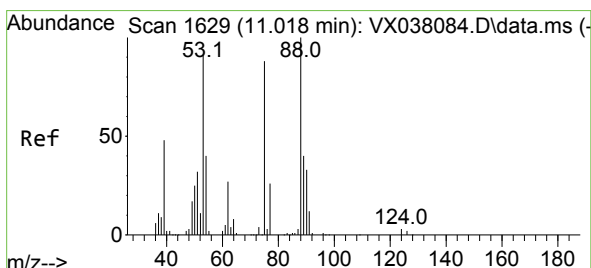
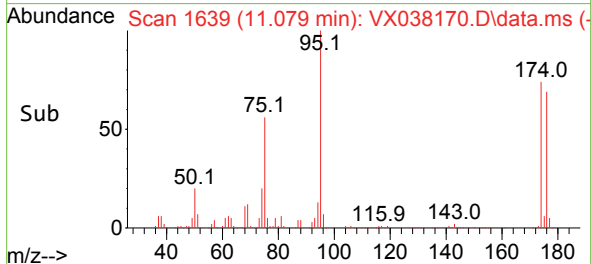
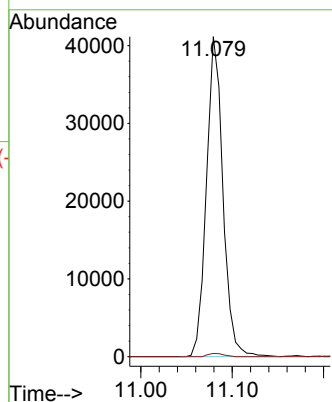
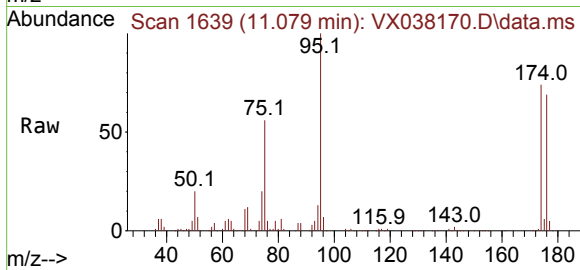
BP-VPB-RW10A-DUP-20231004

Tgt Ion: 75 Resp: 51428

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.550 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038170.D

Acq: 09 Oct 2023 14:37

Tgt Ion: 75 Resp: 51428

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

