

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112223\
 Data File : VX039006.D
 Acq On : 22 Nov 2023 16:32
 Operator : JC/MD
 Sample : 05431-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22BR-20231113

Quant Time: Nov 23 01:35:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

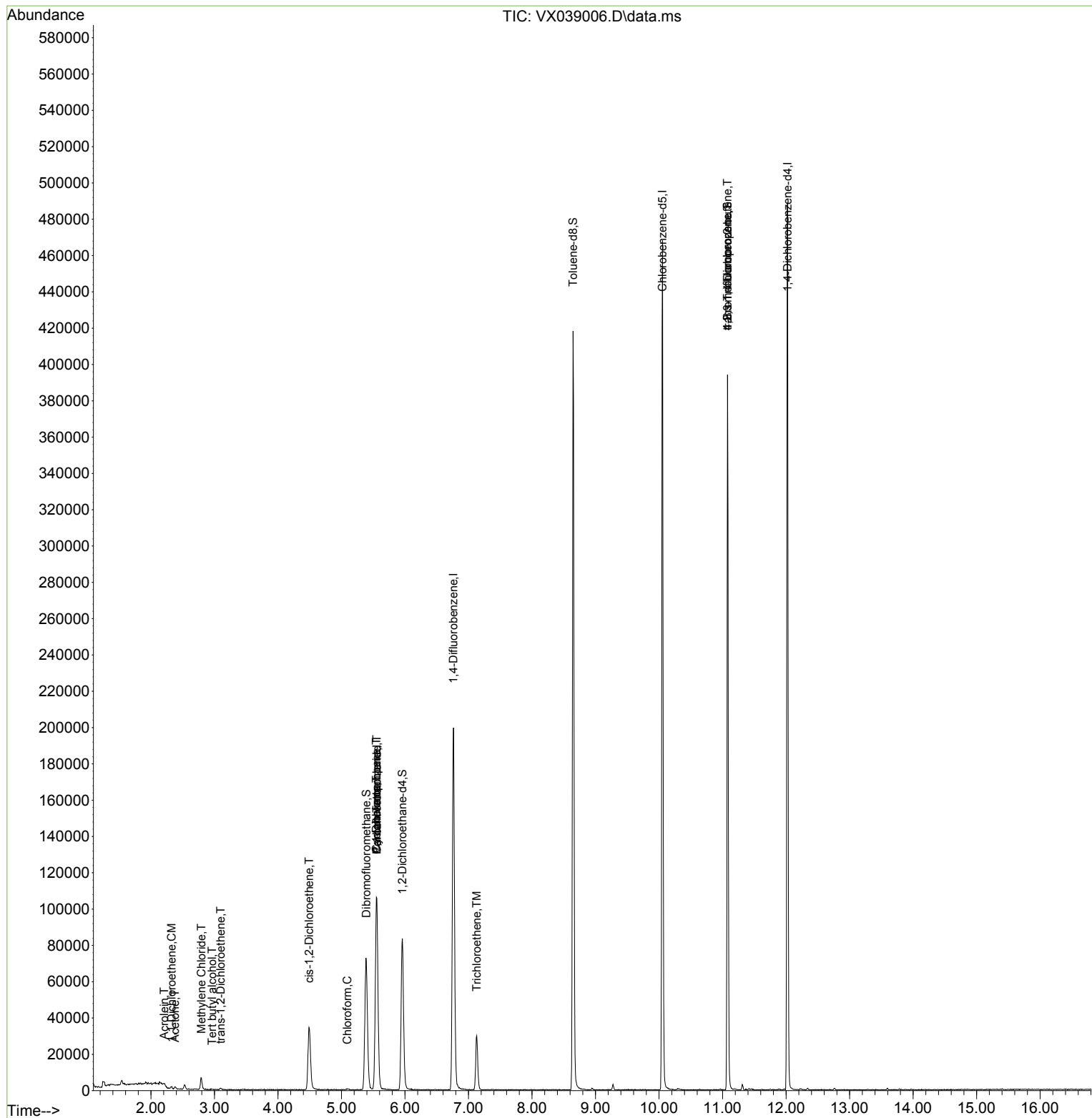
Internal Standards						
1) Pentafluorobenzene	5.556	168	92960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195331	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79662	53.182	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.360%	
35) Dibromofluoromethane	5.391	113	63305	44.874	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 89.740%	
50) Toluene-d8	8.647	98	247855	45.920	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 91.840%#	
62) 4-Bromofluorobenzene	11.079	95	106527	49.303	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	187	0.449	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	397	0.343	ug/l #	74
13) Acrolein	2.209	56	173	0.785	ug/l #	1
16) Acetone	2.380	43	1489	1.867	ug/l	92
20) Methylene Chloride	2.794	84	2848	1.981	ug/l #	84
21) trans-1,2-Dichloroethene	3.099	96	325	0.254	ug/l #	73
27) cis-1,2-Dichloroethene	4.489	96	21725	14.579	ug/l	87
30) Chloroform	5.093	83	729	0.314	ug/l #	76
31) Cyclohexane	5.550	56	2679	1.253	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9593	4.745	ug/l #	49
38) Carbon Tetrachloride	5.556	117	10603	5.674	ug/l #	16
44) Trichloroethene	7.129	130	10871	7.468	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	58005	23.450	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	58005	52.015	ug/l #	5

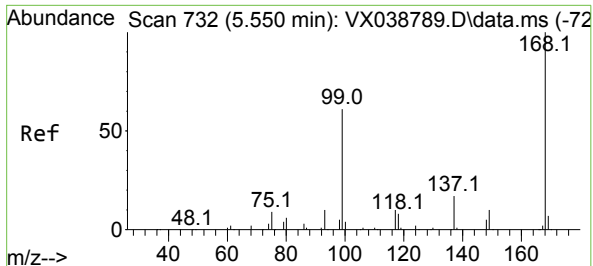
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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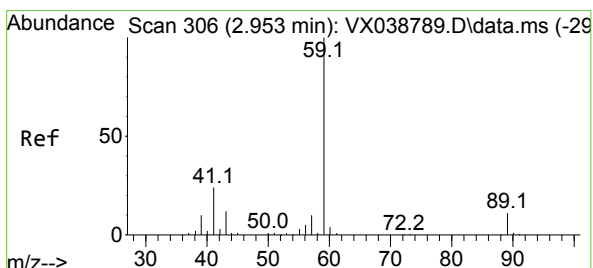
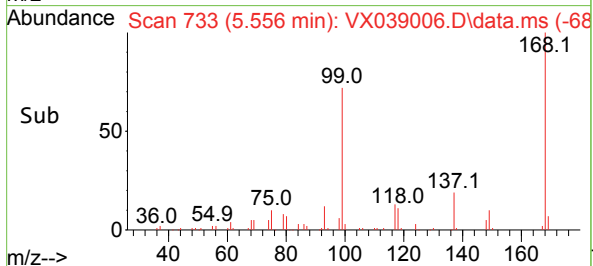
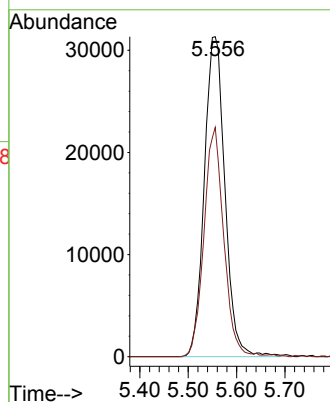
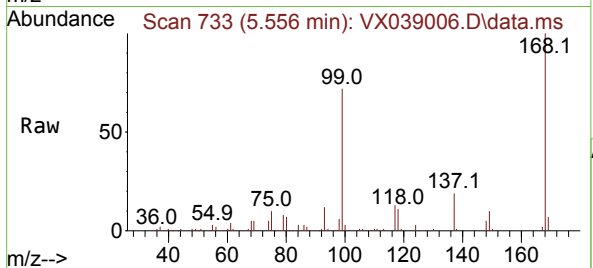




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

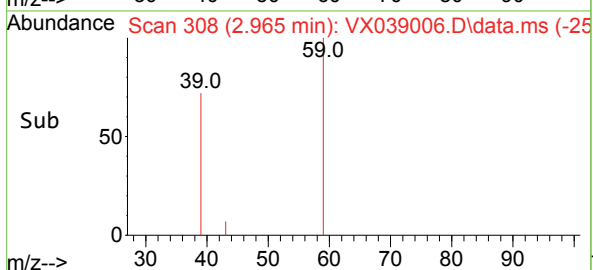
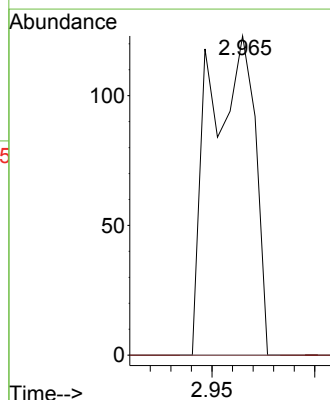
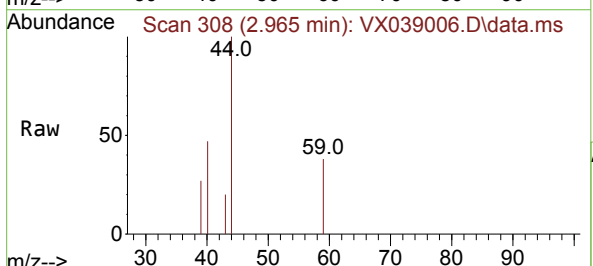
Instrument :
MSVOA_X
ClientSampleId :
22BR-20231113

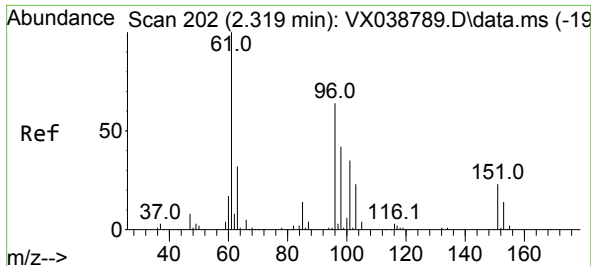
Tgt Ion:168 Resp: 92960
Ion Ratio Lower Upper
168 100
99 71.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.449 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.012 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

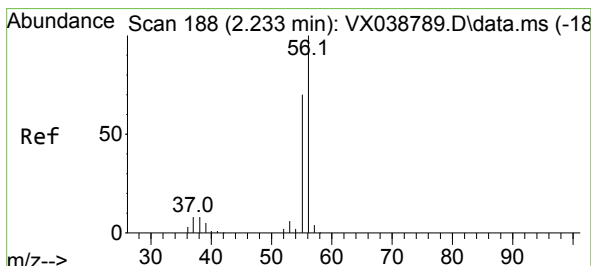
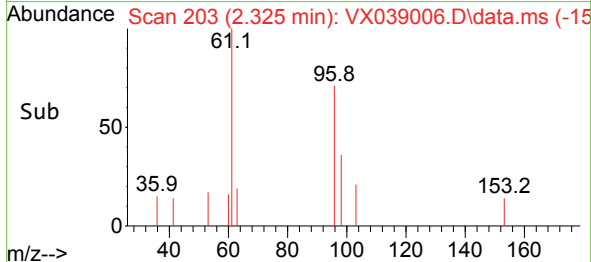
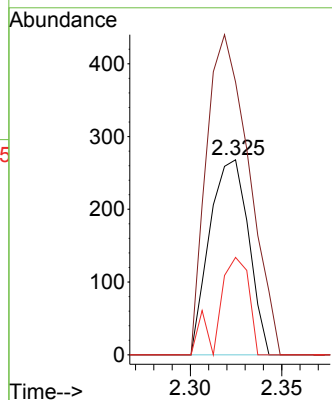
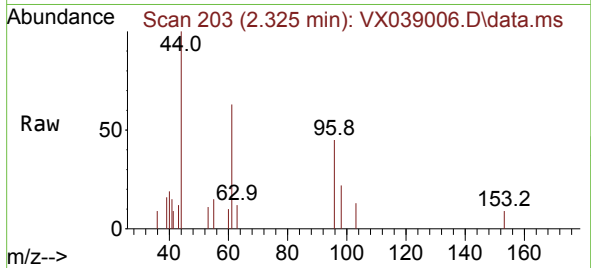




#12
1,1-Dichloroethene
Concen: 0.343 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

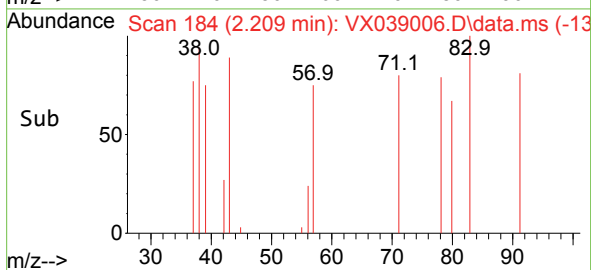
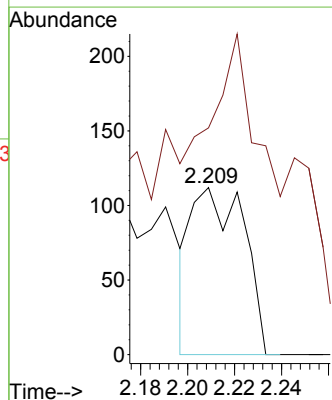
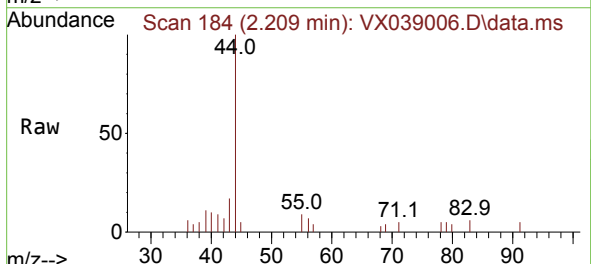
Instrument :
MSVOA_X
ClientSampleId :
22BR-20231113

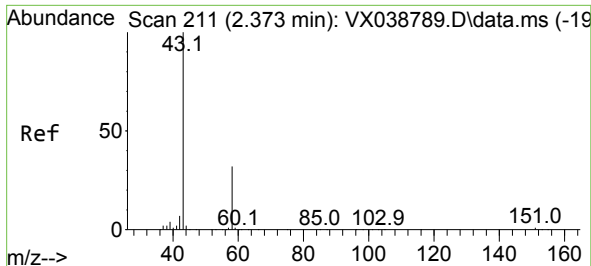
Tgt Ion: 96 Resp: 397
Ion Ratio Lower Upper
96 100
61 139.9 144.6 216.8#
98 50.0 50.4 75.6#



#13
Acrolein
Concen: 0.785 ug/l
RT: 2.209 min Scan# 184
Delta R.T. -0.024 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 265.9 57.1 85.7#

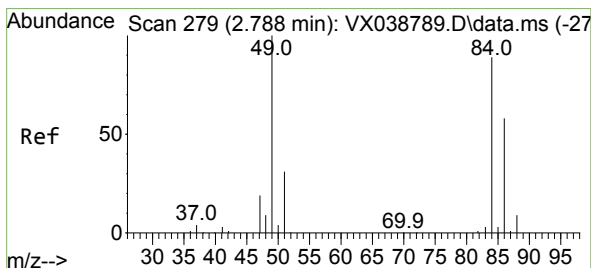
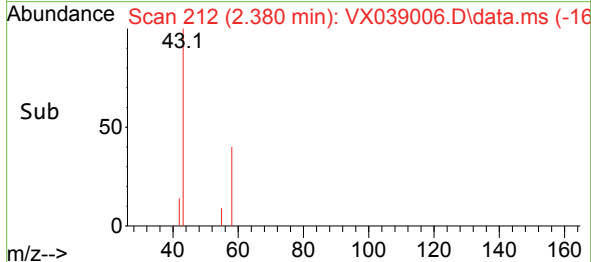
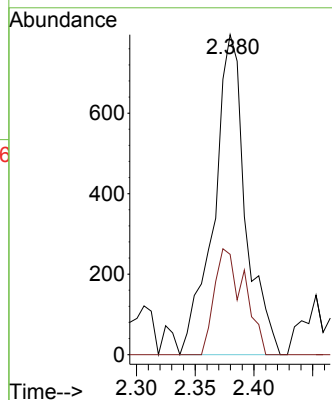
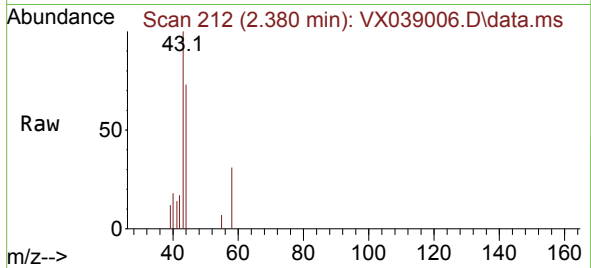




#16
Acetone
Concen: 1.867 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

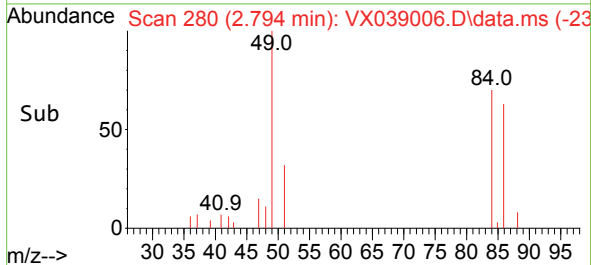
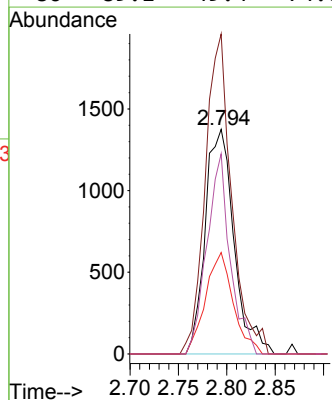
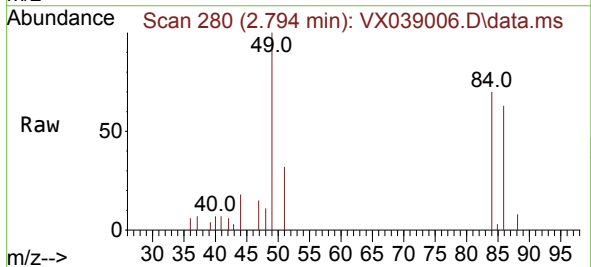
Instrument :
MSVOA_X
ClientSampleId :
22BR-20231113

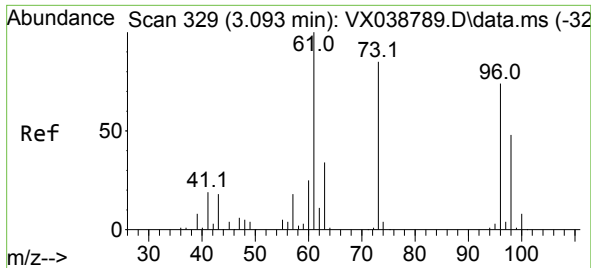
Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
58 31.3 21.9 32.9



#20
Methylene Chloride
Concen: 1.981 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

Tgt Ion: 84 Resp: 2848
Ion Ratio Lower Upper
84 100
49 142.5 103.6 155.4
51 45.2 33.8 50.6
86 89.1 49.4 74.0#

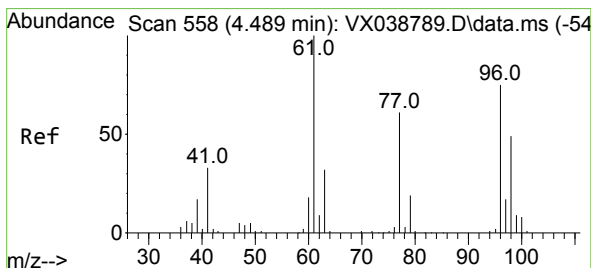
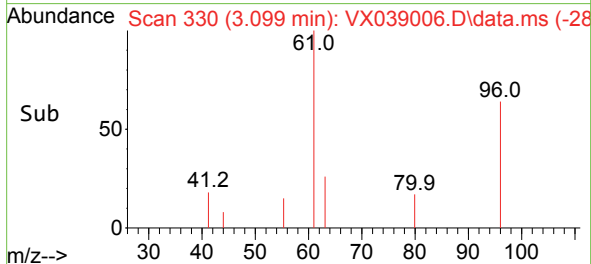
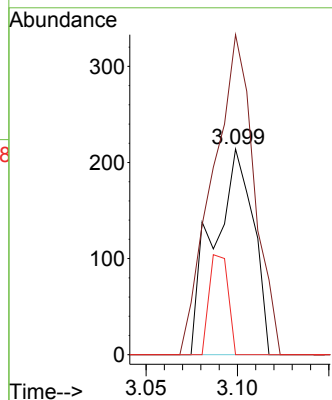
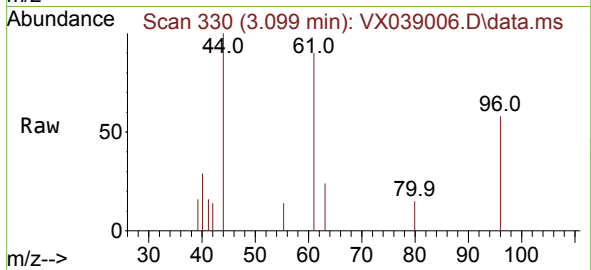




#21
trans-1,2-Dichloroethene
Concen: 0.254 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

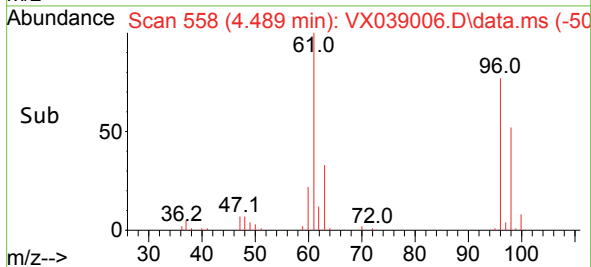
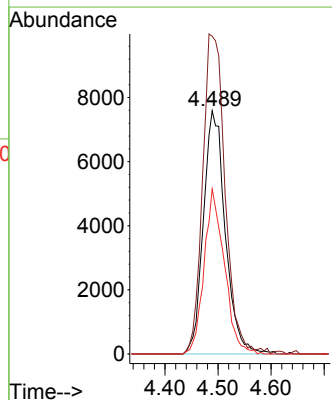
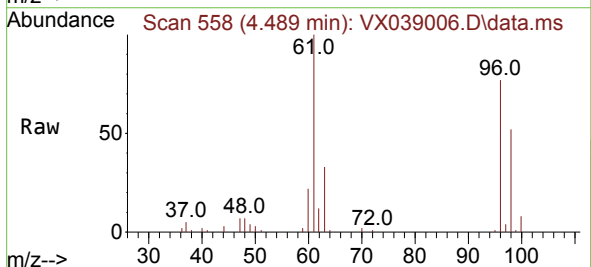
Instrument :
MSVOA_X
ClientSampleId :
22BR-20231113

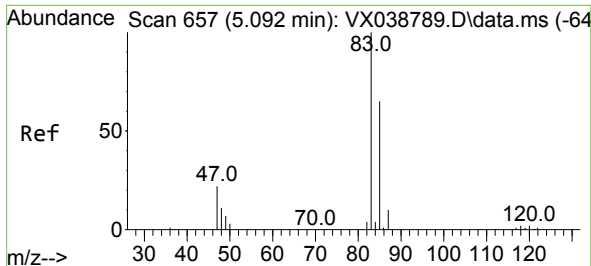
Tgt Ion: 96 Resp: 325
Ion Ratio Lower Upper
96 100
61 155.6 119.2 178.8
98 0.0 48.7 73.1#



#27
cis-1,2-Dichloroethene
Concen: 14.579 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

Tgt Ion: 96 Resp: 21725
Ion Ratio Lower Upper
96 100
61 134.3 0.0 312.2
98 62.7 0.0 129.0





#30

Chloroform

Concen: 0.314 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX039006.D

Acq: 22 Nov 2023 16:32

Instrument :

MSVOA_X

ClientSampleId :

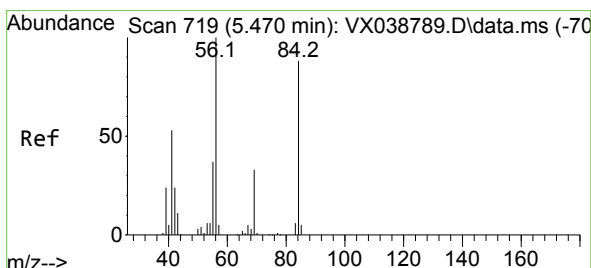
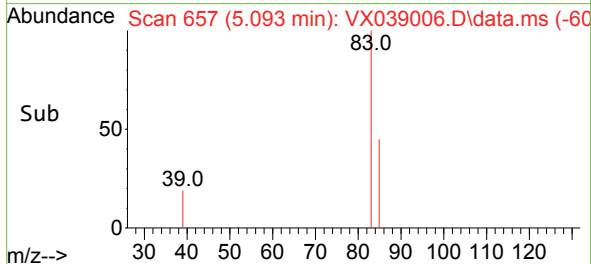
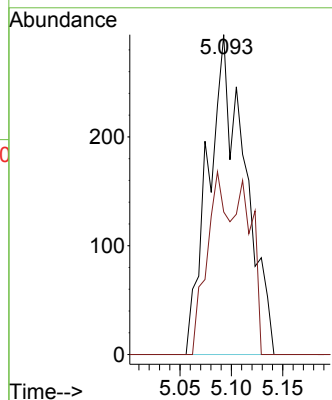
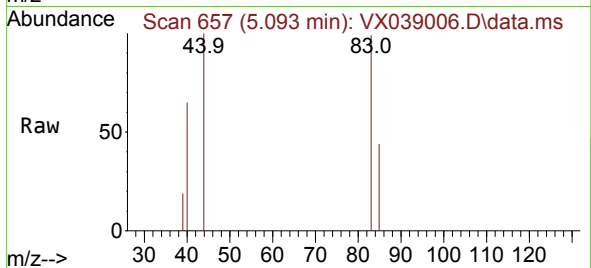
22BR-20231113

Tgt Ion: 83 Resp: 729

Ion Ratio Lower Upper

83 100

85 44.6 50.3 75.5#



#31

Cyclohexane

Concen: 1.253 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX039006.D

Acq: 22 Nov 2023 16:32

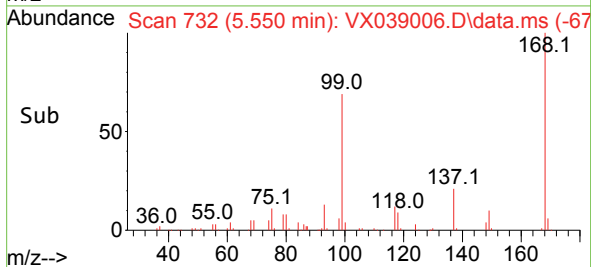
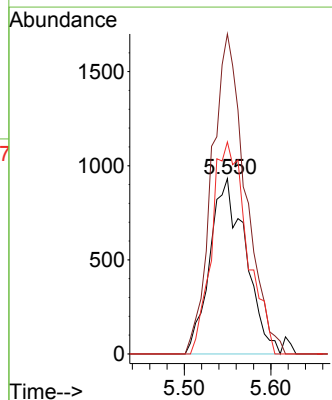
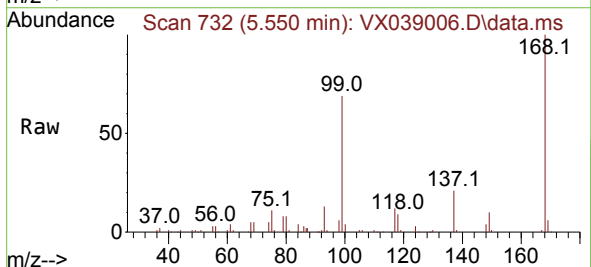
Tgt Ion: 56 Resp: 2679

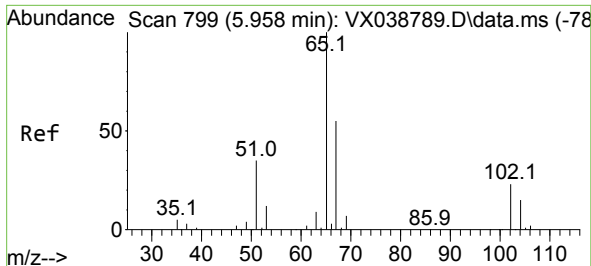
Ion Ratio Lower Upper

56 100

69 182.4 23.4 35.2#

84 120.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 53.182 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX039006.D

Acq: 22 Nov 2023 16:32

Instrument :

MSVOA_X

ClientSampleId :

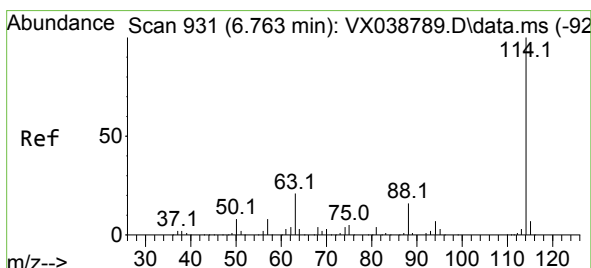
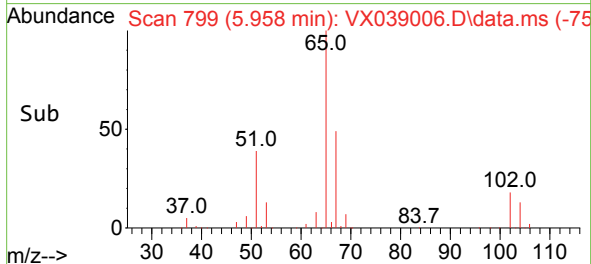
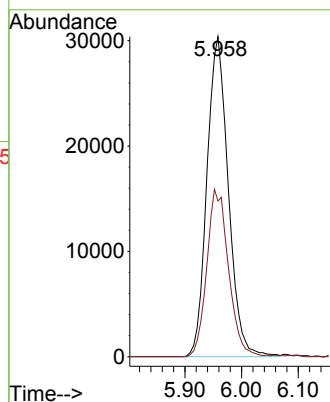
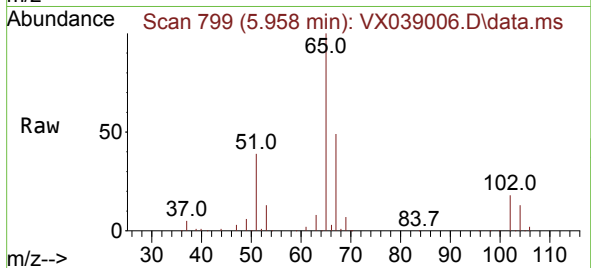
22BR-20231113

Tgt Ion: 65 Resp: 79662

Ion Ratio Lower Upper

65 100

67 53.1 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: VX039006.D

Acq: 22 Nov 2023 16:32

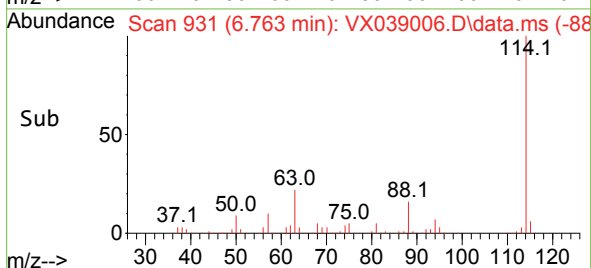
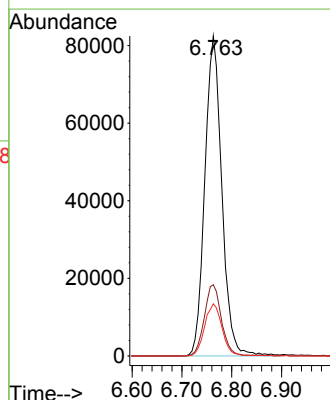
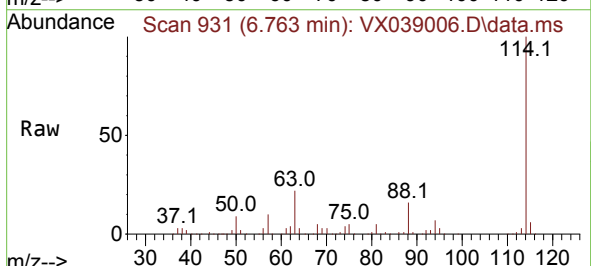
Tgt Ion: 114 Resp: 195331

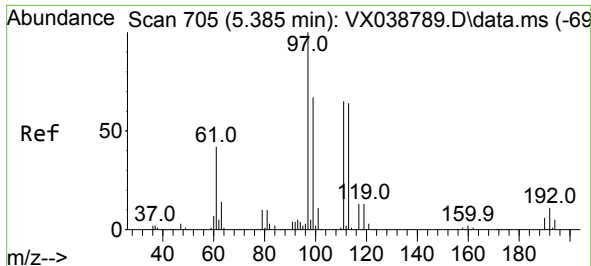
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

88 16.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.874 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX039006.D

Acq: 22 Nov 2023 16:32

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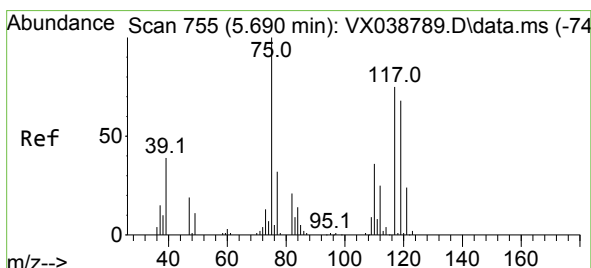
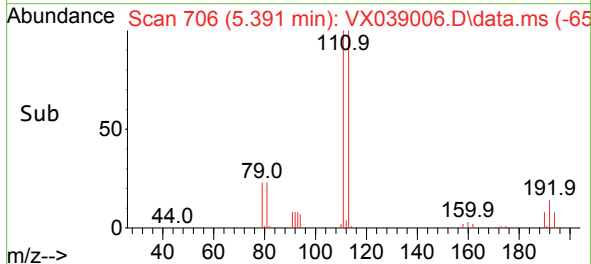
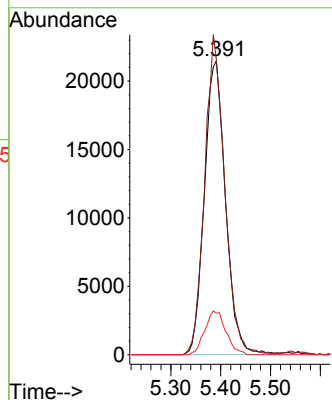
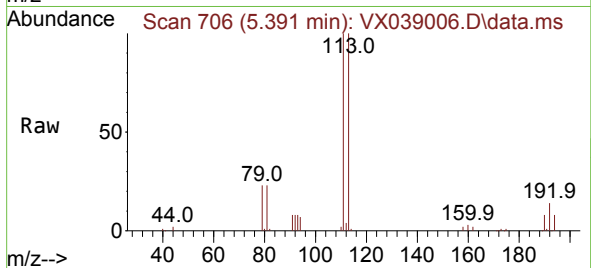
Tgt Ion:113 Resp: 63305

Ion Ratio Lower Upper

113 100

111 103.3 82.9 124.3

192 14.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX039006.D

Acq: 22 Nov 2023 16:32

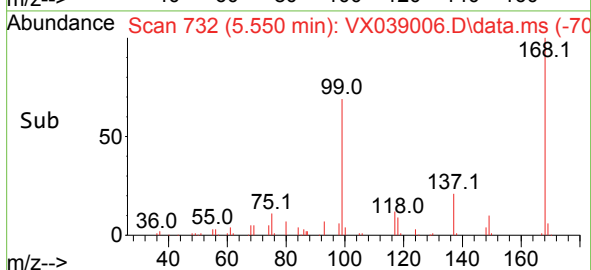
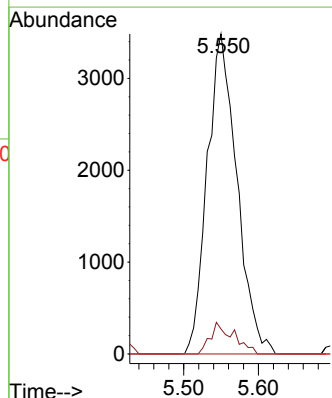
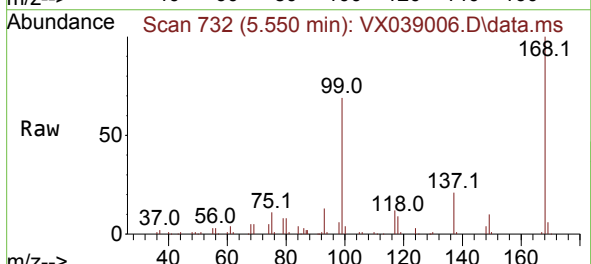
Tgt Ion: 75 Resp: 9593

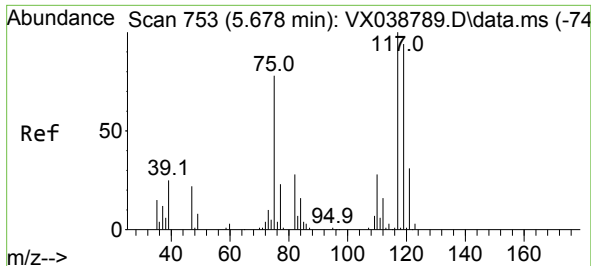
Ion Ratio Lower Upper

75 100

110 7.8 17.0 50.9#

77 0.0 24.7 37.1#

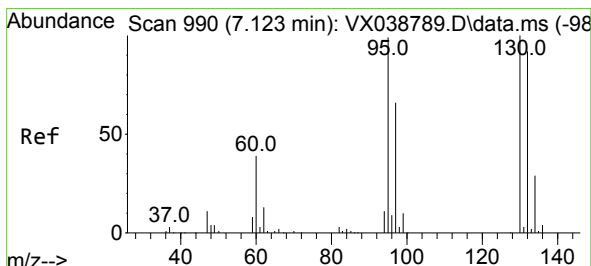
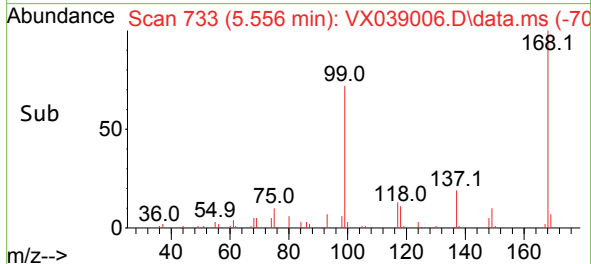
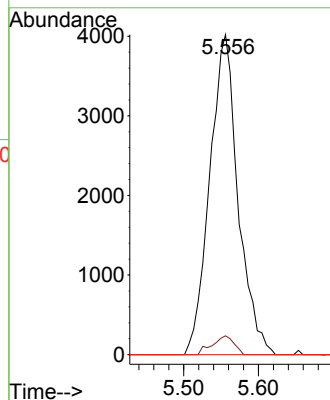
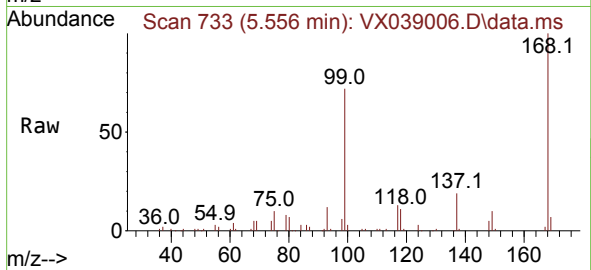




#38
Carbon Tetrachloride
Concen: 5.674 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

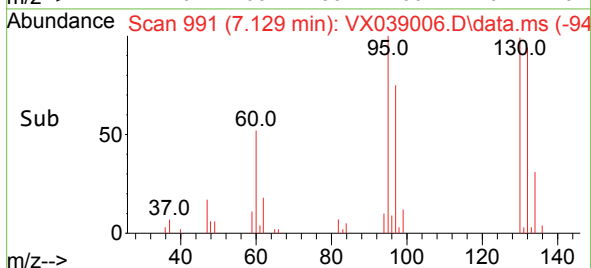
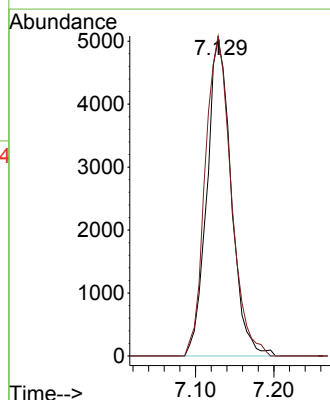
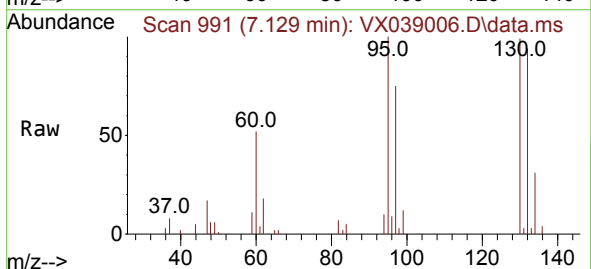
Instrument :
MSVOA_X
ClientSampleId :
22BR-20231113

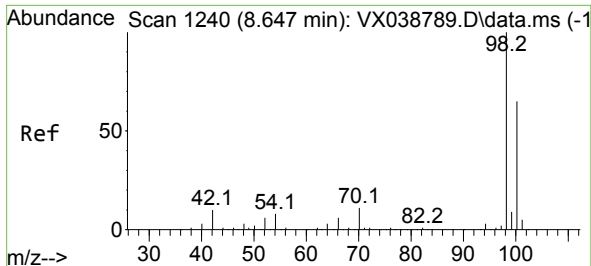
Tgt Ion:117 Resp: 10603
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 7.468 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

Tgt Ion:130 Resp: 10871
Ion Ratio Lower Upper
130 100
95 101.1 0.0 204.4

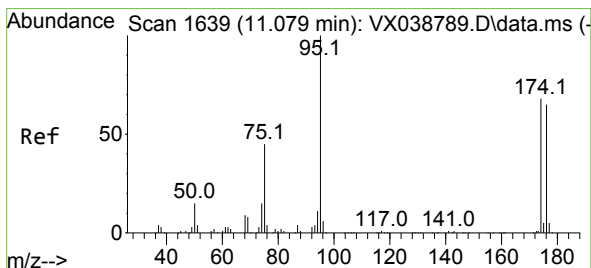
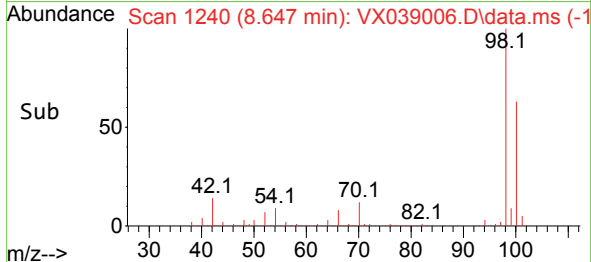
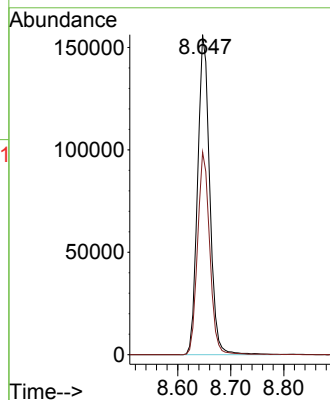
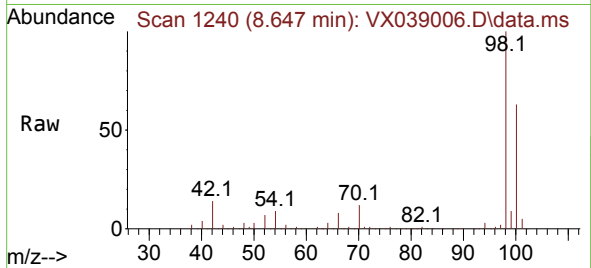




#50
Toluene-d8
Concen: 45.920 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

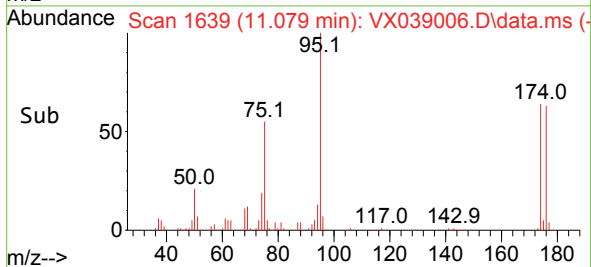
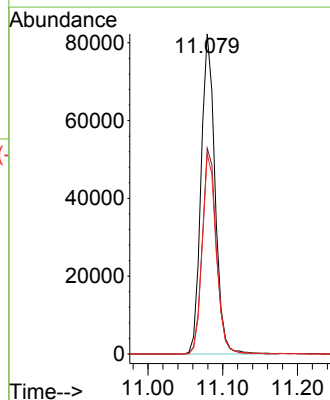
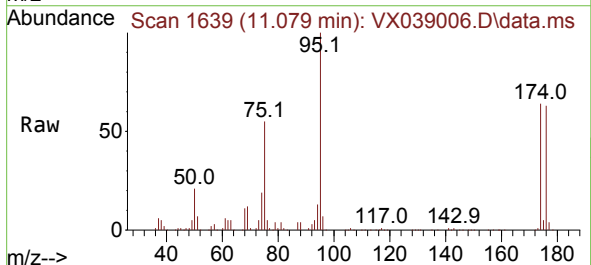
Instrument :
MSVOA_X
ClientSampleId :
22BR-20231113

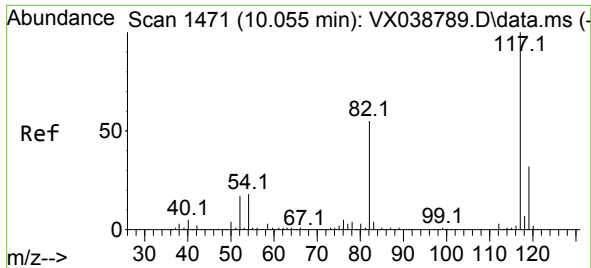
Tgt Ion: 98 Resp: 247855
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.303 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

Tgt Ion: 95 Resp: 106527
Ion Ratio Lower Upper
95 100
174 65.0 0.0 135.6
176 62.7 0.0 131.0

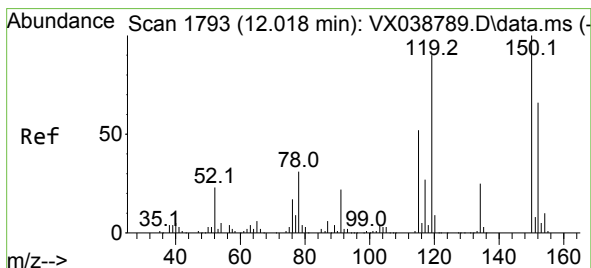
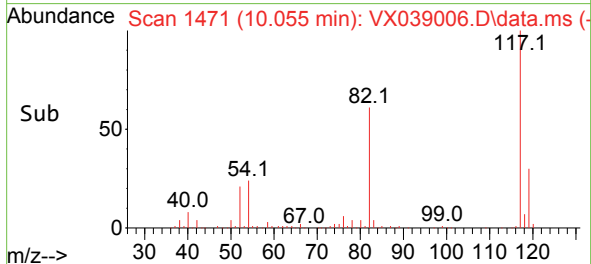
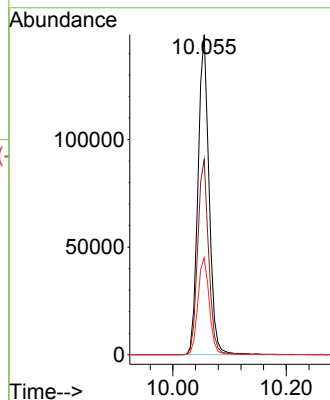
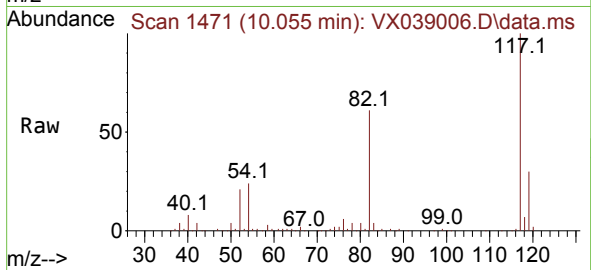




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

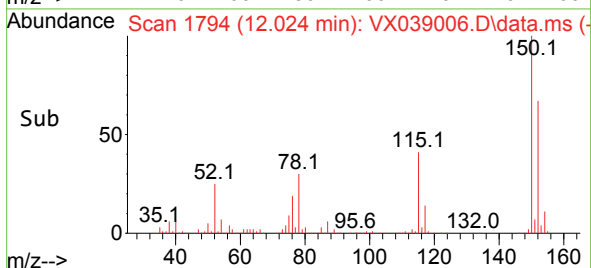
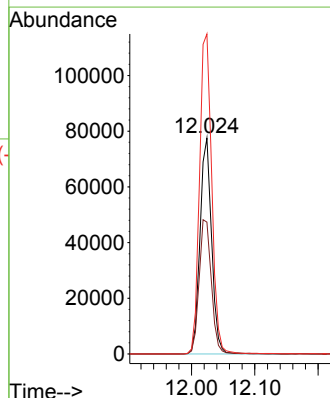
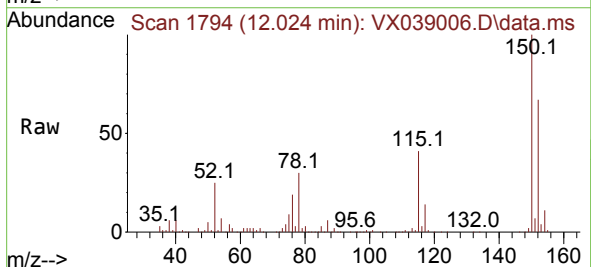
Instrument :
MSVOA_X
ClientSampleId :
22BR-20231113

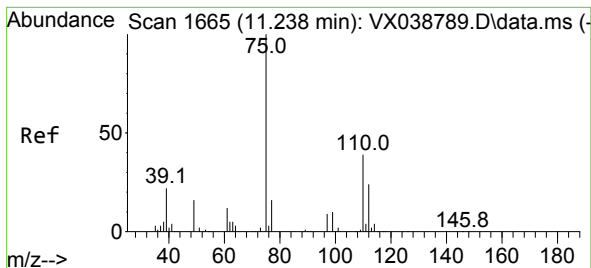
Tgt Ion:117 Resp: 200289
Ion Ratio Lower Upper
117 100
82 61.0 46.2 69.4
119 30.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039006.D
Acq: 22 Nov 2023 16:32

Tgt Ion:152 Resp: 99140
Ion Ratio Lower Upper
152 100
115 65.6 43.3 129.9
150 155.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.450 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039006.D

Acq: 22 Nov 2023 16:32

Instrument :

MSVOA_X

ClientSampleId :

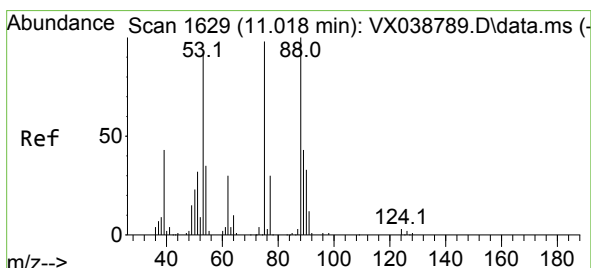
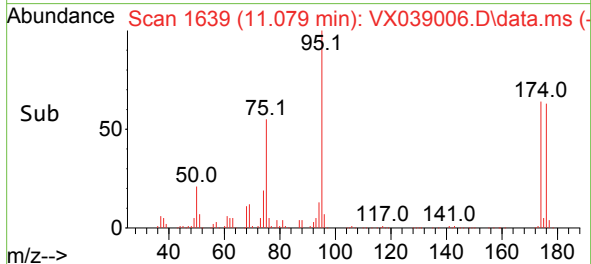
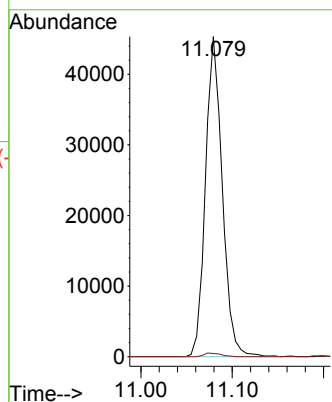
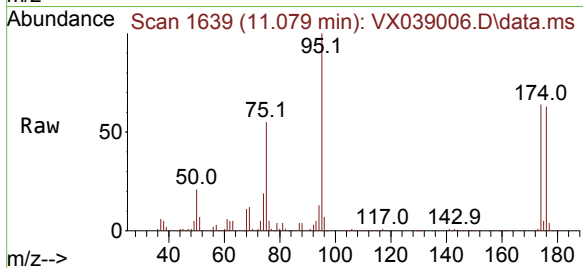
22BR-20231113

Tgt Ion: 75 Resp: 58005

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.015 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039006.D

Acq: 22 Nov 2023 16:32

Tgt Ion: 75 Resp: 58005

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

