

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034473.D
 Acq On : 14 Mar 2023 18:28
 Operator : JC/MD
 Sample : 01892-01 500X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BOOM-030923

Quant Time: Mar 15 06:51:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

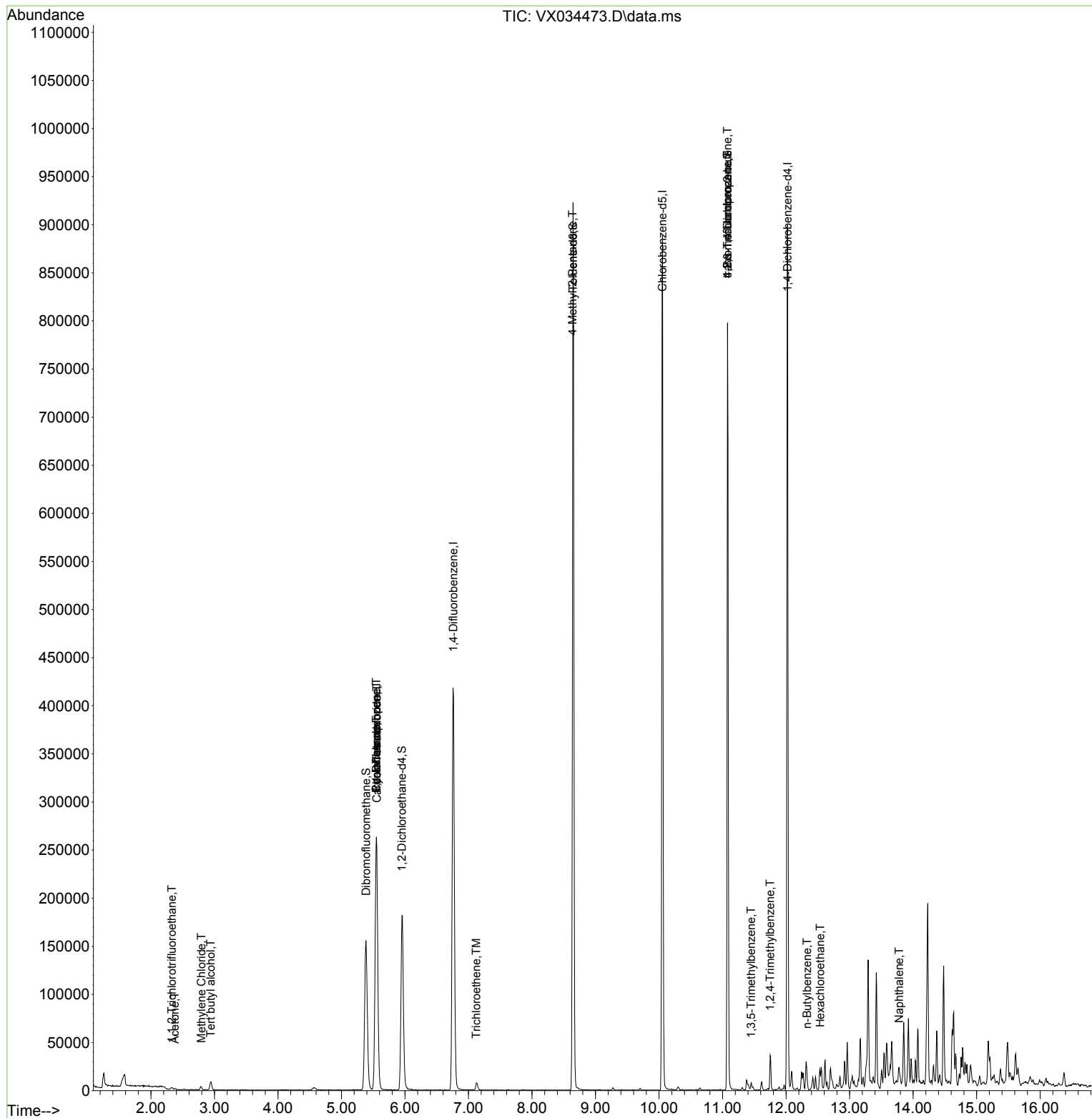
Internal Standards						
1) Pentafluorobenzene	5.550	168	252667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	433960	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	397392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	183047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	167304	45.515	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.040%		
35) Dibromofluoromethane	5.385	113	135314	47.227	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.460%		
50) Toluene-d8	8.647	98	526401	49.215	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.420%		
62) 4-Bromofluorobenzene	11.079	95	201767	46.701	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.400%		
Target Compounds						
3) Chloromethane	1.319	50	478	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	939	0.334	ug/l	95
11) Tert butyl alcohol	2.940	59	5193	6.784	ug/l #	73
16) Acetone	2.373	43	1118	0.646	ug/l #	84
20) Methylene Chloride	2.794	84	1596	0.475	ug/l #	74
31) Cyclohexane	5.550	56	6257	1.214	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	20224	4.596	ug/l #	50
38) Carbon Tetrachloride	5.556	117	24527	5.602	ug/l #	15
44) Trichloroethene	7.123	130	2868	0.857	ug/l	72
51) 4-Methyl-2-Pentanone	8.641	43	2766	0.585	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	106145	25.255	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.451	105	3271	0.276	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	106145	68.322	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	15642	1.290	ug/l	95
89) n-Butylbenzene	12.329	91	5112	0.468	ug/l #	37
90) Hexachloroethane	12.536	117	918	0.404	ug/l #	15
95) Naphthalene	13.780	128	12541	0.931	ug/l #	93

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

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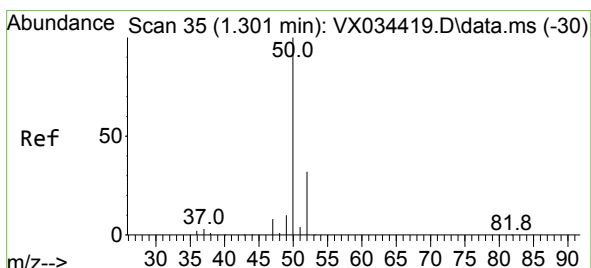
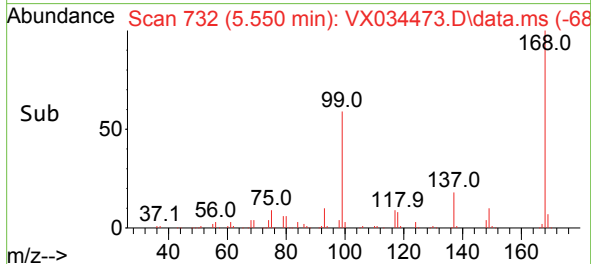
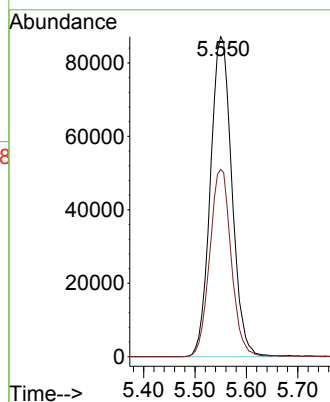
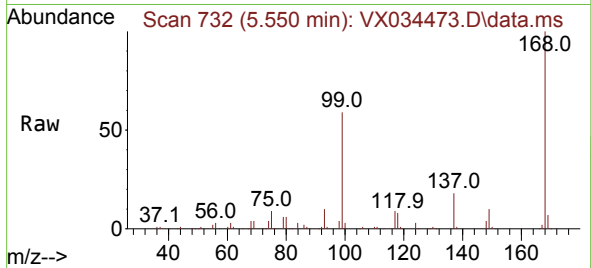




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

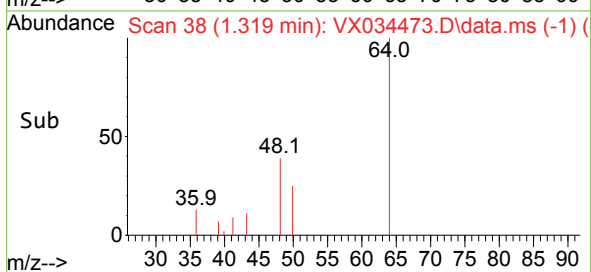
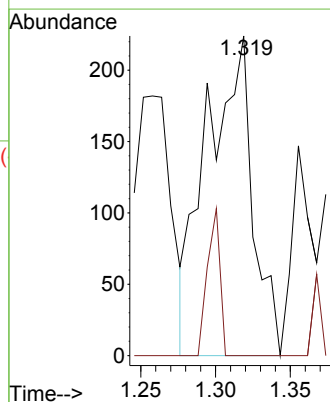
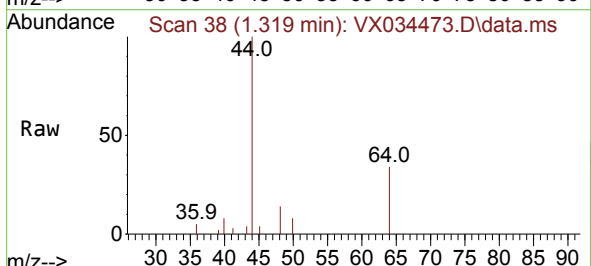
Instrument :
MSVOA_X
ClientSampleId :
BOOM-030923

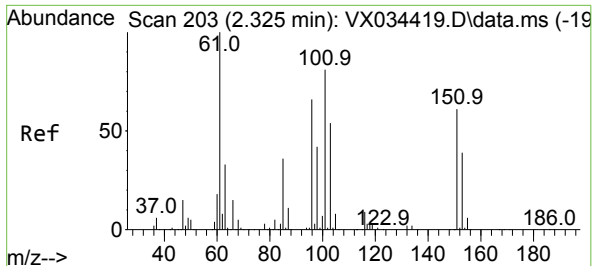
Tgt Ion:168 Resp: 252667
Ion Ratio Lower Upper
168 100
99 58.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.319 min Scan# 38
Delta R.T. 0.018 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

Tgt Ion: 50 Resp: 478
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

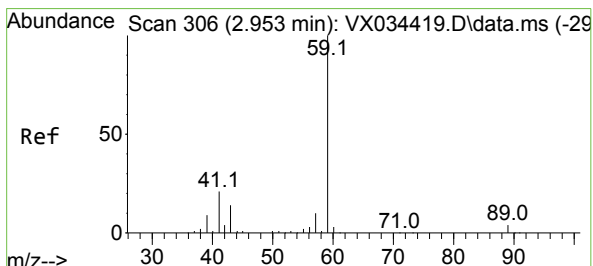
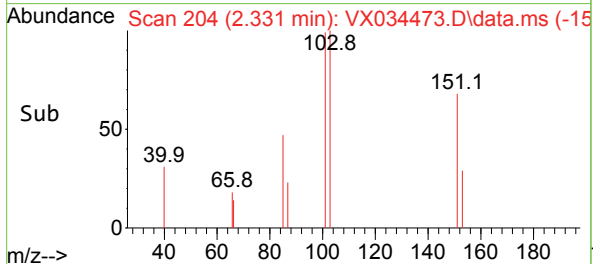
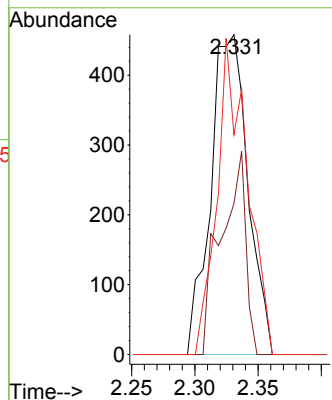
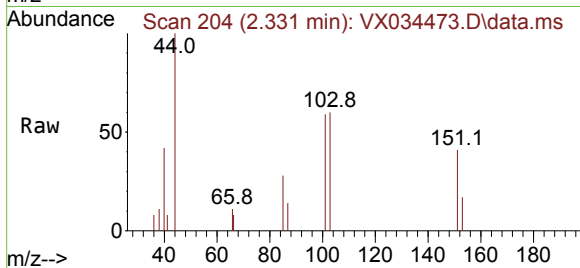




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.334 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

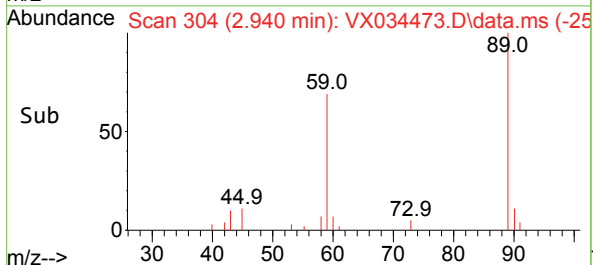
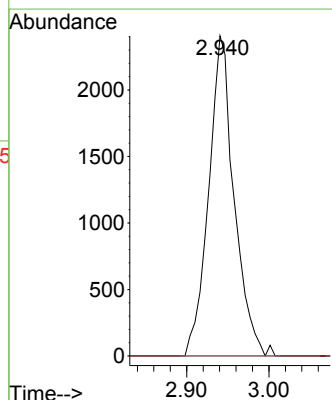
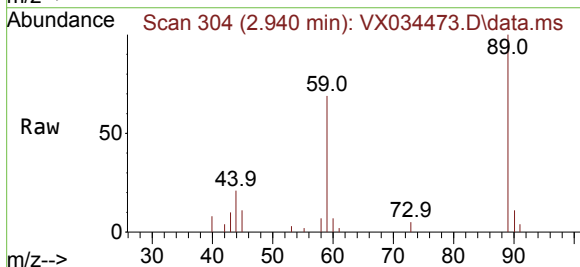
Instrument :
MSVOA_X
ClientSampleId :
BOOM-030923

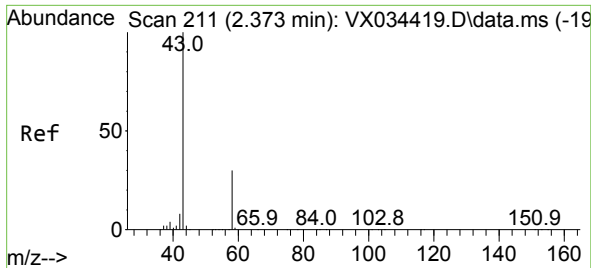
Tgt Ion:101 Resp: 939
Ion Ratio Lower Upper
101 100
85 42.3 35.4 53.2
151 80.6 60.2 90.4



#11
Tert butyl alcohol
Concen: 6.784 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

Tgt Ion: 59 Resp: 5193
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

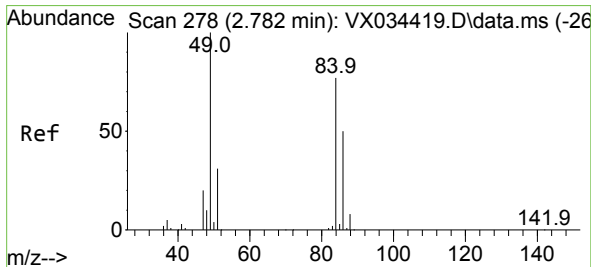
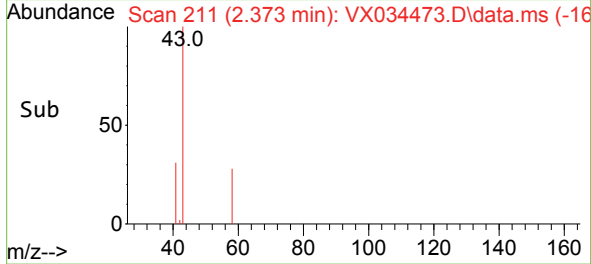
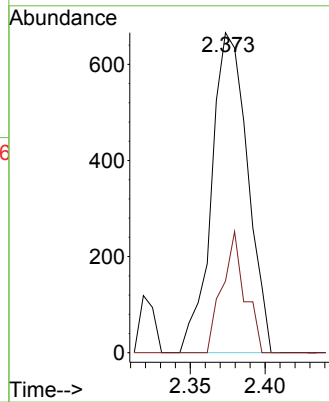
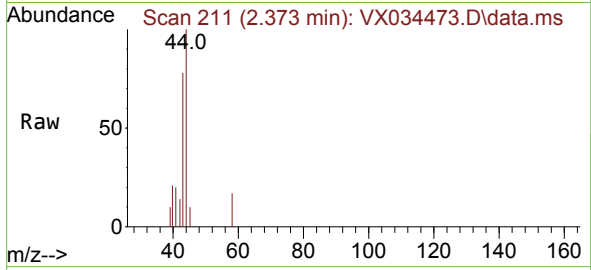




#16
Acetone
Concen: 0.646 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

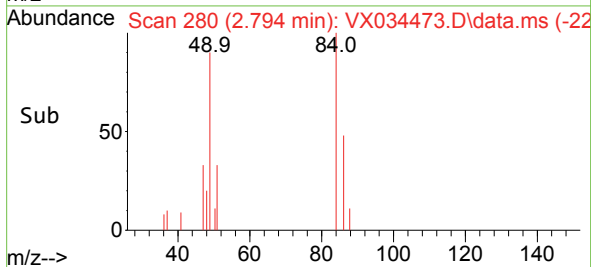
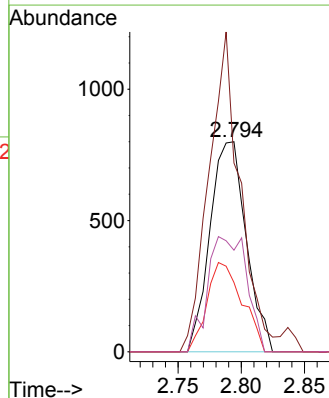
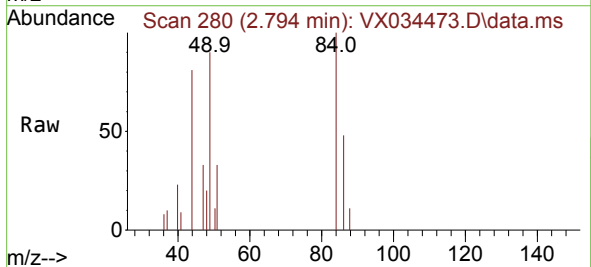
Instrument :
MSVOA_X
ClientSampleId :
BOOM-030923

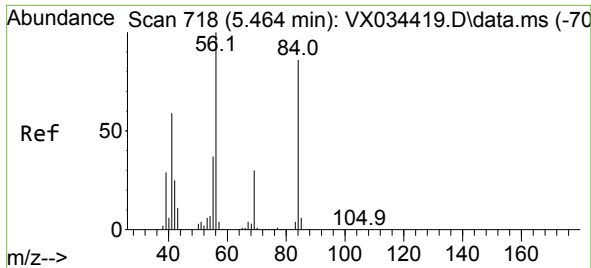
Tgt Ion: 43 Resp: 1118
Ion Ratio Lower Upper
43 100
58 22.4 24.7 37.1#



#20
Methylene Chloride
Concen: 0.475 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

Tgt Ion: 84 Resp: 1596
Ion Ratio Lower Upper
84 100
49 89.9 103.8 155.8#
51 33.0 31.8 47.8
86 48.4 51.4 77.2#

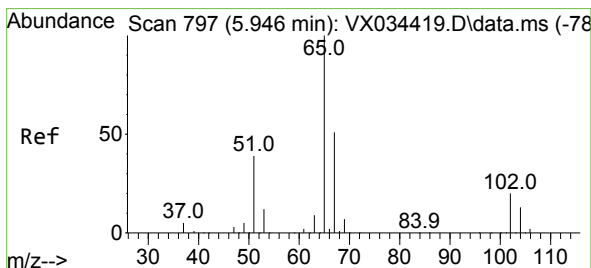
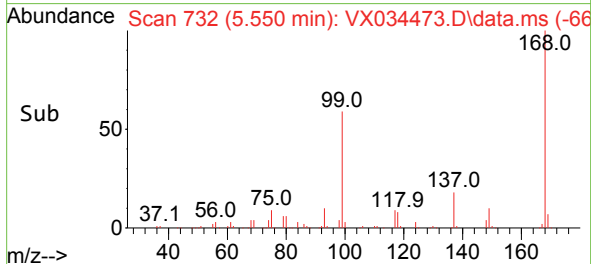
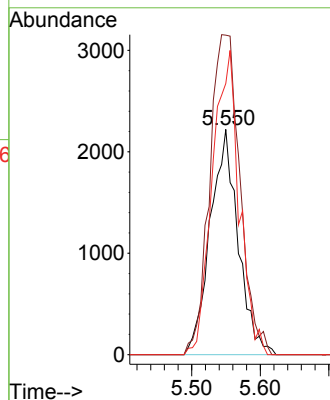
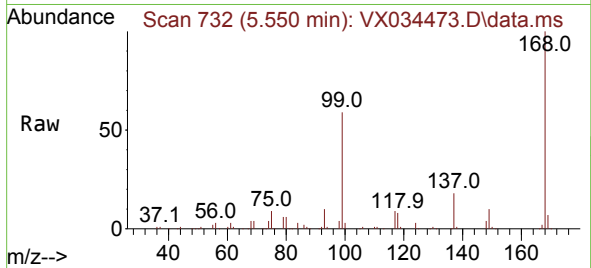




#31
Cyclohexane
Concen: 1.214 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

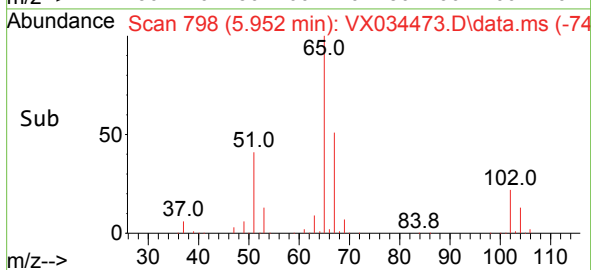
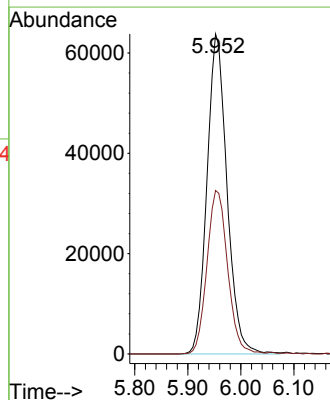
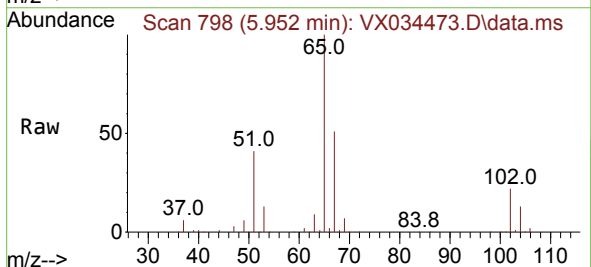
Instrument :
MSVOA_X
ClientSampleId :
BOOM-030923

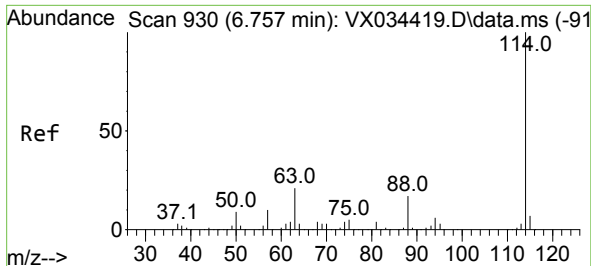
Tgt Ion: 56 Resp: 6257
Ion Ratio Lower Upper
56 100
69 141.9 23.7 35.5#
84 120.4 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 45.515 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

Tgt Ion: 65 Resp: 167304
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX034473.D

Acq: 14 Mar 2023 18:28

Instrument :

MSVOA_X

ClientSampleId :

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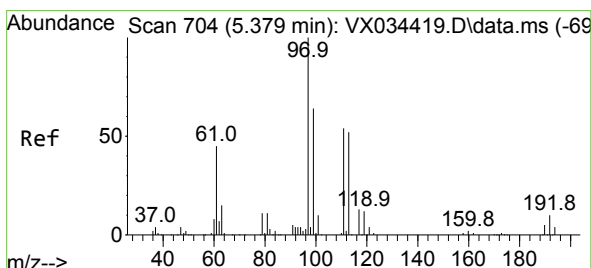
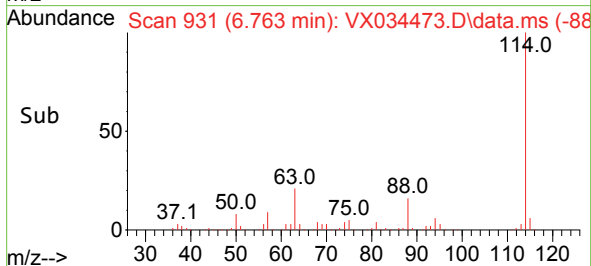
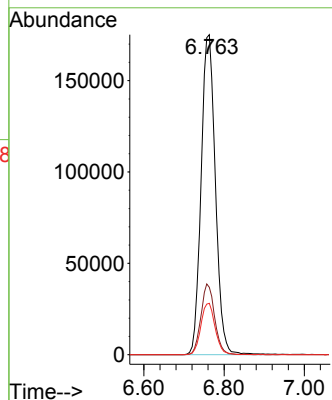
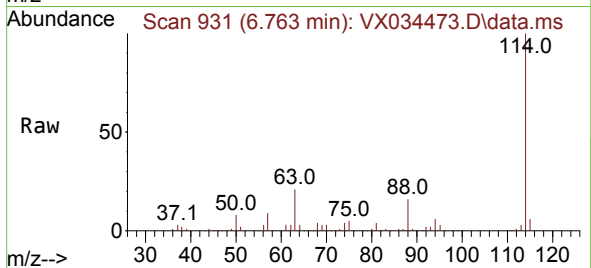
Tgt Ion:114 Resp: 433960

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.2

88 16.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.227 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034473.D

Acq: 14 Mar 2023 18:28

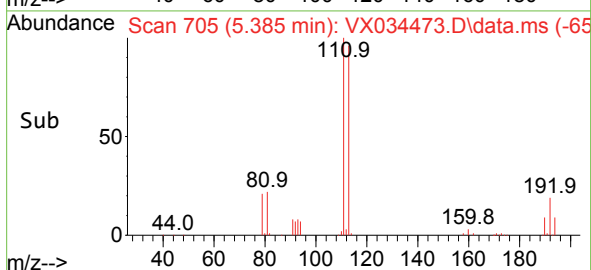
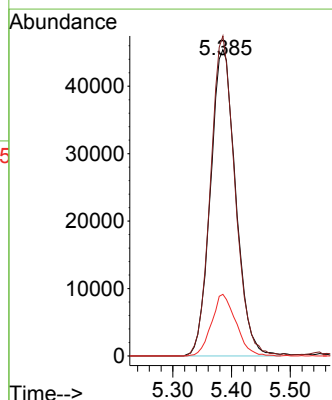
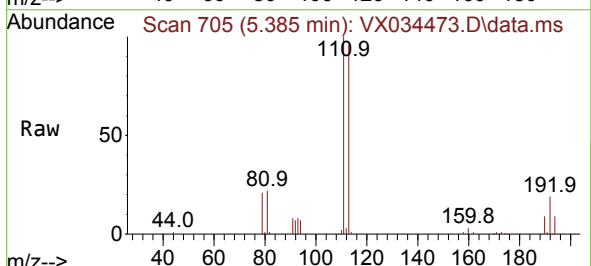
Tgt Ion:113 Resp: 135314

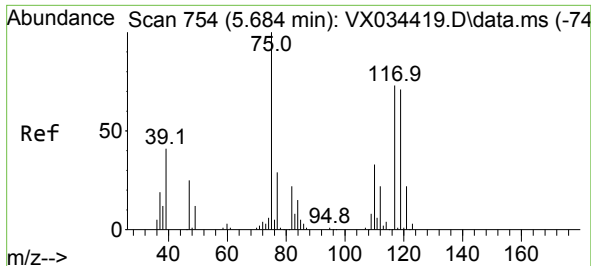
Ion Ratio Lower Upper

113 100

111 101.6 83.7 125.5

192 19.5 15.4 23.2

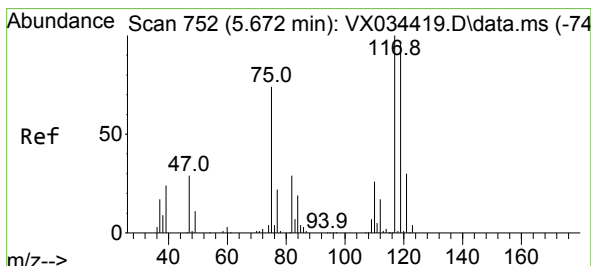
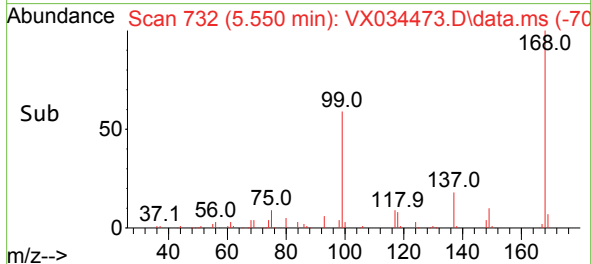
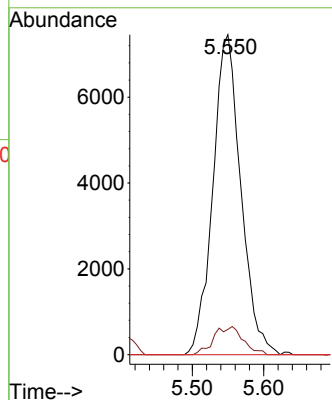
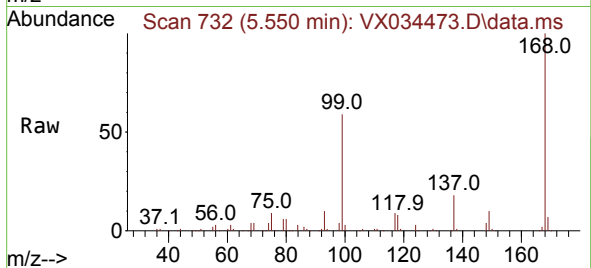




#36
1,1-Dichloropropene
Concen: 4.596 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

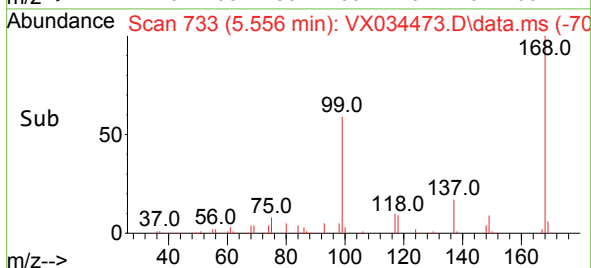
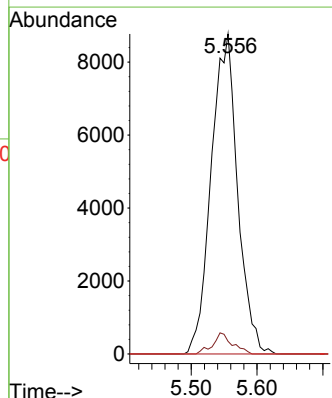
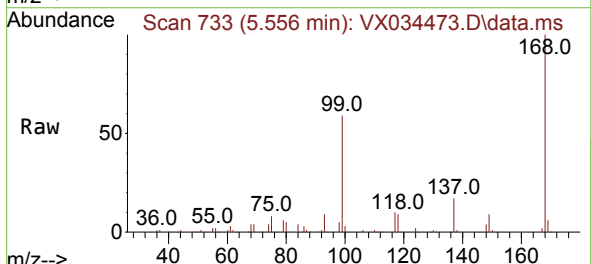
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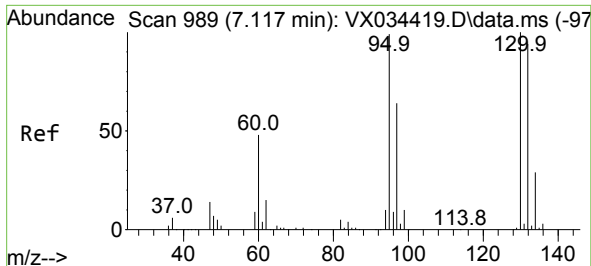
Tgt Ion: 75 Resp: 20224
Ion Ratio Lower Upper
75 100
110 9.2 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.602 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

Tgt Ion: 117 Resp: 24527
Ion Ratio Lower Upper
117 100
119 3.9 76.6 114.8#
121 0.0 23.8 35.6#

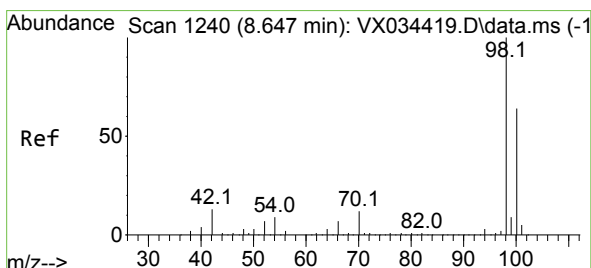
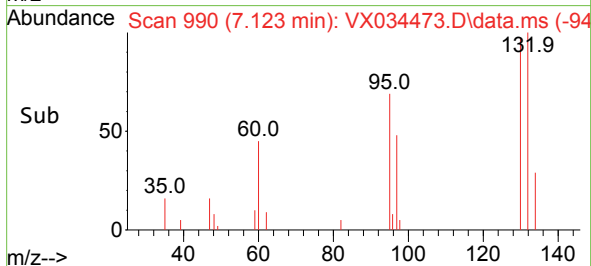
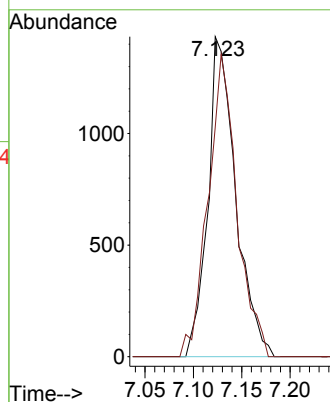
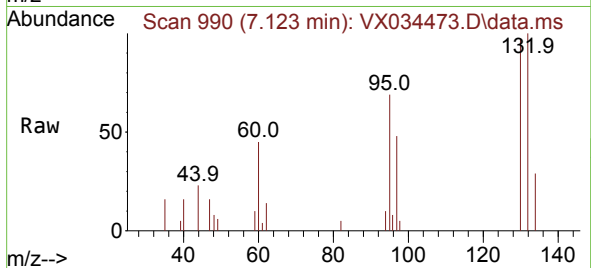




#44
Trichloroethene
Concen: 0.857 ug/l
RT: 7.123 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

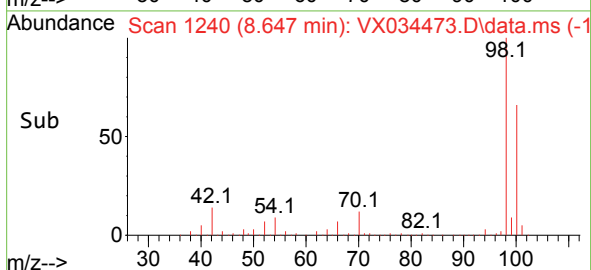
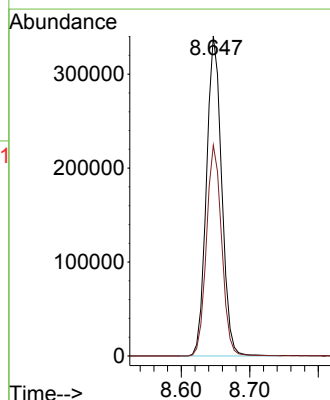
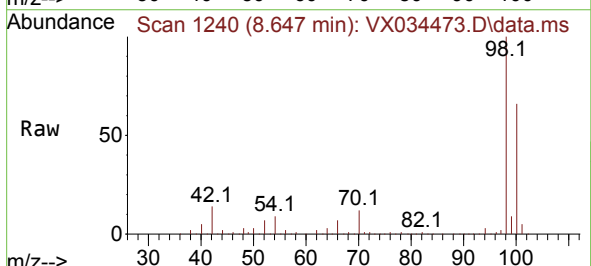
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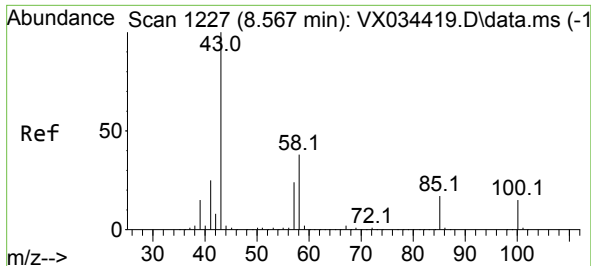
Tgt Ion:130 Resp: 2868
Ion Ratio Lower Upper
130 100
95 71.8 0.0 198.4



#50
Toluene-d8
Concen: 49.215 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

Tgt Ion: 98 Resp: 526401
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7

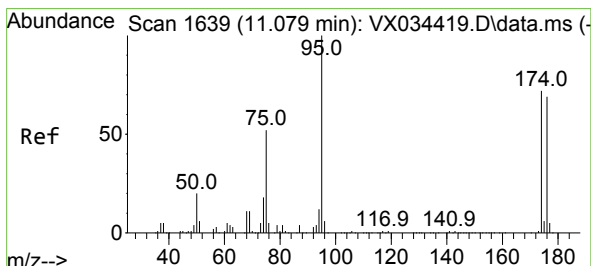
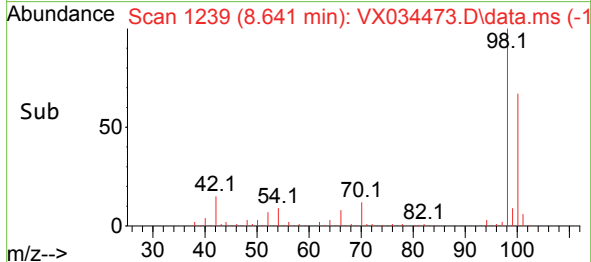
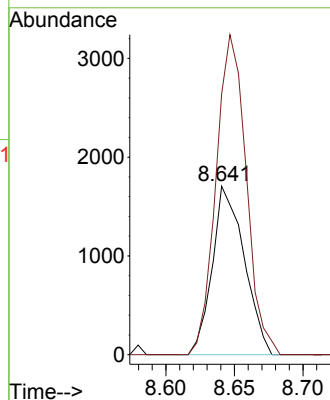
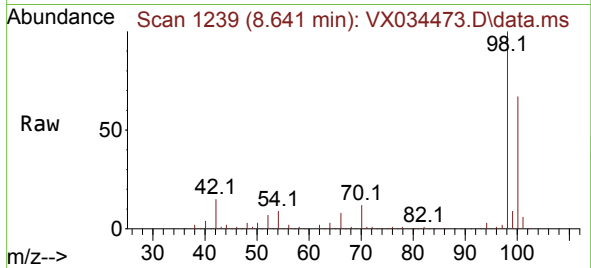




#51
4-Methyl-2-Pentanone
Concen: 0.585 ug/l
RT: 8.641 min Scan# 1227
Delta R.T. 0.073 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

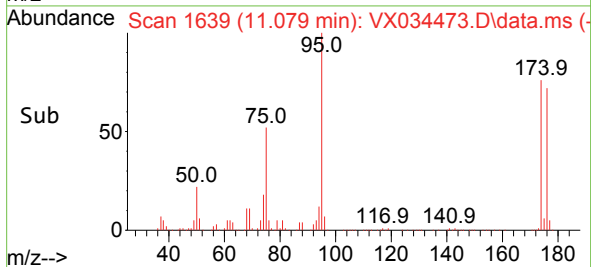
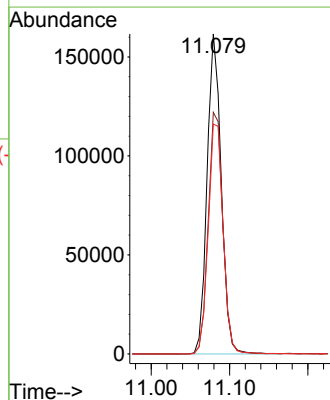
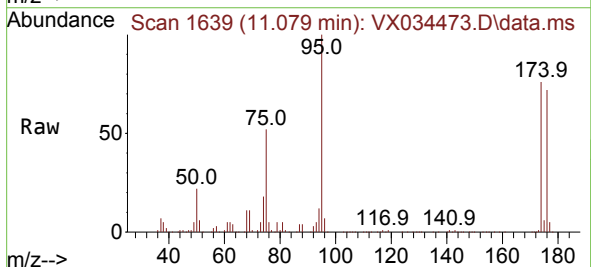
Instrument :
MSVOA_X
ClientSampleId :
BOOM-030923

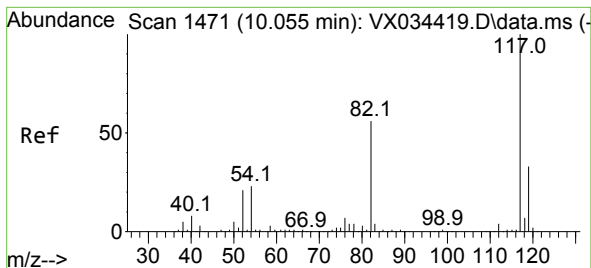
Tgt Ion: 43 Resp: 2766
Ion Ratio Lower Upper
43 100
58 179.8 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 46.701 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

Tgt Ion: 95 Resp: 201767
Ion Ratio Lower Upper
95 100
174 78.3 0.0 147.4
176 75.7 0.0 140.6

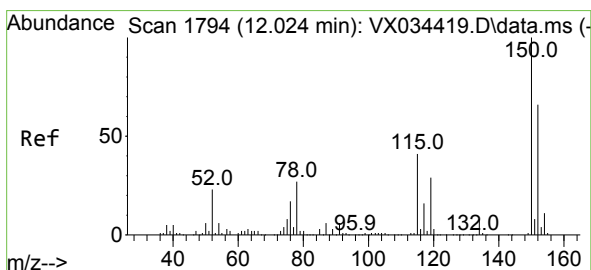
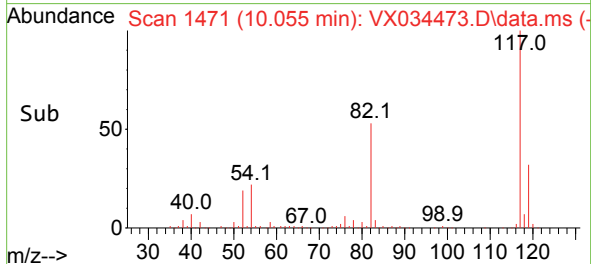
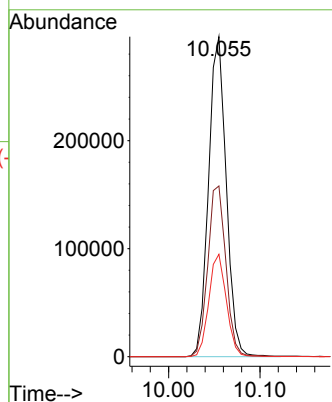
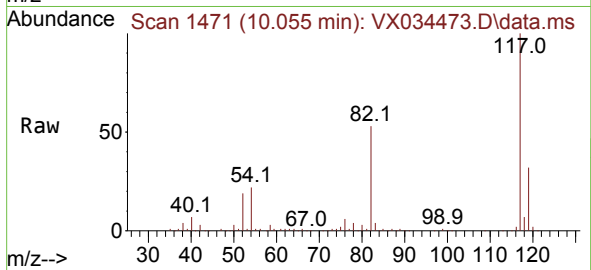




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

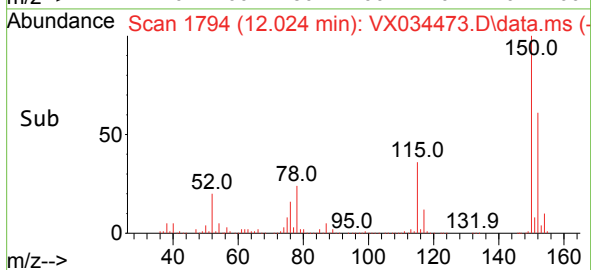
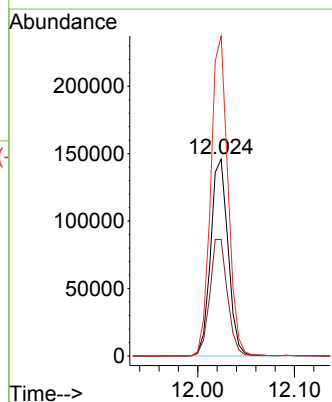
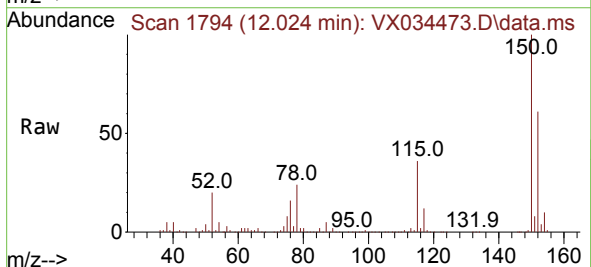
Instrument :
MSVOA_X
ClientSampleId :
BOOM-030923

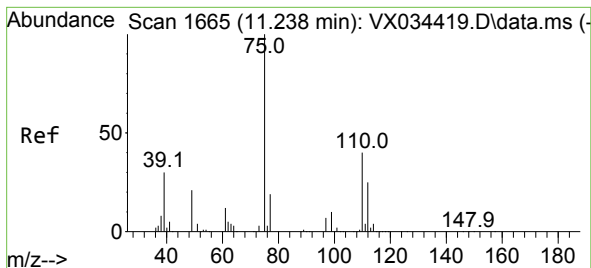
Tgt Ion:117 Resp: 397392
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

Tgt Ion:152 Resp: 183047
Ion Ratio Lower Upper
152 100
115 60.1 45.0 135.0
150 160.5 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 25.255 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX034473.D

Acq: 14 Mar 2023 18:28

Instrument :

MSVOA_X

ClientSampleId :

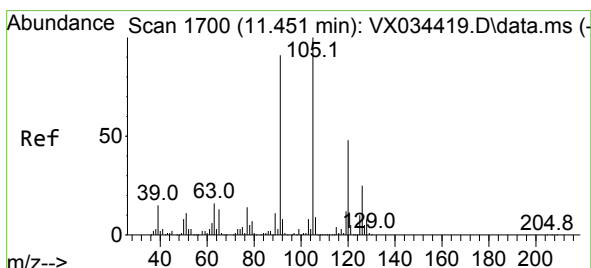
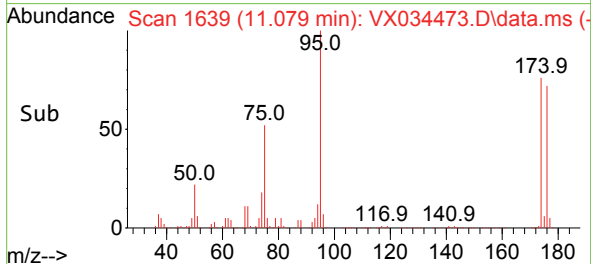
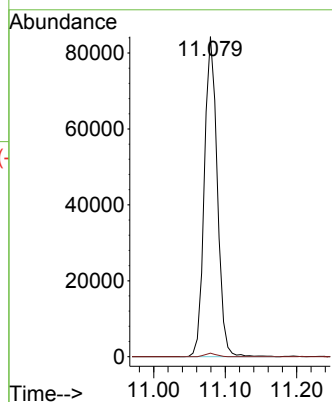
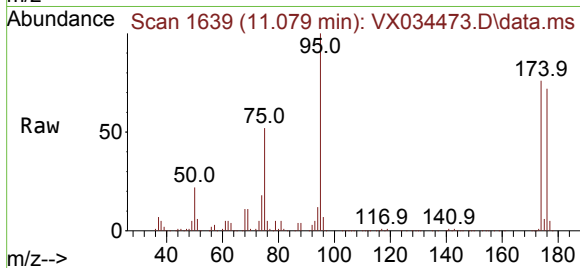
BOOM-030923

Tgt Ion: 75 Resp: 106145

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.276 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX034473.D

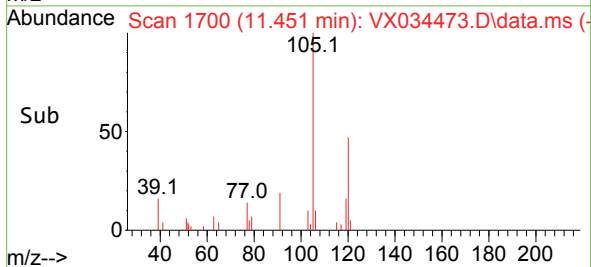
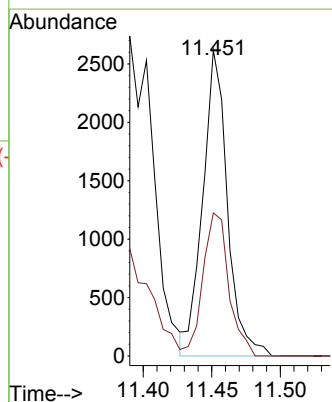
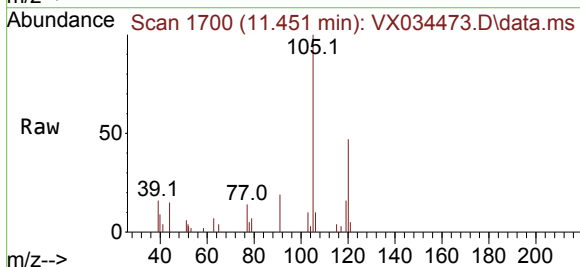
Acq: 14 Mar 2023 18:28

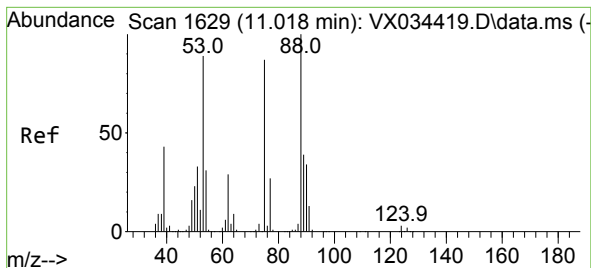
Tgt Ion:105 Resp: 3271

Ion Ratio Lower Upper

105 100

120 49.3 23.7 71.1

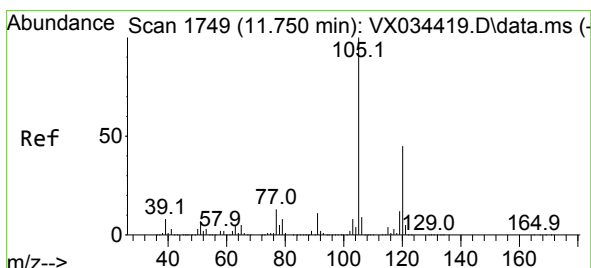
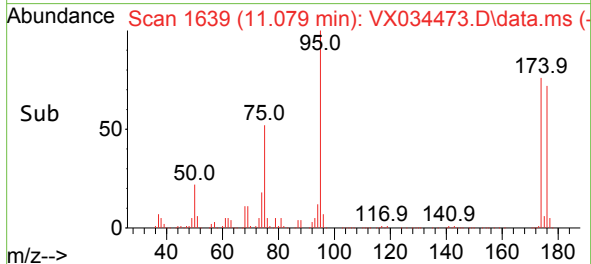
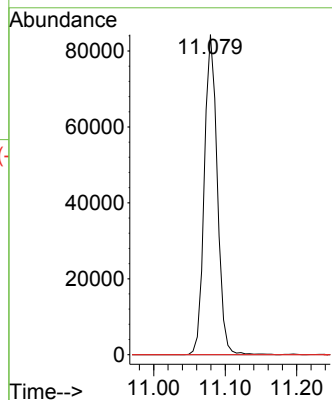
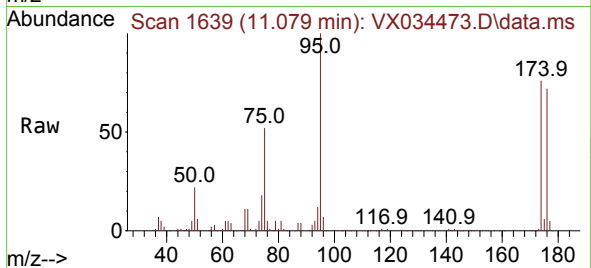




#81
trans-1,4-Dichloro-2-butene
Concen: 68.322 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

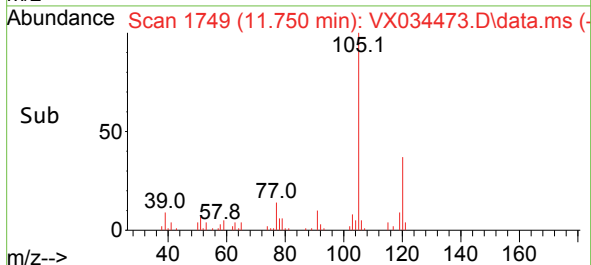
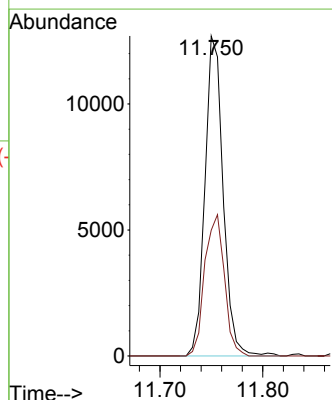
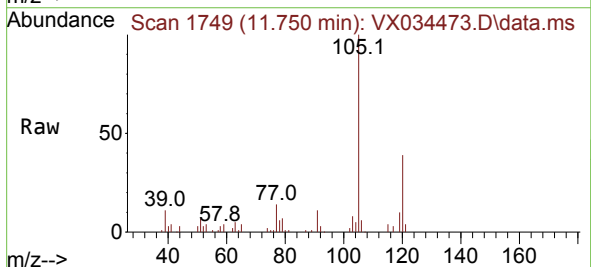
Instrument :
MSVOA_X
ClientSampleId :
BOOM-030923

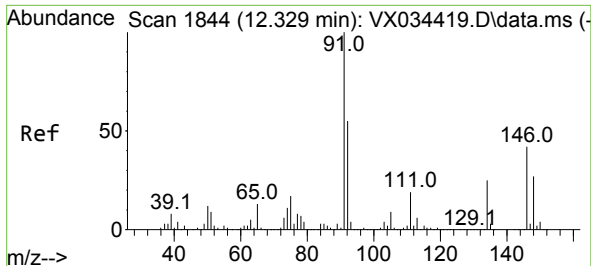
Tgt Ion: 75 Resp: 106145
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 1.290 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

Tgt Ion: 105 Resp: 15642
Ion Ratio Lower Upper
105 100
120 47.7 22.4 67.0





#89

n-Butylbenzene

Concen: 0.468 ug/l

RT: 12.329 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034473.D

Acq: 14 Mar 2023 18:28

Instrument :

MSVOA_X

ClientSampleId :

BOOM-030923

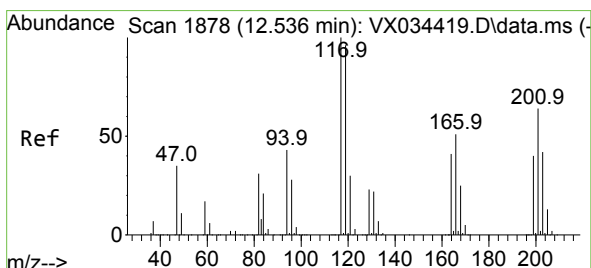
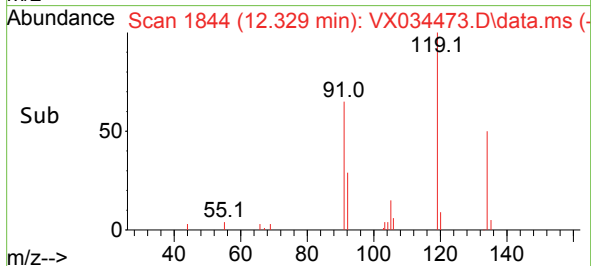
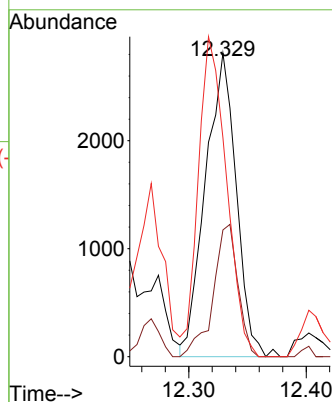
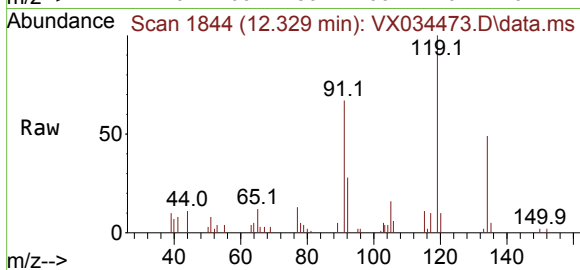
Tgt Ion: 91 Resp: 5112

Ion Ratio Lower Upper

91 100

92 35.2 27.7 83.0

134 95.9 13.0 38.9#



#90

Hexachloroethane

Concen: 0.404 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX034473.D

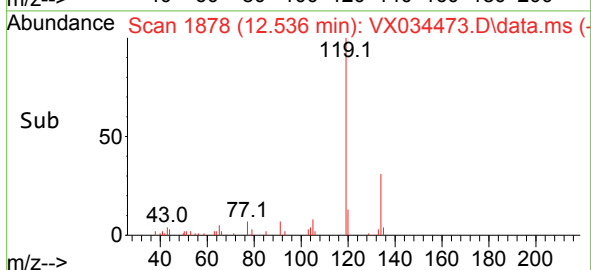
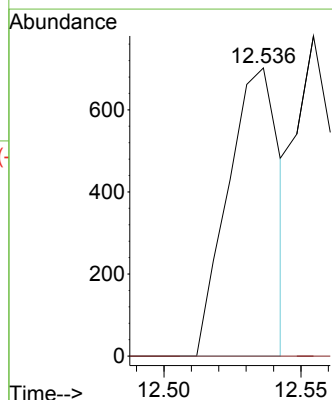
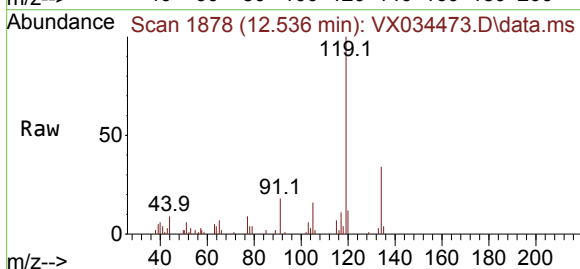
Acq: 14 Mar 2023 18:28

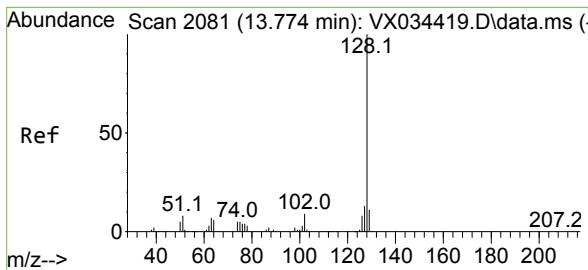
Tgt Ion: 117 Resp: 918

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.1#





#95
Naphthalene
Concen: 0.931 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034473.D
Acq: 14 Mar 2023 18:28

Instrument :
MSVOA_X
ClientSampleId :
BOOM-030923

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.2	15.4
129	14.8	8.6	13.0

