

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032923\
 Data File : VX034832.D
 Acq On : 29 Mar 2023 16:45
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK

Quant Time: Mar 30 06:31:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 30 05:38:28 2023
 Response via : Initial Calibration

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

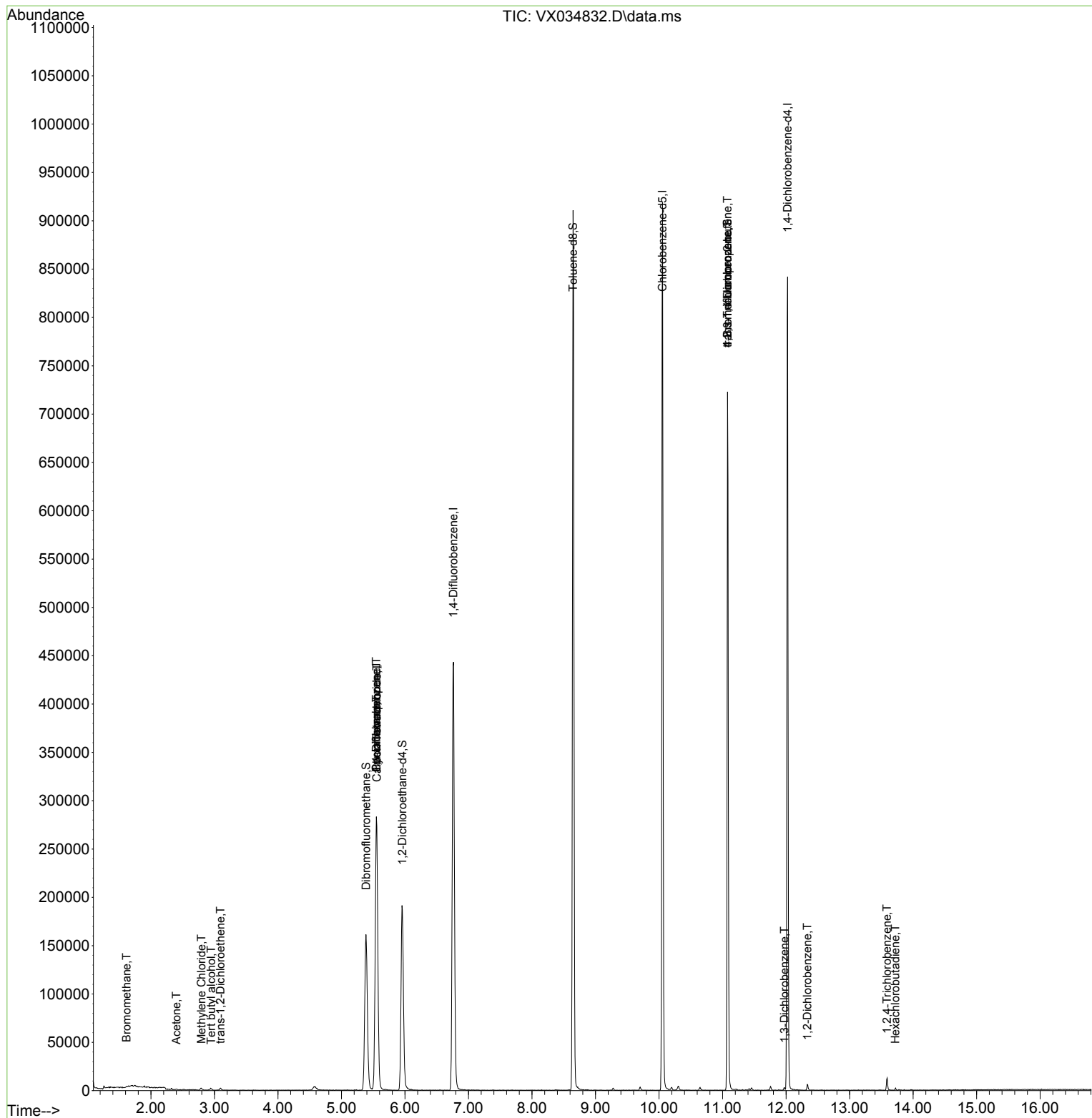
Internal Standards						
1) Pentafluorobenzene	5.550	168	259205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	440148	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	388486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	167891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	181593	45.809	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.620%
35) Dibromofluoromethane	5.385	113	138309	47.509	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.020%
50) Toluene-d8	8.647	98	529096	49.239	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.480%
62) 4-Bromofluorobenzene	11.079	95	186210	44.781	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.560%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	544	0.261	ug/l #	75
11) Tert butyl alcohol	2.946	59	1218	1.751	ug/l #	73
16) Acetone	2.398	43	917	0.569	ug/l	92
20) Methylene Chloride	2.794	84	956	0.301	ug/l #	79
21) trans-1,2-Dichloroethene	3.093	96	864	0.298	ug/l #	78
31) Cyclohexane	5.550	56	6238	1.292	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	23303	5.403	ug/l #	50
38) Carbon Tetrachloride	5.556	117	26774	6.584	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	100547	26.316	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	100547	89.076	ug/l #	8
87) 1,3-Dichlorobenzene	11.975	146	1127	0.203	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	1802	0.324	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	3208	1.021	ug/l	99
94) Hexachlorobutadiene	13.719	225	440	0.318	ug/l	71

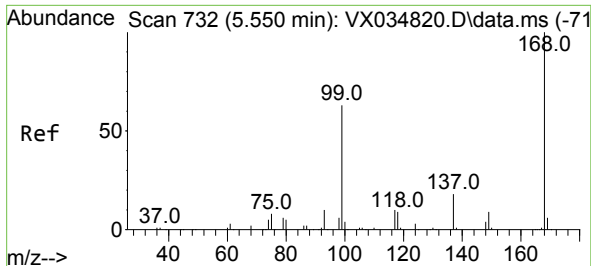
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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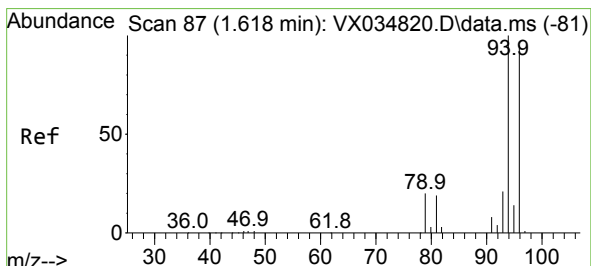
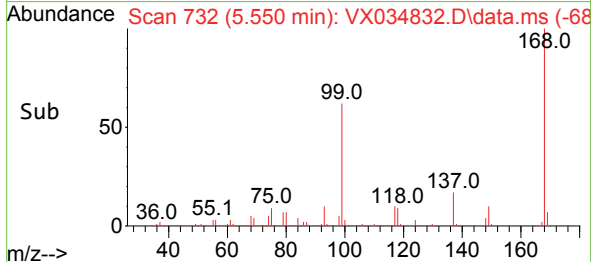
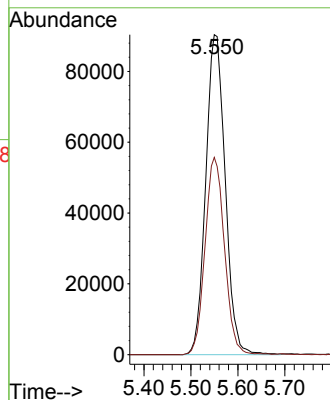
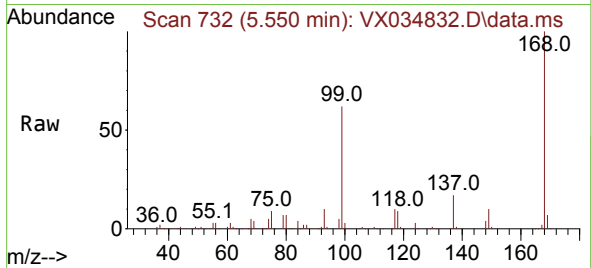




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

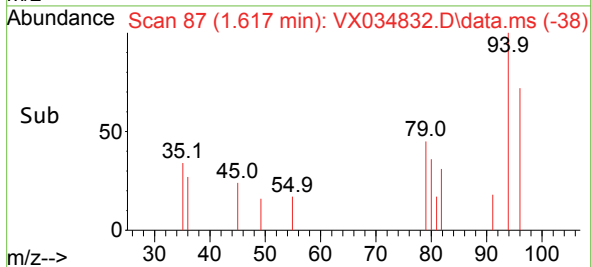
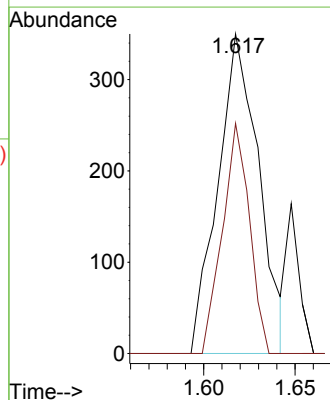
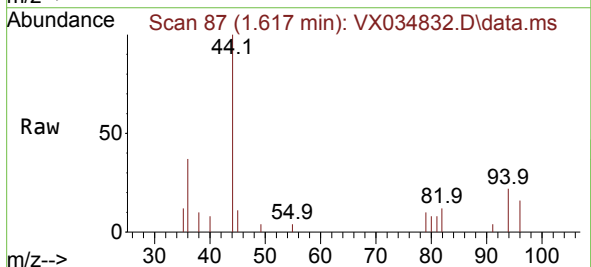
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

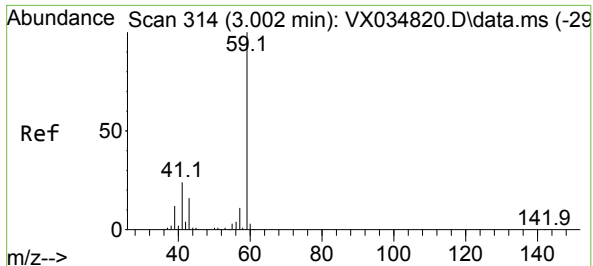
Tgt Ion:168 Resp: 259205
Ion Ratio Lower Upper
168 100
99 61.6 45.7 68.5



#5
Bromomethane
Concen: 0.261 ug/l
RT: 1.617 min Scan# 87
Delta R.T. -0.000 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

Tgt Ion: 94 Resp: 544
Ion Ratio Lower Upper
94 100
96 72.0 77.0 115.6#

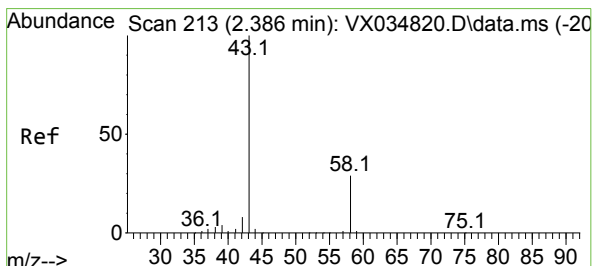
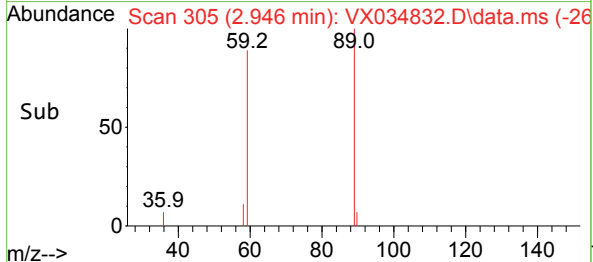
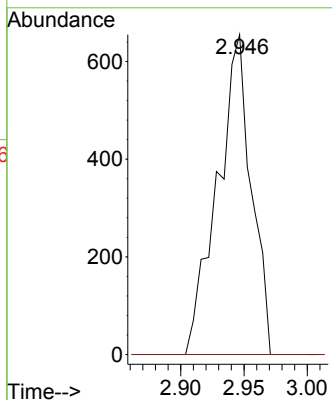
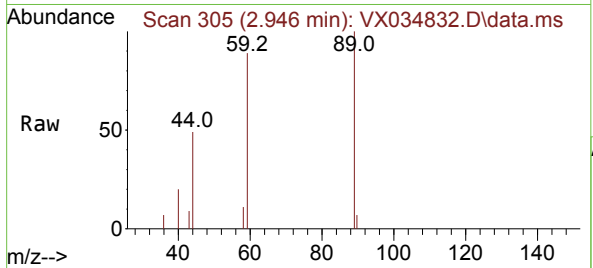




#11
Tert butyl alcohol
Concen: 1.751 ug/l
RT: 2.946 min Scan# 30
Delta R.T. -0.055 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

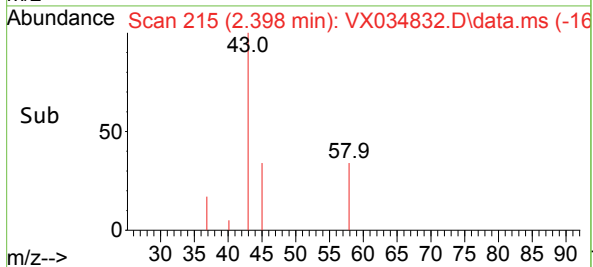
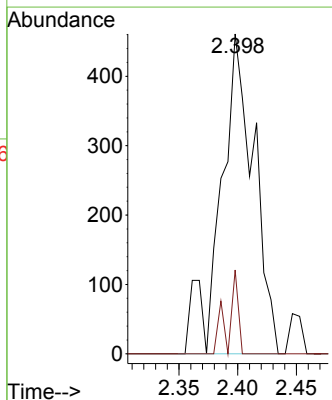
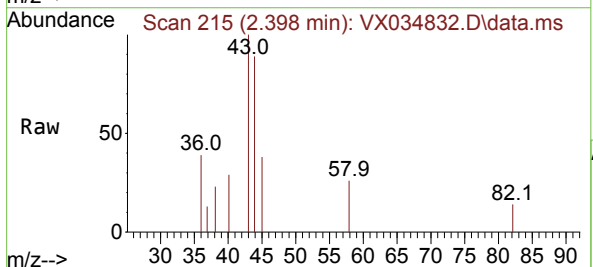
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

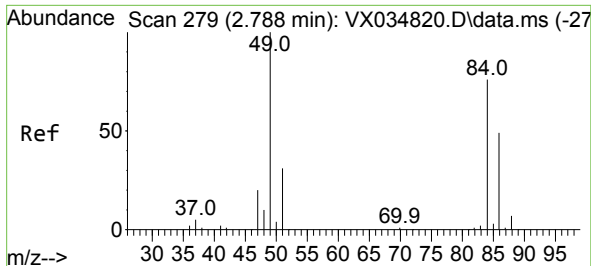
Tgt Ion: 59 Resp: 1218
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 0.569 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

Tgt Ion: 43 Resp: 917
Ion Ratio Lower Upper
43 100
58 26.2 24.7 37.1

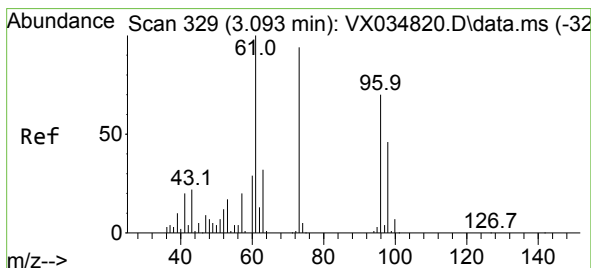
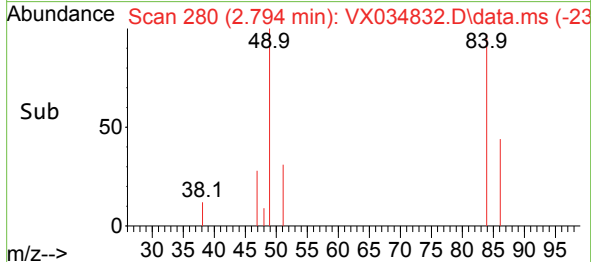
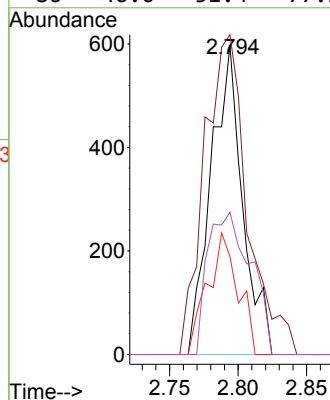
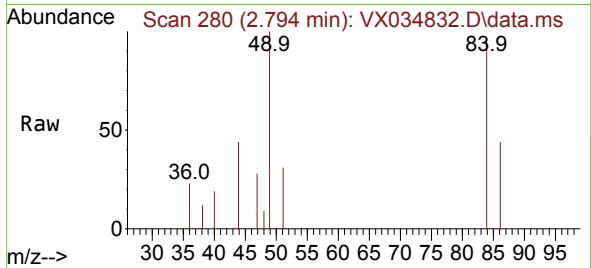




#20
Methylene Chloride
Concen: 0.301 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

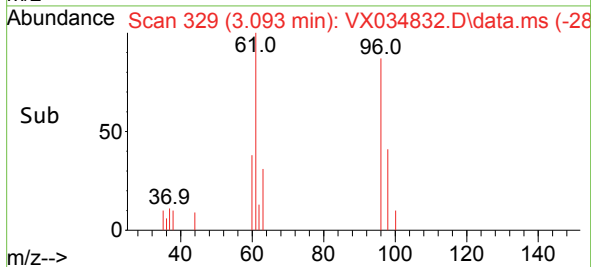
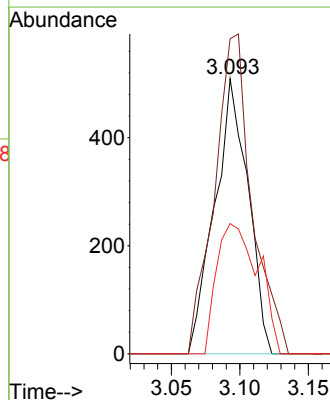
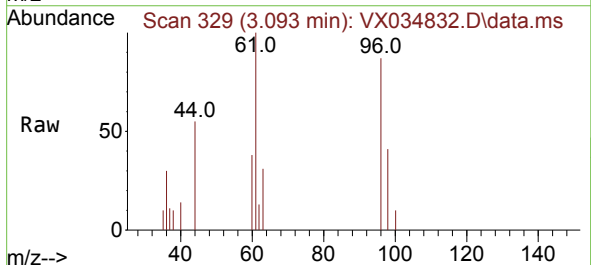
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

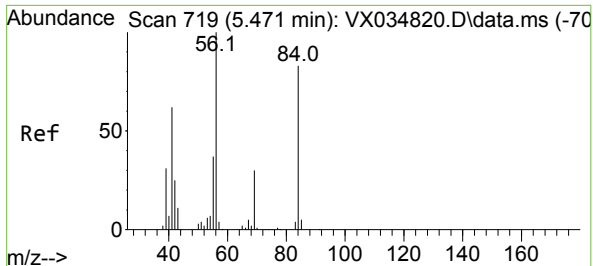
Tgt Ion: 84 Resp: 956
Ion Ratio Lower Upper
84 100
49 103.3 103.8 155.8#
51 31.6 31.8 47.8#
86 46.0 51.4 77.2#



#21
trans-1,2-Dichloroethene
Concen: 0.298 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

Tgt Ion: 96 Resp: 864
Ion Ratio Lower Upper
96 100
61 114.5 113.0 169.6
98 47.3 52.1 78.1#

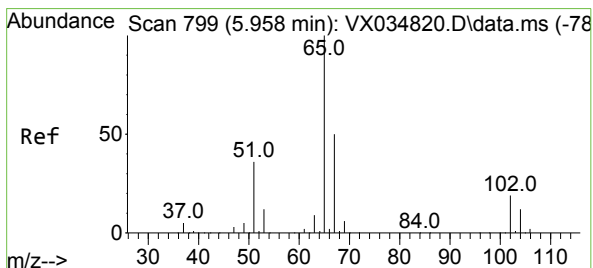
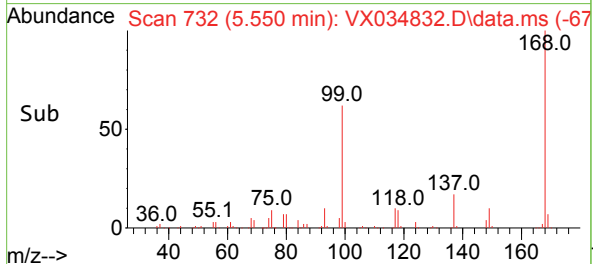
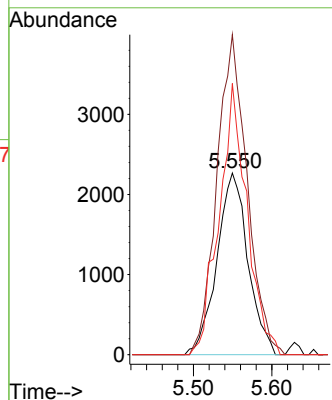
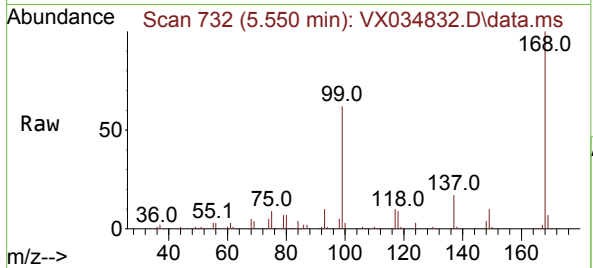




#31
Cyclohexane
Concen: 1.292 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

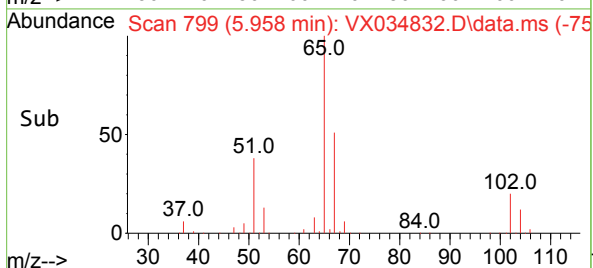
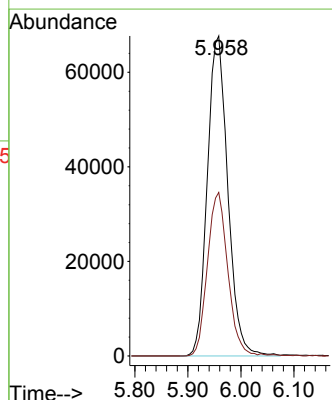
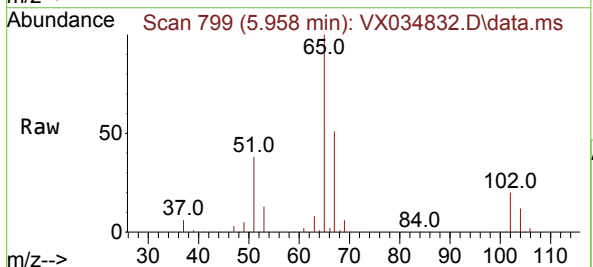
Instrument :
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ClientSampleId :
VIBLK

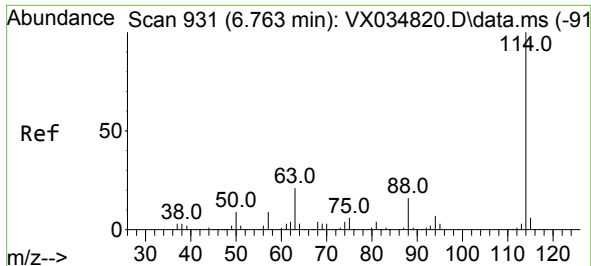
Tgt Ion: 56 Resp: 6238
Ion Ratio Lower Upper
56 100
69 176.2 23.7 35.5#
84 149.3 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 45.809 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

Tgt Ion: 65 Resp: 181593
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.0

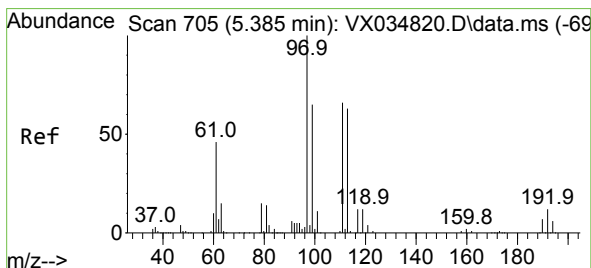
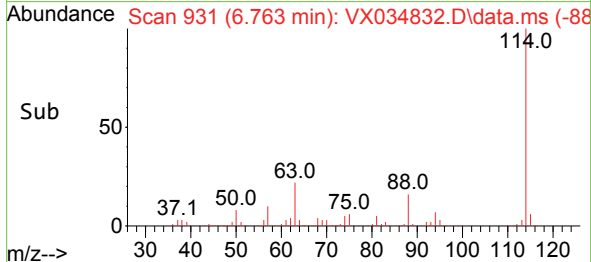
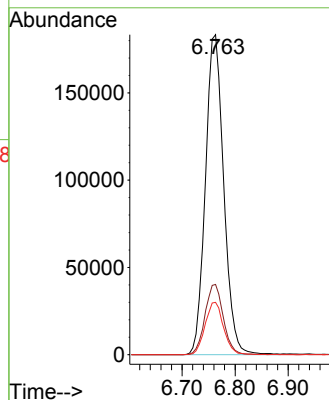
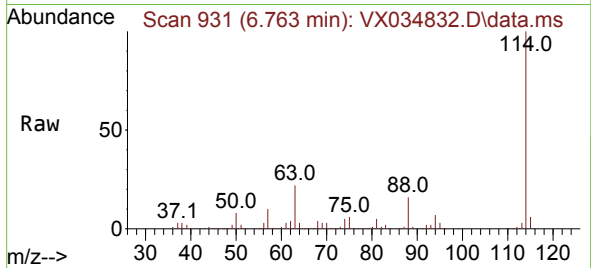




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

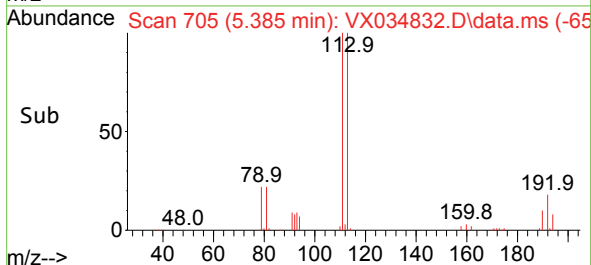
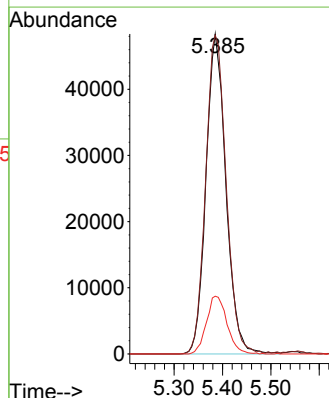
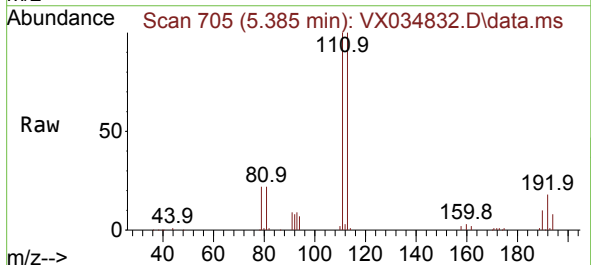
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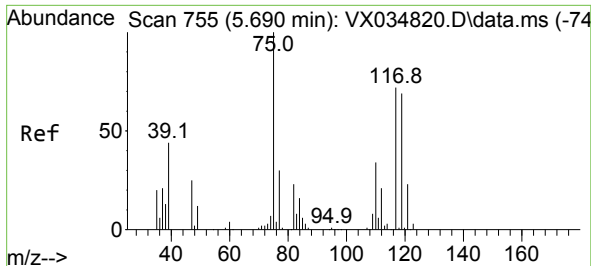
Tgt Ion:114 Resp: 440148
Ion Ratio Lower Upper
114 100
63 21.9 0.0 42.2
88 16.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.509 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

Tgt Ion:113 Resp: 138309
Ion Ratio Lower Upper
113 100
111 102.8 83.7 125.5
192 18.7 15.4 23.2

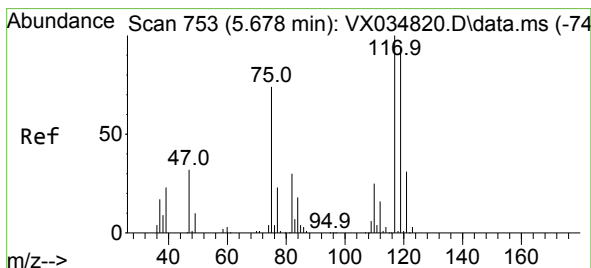
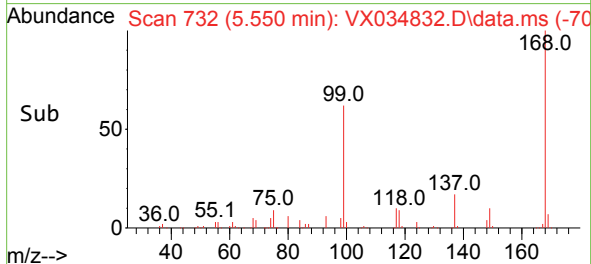
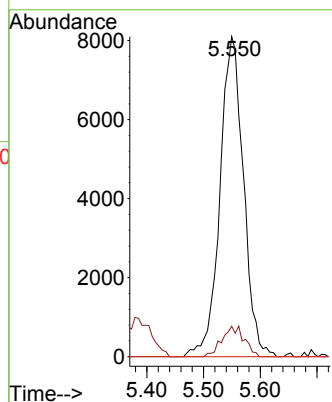
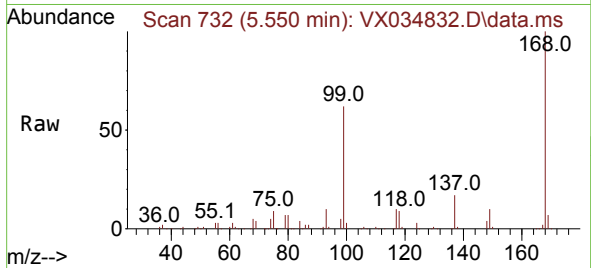




#36
1,1-Dichloropropene
Concen: 5.403 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

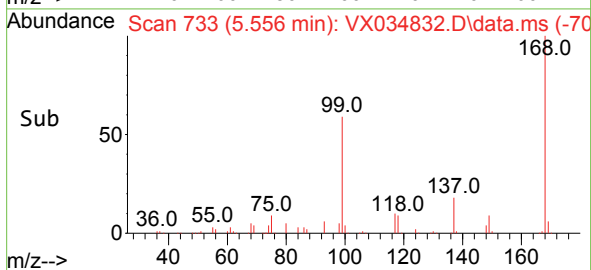
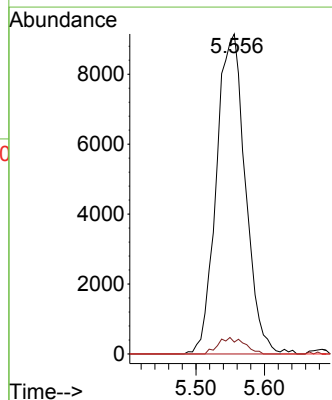
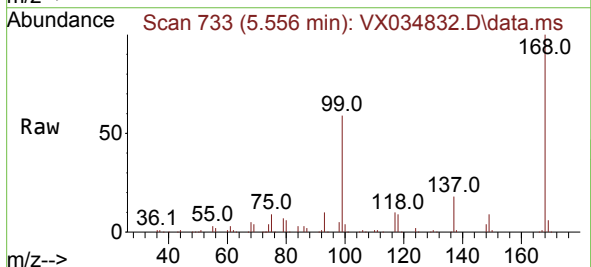
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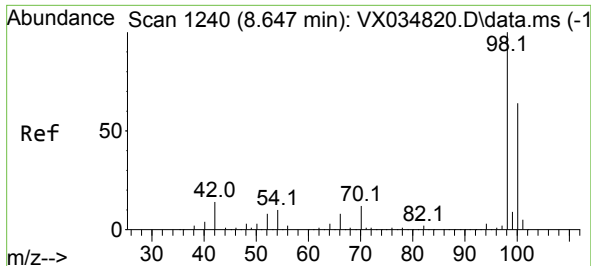
Tgt Ion: 75 Resp: 23303
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.584 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

Tgt Ion: 117 Resp: 26774
Ion Ratio Lower Upper
117 100
119 3.7 76.6 114.8#
121 0.0 23.8 35.6#

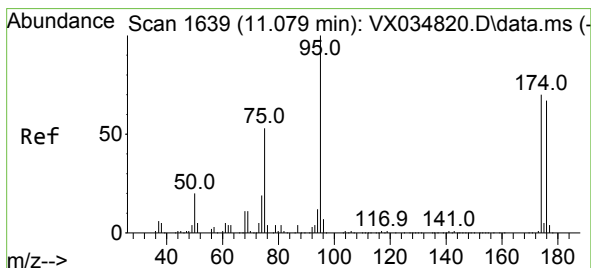
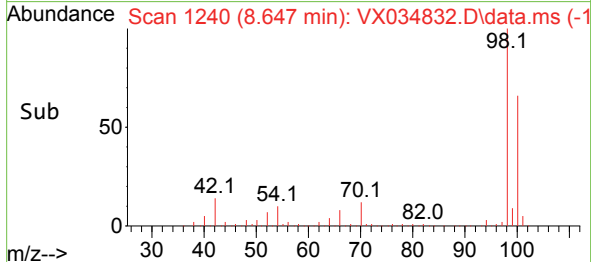
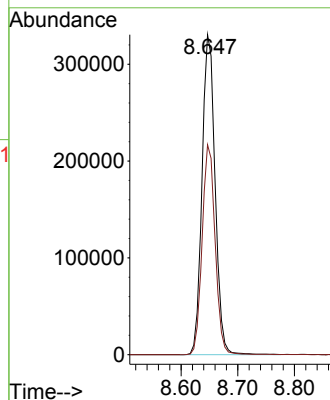
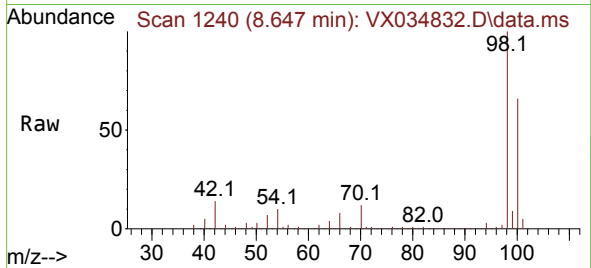




#50
Toluene-d8
Concen: 49.239 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

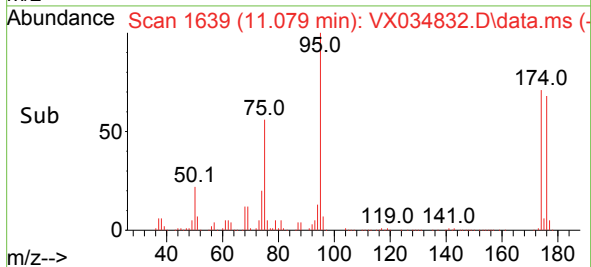
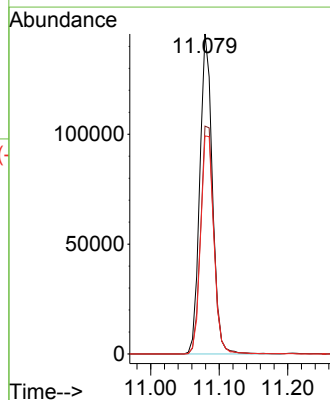
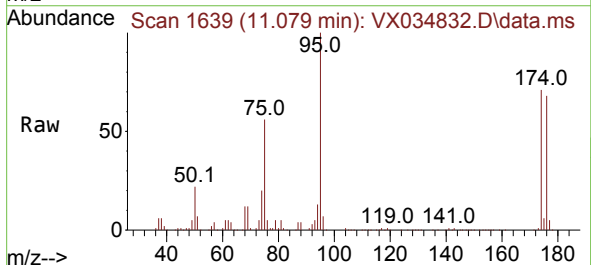
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

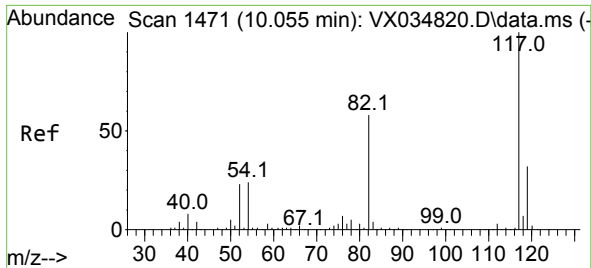
Tgt Ion: 98 Resp: 529096
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 44.781 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

Tgt Ion: 95 Resp: 186210
Ion Ratio Lower Upper
95 100
174 74.9 0.0 147.4
176 71.9 0.0 140.6

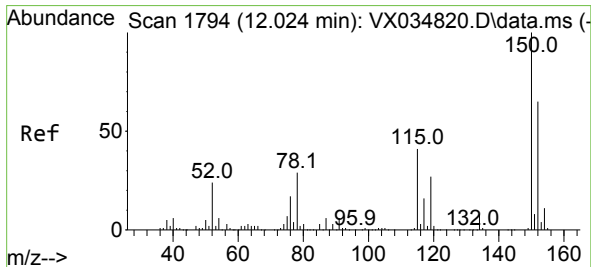
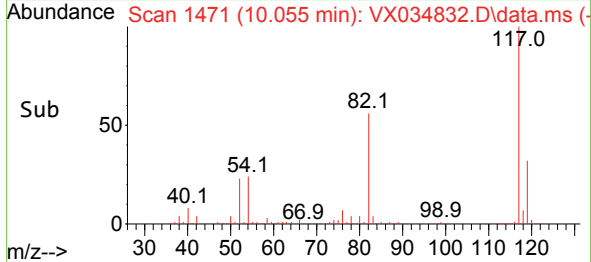
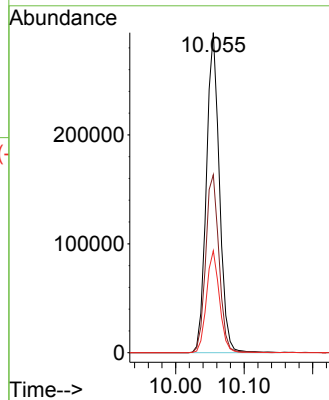
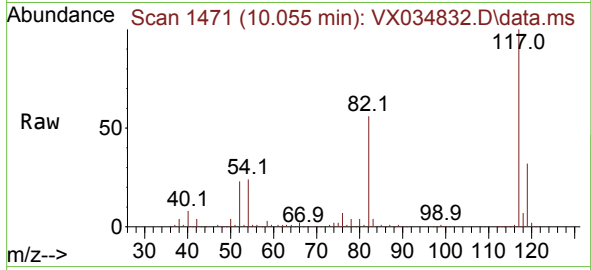




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

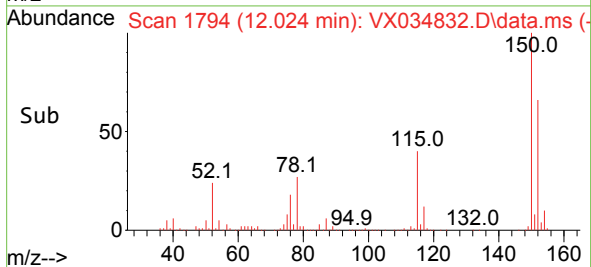
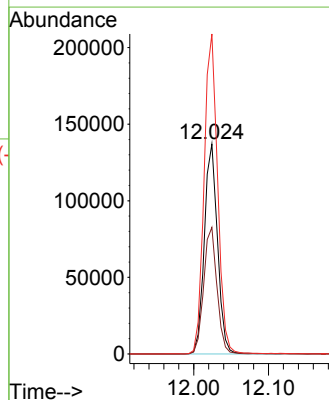
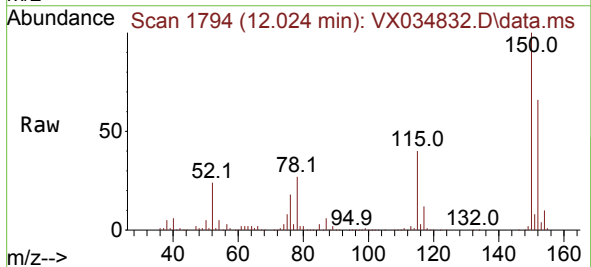
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

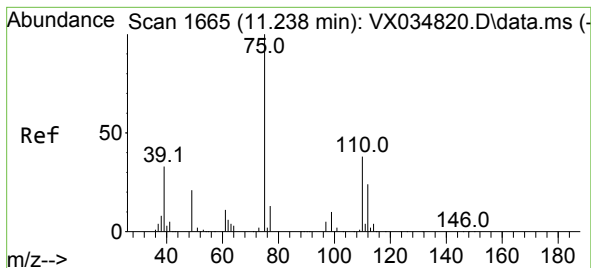
Tgt Ion:117 Resp: 388486
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.4
119 31.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034832.D
Acq: 29 Mar 2023 16:45

Tgt Ion:152 Resp: 167891
Ion Ratio Lower Upper
152 100
115 60.9 45.0 135.0
150 156.3 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 26.316 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034832.D

Acq: 29 Mar 2023 16:45

Instrument :

MSVOA_X

ClientSampleId :

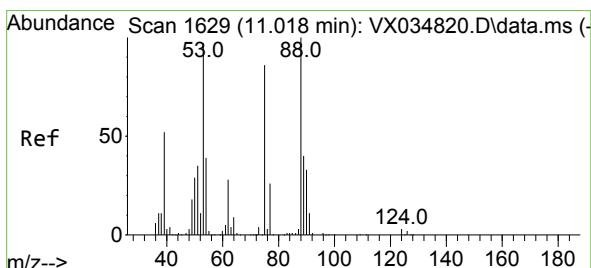
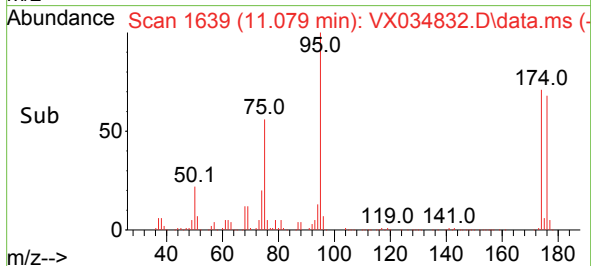
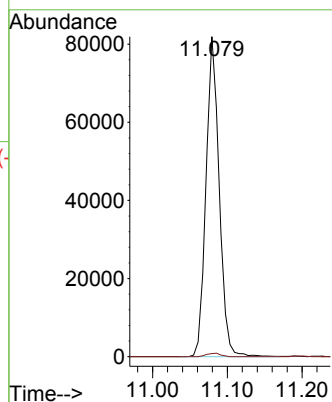
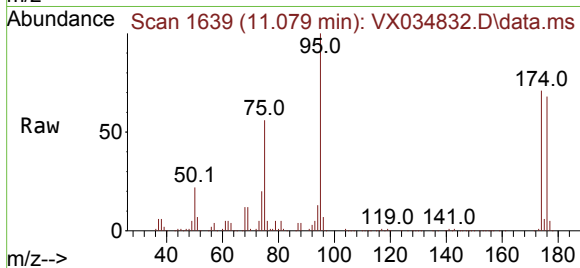
VIBLK

Tgt Ion: 75 Resp: 100547

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.076 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034832.D

Acq: 29 Mar 2023 16:45

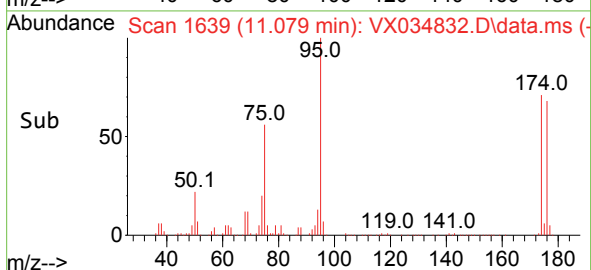
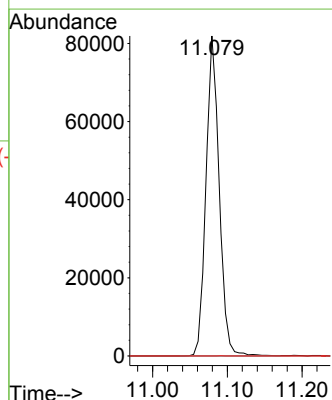
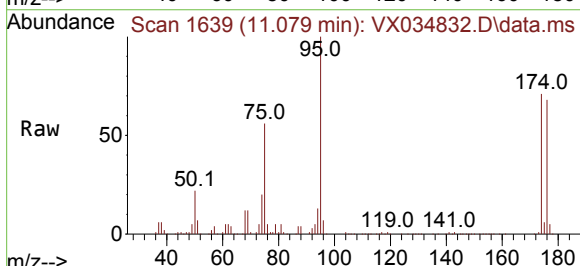
Tgt Ion: 75 Resp: 100547

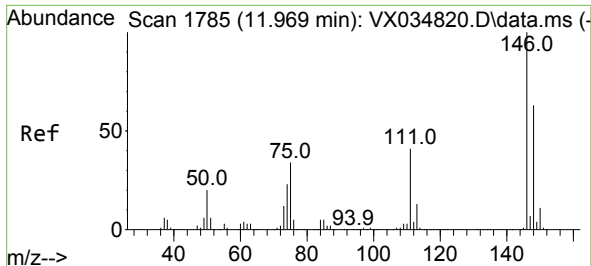
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.203 ug/l

RT: 11.975 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX034832.D

Acq: 29 Mar 2023 16:45

Instrument :

MSVOA_X

ClientSampleId :

VIBLK

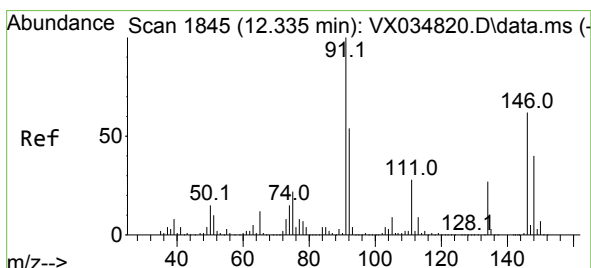
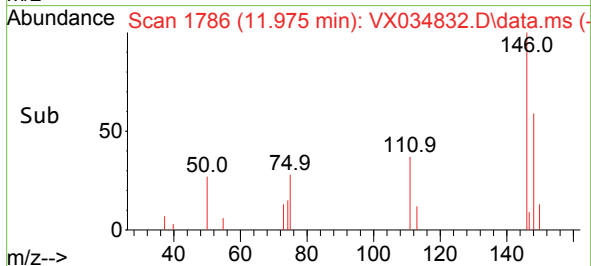
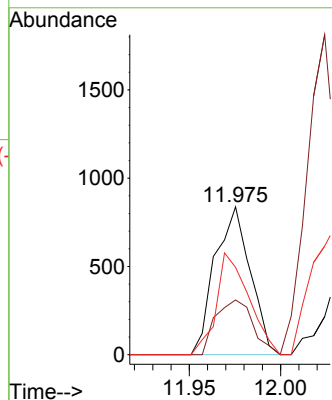
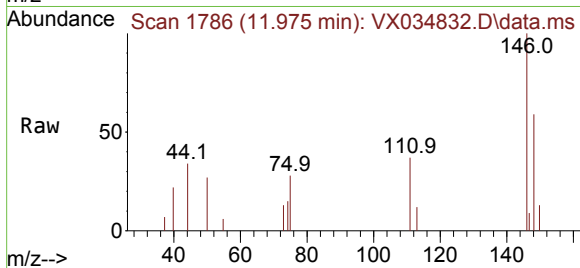
Tgt Ion:146 Resp: 1127

Ion Ratio Lower Upper

146 100

111 39.0 20.9 62.8

148 63.4 31.6 95.0



#91

1,2-Dichlorobenzene

Concen: 0.324 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX034832.D

Acq: 29 Mar 2023 16:45

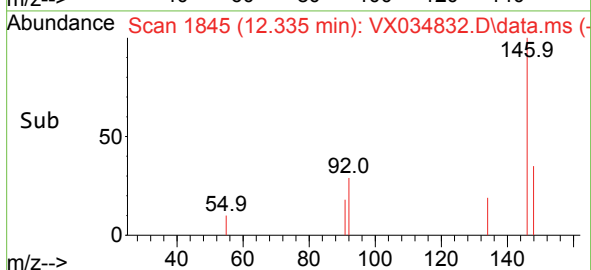
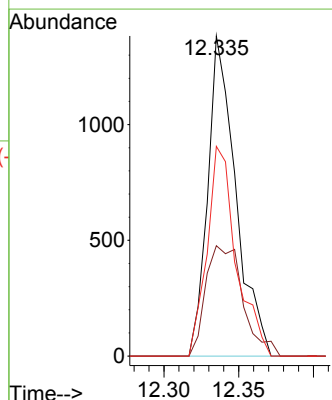
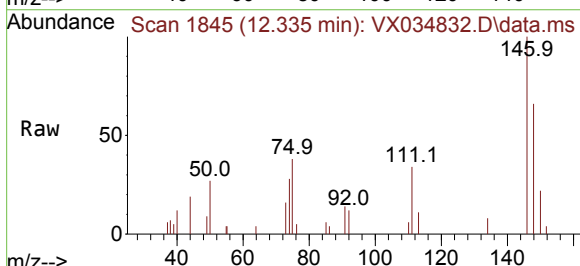
Tgt Ion:146 Resp: 1802

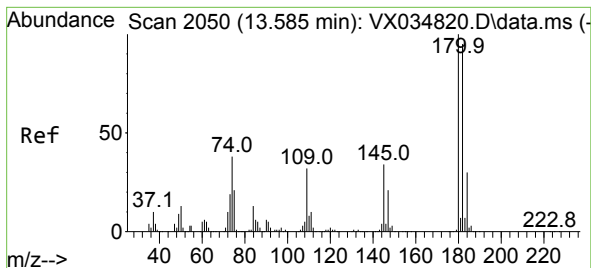
Ion Ratio Lower Upper

146 100

111 45.8 22.0 66.0

148 67.9 32.0 96.0





#93

1,2,4-Trichlorobenzene

Concen: 1.021 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX034832.D

Acq: 29 Mar 2023 16:45

Instrument :

MSVOA_X

ClientSampleId :

VIBLK

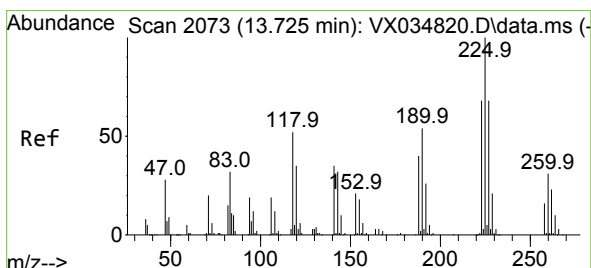
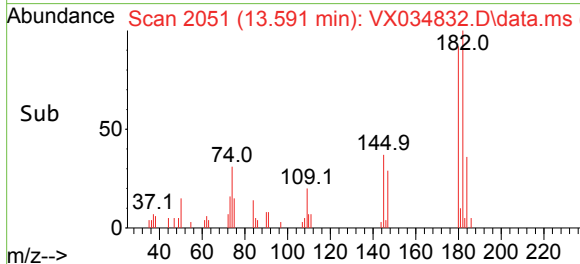
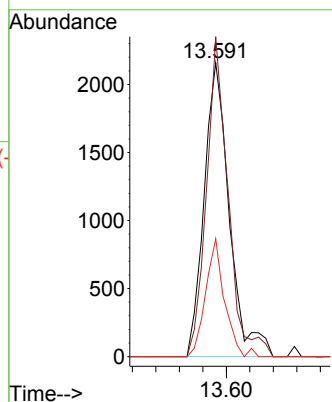
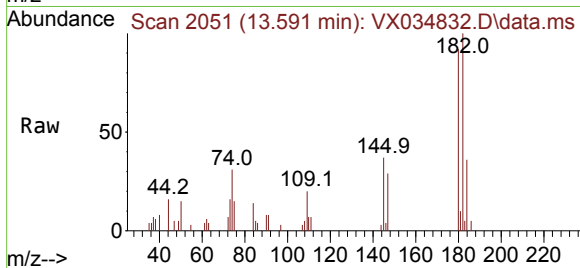
Tgt Ion:180 Resp: 3208

Ion Ratio Lower Upper

180 100

182 93.9 47.0 141.0

145 30.3 15.9 47.7



#94

Hexachlorobutadiene

Concen: 0.318 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX034832.D

Acq: 29 Mar 2023 16:45

Tgt Ion:225 Resp: 440

Ion Ratio Lower Upper

225 100

223 46.8 32.1 96.5

227 35.0 31.8 95.4

