

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032123\
 Data File : VX034645.D
 Acq On : 21 Mar 2023 09:45
 Operator : JC/MD
 Sample : VX0321MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321MBL01

Quant Time: Mar 22 02:00:15 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

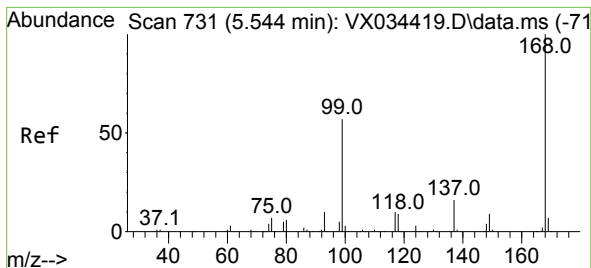
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	292786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	491412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	387275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	175223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	216036	50.719	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.440%
35) Dibromofluoromethane	5.379	113	159952	49.299	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.600%
50) Toluene-d8	8.647	98	525532	43.389	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	86.780%#
62) 4-Bromofluorobenzene	11.079	95	192198	39.285	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	78.580%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	305	Below Cal	#	42
11) Tert butyl alcohol	2.940	59	1763	1.988	ug/l #	76
13) Acrolein	2.239	56	410	0.584	ug/l	86
15) Acrylonitrile	3.068	53	720	0.376	ug/l	92
16) Acetone	2.380	43	1321	0.658	ug/l #	87
17) Carbon Disulfide	2.514	76	2623	0.291	ug/l #	87
31) Cyclohexane	5.550	56	7869	1.317	ug/l #	42
36) 1,1-Dichloropropene	5.550	75	26139	5.245	ug/l #	51
38) Carbon Tetrachloride	5.544	117	33006	6.658	ug/l #	16
49) 1,4-Dioxane	7.671	88	159	1.707	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	101411	25.206	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	101411	68.189	ug/l #	8
87) 1,3-Dichlorobenzene	11.969	146	1394	0.219	ug/l	75
88) 1,4-Dichlorobenzene	11.969	146	1394	0.217	ug/l	75
89) n-Butylbenzene	12.335	91	3043	0.291	ug/l	91
90) Hexachloroethane	12.542	117	448	0.206	ug/l #	56
93) 1,2,4-Trichlorobenzene	13.591	180	1996	0.519	ug/l	91
94) Hexachlorobutadiene	13.725	225	2169	1.399	ug/l	91
95) Naphthalene	13.780	128	5690	0.441	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.969	180	2289	0.609	ug/l #	83

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

Quant Time: Mar 22 02:00:15 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX034645.D

Acq: 21 Mar 2023 09:45

Instrument :

MSVOA_X

ClientSampleId :

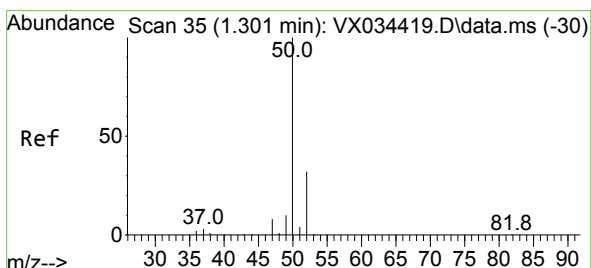
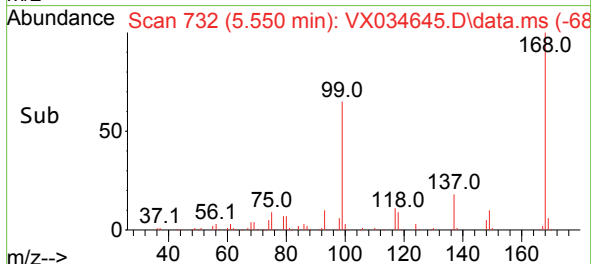
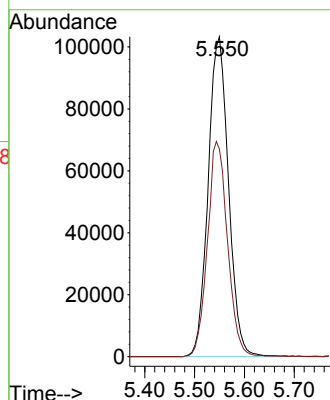
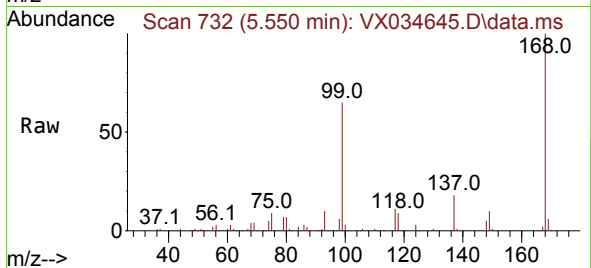
VX0321MBL01

Tgt Ion:168 Resp: 292786

Ion Ratio Lower Upper

168 100

99 64.9 45.7 68.5



#3

Chloromethane

Concen: Below Cal

RT: 1.294 min Scan# 34

Delta R.T. -0.007 min

Lab File: VX034645.D

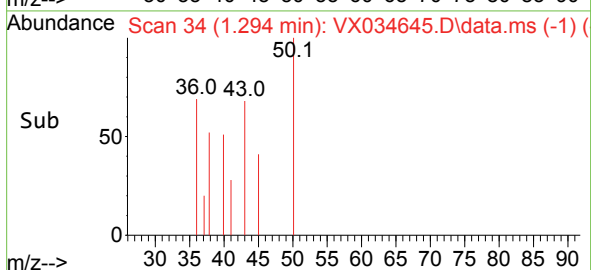
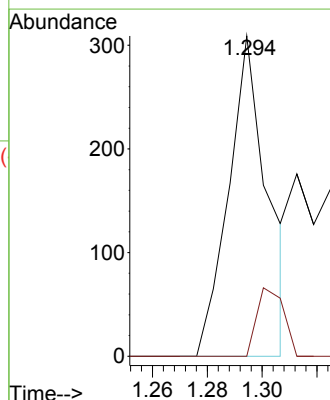
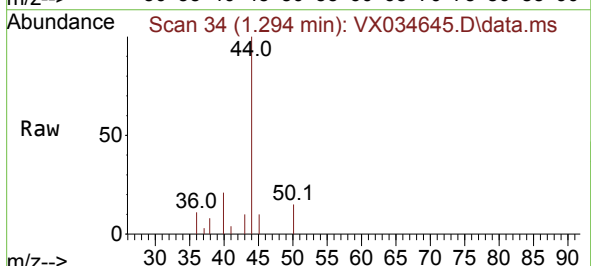
Acq: 21 Mar 2023 09:45

Tgt Ion: 50 Resp: 305

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#

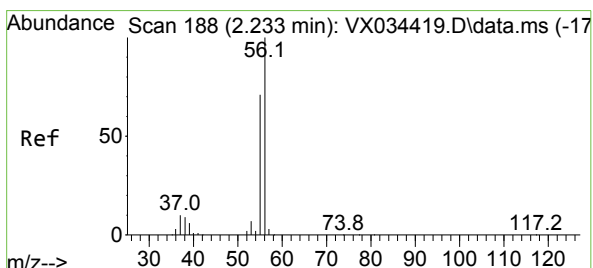
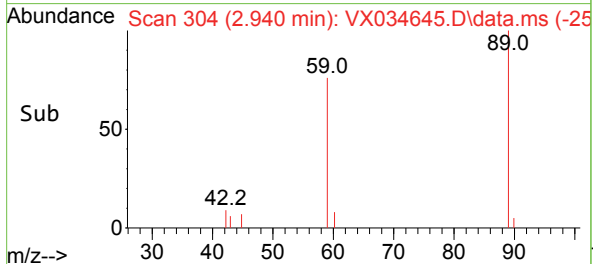
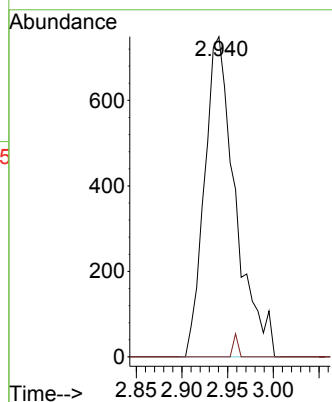
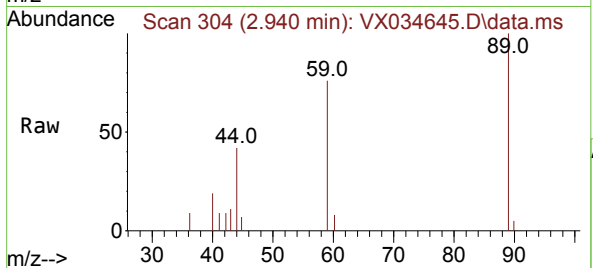




#11
Tert butyl alcohol
Concen: 1.988 ug/l
RT: 2.940 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

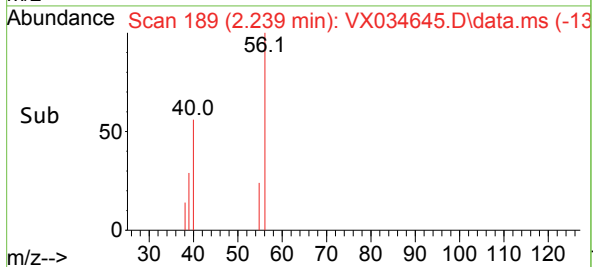
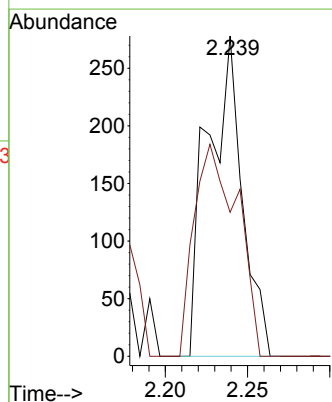
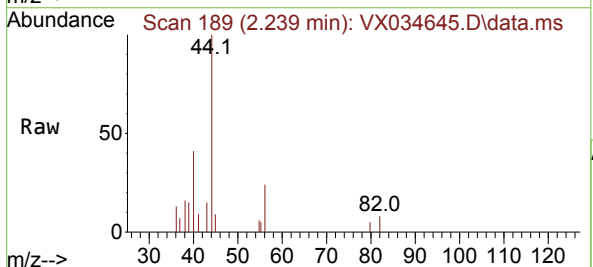
Instrument :
MSVOA_X
ClientSampleId :
VX0321MBL01

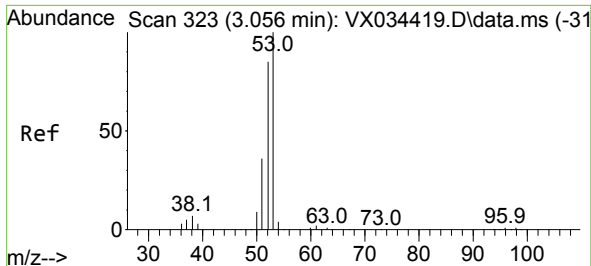
Tgt Ion: 59 Resp: 1763
Ion Ratio Lower Upper
59 100
57 1.1 8.1 12.1#



#13
Acrolein
Concen: 0.584 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

Tgt Ion: 56 Resp: 410
Ion Ratio Lower Upper
56 100
55 82.4 56.6 85.0

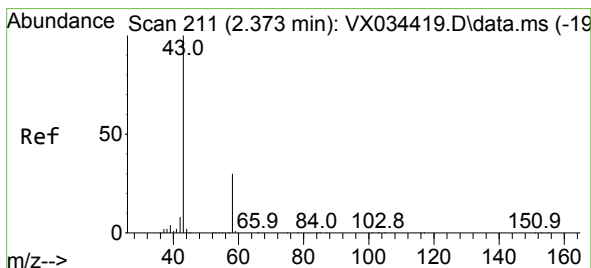
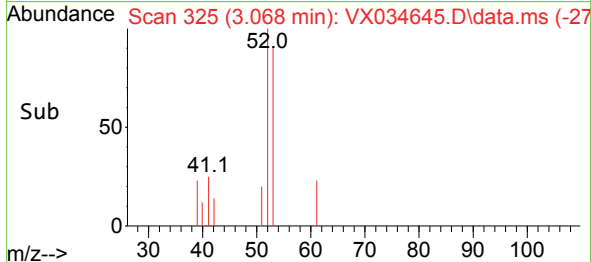
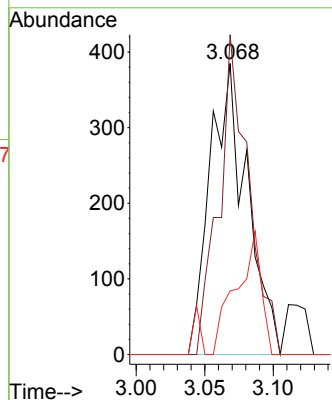
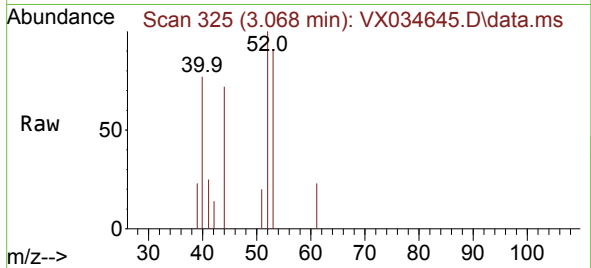




#15
Acrylonitrile
Concen: 0.376 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

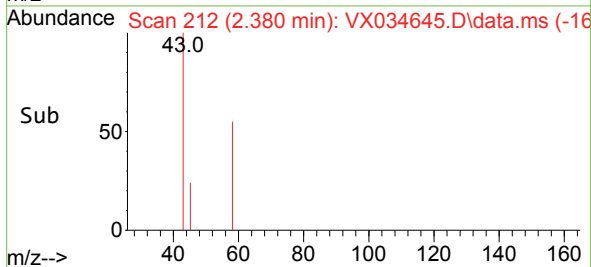
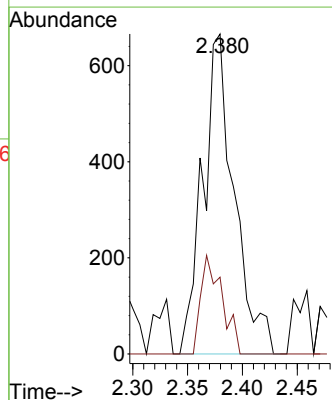
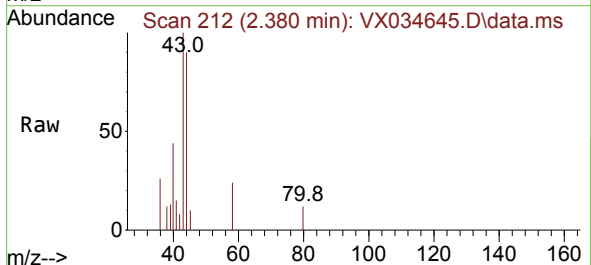
Instrument :
MSVOA_X
ClientSampleId :
VX0321MBL01

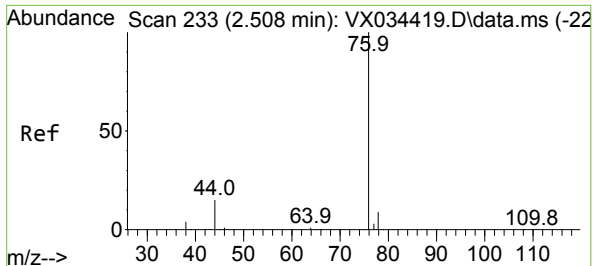
Tgt Ion: 53	Resp: 720
Ion Ratio	Lower Upper
53 100	
52 88.9	66.2 99.2
51 28.7	28.3 42.5



#16
Acetone
Concen: 0.658 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

Tgt Ion: 43	Resp:	1321	
Ion Ratio	Lower	Upper	
43	100		
58	24.0	24.7	37.1#

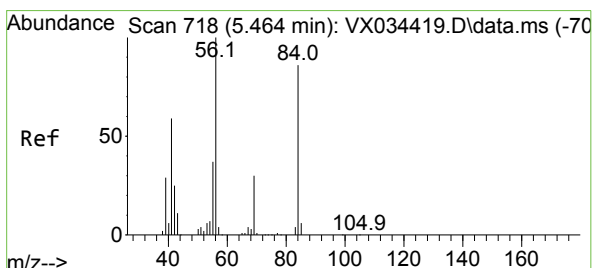
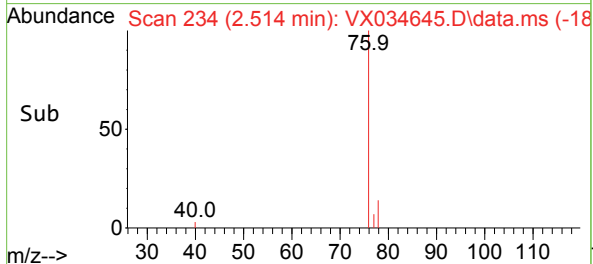
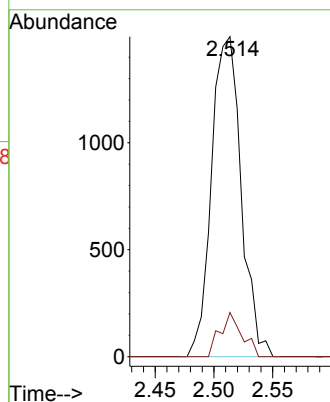
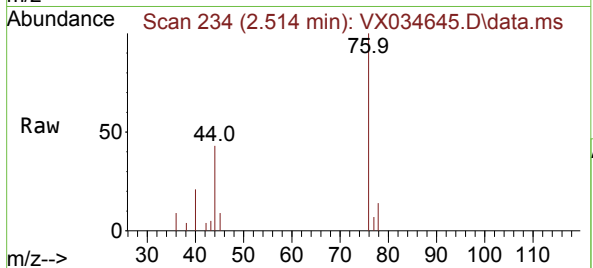




#17
Carbon Disulfide
Concen: 0.291 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

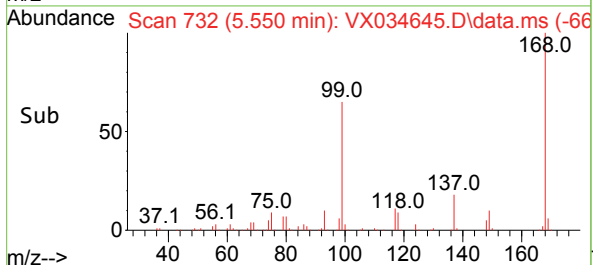
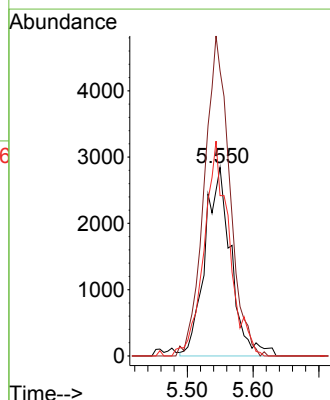
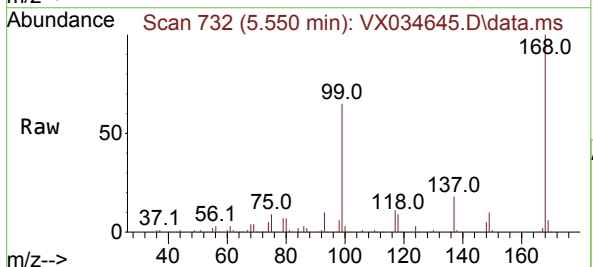
Instrument :
MSVOA_X
ClientSampleId :
VX0321MBL01

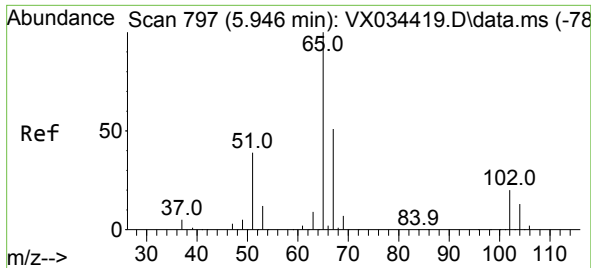
Tgt Ion: 76 Resp: 2623
Ion Ratio Lower Upper
76 100
78 13.8 7.2 10.8#



#31
Cyclohexane
Concen: 1.317 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

Tgt Ion: 56 Resp: 7869
Ion Ratio Lower Upper
56 100
69 151.3 23.7 35.5#
84 85.1 68.5 102.7

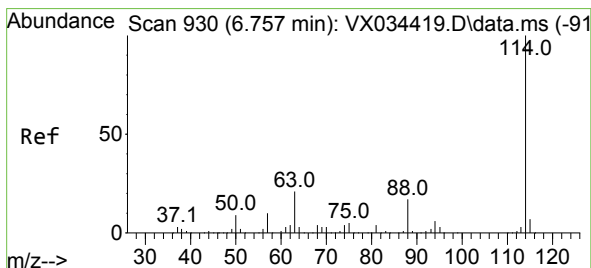
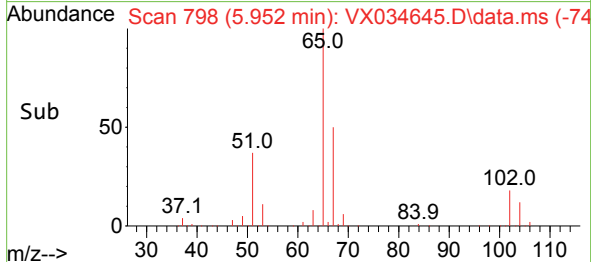
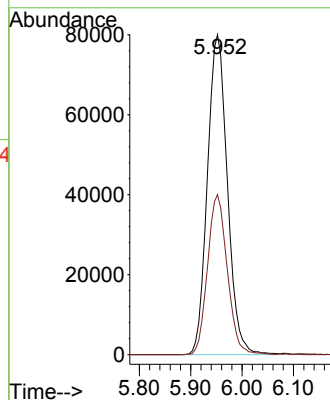
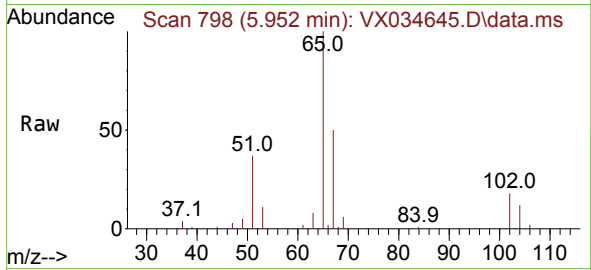




#33
 1,2-Dichloroethane-d4
 Concen: 50.719 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX034645.D
 Acq: 21 Mar 2023 09:45

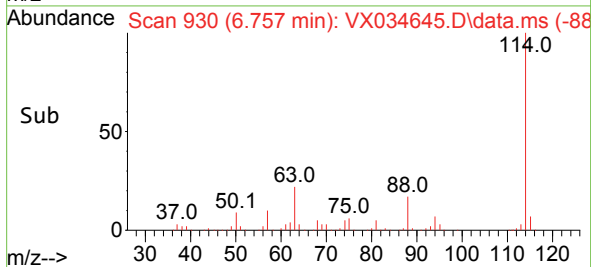
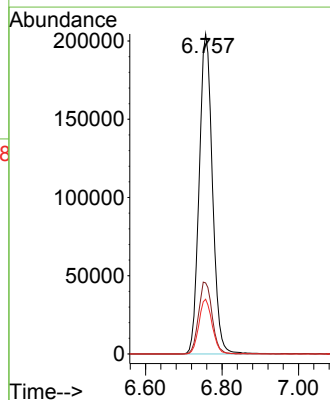
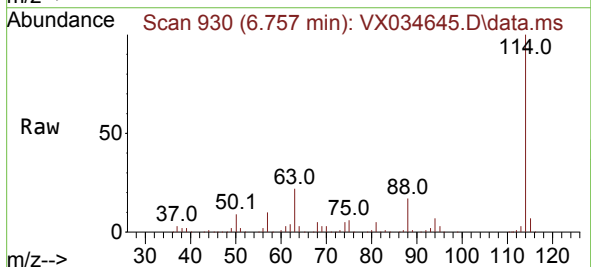
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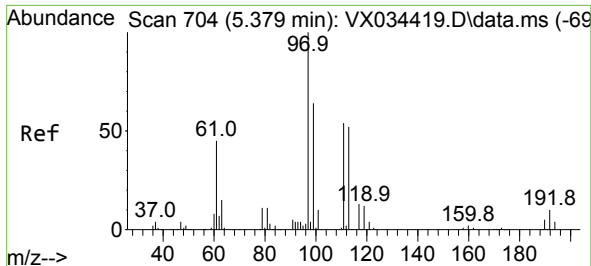
Tgt Ion: 65 Resp: 216036
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX034645.D
 Acq: 21 Mar 2023 09:45

Tgt Ion: 114 Resp: 491412
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 42.2
 88 17.1 0.0 33.2

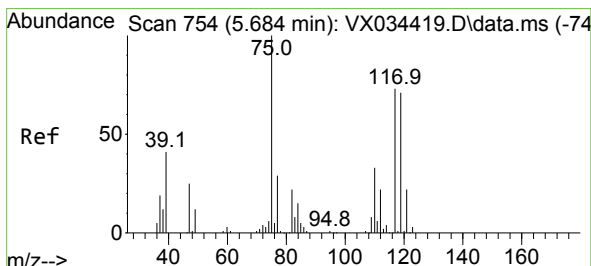
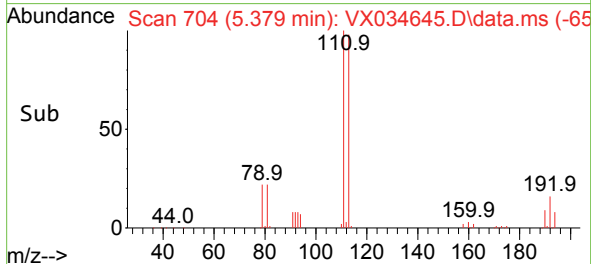
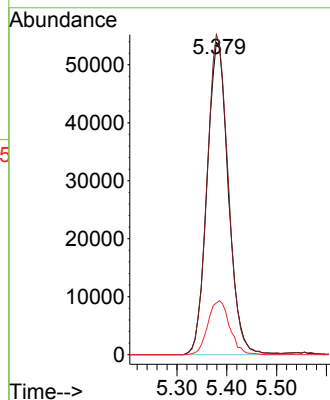
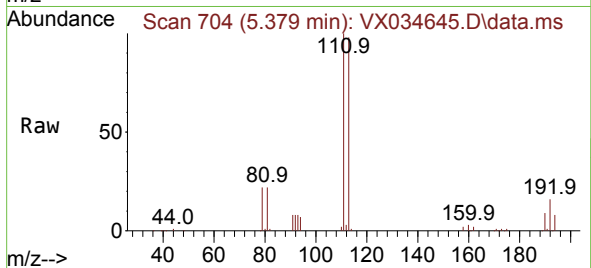




#35
Dibromofluoromethane
Concen: 49.299 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

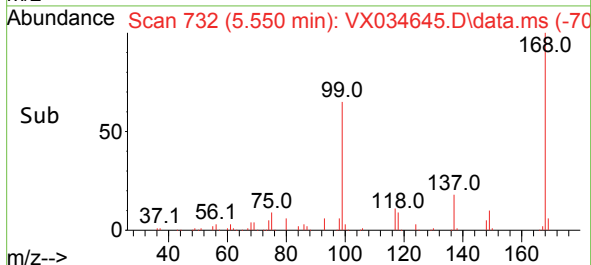
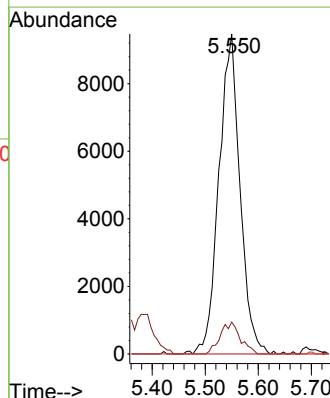
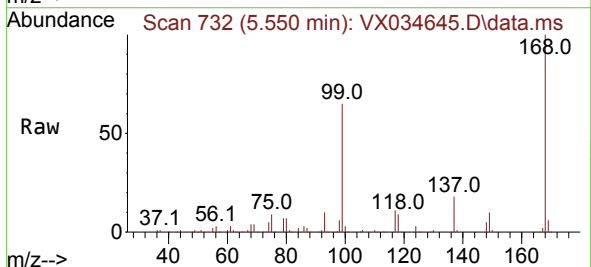
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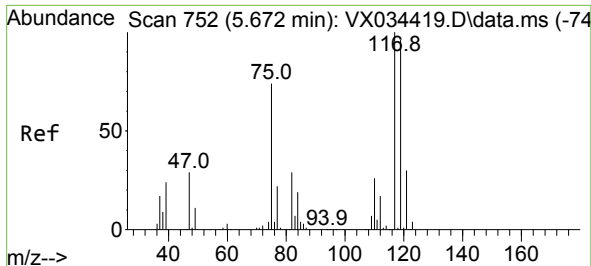
Tgt Ion:113 Resp: 159952
Ion Ratio Lower Upper
113 100
111 101.5 83.7 125.5
192 17.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.245 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

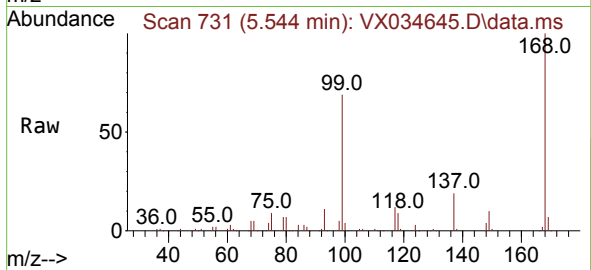
Tgt Ion: 75 Resp: 26139
Ion Ratio Lower Upper
75 100
110 9.5 17.5 52.5#
77 0.0 24.3 36.5#



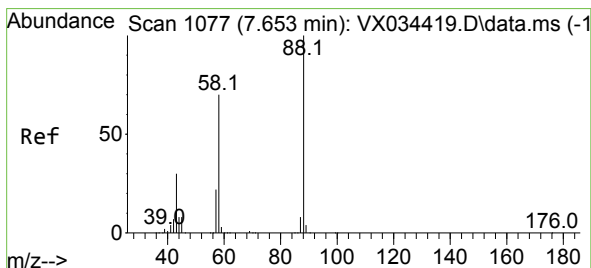
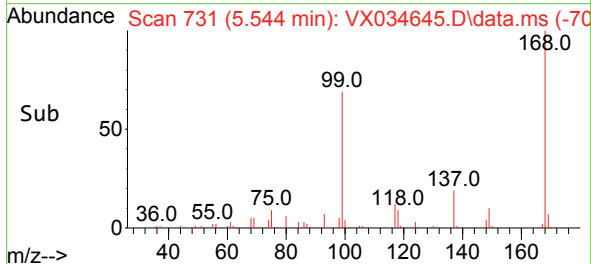
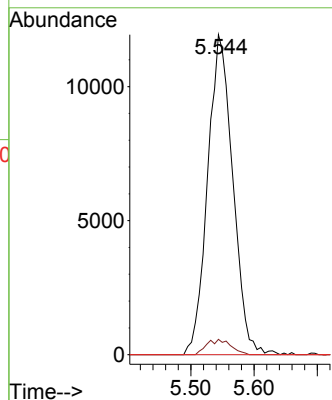


#38
Carbon Tetrachloride
Concen: 6.658 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

Instrument :
MSVOA_X
ClientSampleId :
VX0321MBL01

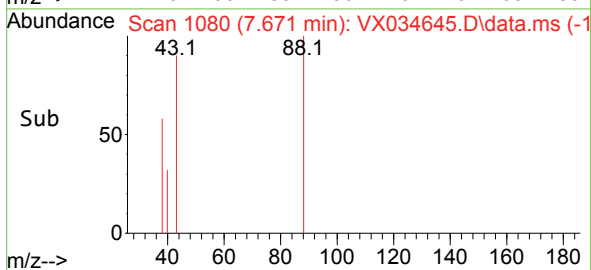
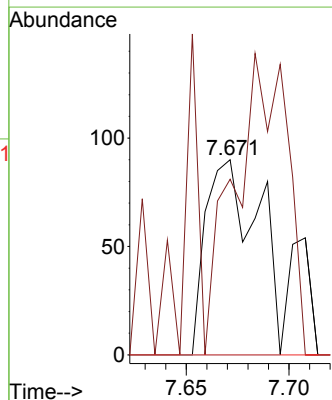
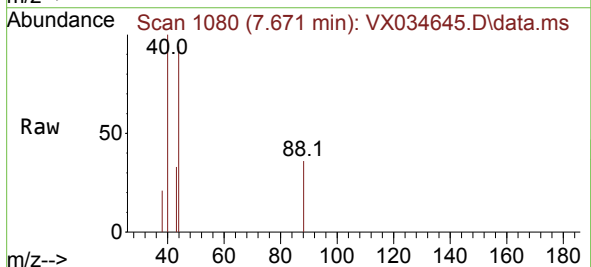


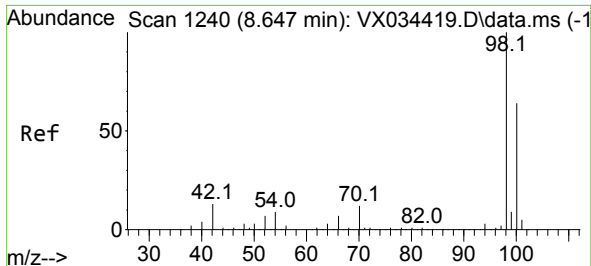
Tgt Ion:117 Resp: 33006
Ion Ratio Lower Upper
117 100
119 4.8 76.6 114.8#
121 0.0 23.8 35.6#



#49
1,4-Dioxane
Concen: 1.707 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.018 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

Tgt Ion: 88 Resp: 159
Ion Ratio Lower Upper
88 100
43 139.6 27.7 41.5#
58 0.0 56.8 85.2#

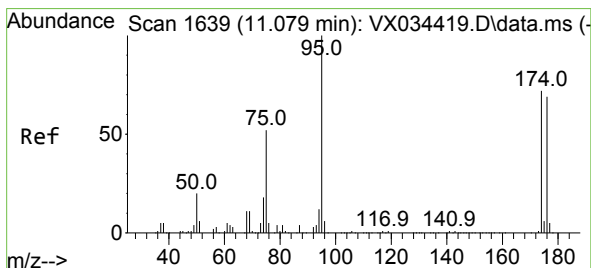
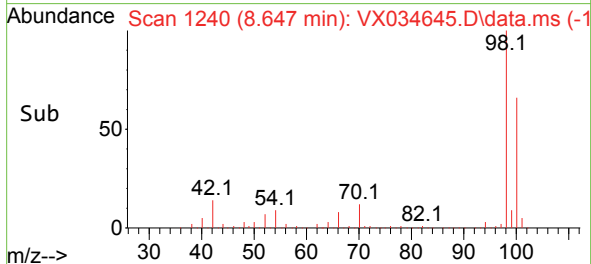
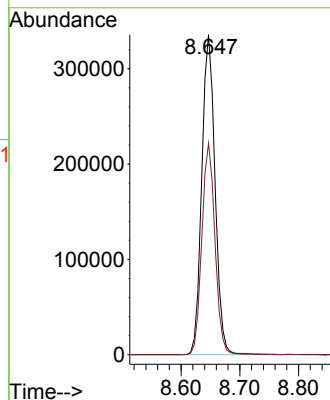
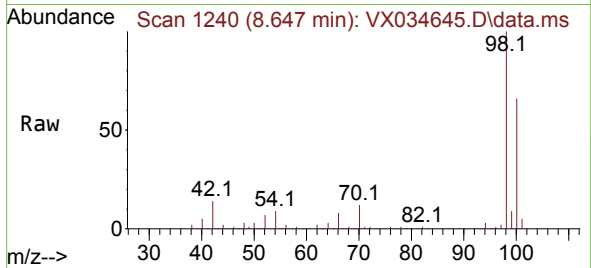




#50
Toluene-d8
Concen: 43.389 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

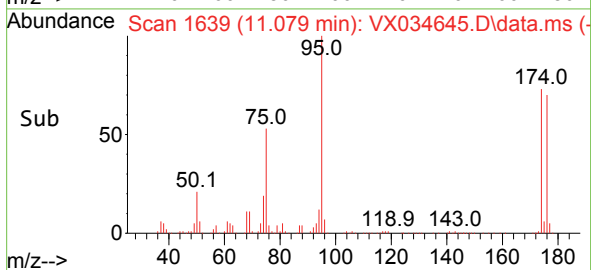
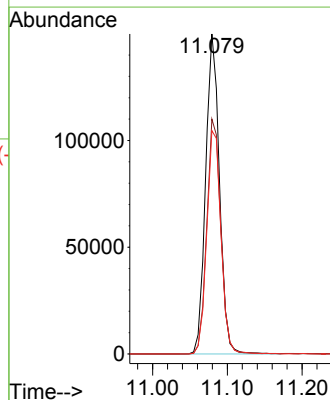
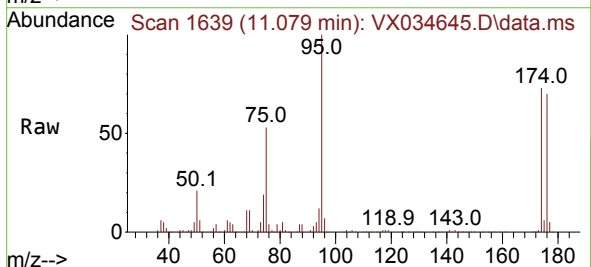
Instrument :
MSVOA_X
ClientSampleId :
VX0321MBL01

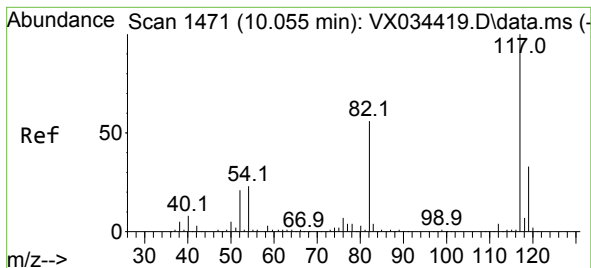
Tgt Ion: 98 Resp: 525532
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 39.285 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

Tgt Ion: 95 Resp: 192198
Ion Ratio Lower Upper
95 100
174 74.7 0.0 147.4
176 72.0 0.0 140.6

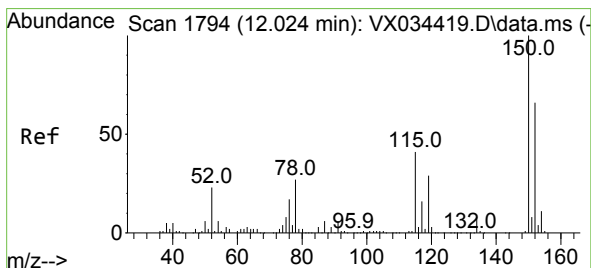
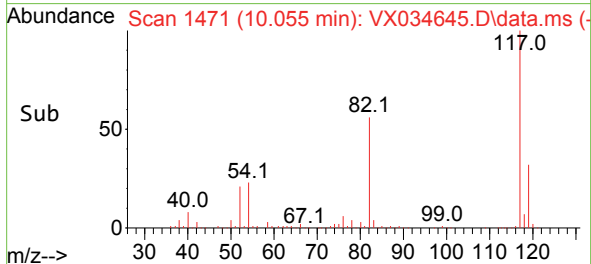
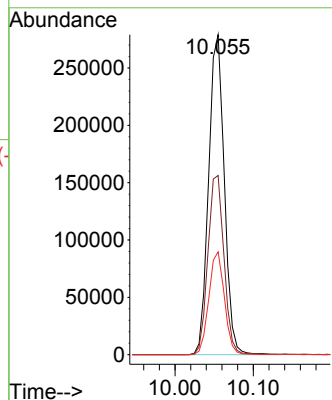
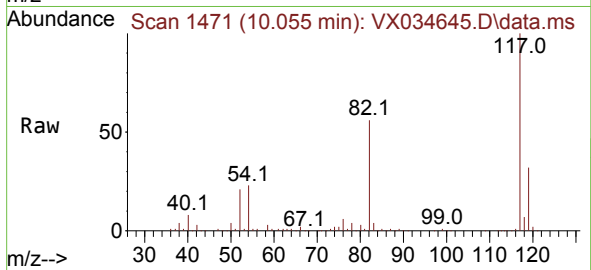




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

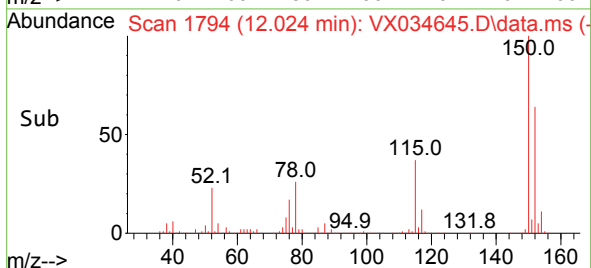
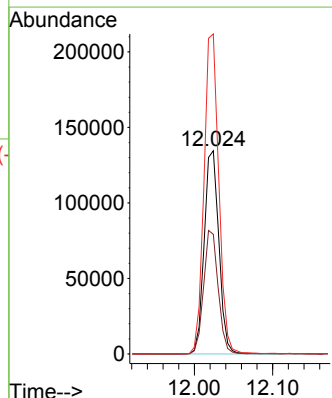
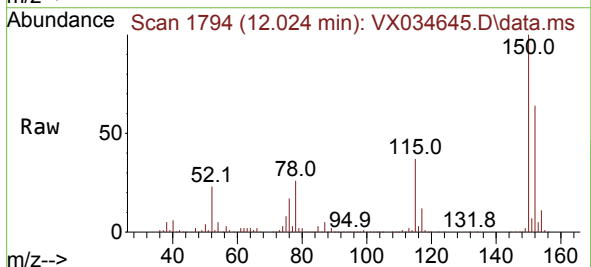
Instrument :
MSVOA_X
ClientSampleId :
VX0321MBL01

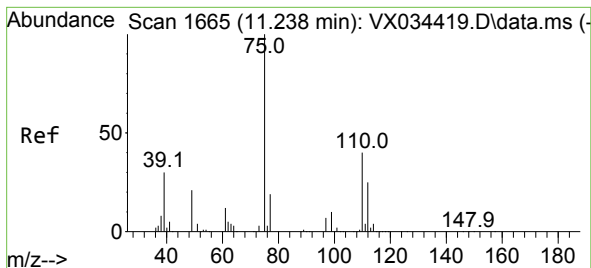
Tgt Ion:117 Resp: 387275
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.4
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034645.D
Acq: 21 Mar 2023 09:45

Tgt Ion:152 Resp: 175223
Ion Ratio Lower Upper
152 100
115 60.2 45.0 135.0
150 158.4 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 25.206 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034645.D

Acq: 21 Mar 2023 09:45

Instrument :

MSVOA_X

ClientSampleId :

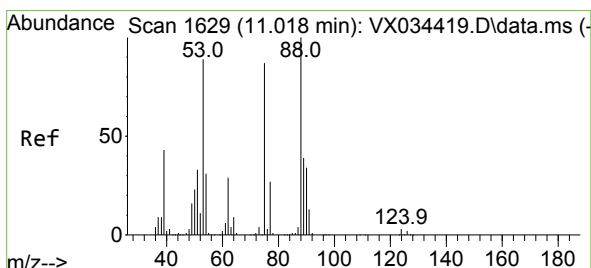
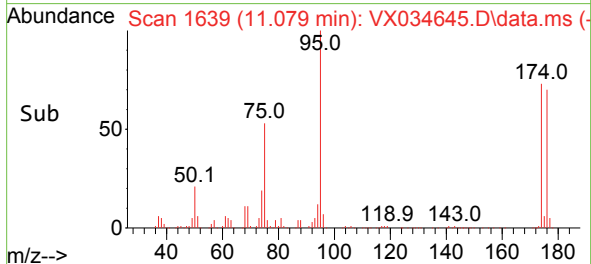
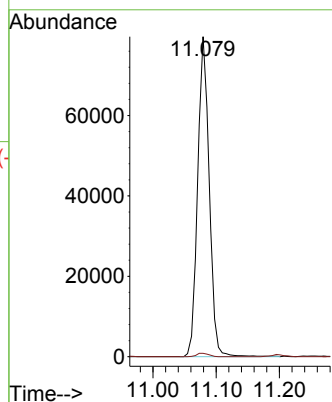
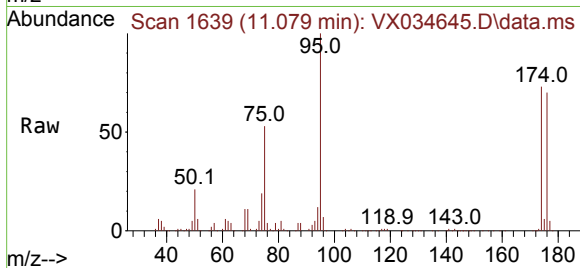
VX0321MBL01

Tgt Ion: 75 Resp: 101411

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.189 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034645.D

Acq: 21 Mar 2023 09:45

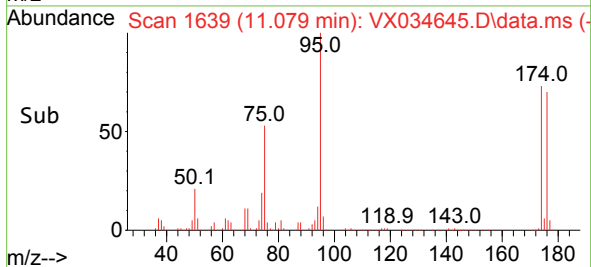
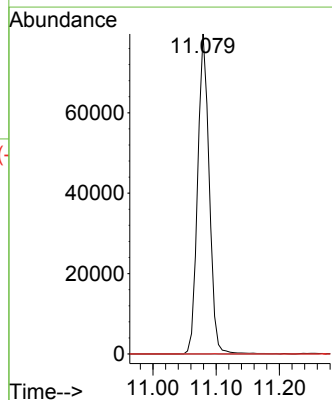
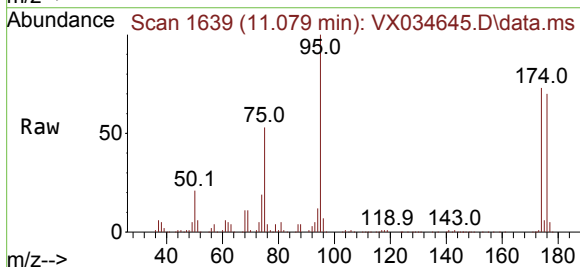
Tgt Ion: 75 Resp: 101411

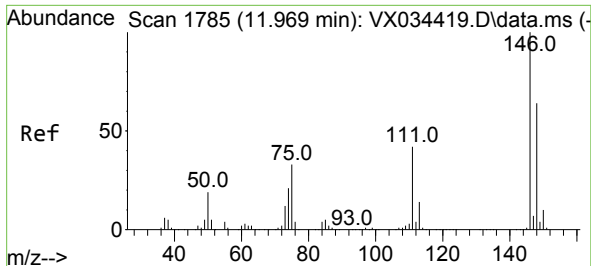
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.219 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX034645.D

Acq: 21 Mar 2023 09:45

Instrument :

MSVOA_X

ClientSampleId :

VX0321MBL01

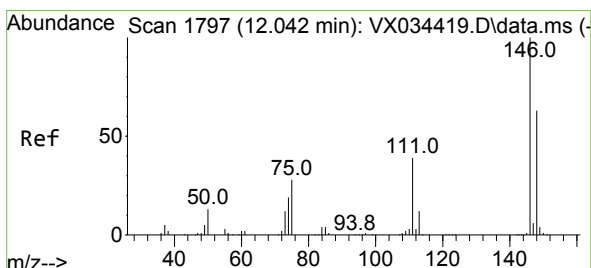
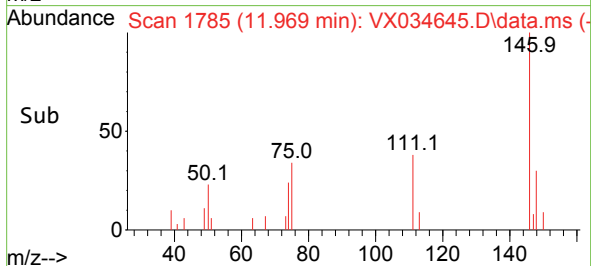
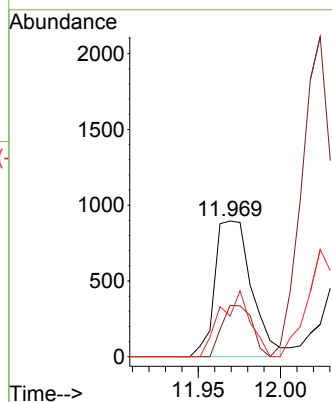
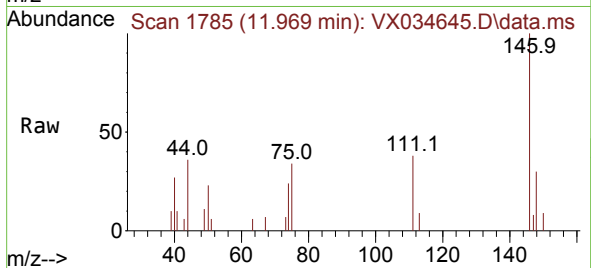
Tgt Ion:146 Resp: 1394

Ion Ratio Lower Upper

146 100

111 31.0 20.9 62.8

148 39.7 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 0.217 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX034645.D

Acq: 21 Mar 2023 09:45

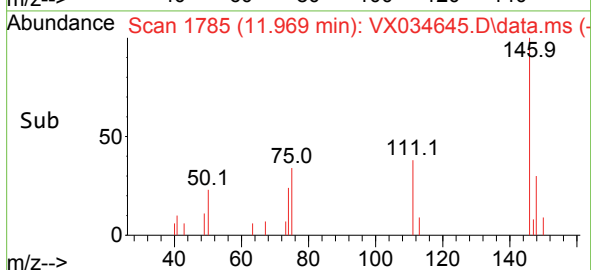
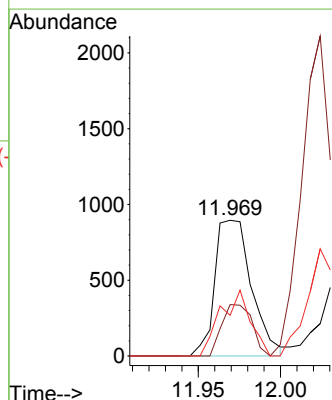
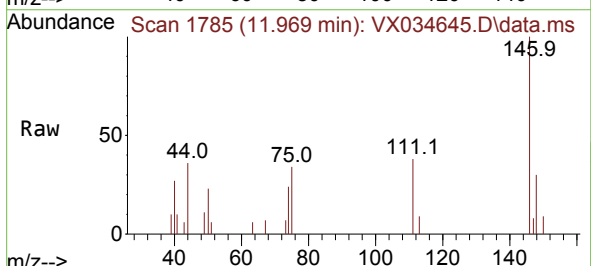
Tgt Ion:146 Resp: 1394

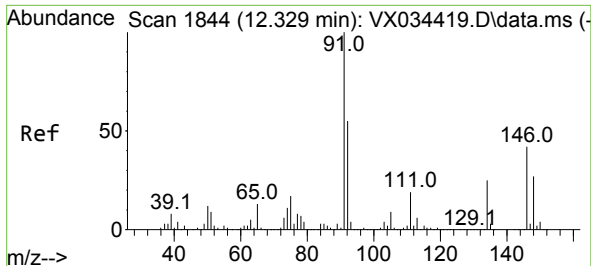
Ion Ratio Lower Upper

146 100

111 31.0 20.6 61.9

148 39.7 31.8 95.4





#89

n-Butylbenzene

Concen: 0.291 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX034645.D

Acq: 21 Mar 2023 09:45

Instrument :

MSVOA_X

ClientSampleId :

VX0321MBL01

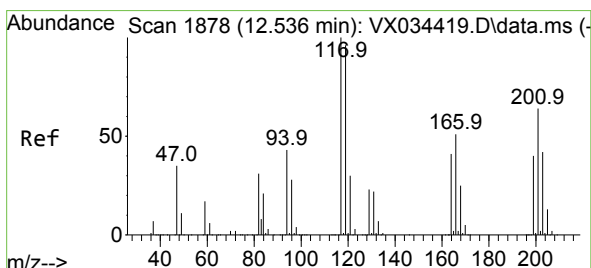
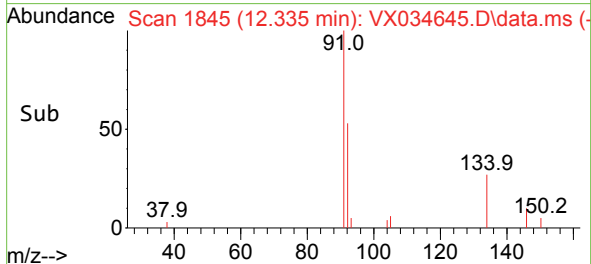
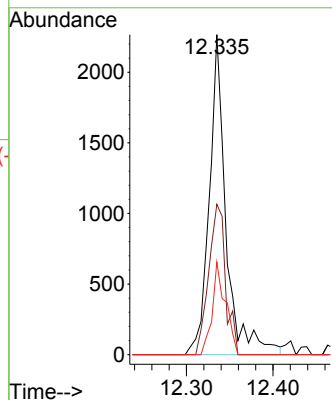
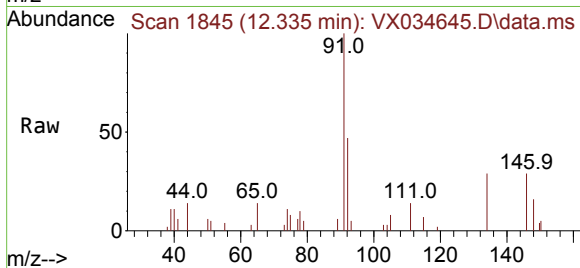
Tgt Ion: 91 Resp: 3043

Ion Ratio Lower Upper

91 100

92 47.4 27.7 83.0

134 23.1 13.0 38.9



#90

Hexachloroethane

Concen: 0.206 ug/l

RT: 12.542 min Scan# 1879

Delta R.T. 0.006 min

Lab File: VX034645.D

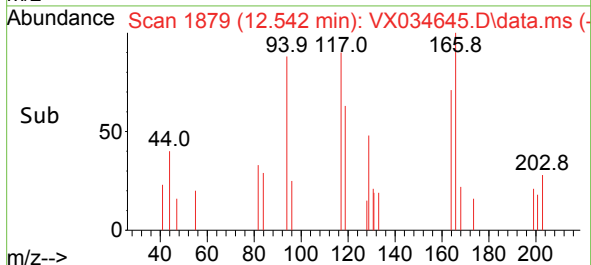
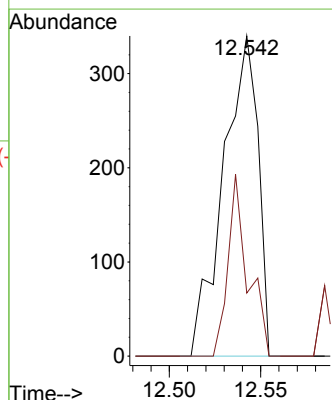
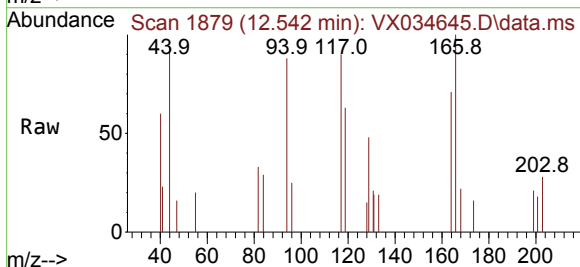
Acq: 21 Mar 2023 09:45

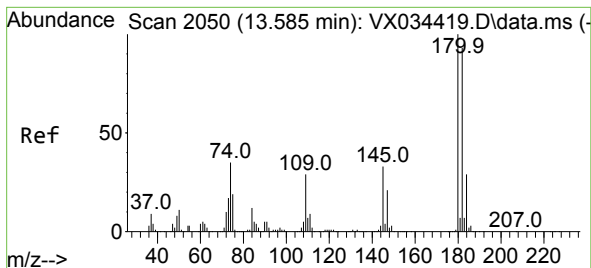
Tgt Ion: 117 Resp: 448

Ion Ratio Lower Upper

117 100

201 32.6 34.4 103.1#





#93

1,2,4-Trichlorobenzene

Concen: 0.519 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX034645.D

Acq: 21 Mar 2023 09:45

Instrument :

MSVOA_X

ClientSampleId :

VX0321MBL01

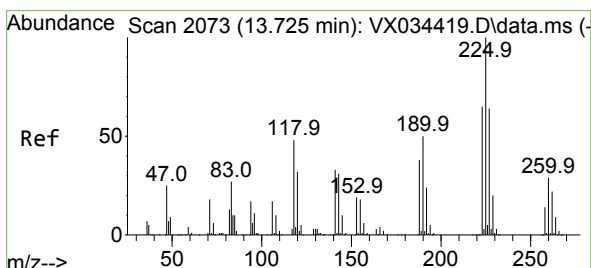
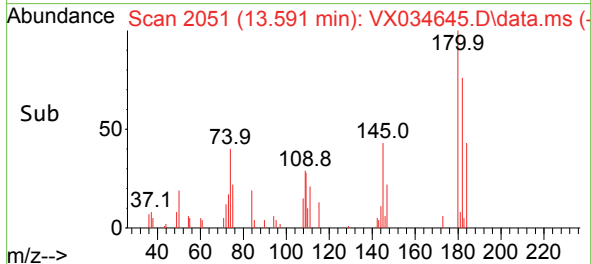
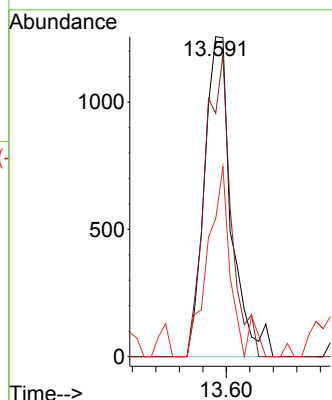
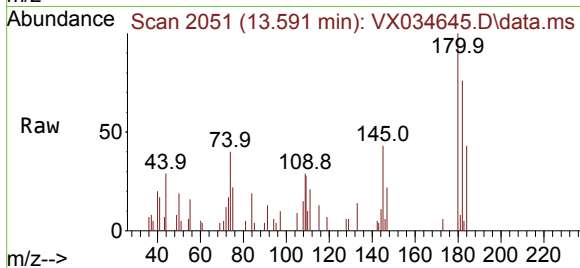
Tgt Ion:180 Resp: 1996

Ion Ratio Lower Upper

180 100

182 91.3 47.0 141.0

145 47.2 15.9 47.7



#94

Hexachlorobutadiene

Concen: 1.399 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX034645.D

Acq: 21 Mar 2023 09:45

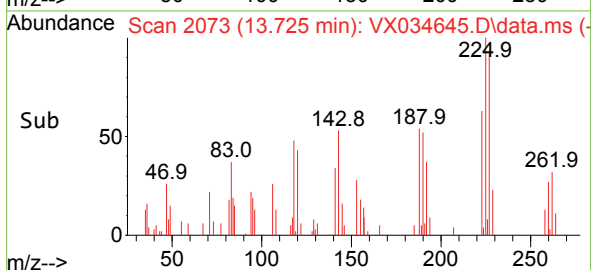
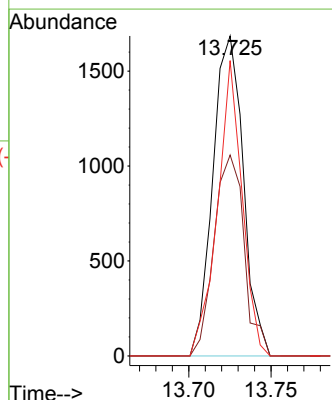
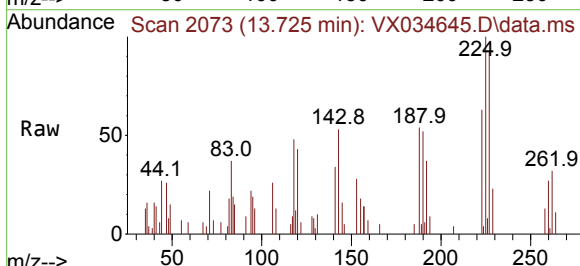
Tgt Ion:225 Resp: 2169

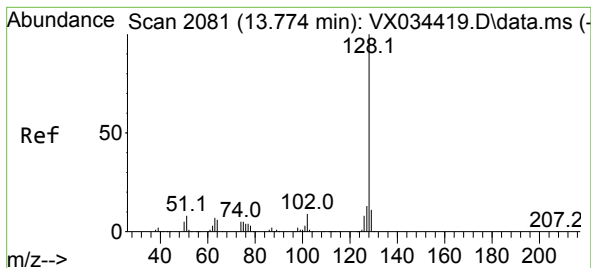
Ion Ratio Lower Upper

225 100

223 62.1 32.1 96.5

227 74.8 31.8 95.4





#95

Naphthalene

Concen: 0.441 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX034645.D

Acq: 21 Mar 2023 09:45

Instrument :

MSVOA_X

ClientSampleId :

VX0321MBL01

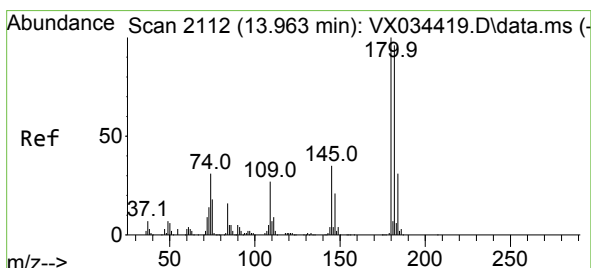
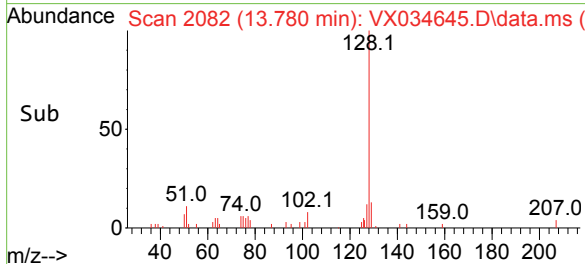
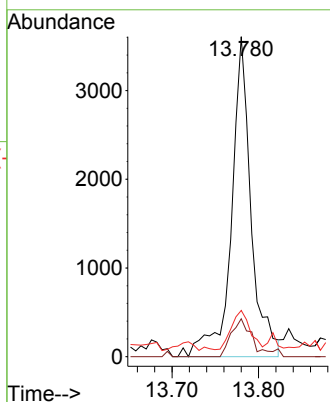
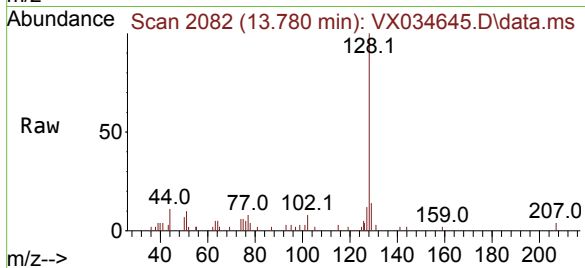
Tgt Ion:128 Resp: 5690

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 16.1 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.609 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX034645.D

Acq: 21 Mar 2023 09:45

Tgt Ion:180 Resp: 2289

Ion Ratio Lower Upper

180 100

182 94.7 48.0 144.2

145 69.2 17.7 53.1#

