

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072723\
 Data File : VX036669.D
 Acq On : 27 Jul 2023 12:09
 Operator : JC/MD
 Sample : VX0727WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 28 06:09:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

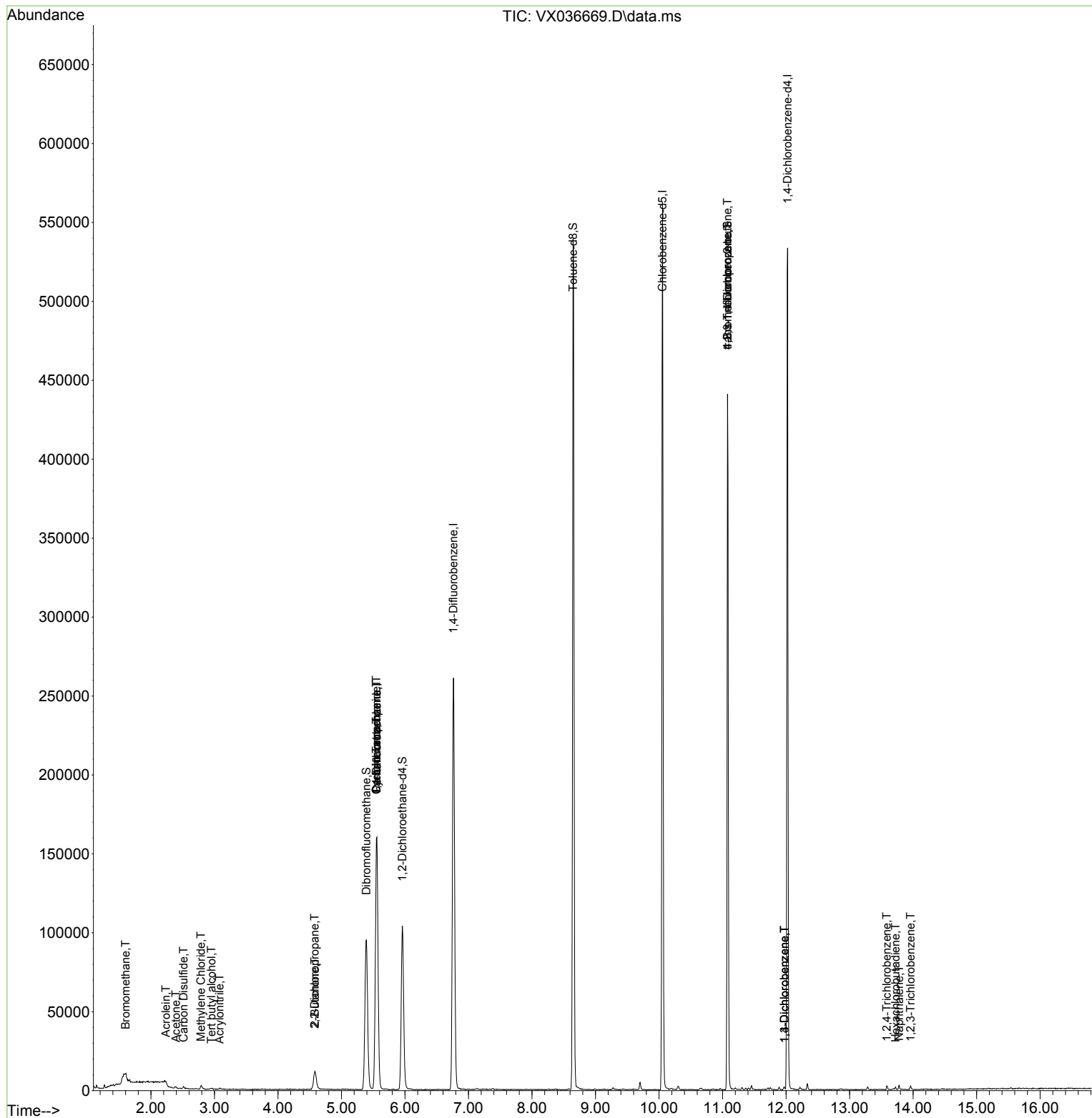
Internal Standards						
1) Pentafluorobenzene	5.556	168	150178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	266091	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100074	45.036	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.080%
35) Dibromofluoromethane	5.391	113	85525	46.762	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.520%
50) Toluene-d8	8.647	98	321280	49.535	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.080%
62) 4-Bromofluorobenzene	11.079	95	120280	49.154	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.300%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	371	0.338	ug/l #	42
11) Tert butyl alcohol	2.953	59	550	1.045	ug/l #	88
13) Acrolein	2.233	56	348	1.159	ug/l #	79
15) Acrylonitrile	3.081	53	260	0.246	ug/l #	74
16) Acetone	2.392	43	947	1.027	ug/l	96
17) Carbon Disulfide	2.514	76	1503	0.324	ug/l	98
20) Methylene Chloride	2.788	84	1150	0.561	ug/l #	78
25) 2-Butanone	4.580	43	1284	0.858	ug/l #	80
26) 2,2-Dichloropropane	4.574	77	1083	0.326	ug/l #	54
31) Cyclohexane	5.550	56	3724	1.210	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12084	4.433	ug/l #	51
38) Carbon Tetrachloride	5.550	117	16077	5.547	ug/l #	14
76) 1,2,3-Trichloropropane	11.079	75	61445	24.093	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61445	54.607	ug/l #	5
87) 1,3-Dichlorobenzene	11.975	146	793	0.210	ug/l	87
88) 1,4-Dichlorobenzene	11.975	146	793	0.211	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	778	0.346	ug/l	93
94) Hexachlorobutadiene	13.725	225	260	0.279	ug/l	92
95) Naphthalene	13.780	128	2022	0.258	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	601	0.271	ug/l	85

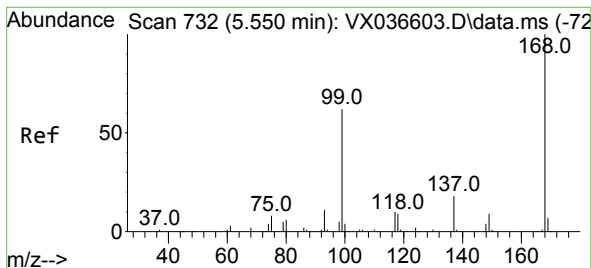
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 28 06:09:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

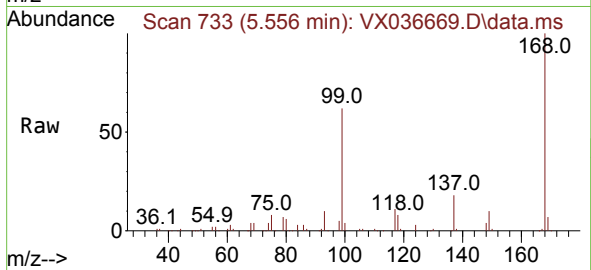
Lab File: VX036669.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_X

ClientSampleId :

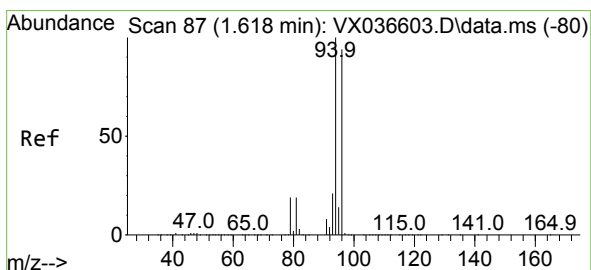
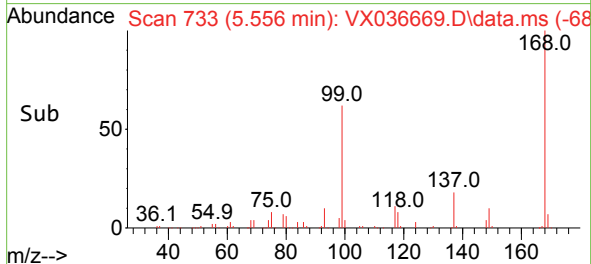
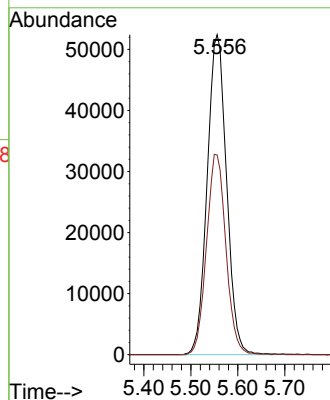


Tgt Ion:168 Resp: 150178

Ion Ratio Lower Upper

168 100

99 62.4 56.6 85.0



#5

Bromomethane

Concen: 0.338 ug/l

RT: 1.599 min Scan# 84

Delta R.T. -0.018 min

Lab File: VX036669.D

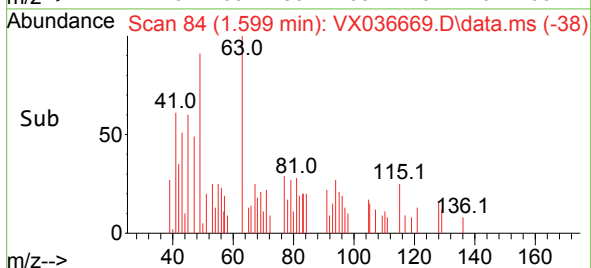
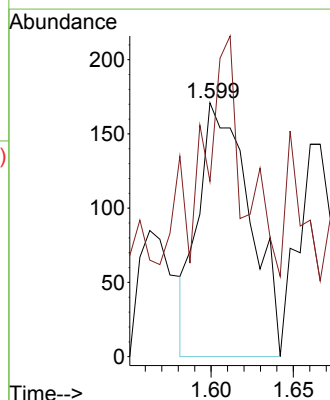
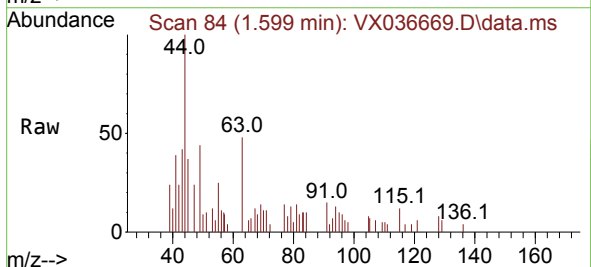
Acq: 27 Jul 2023 12:09

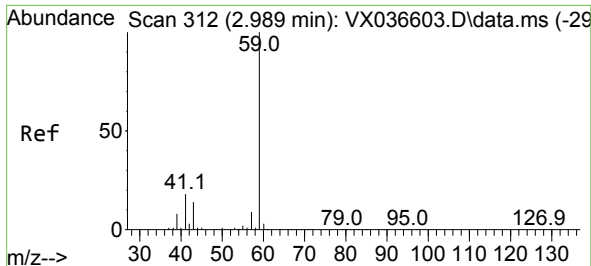
Tgt Ion: 94 Resp: 371

Ion Ratio Lower Upper

94 100

96 37.4 74.6 111.8#

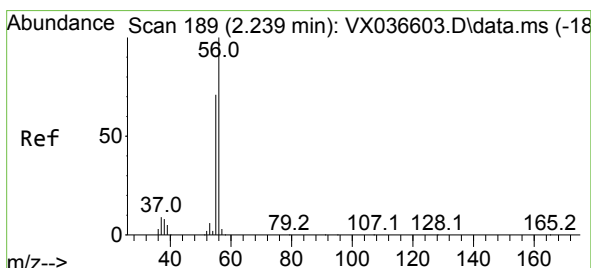
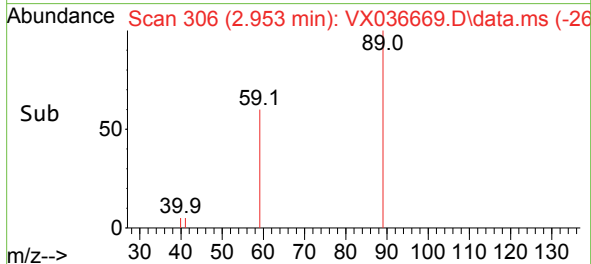
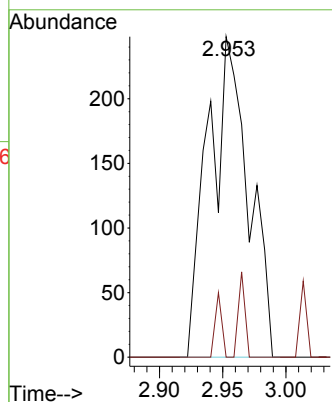
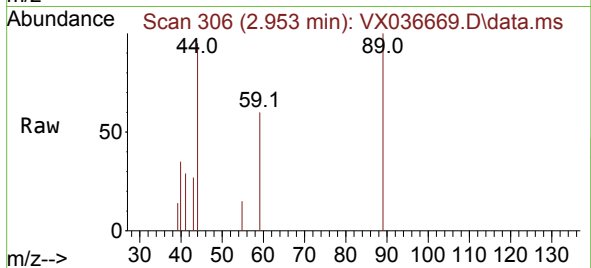




#11
Tert butyl alcohol
Concen: 1.045 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

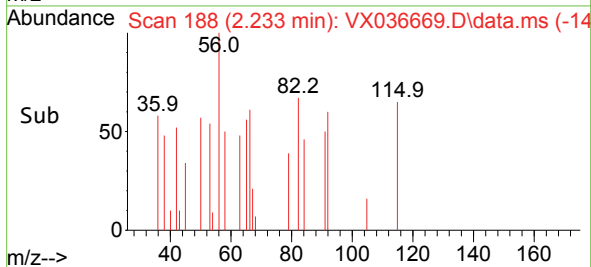
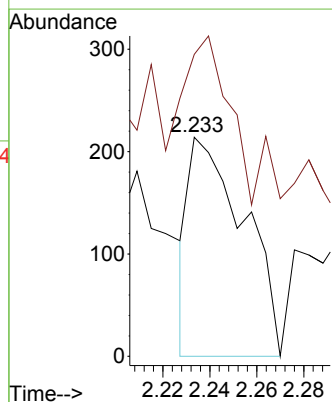
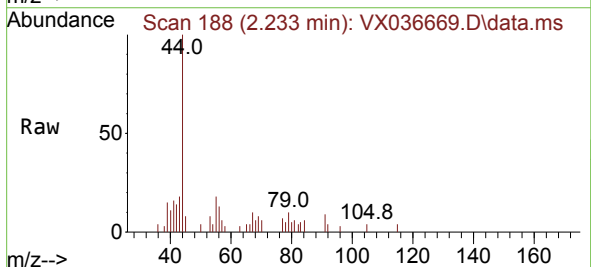
Instrument :
MSVOA_X
ClientSampleId :

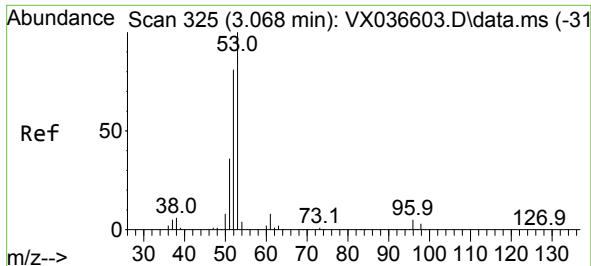
Tgt Ion: 59 Resp: 550
Ion Ratio Lower Upper
59 100
57 3.3 6.0 9.0#



#13
Acrolein
Concen: 1.159 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

Tgt Ion: 56 Resp: 348
Ion Ratio Lower Upper
56 100
55 54.0 57.1 85.7#

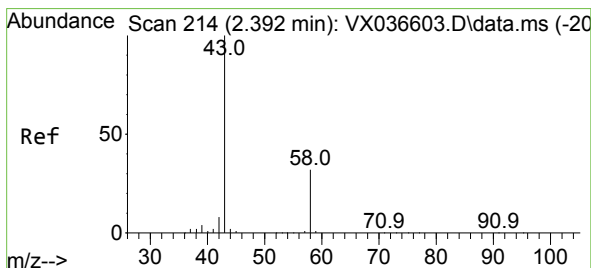
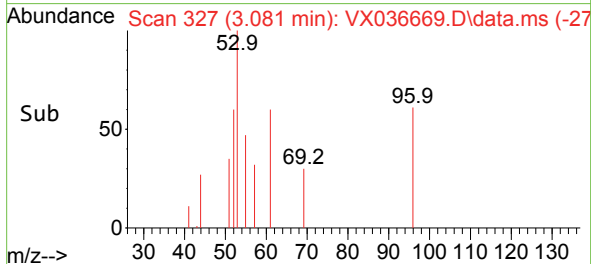
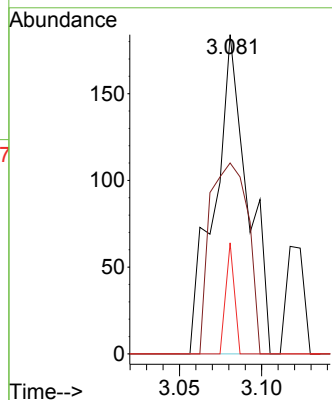
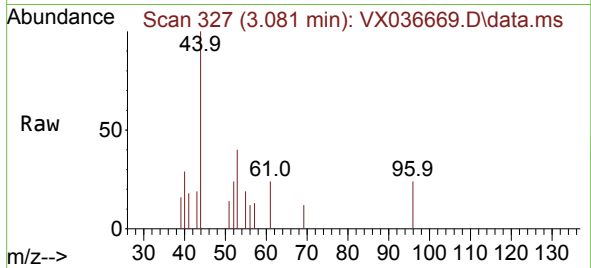




#15
 Acrylonitrile
 Concen: 0.246 ug/l
 RT: 3.081 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: VX036669.D
 Acq: 27 Jul 2023 12:09

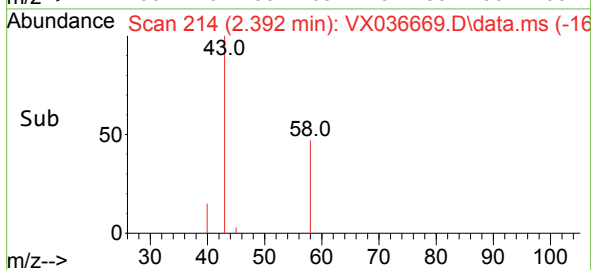
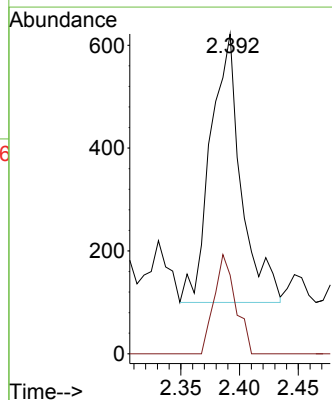
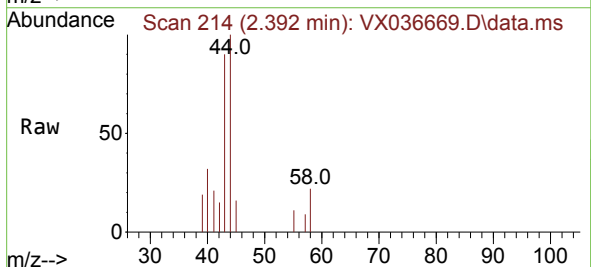
Instrument :
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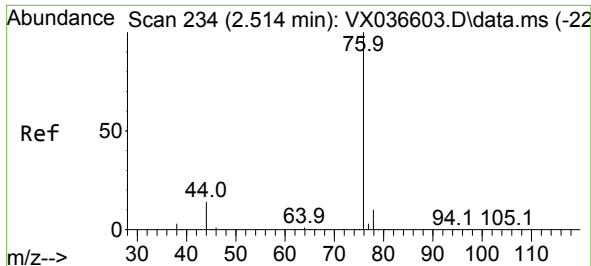
Tgt Ion: 53 Resp: 260
 Ion Ratio Lower Upper
 53 100
 52 68.1 66.0 99.0
 51 8.8 29.8 44.6#



#16
 Acetone
 Concen: 1.027 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. 0.000 min
 Lab File: VX036669.D
 Acq: 27 Jul 2023 12:09

Tgt Ion: 43 Resp: 947
 Ion Ratio Lower Upper
 43 100
 58 29.3 21.9 32.9

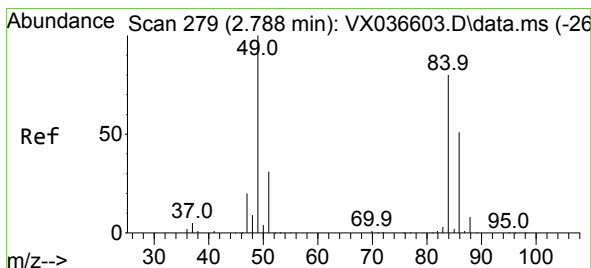
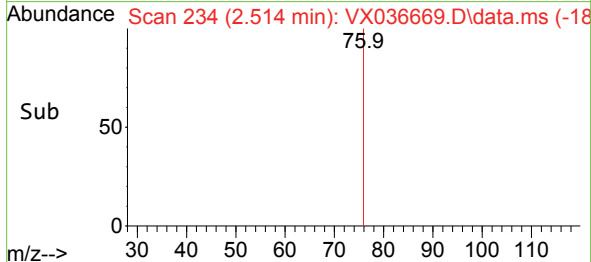
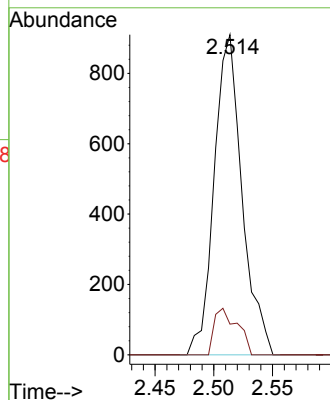
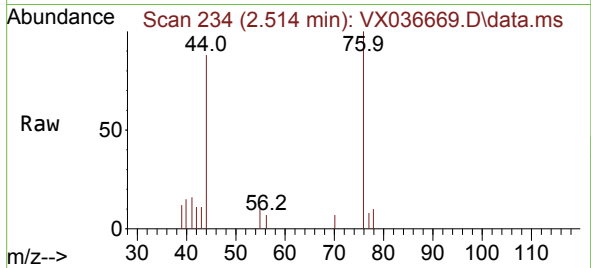




#17
Carbon Disulfide
Concen: 0.324 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

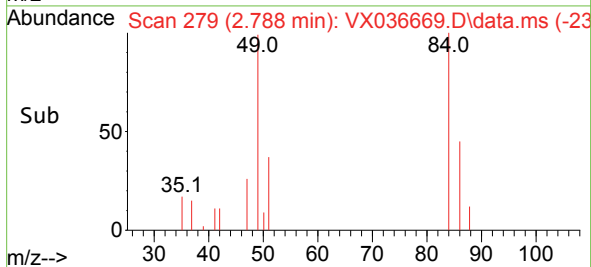
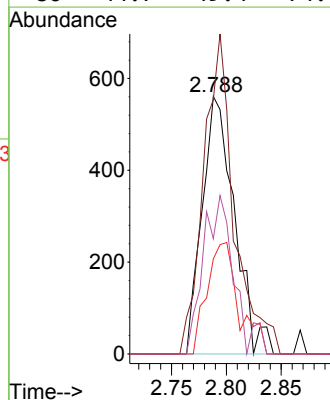
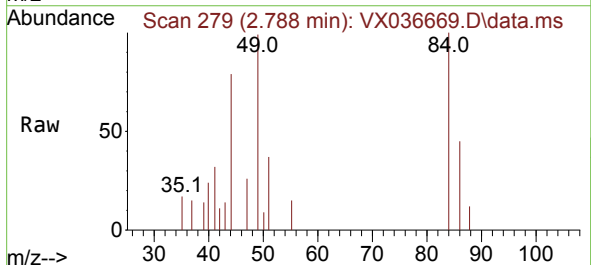
Instrument :
MSVOA_X
ClientSampleId :

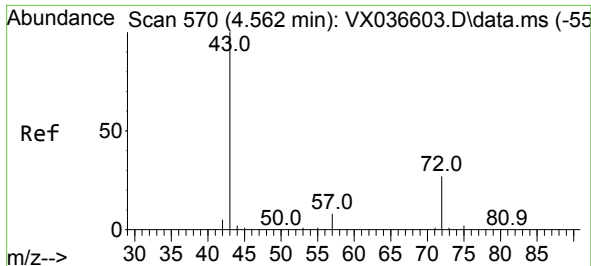
Tgt Ion: 76 Resp: 1503
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.6



#20
Methylene Chloride
Concen: 0.561 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

Tgt Ion: 84 Resp: 1150
Ion Ratio Lower Upper
84 100
49 98.8 103.6 155.4#
51 36.9 33.8 50.6
86 44.7 49.4 74.0#

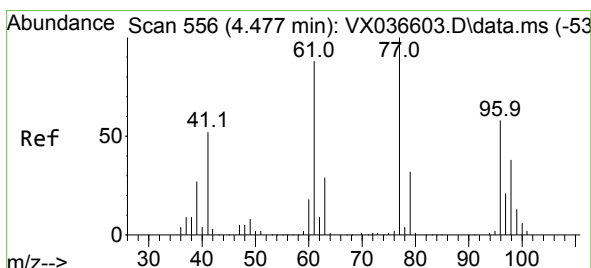
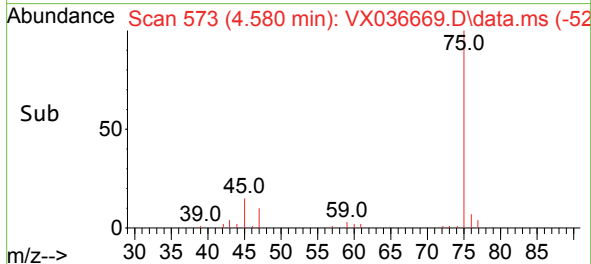
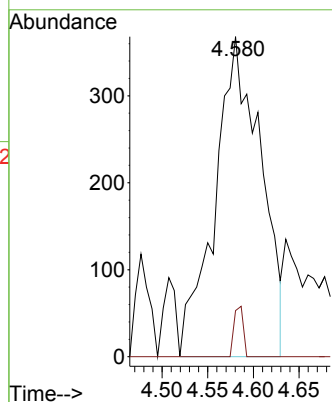
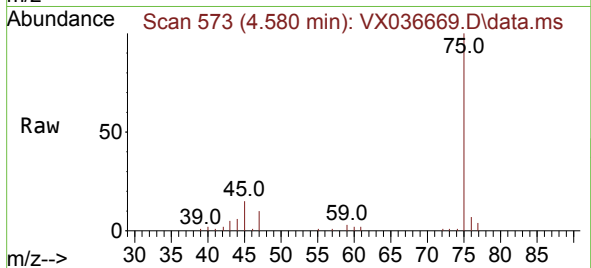




#25
2-Butanone
Concen: 0.858 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

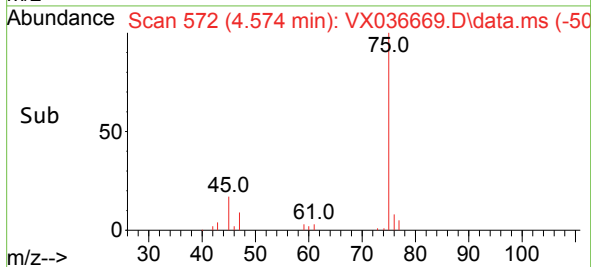
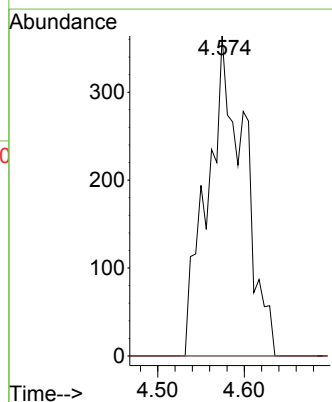
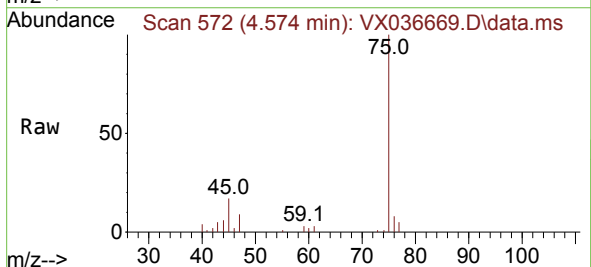
Instrument :
MSVOA_X
ClientSampleId :

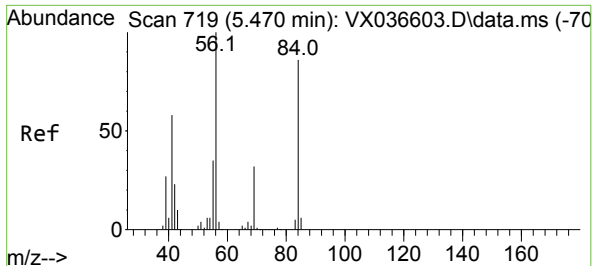
Tgt Ion: 43 Resp: 1284
Ion Ratio Lower Upper
43 100
72 14.4 19.4 29.2#



#26
2,2-Dichloropropane
Concen: 0.326 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.098 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

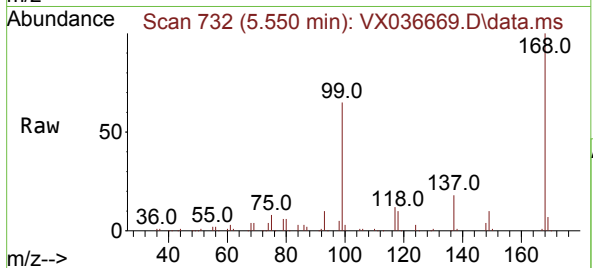
Tgt Ion: 77 Resp: 1083
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



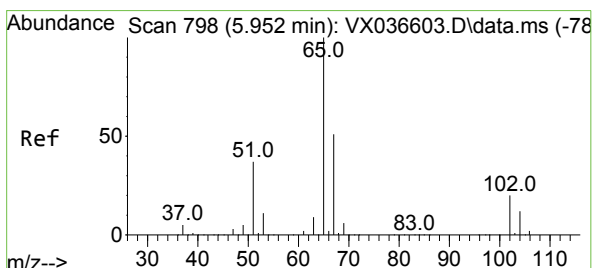
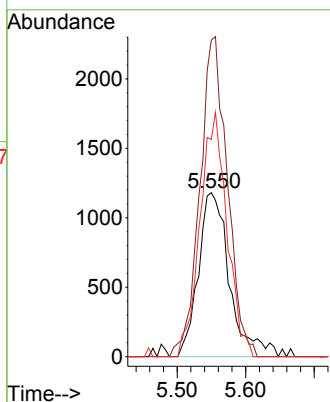
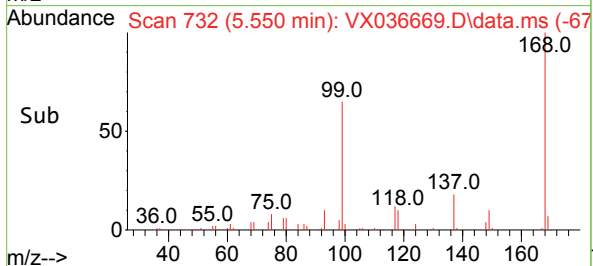


#31
Cyclohexane
Concen: 1.210 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_X
ClientSampleId :

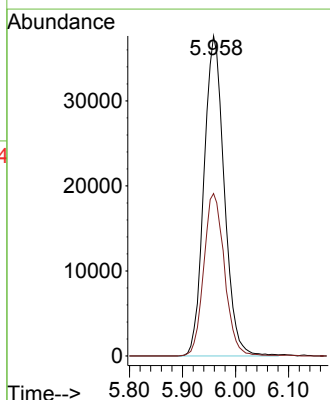
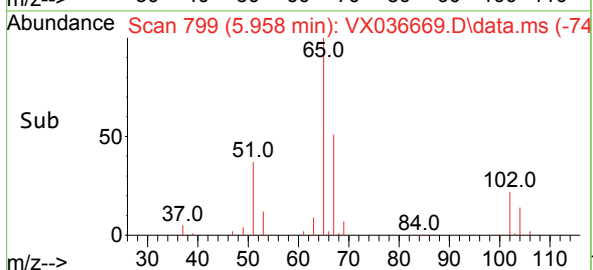
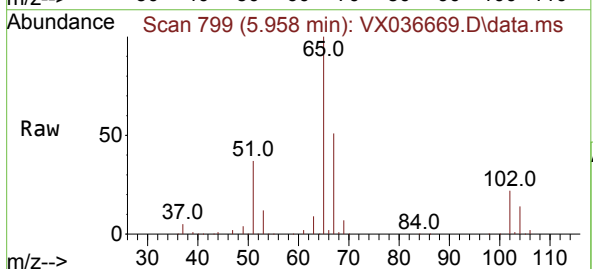


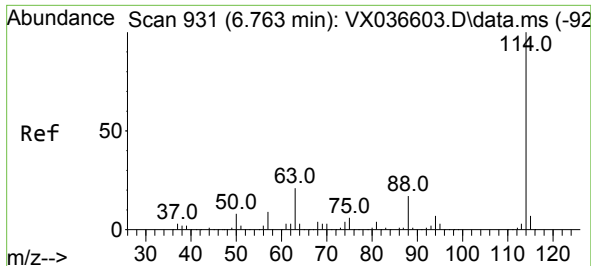
Tgt Ion: 56 Resp: 3724
Ion Ratio Lower Upper
56 100
69 193.1 23.4 35.2#
84 132.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.036 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

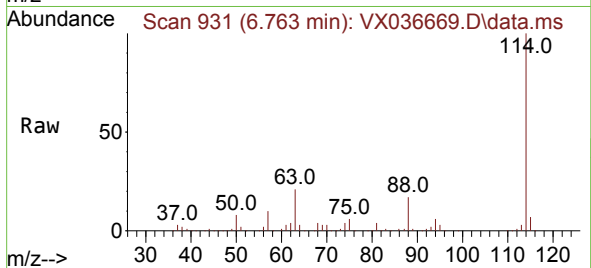
Tgt Ion: 65 Resp: 100074
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2



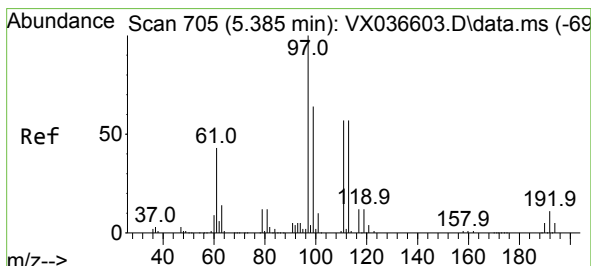
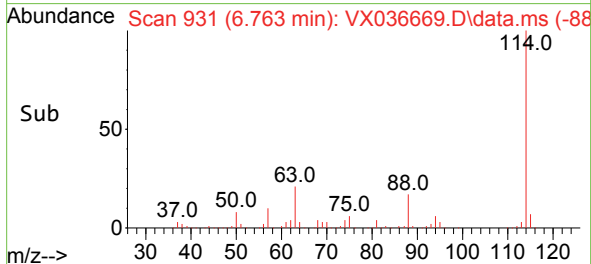
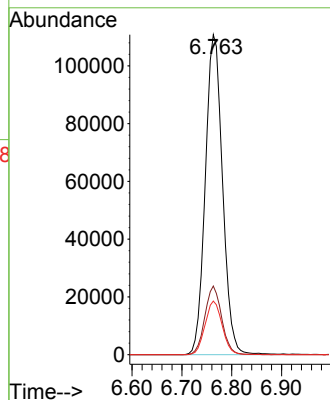


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_X
ClientSampleId :

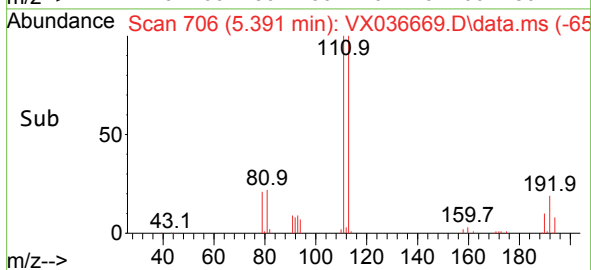
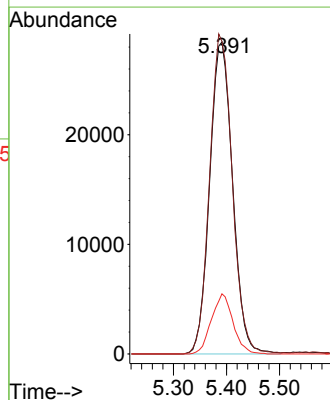
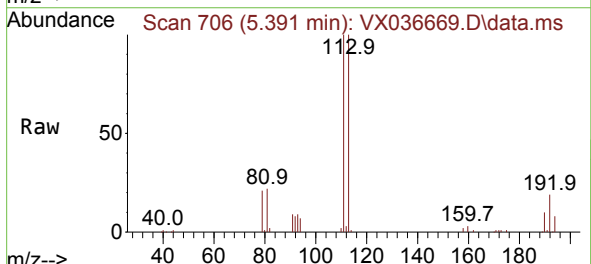


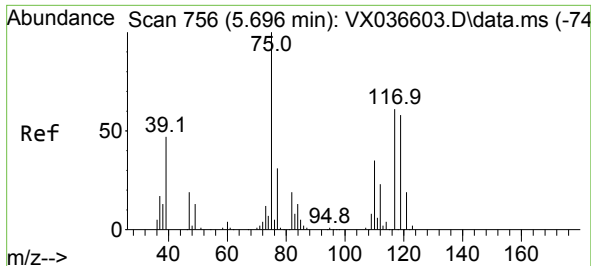
Tgt Ion:114 Resp: 266091
Ion Ratio Lower Upper
114 100
63 21.5 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.762 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

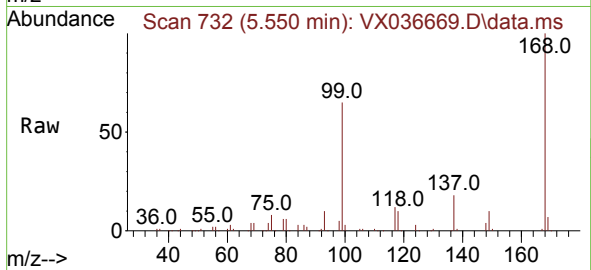
Tgt Ion:113 Resp: 85525
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 18.2 13.3 19.9



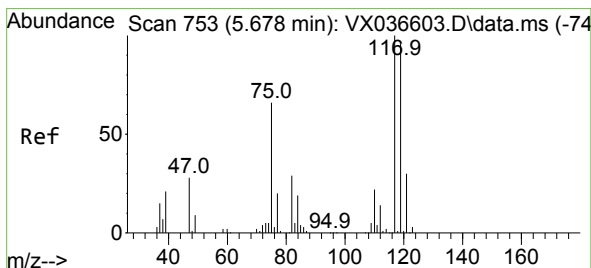
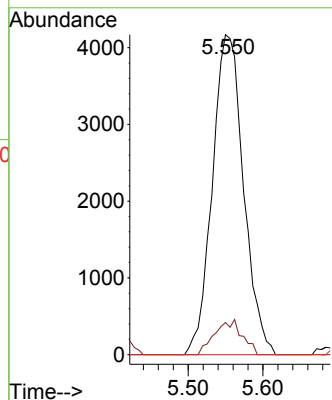
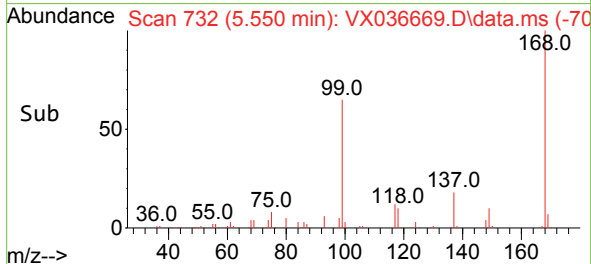


#36
1,1-Dichloropropene
Concen: 4.433 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

Instrument :
MSVOA_X
ClientSampleId :

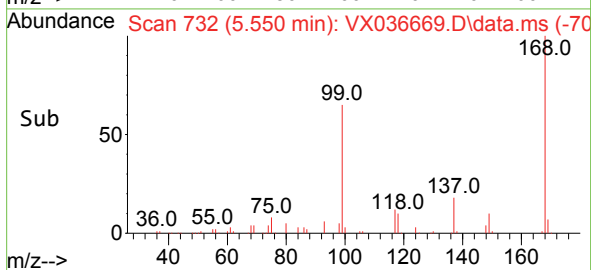
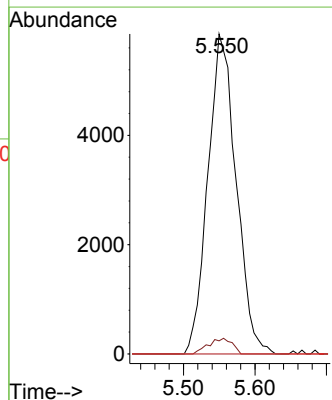
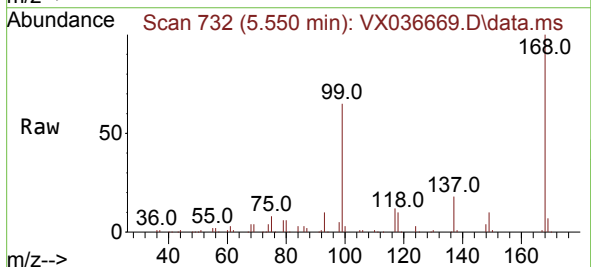


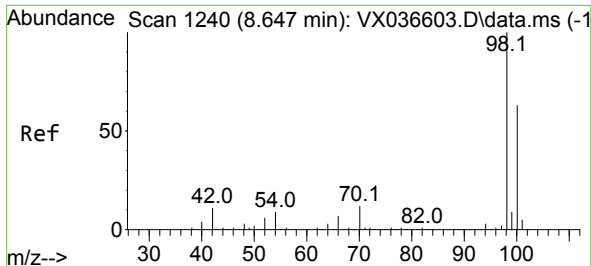
Tgt Ion: 75 Resp: 12084
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.547 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

Tgt Ion: 117 Resp: 16077
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#

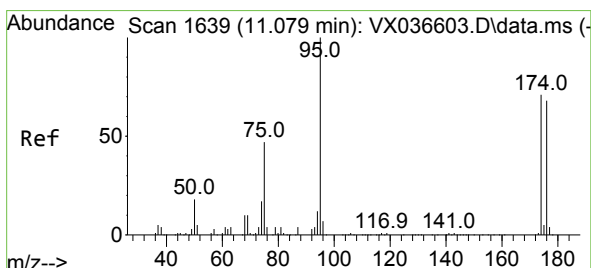
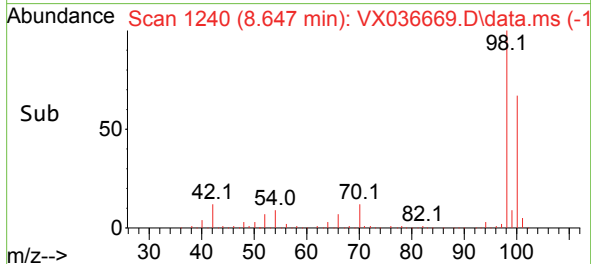
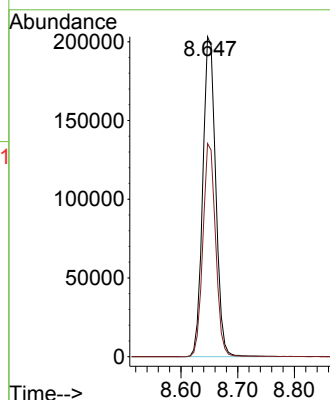
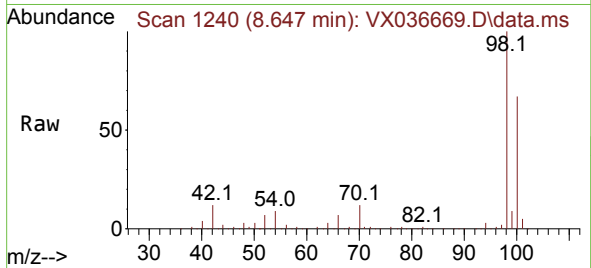




#50
Toluene-d8
Concen: 49.535 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

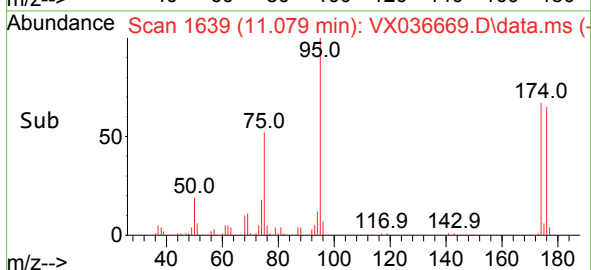
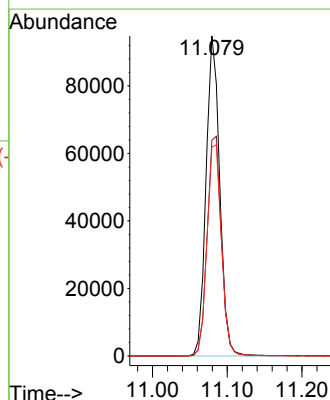
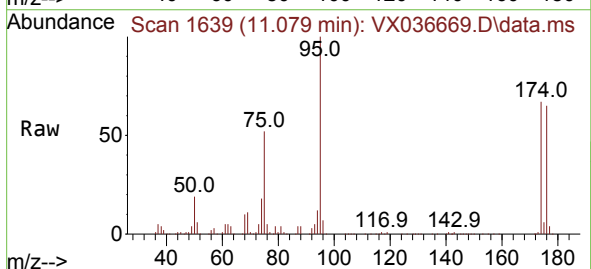
Instrument :
MSVOA_X
ClientSampleId :

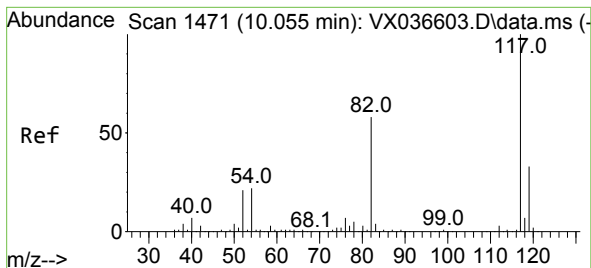
Tgt Ion: 98 Resp: 321280
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.154 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

Tgt Ion: 95 Resp: 120280
Ion Ratio Lower Upper
95 100
174 71.9 0.0 135.6
176 69.8 0.0 131.0

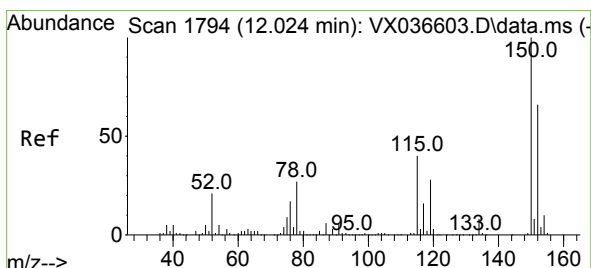
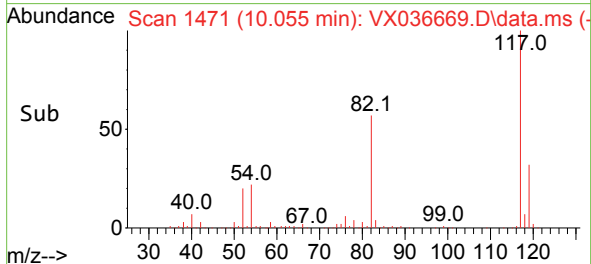
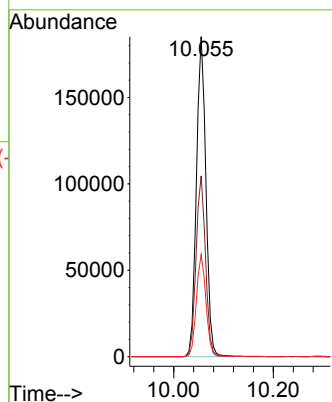
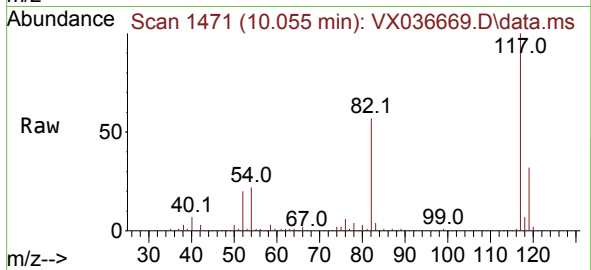




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

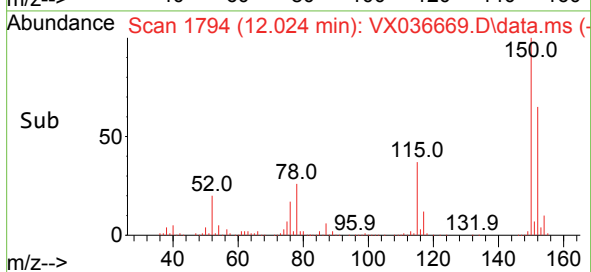
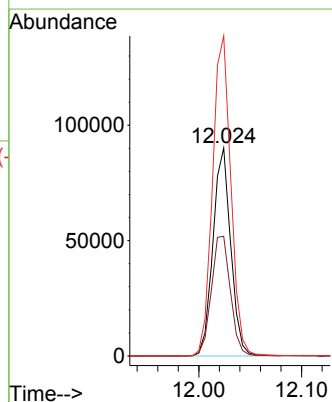
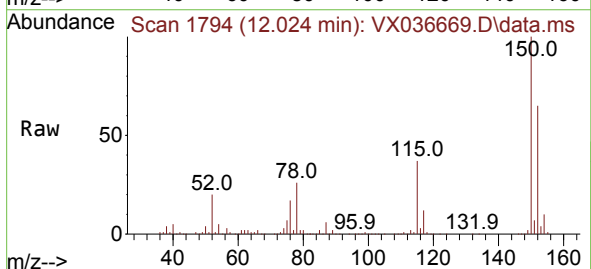
Instrument :
MSVOA_X
ClientSampleId :

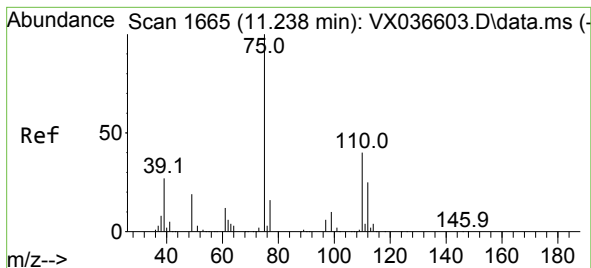
Tgt Ion:117 Resp: 244947
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

Tgt Ion:152 Resp: 108429
Ion Ratio Lower Upper
152 100
115 62.0 43.3 129.9
150 159.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.093 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036669.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_X

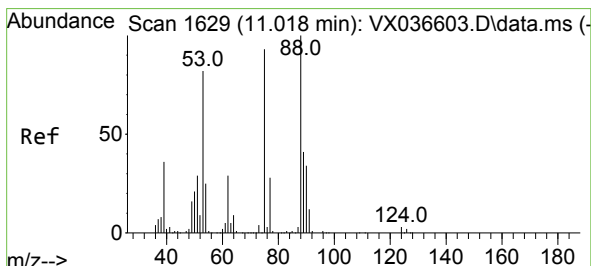
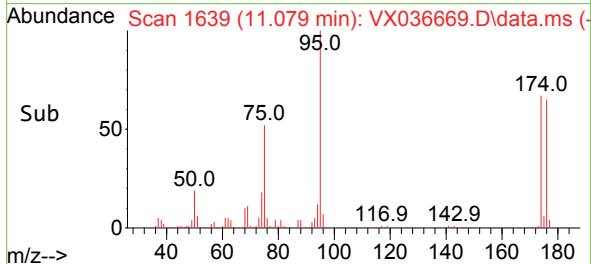
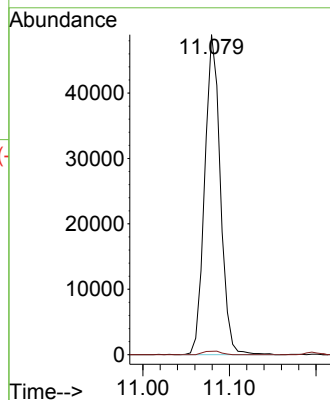
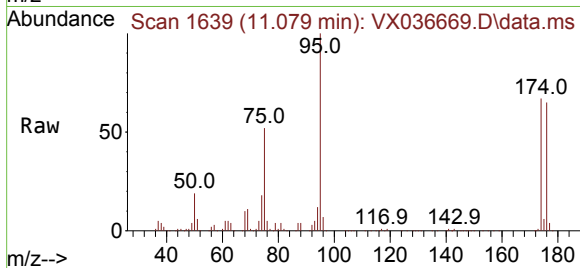
ClientSampleId :

Tgt Ion: 75 Resp: 61445

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.607 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036669.D

Acq: 27 Jul 2023 12:09

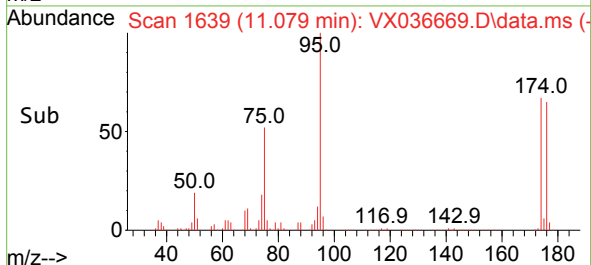
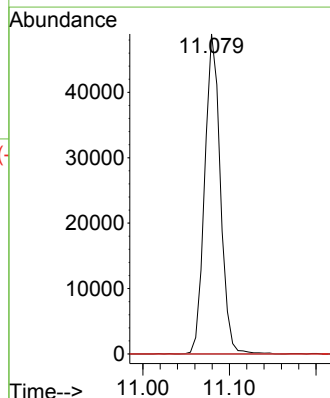
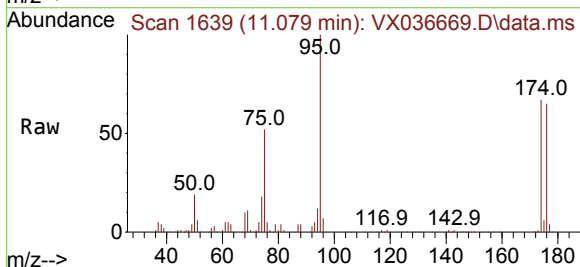
Tgt Ion: 75 Resp: 61445

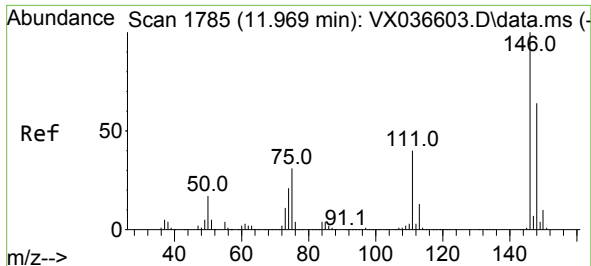
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

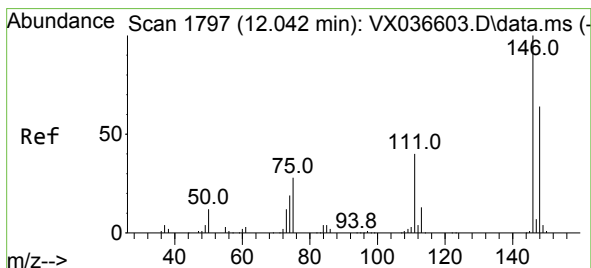
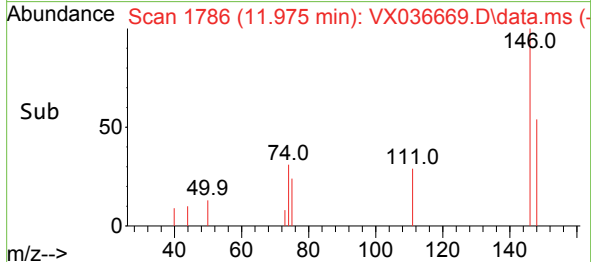
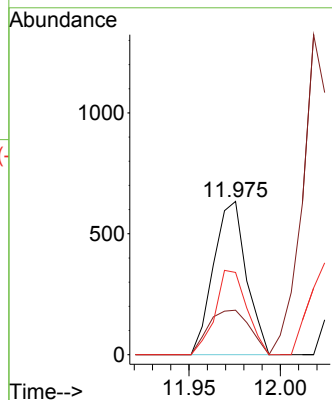
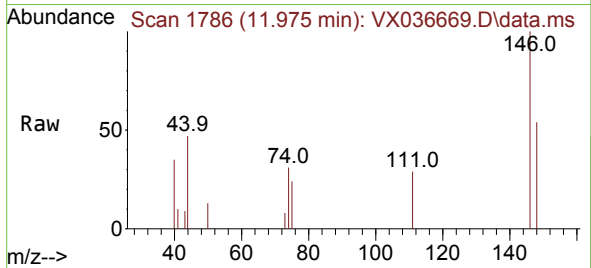




#87
1,3-Dichlorobenzene
Concen: 0.210 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

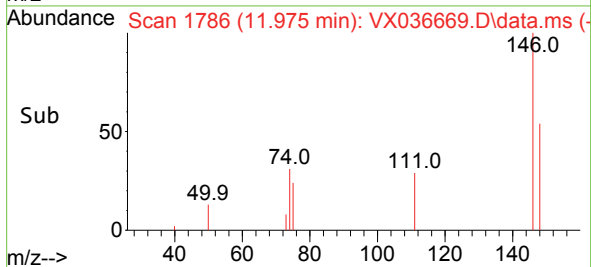
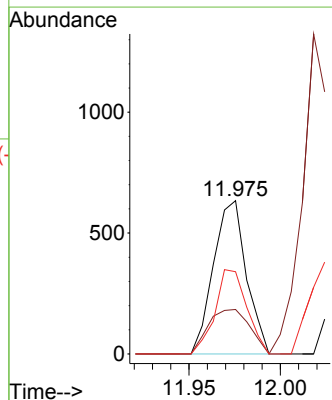
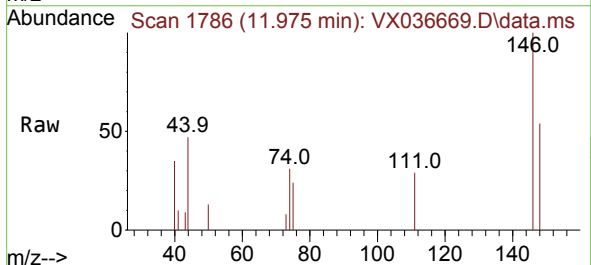
Instrument :
MSVOA_X
ClientSampleId :

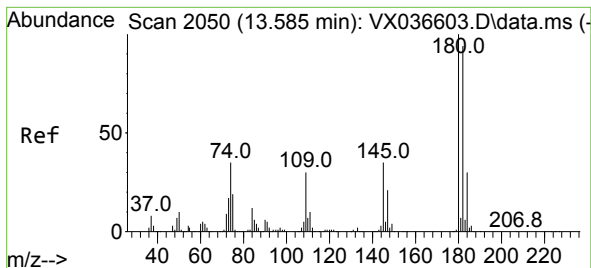
Tgt Ion:146 Resp: 793
Ion Ratio Lower Upper
146 100
111 36.4 22.1 66.1
148 53.2 31.8 95.3



#88
1,4-Dichlorobenzene
Concen: 0.211 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.067 min
Lab File: VX036669.D
Acq: 27 Jul 2023 12:09

Tgt Ion:146 Resp: 793
Ion Ratio Lower Upper
146 100
111 36.4 21.3 63.7
148 53.2 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 0.346 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX036669.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_X

ClientSampleId :

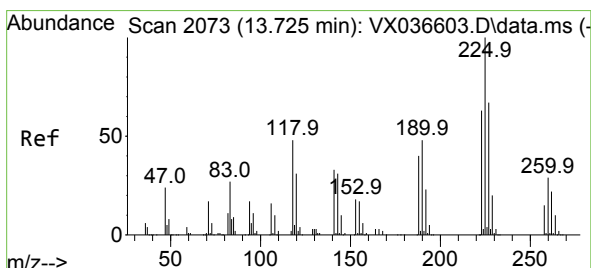
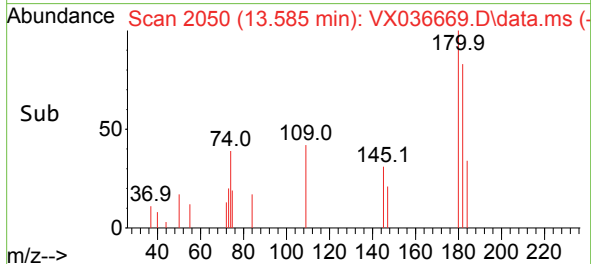
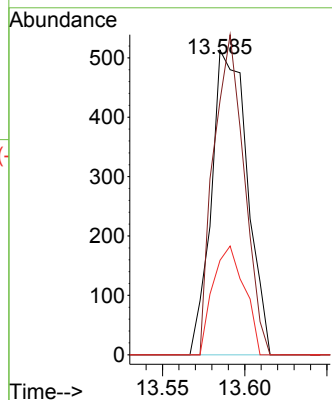
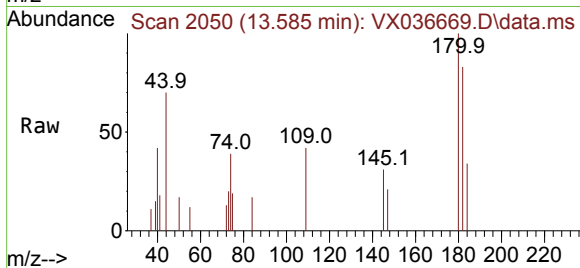
Tgt Ion:180 Resp: 778

Ion Ratio Lower Upper

180 100

182 89.3 48.3 144.8

145 31.4 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.279 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX036669.D

Acq: 27 Jul 2023 12:09

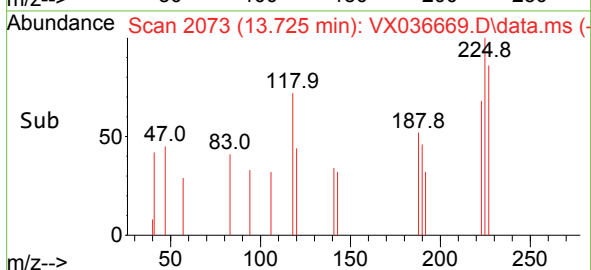
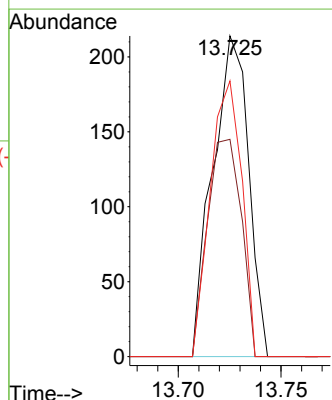
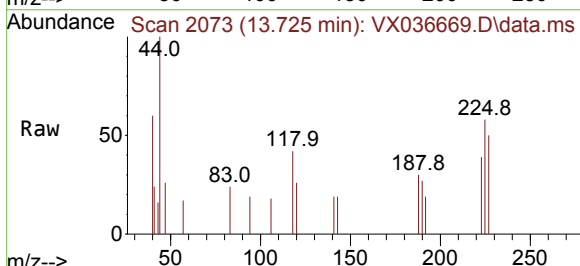
Tgt Ion:225 Resp: 260

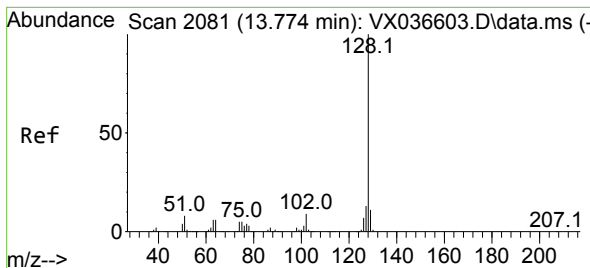
Ion Ratio Lower Upper

225 100

223 63.8 31.1 93.2

227 75.4 32.5 97.5





#95

Naphthalene

Concen: 0.258 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX036669.D

Acq: 27 Jul 2023 12:09

Instrument :

MSVOA_X

ClientSampleId :

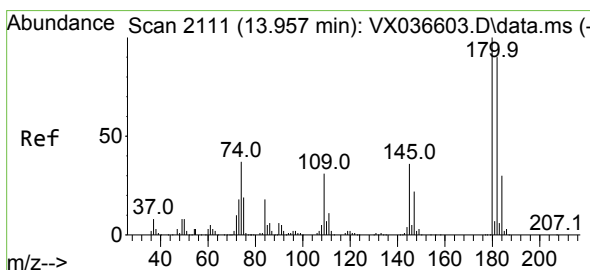
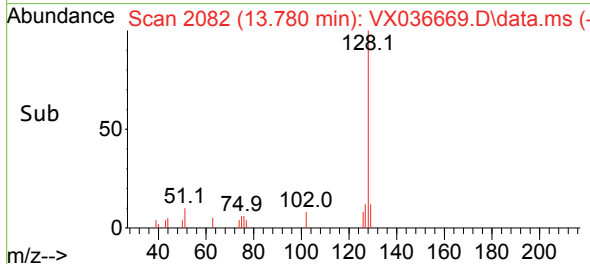
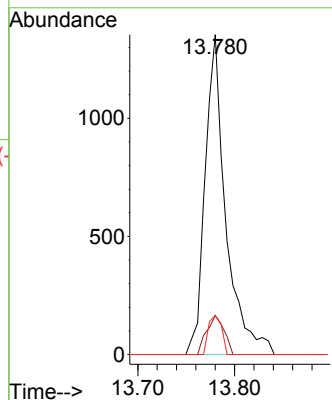
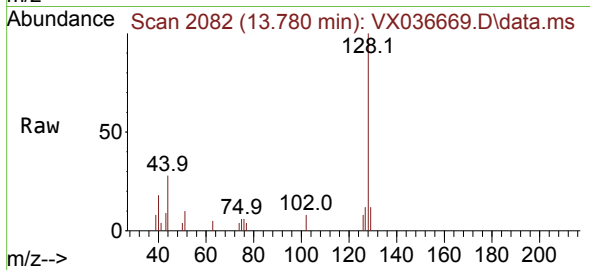
Tgt Ion:128 Resp: 2022

Ion Ratio Lower Upper

128 100

127 10.2 10.3 15.5#

129 7.9 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.271 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX036669.D

Acq: 27 Jul 2023 12:09

Tgt Ion:180 Resp: 601

Ion Ratio Lower Upper

180 100

182 111.1 46.9 140.6

145 39.3 17.8 53.5

