

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102623\
 Data File : VX038522.D
 Acq On : 26 Oct 2023 16:55
 Operator : JC/MD
 Sample : 05063-01 2000X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 27 05:19:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

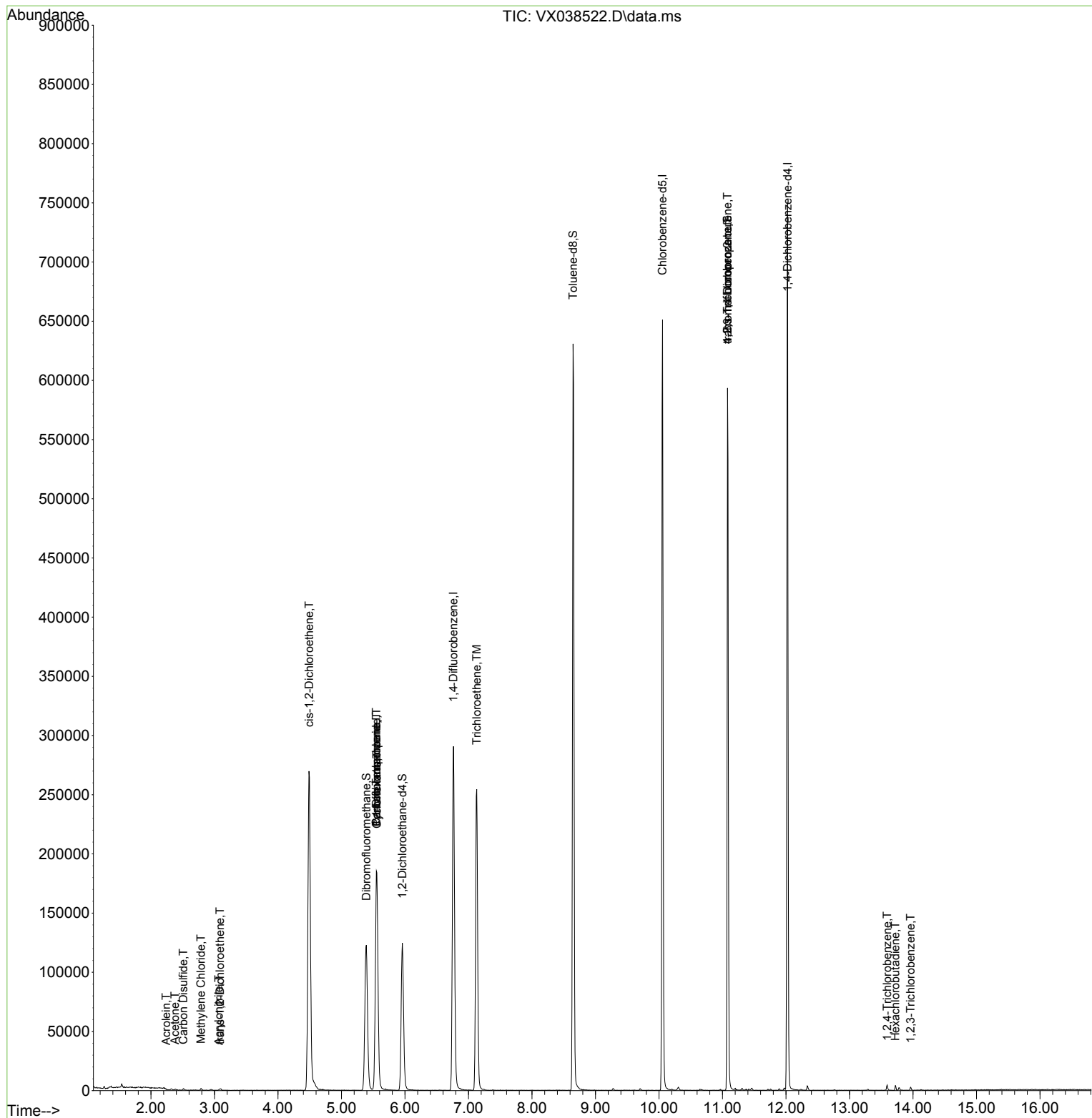
Internal Standards						
1) Pentafluorobenzene	5.550	168	186670	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	311487	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	165195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	119920	39.940	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.880%
35) Dibromofluoromethane	5.391	113	107396	47.849	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.700%
50) Toluene-d8	8.647	98	394857	46.039	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.080%
62) 4-Bromofluorobenzene	11.079	95	153804	47.303	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.600%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	169	Below Cal	#	48
6) Chloroethane	1.660	64	79	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	414	Below Cal	#	78
13) Acrolein	2.240	56	177	0.415	ug/l	100
15) Acrylonitrile	3.069	53	496	0.363	ug/l	# 76
16) Acetone	2.380	43	619	0.494	ug/l	# 87
17) Carbon Disulfide	2.508	76	1400	0.284	ug/l	# 76
20) Methylene Chloride	2.788	84	680	0.289	ug/l	# 76
21) trans-1,2-Dichloroethene	3.087	96	632	0.299	ug/l	# 40
27) cis-1,2-Dichloroethene	4.489	96	178856	71.019	ug/l	77
31) Cyclohexane	5.556	56	3754	1.154	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	13086	4.228	ug/l	# 52
38) Carbon Tetrachloride	5.550	117	17623	5.788	ug/l	# 15
44) Trichloroethene	7.129	130	104490	46.149	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	78590	20.927	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	78590	60.209	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	1422	0.406	ug/l	91
94) Hexachlorobutadiene	13.719	225	786	0.558	ug/l	85
96) 1,2,3-Trichlorobenzene	13.963	180	889	0.262	ug/l	95

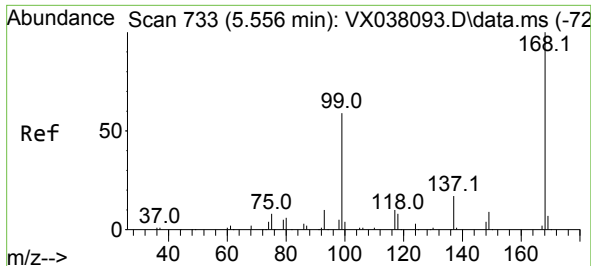
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 27 05:19:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

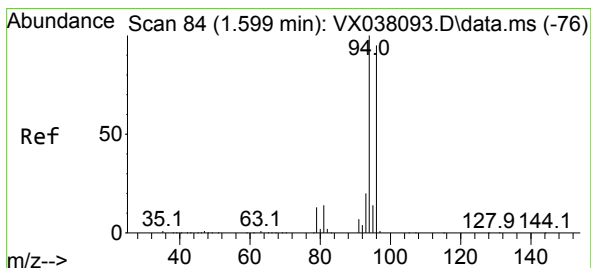
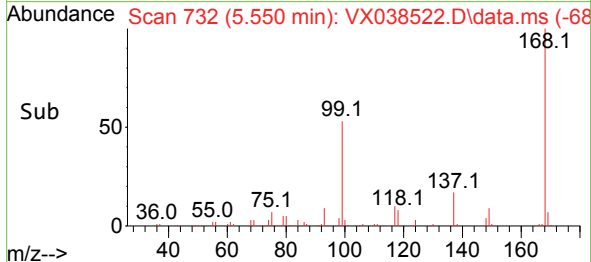
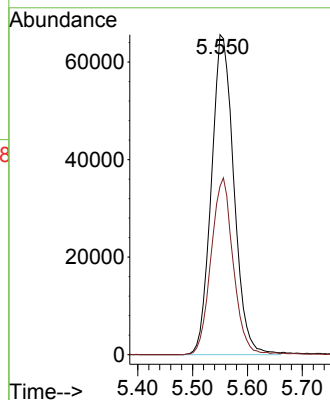
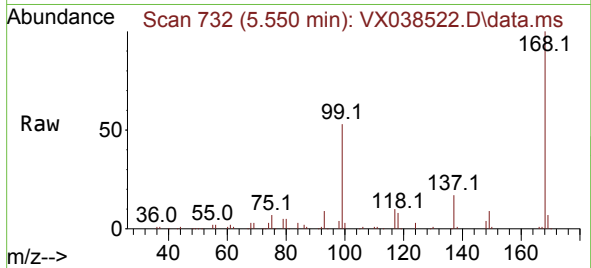




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

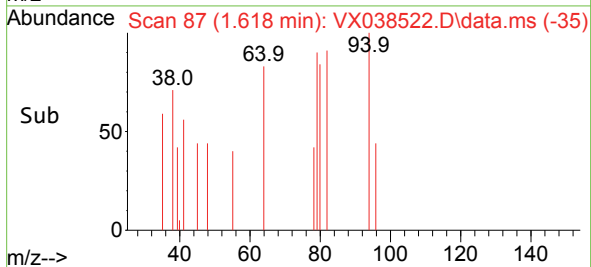
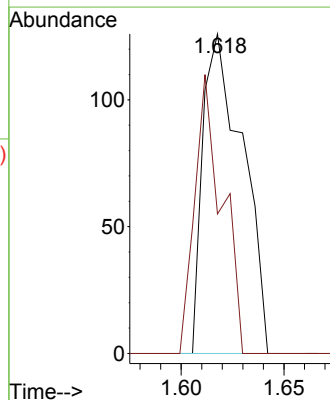
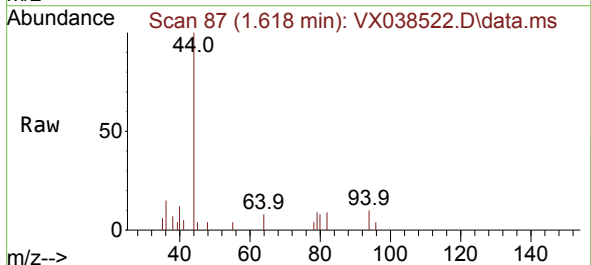
Instrument :
MSVOA_X
ClientSampleId :

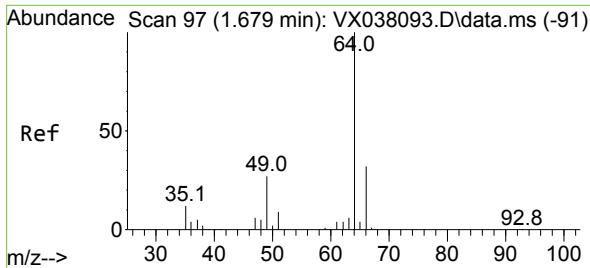
Tgt Ion:168 Resp: 186670
Ion Ratio Lower Upper
168 100
99 52.7 56.6 85.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

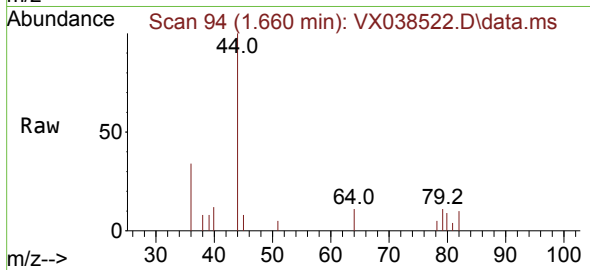
Tgt Ion: 94 Resp: 169
Ion Ratio Lower Upper
94 100
96 43.7 74.6 111.8#



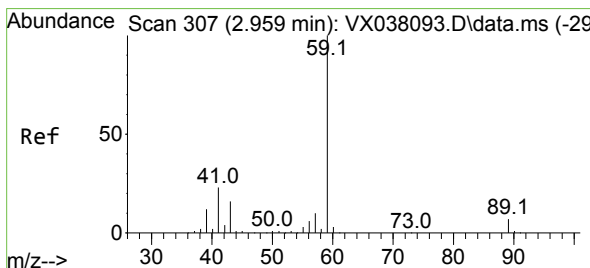
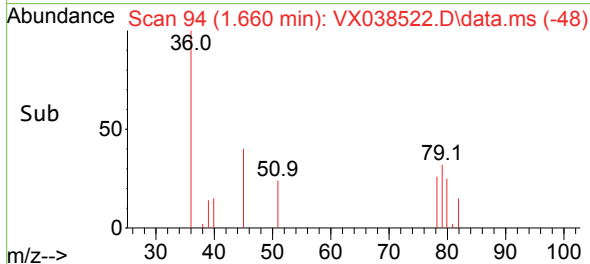
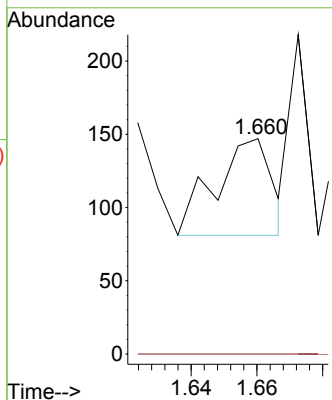


#6
 Chloroethane
 Concen: Below Cal
 RT: 1.660 min Scan# 94
 Delta R.T. -0.019 min
 Lab File: VX038522.D
 Acq: 26 Oct 2023 16:55

Instrument :
 MSVOA_X
 ClientSampleId :

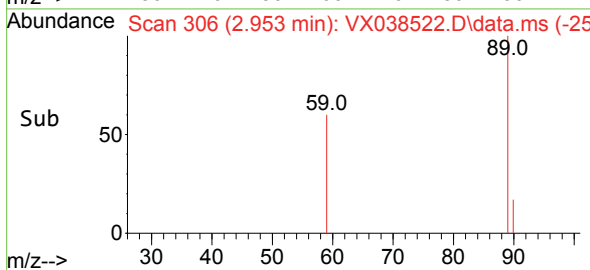
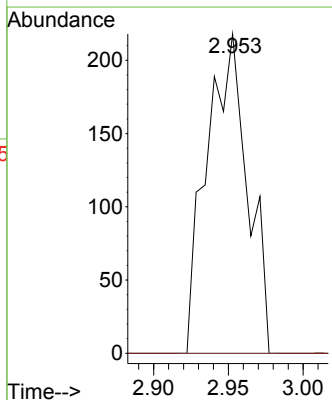
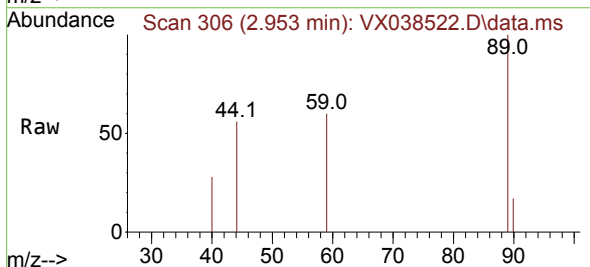


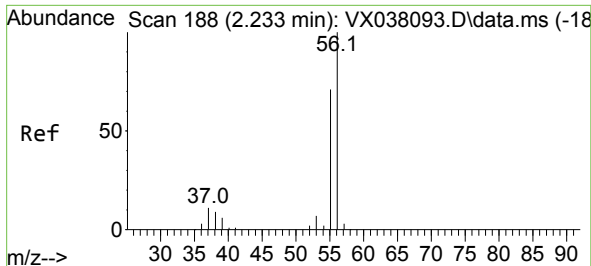
Tgt Ion: 64 Resp: 79
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.1 37.7#



#11
 Tert butyl alcohol
 Concen: Below Cal
 RT: 2.953 min Scan# 306
 Delta R.T. -0.006 min
 Lab File: VX038522.D
 Acq: 26 Oct 2023 16:55

Tgt Ion: 59 Resp: 414
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.0 9.0#

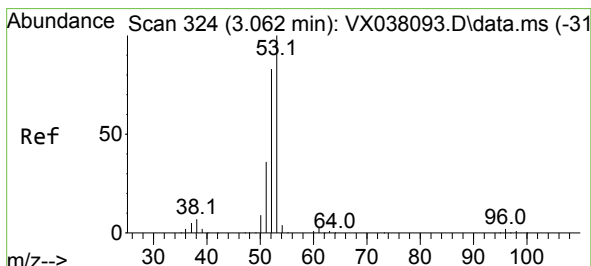
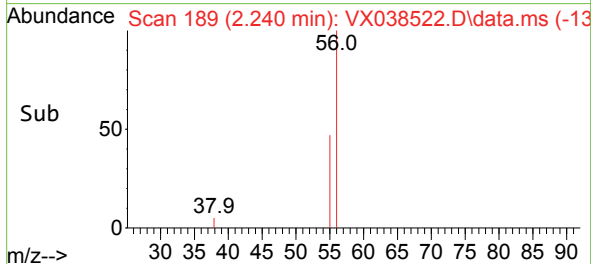
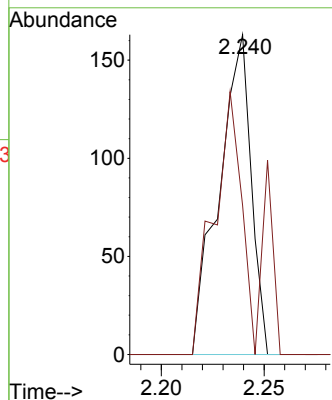
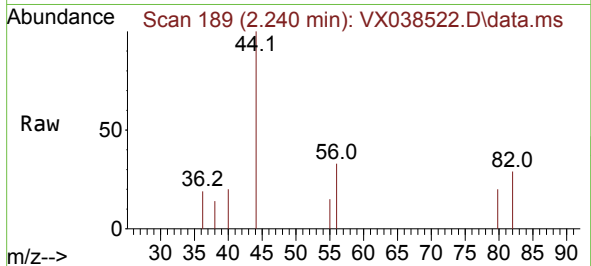




#13
Acrolein
Concen: 0.415 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

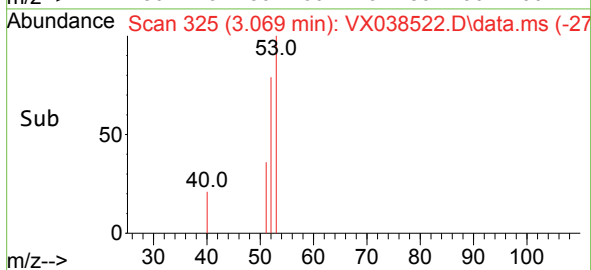
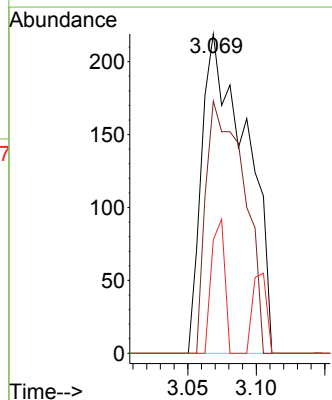
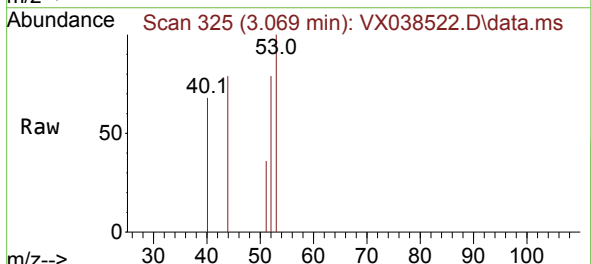
Instrument :
MSVOA_X
ClientSampleId :

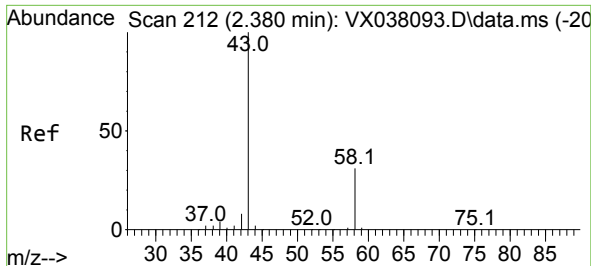
Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 71.2 57.1 85.7



#15
Acrylonitrile
Concen: 0.363 ug/l
RT: 3.069 min Scan# 325
Delta R.T. 0.007 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

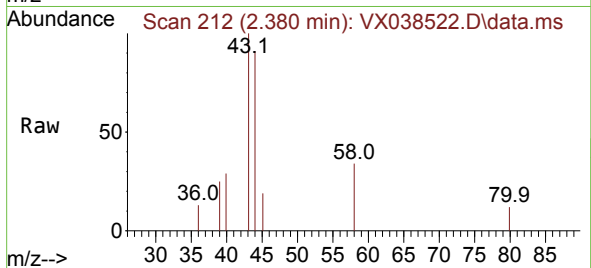
Tgt Ion: 53 Resp: 496
Ion Ratio Lower Upper
53 100
52 67.5 66.0 99.0
51 12.5 29.8 44.6#



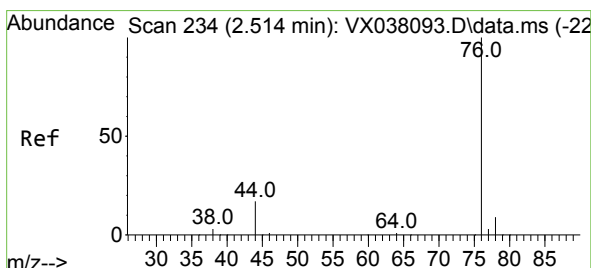
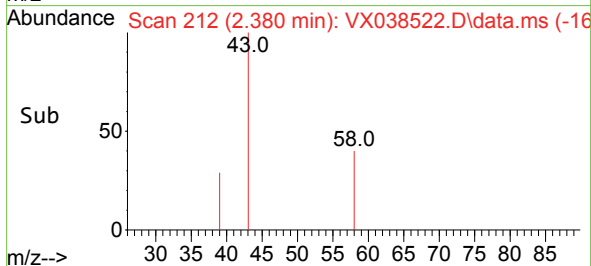
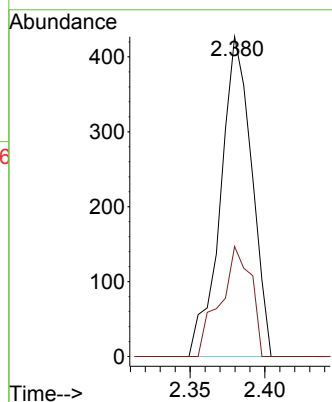


#16
Acetone
Concen: 0.494 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :

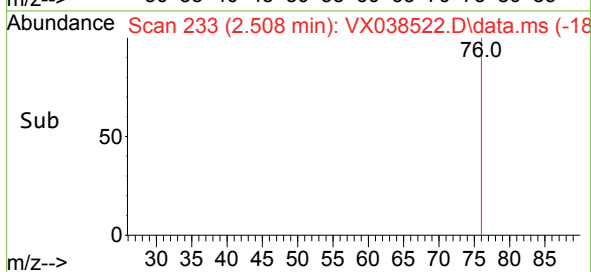
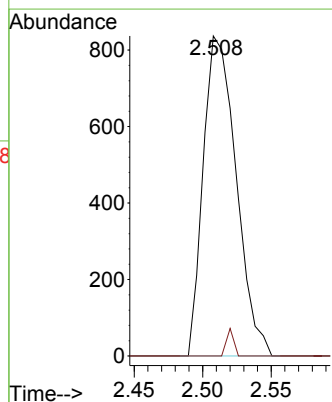
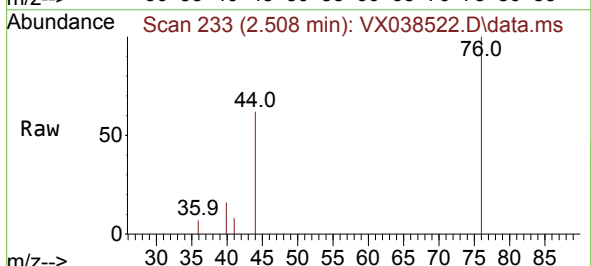


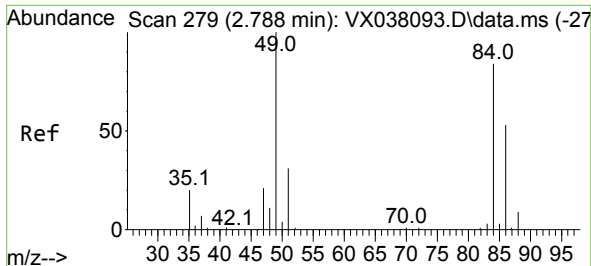
Tgt Ion: 43 Resp: 619
Ion Ratio Lower Upper
43 100
58 34.4 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.284 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

Tgt Ion: 76 Resp: 1400
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#20

Methylene Chloride

Concen: 0.289 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

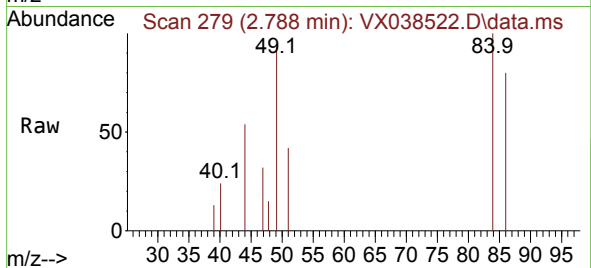
Lab File: VX038522.D

Acq: 26 Oct 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 680

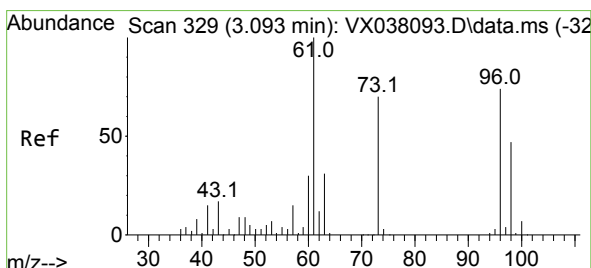
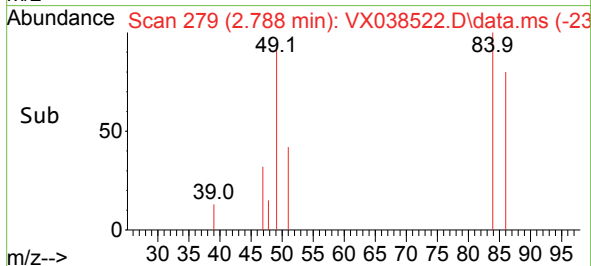
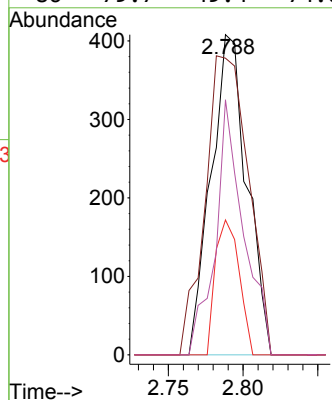
Ion Ratio Lower Upper

84 100

49 92.6 103.6 155.4#

51 42.2 33.8 50.6

86 79.7 49.4 74.0#



#21

trans-1,2-Dichloroethene

Concen: 0.299 ug/l

RT: 3.087 min Scan# 328

Delta R.T. -0.000 min

Lab File: VX038522.D

Acq: 26 Oct 2023 16:55

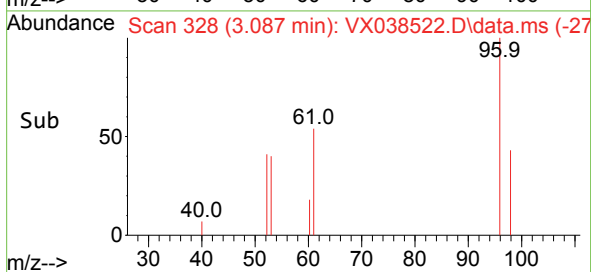
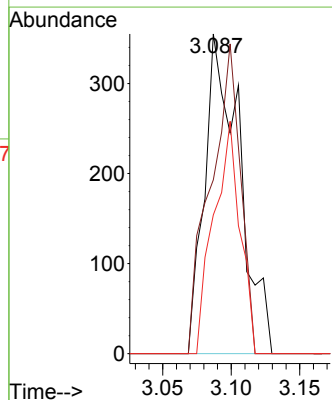
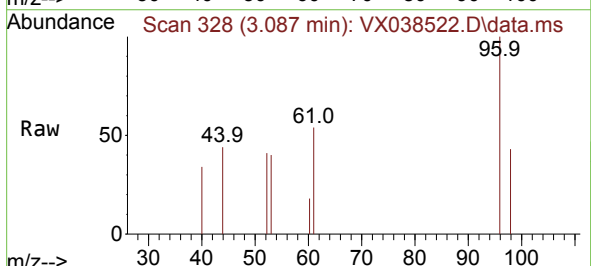
Tgt Ion: 96 Resp: 632

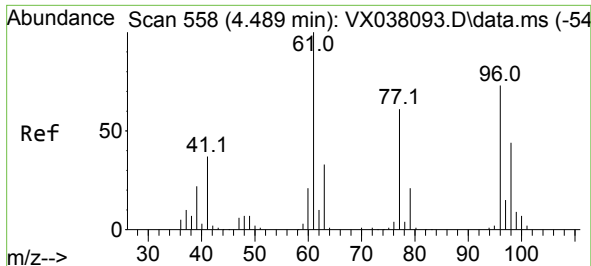
Ion Ratio Lower Upper

96 100

61 54.4 119.2 178.8#

98 43.4 48.7 73.1#





#27

cis-1,2-Dichloroethene

Concen: 71.019 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

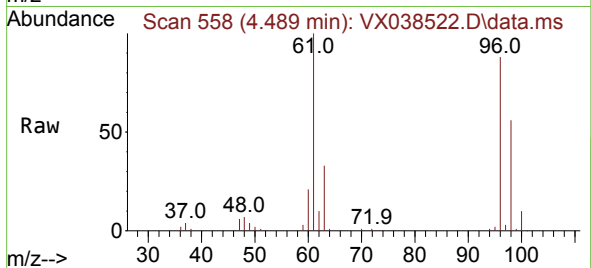
Lab File: VX038522.D

Acq: 26 Oct 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :



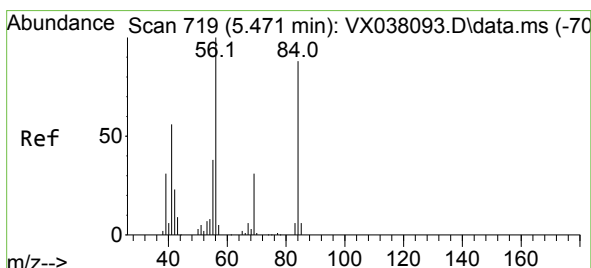
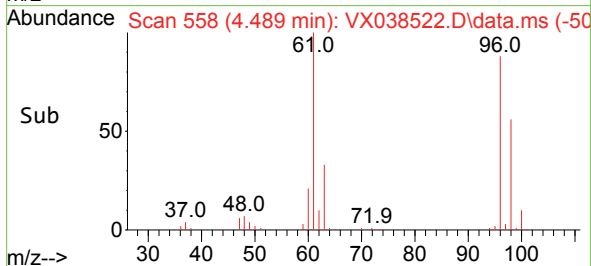
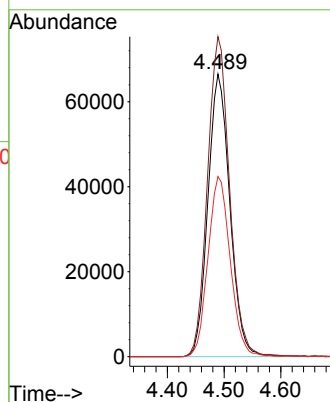
Tgt Ion: 96 Resp: 178856

Ion Ratio Lower Upper

96 100

61 114.2 0.0 312.2

98 64.7 0.0 129.0



#31

Cyclohexane

Concen: 1.154 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX038522.D

Acq: 26 Oct 2023 16:55

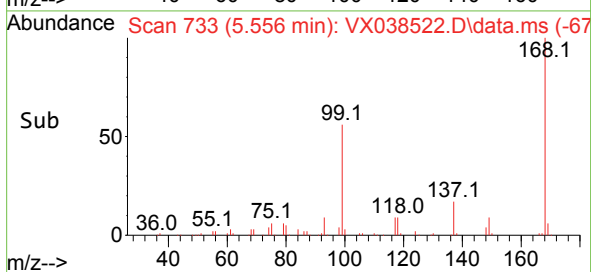
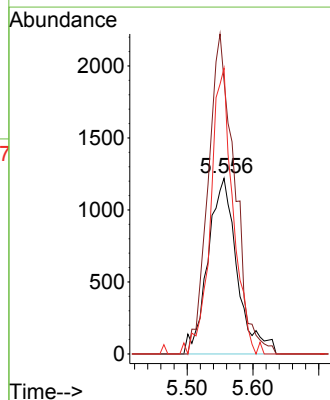
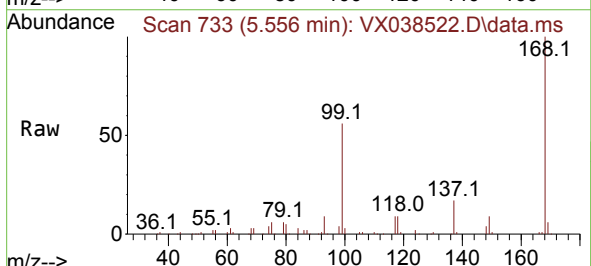
Tgt Ion: 56 Resp: 3754

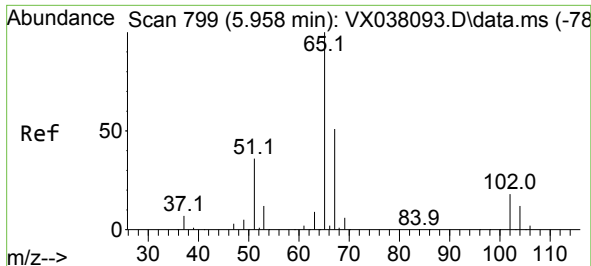
Ion Ratio Lower Upper

56 100

69 155.5 23.4 35.2#

84 162.6 65.9 98.9#

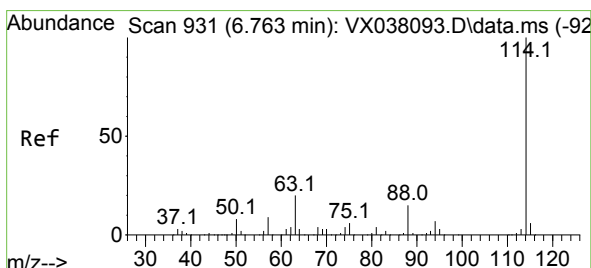
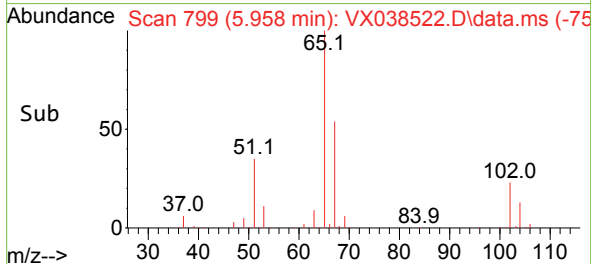
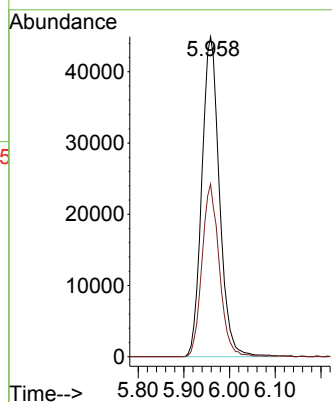
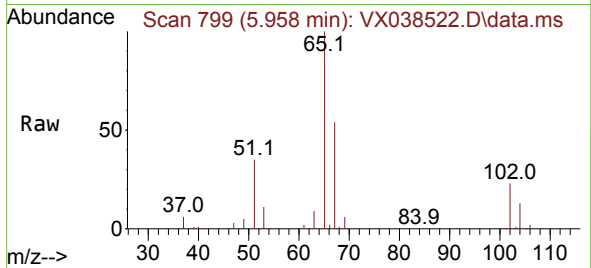




#33
1,2-Dichloroethane-d4
Concen: 39.940 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

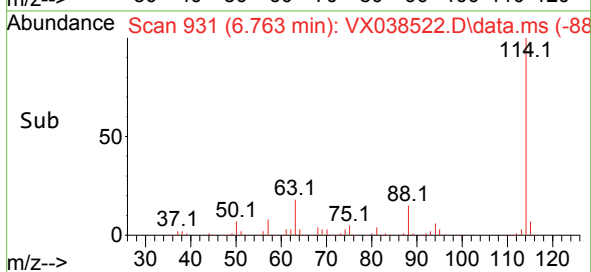
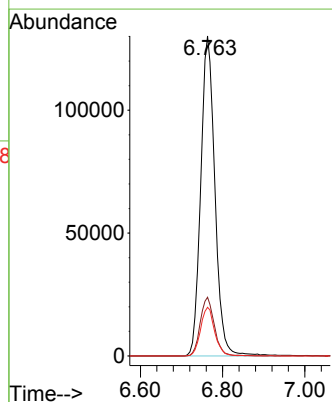
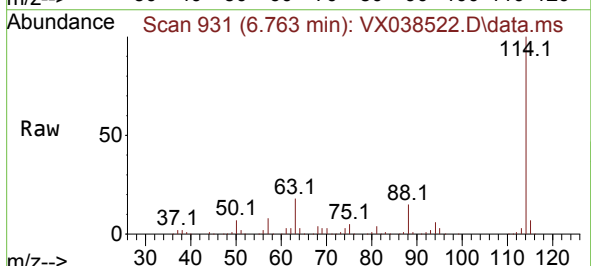
Instrument :
MSVOA_X
ClientSampleId :

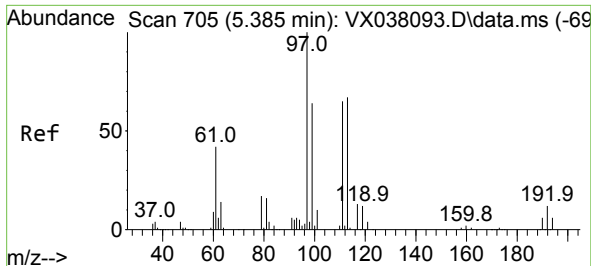
Tgt Ion: 65 Resp: 119920
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

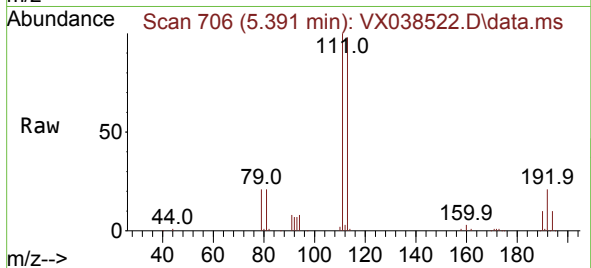
Tgt Ion:114 Resp: 311487
Ion Ratio Lower Upper
114 100
63 18.3 0.0 45.0
88 15.2 0.0 36.6



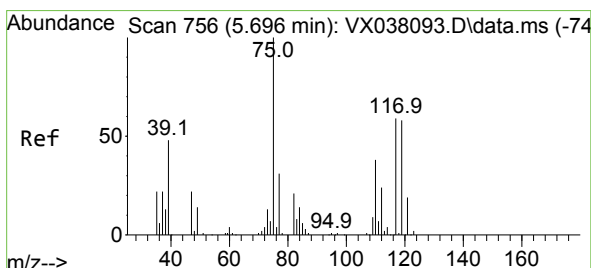
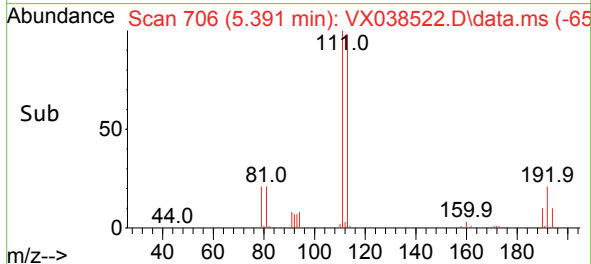
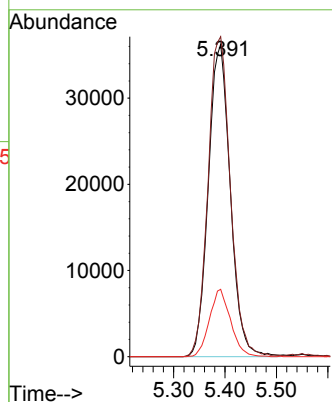


#35
Dibromofluoromethane
Concen: 47.849 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :

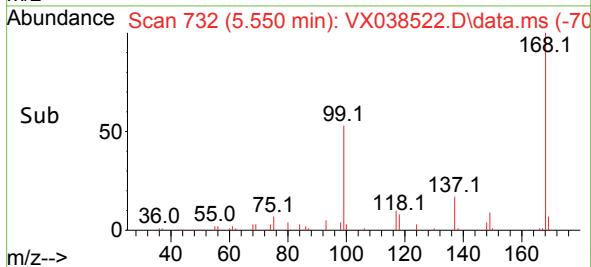
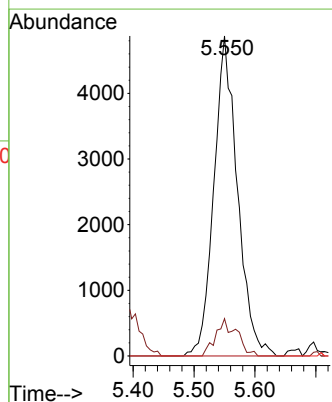
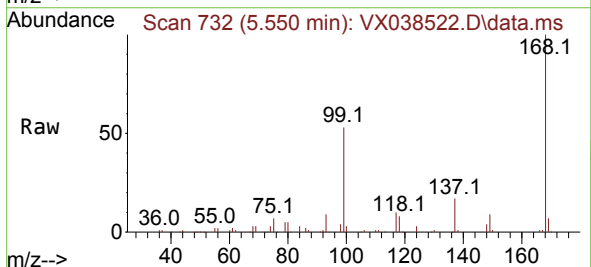


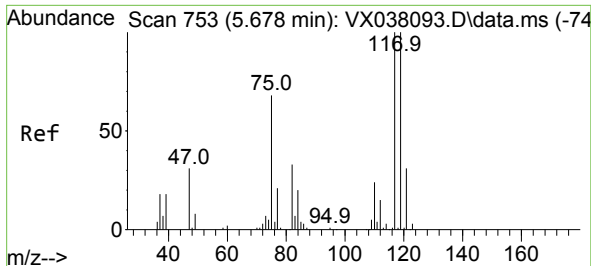
Tgt Ion:113 Resp: 107396
Ion Ratio Lower Upper
113 100
111 104.5 82.9 124.3
192 20.8 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.228 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

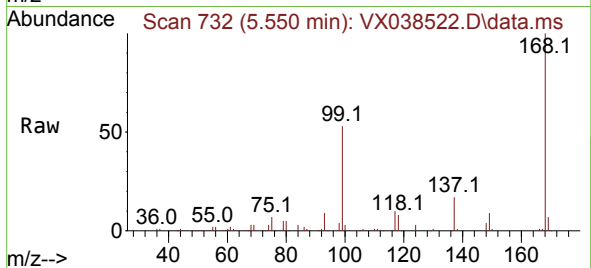
Tgt Ion: 75 Resp: 13086
Ion Ratio Lower Upper
75 100
110 10.4 17.0 50.9#
77 0.0 24.7 37.1#



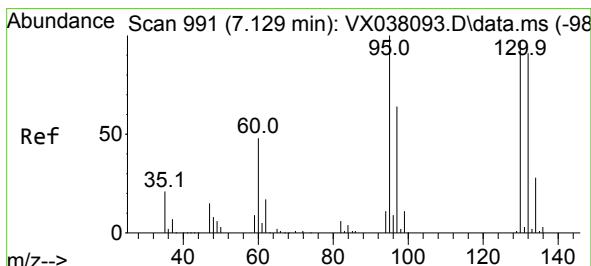
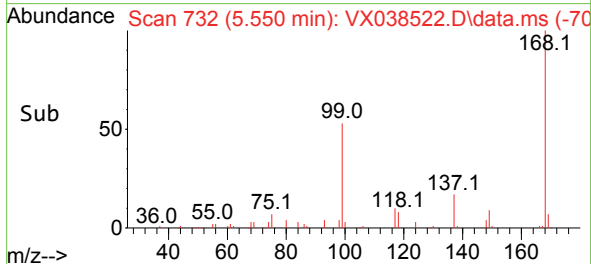
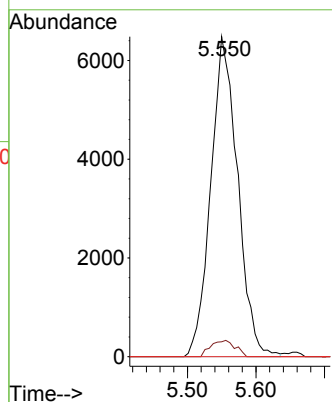


#38
Carbon Tetrachloride
Concen: 5.788 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :

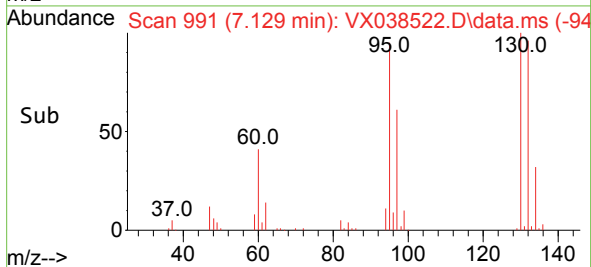
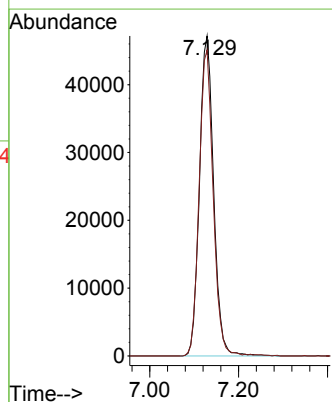
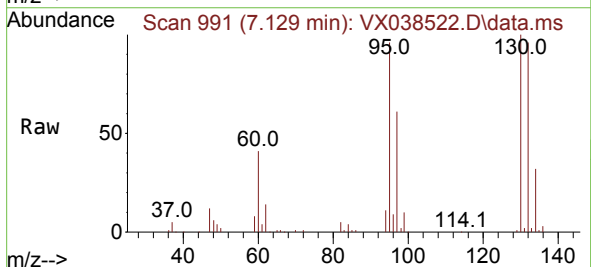


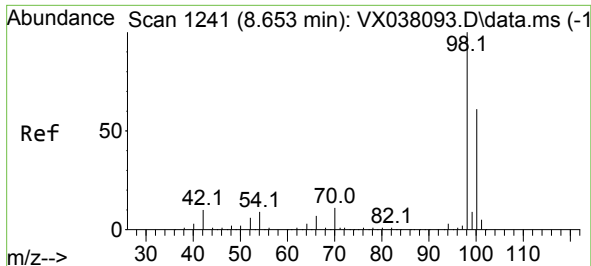
Tgt Ion:117 Resp: 17623
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 46.149 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

Tgt Ion:130 Resp: 104490
Ion Ratio Lower Upper
130 100
95 95.6 0.0 204.4

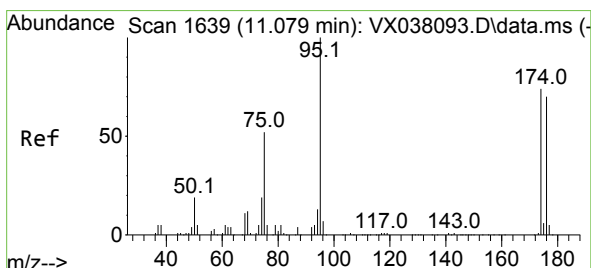
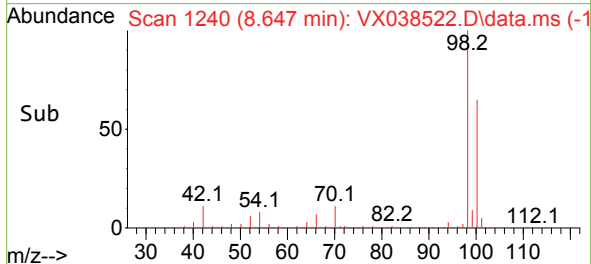
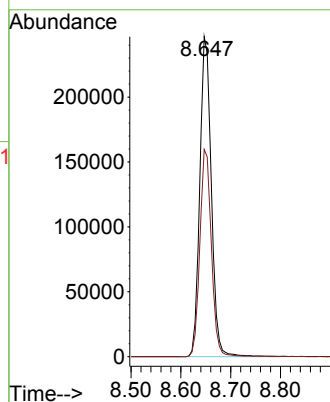
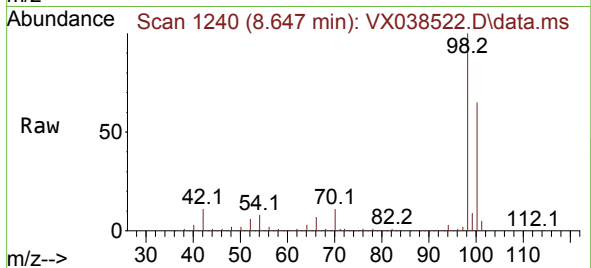




#50
Toluene-d8
Concen: 46.039 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

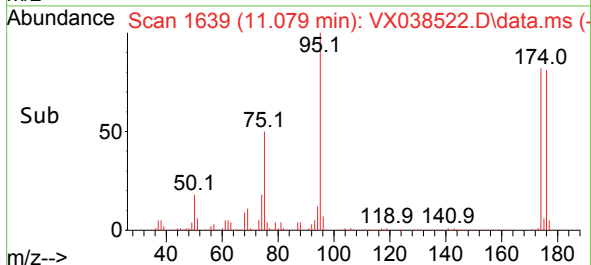
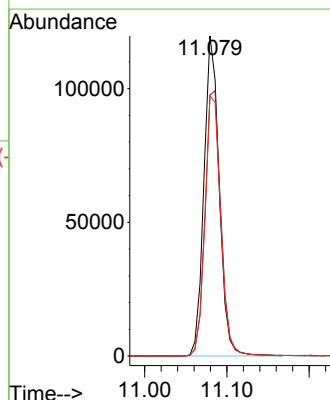
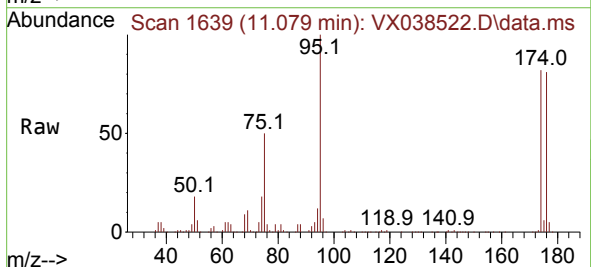
Instrument :
MSVOA_X
ClientSampleId :

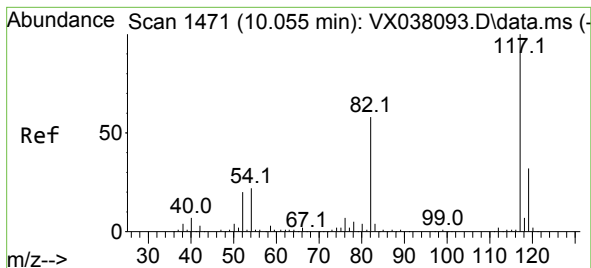
Tgt Ion: 98 Resp: 394857
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 47.303 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

Tgt Ion: 95 Resp: 153804
Ion Ratio Lower Upper
95 100
174 86.9 0.0 135.6
176 84.2 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: VX038522.D

Acq: 26 Oct 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

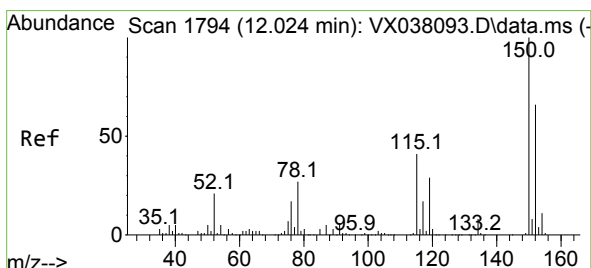
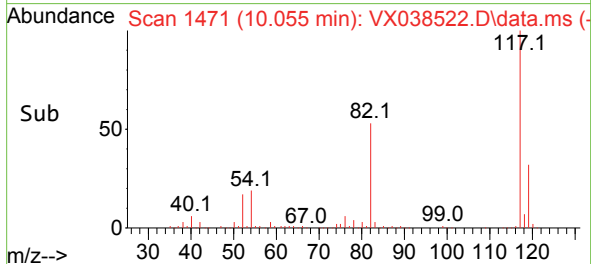
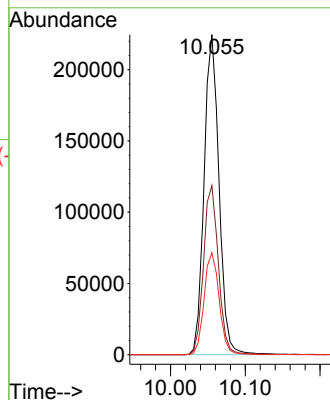
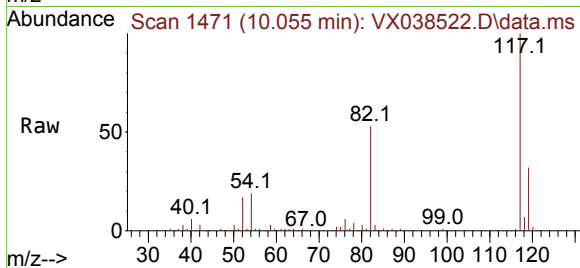
Tgt Ion:117 Resp: 311210

Ion Ratio Lower Upper

117 100

82 52.8 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: VX038522.D

Acq: 26 Oct 2023 16:55

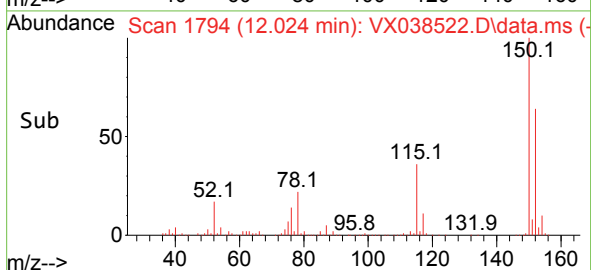
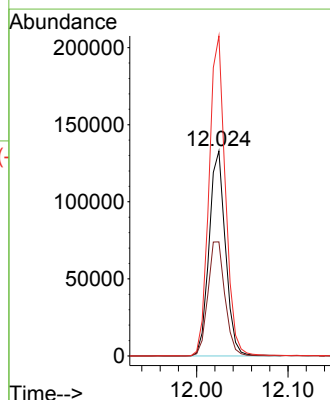
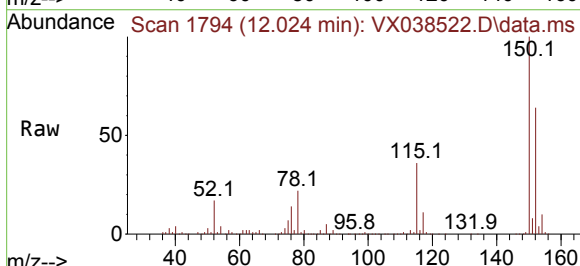
Tgt Ion:152 Resp: 165195

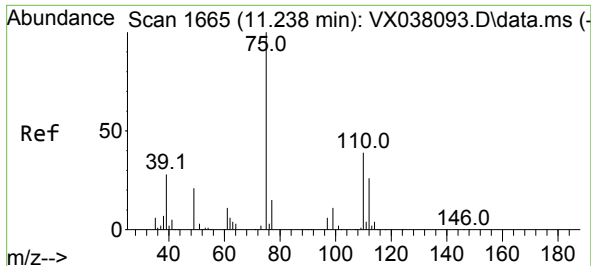
Ion Ratio Lower Upper

152 100

115 58.0 43.3 129.9

150 156.1 0.0 345.0

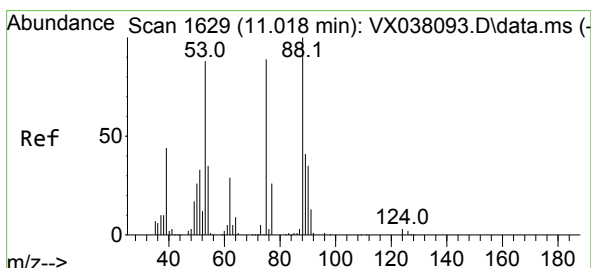
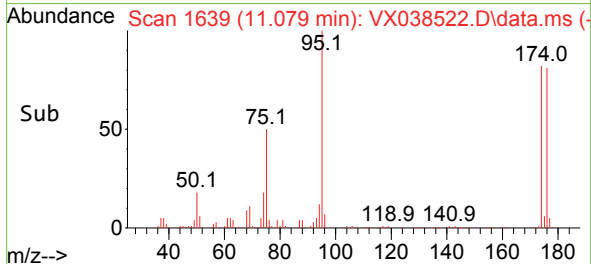
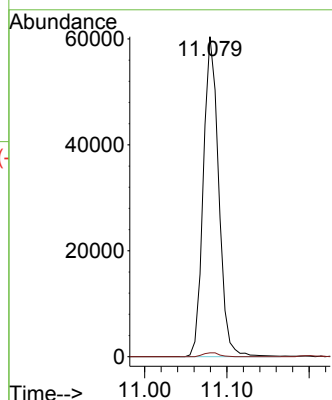
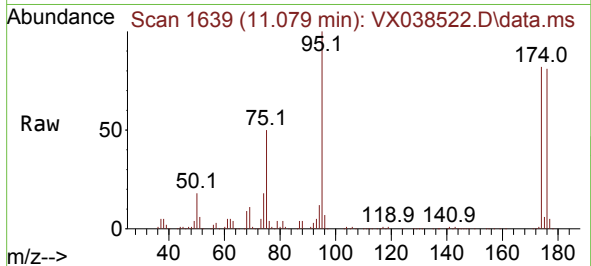




#76
1,2,3-Trichloropropane
Concen: 20.927 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

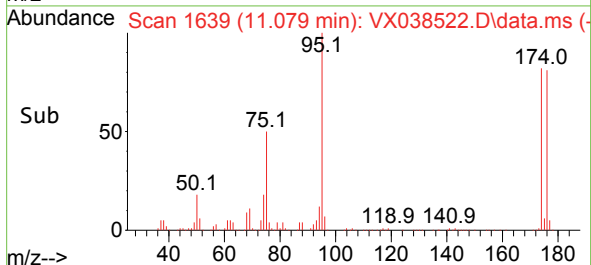
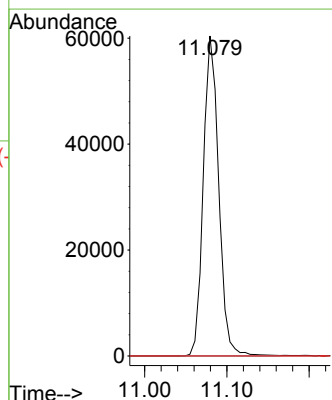
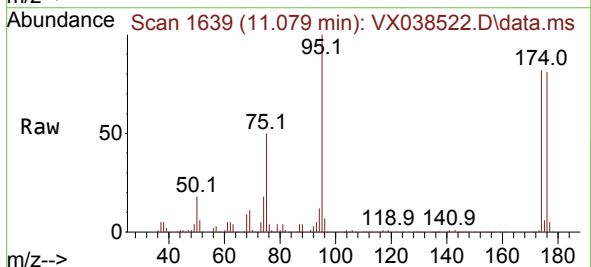
Instrument :
MSVOA_X
ClientSampleId :

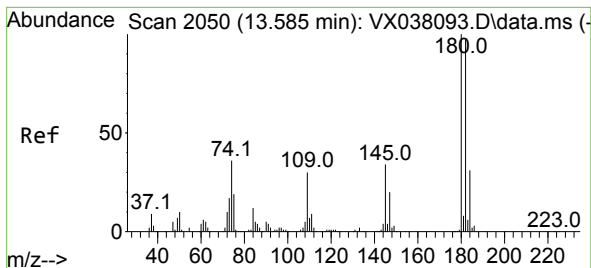
Tgt Ion: 75 Resp: 78590
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038522.D
Acq: 26 Oct 2023 16:55

Tgt Ion: 75 Resp: 78590
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.406 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX038522.D

Acq: 26 Oct 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

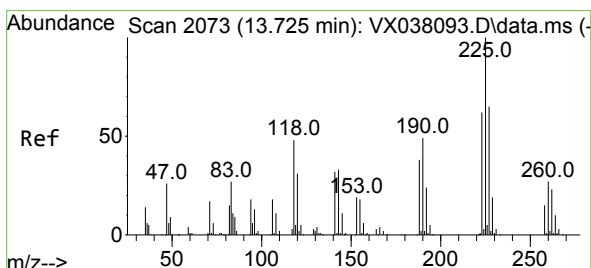
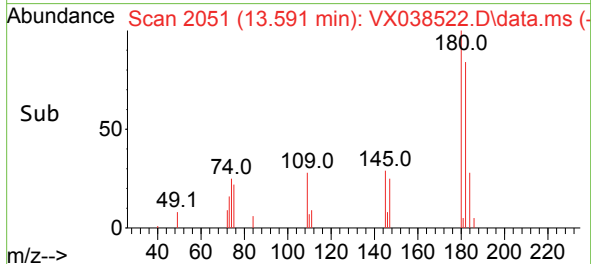
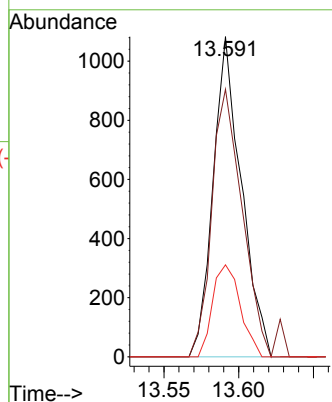
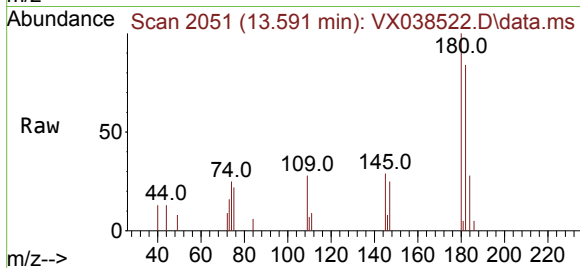
Tgt Ion:180 Resp: 1422

Ion Ratio Lower Upper

180 100

182 89.7 48.3 144.8

145 28.2 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.558 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX038522.D

Acq: 26 Oct 2023 16:55

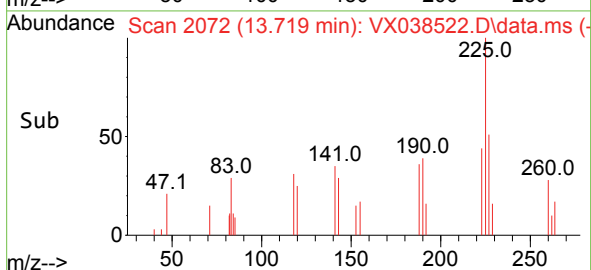
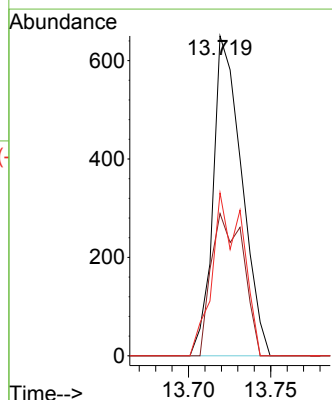
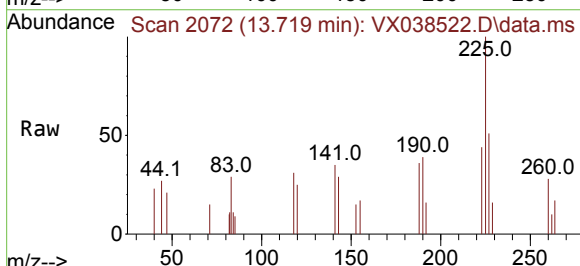
Tgt Ion:225 Resp: 786

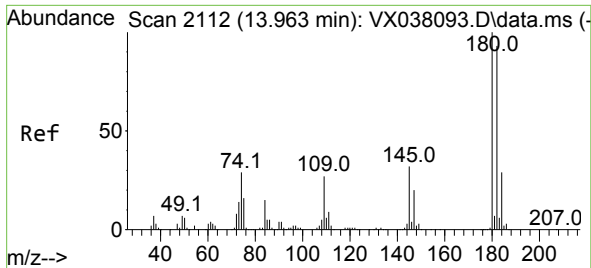
Ion Ratio Lower Upper

225 100

223 49.5 31.1 93.2

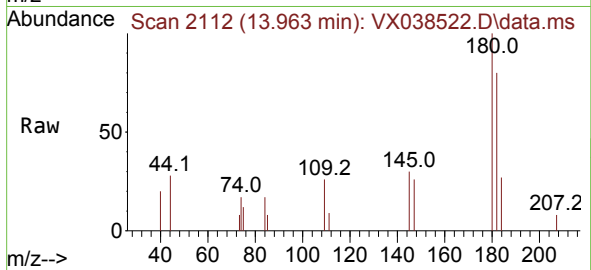
227 53.6 32.5 97.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.262 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX038522.D
 Acq: 26 Oct 2023 16:55

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	889
Ion	Ratio	Lower	Upper
180	100		
182	88.4	46.9	140.6
145	33.4	17.8	53.5

