

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102723\
 Data File : VX038594.D
 Acq On : 27 Oct 2023 11:58
 Operator : JC/MD
 Sample : 05097-01 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 30 01:28:09 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)

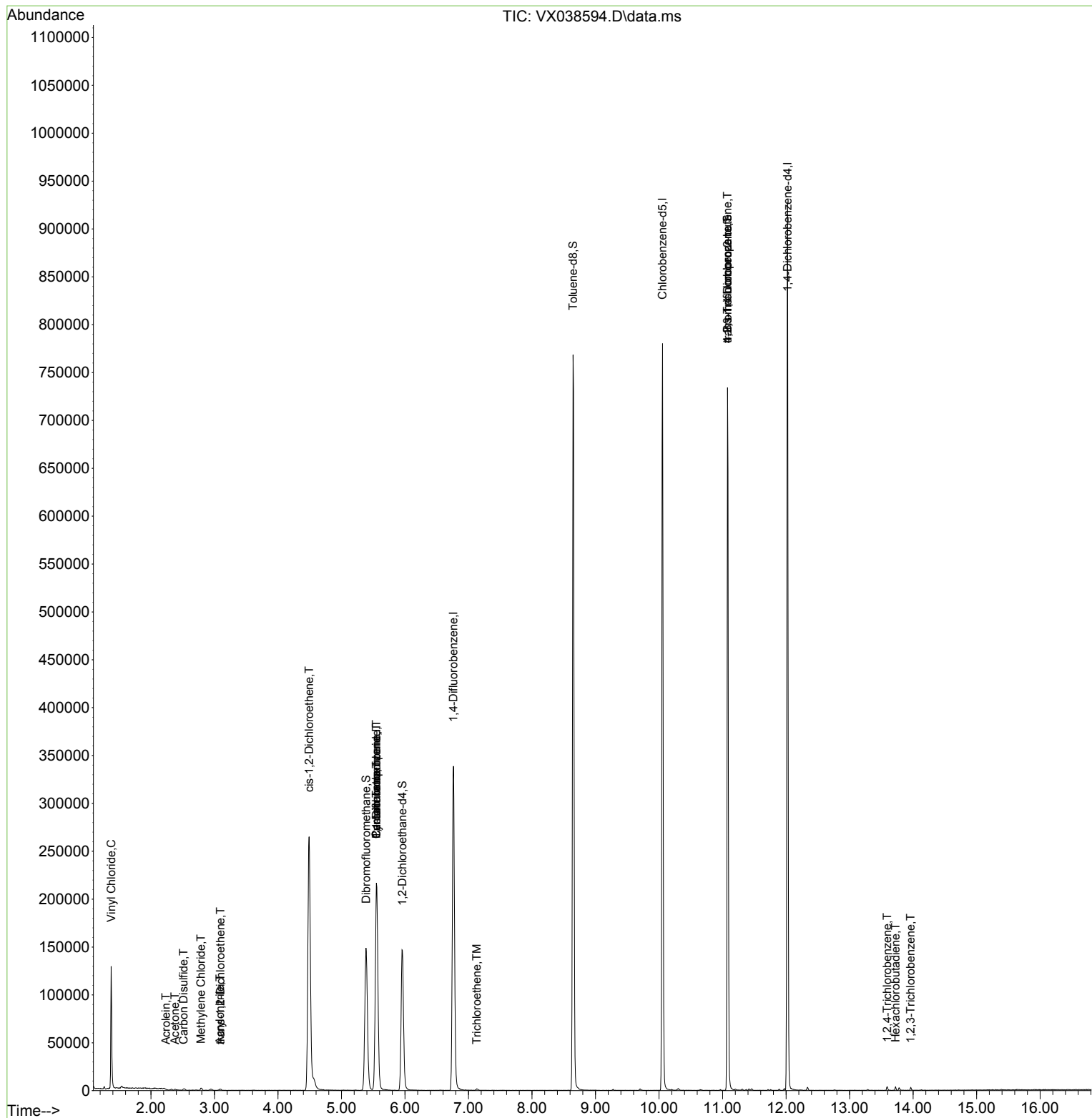
Internal Standards						
1) Pentafluorobenzene	5.550	168	216315	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	365407	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	369114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	203753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	142219	40.876	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	81.760%
35) Dibromofluoromethane	5.385	113	130169	49.438	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.880%
50) Toluene-d8	8.647	98	475221	47.233	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.460%
62) 4-Bromofluorobenzene	11.079	95	191196	50.126	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.260%
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.374	62	77640	32.905	ug/l	99
5) Bromomethane	1.617	94	172	Below Cal		96
11) Tert butyl alcohol	2.946	59	1103	Below Cal	#	78
13) Acrolein	2.233	56	105	0.212	ug/l	# 75
15) Acrylonitrile	3.087	53	325	0.205	ug/l	# 68
16) Acetone	2.380	43	1028	0.708	ug/l	# 85
17) Carbon Disulfide	2.514	76	1454	0.255	ug/l	# 95
20) Methylene Chloride	2.788	84	1266	0.464	ug/l	# 82
21) trans-1,2-Dichloroethene	3.093	96	655	0.267	ug/l	87
27) cis-1,2-Dichloroethene	4.489	96	176478	60.471	ug/l	78
31) Cyclohexane	5.550	56	4381	1.162	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	15392	4.239	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	21222	5.942	ug/l	# 14
44) Trichloroethene	7.129	130	685	0.258	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	98395	21.242	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	98395	61.056	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	1373	0.318	ug/l	96
94) Hexachlorobutadiene	13.725	225	636	0.366	ug/l	84
96) 1,2,3-Trichlorobenzene	13.963	180	971	0.232	ug/l	93

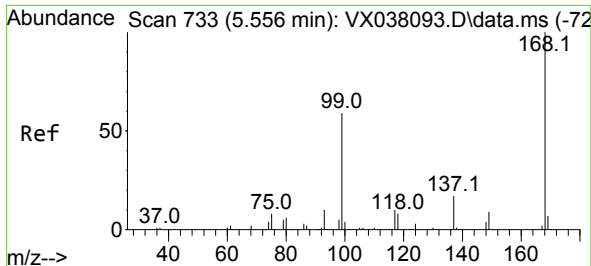
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 30 01:28:09 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

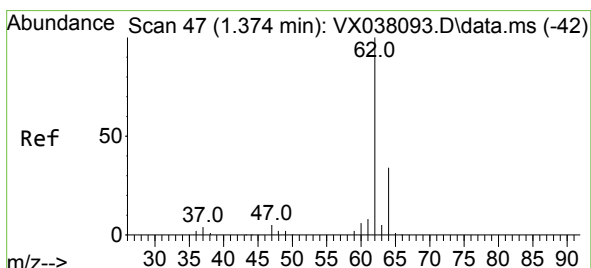
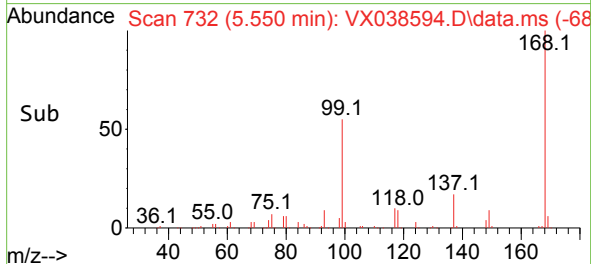
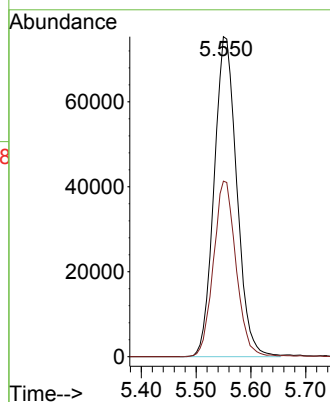
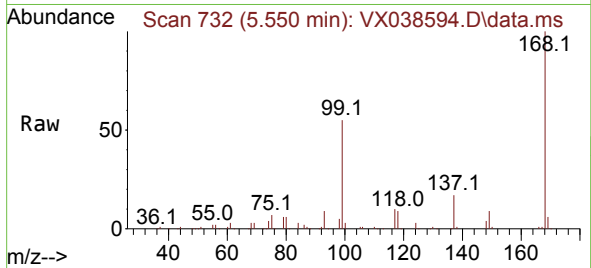




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

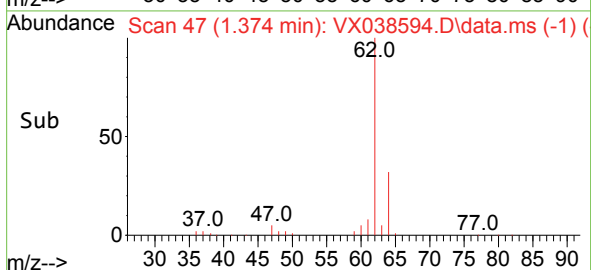
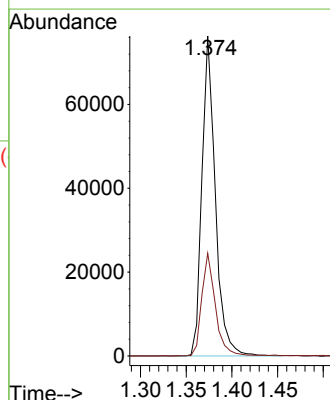
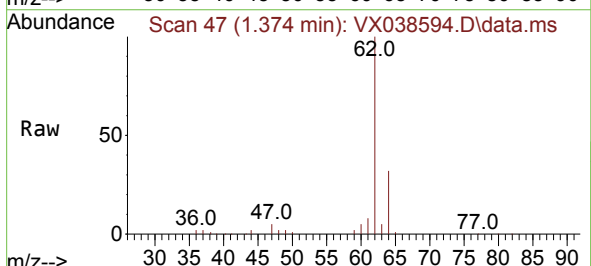
Instrument :
MSVOA_X
ClientSampleId :

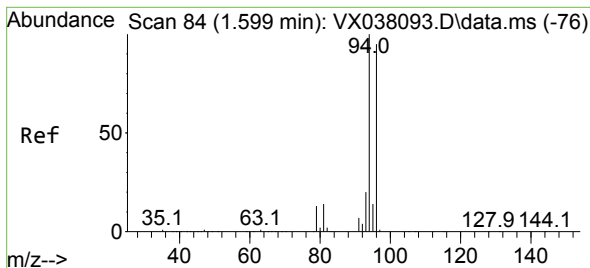
Tgt Ion:168 Resp: 216315
Ion Ratio Lower Upper
168 100
99 54.9 56.6 85.0#



#4
Vinyl Chloride
Concen: 32.905 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

Tgt Ion: 62 Resp: 77640
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.0





#5

Bromomethane

Concen: Below Cal

RT: 1.617 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX038594.D

Acq: 27 Oct 2023 11:58

Instrument :

MSVOA_X

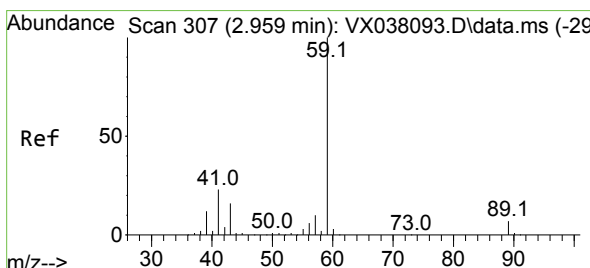
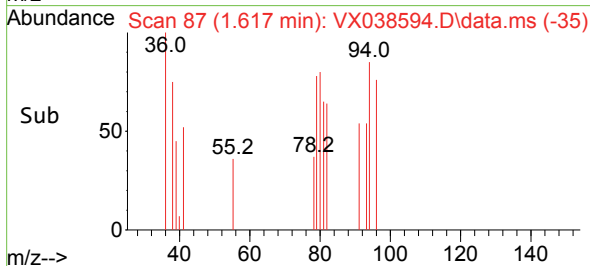
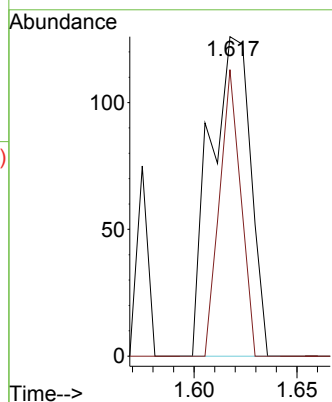
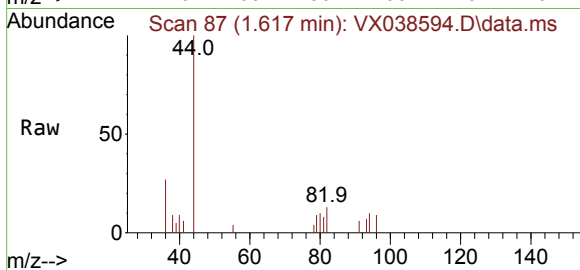
ClientSampleId :

Tgt Ion: 94 Resp: 172

Ion Ratio Lower Upper

94 100

96 89.7 74.6 111.8



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 305

Delta R.T. -0.013 min

Lab File: VX038594.D

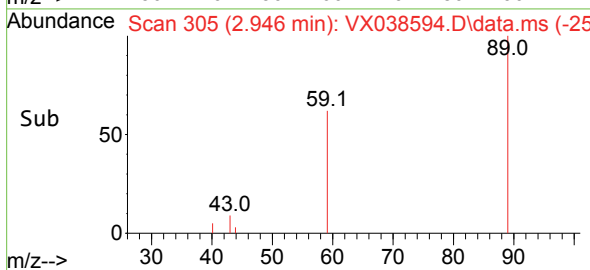
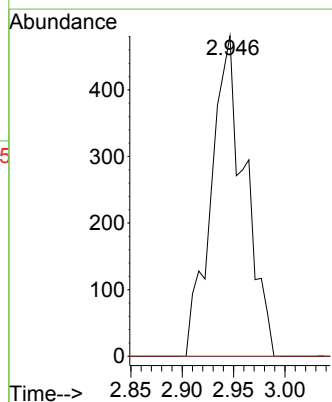
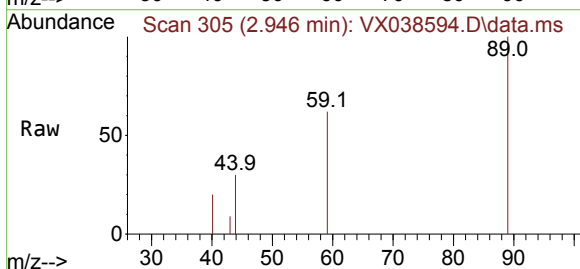
Acq: 27 Oct 2023 11:58

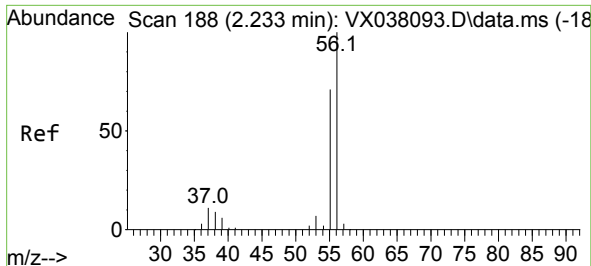
Tgt Ion: 59 Resp: 1103

Ion Ratio Lower Upper

59 100

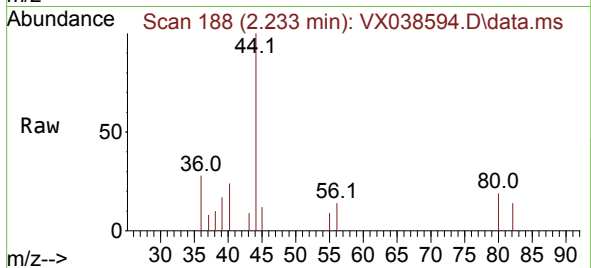
57 0.0 6.0 9.0#



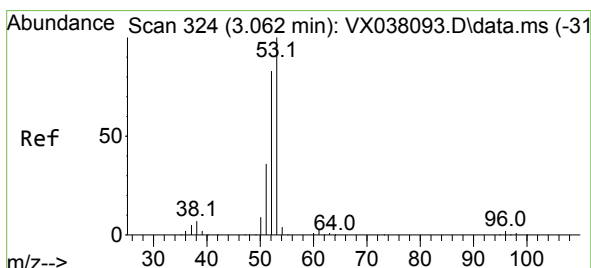
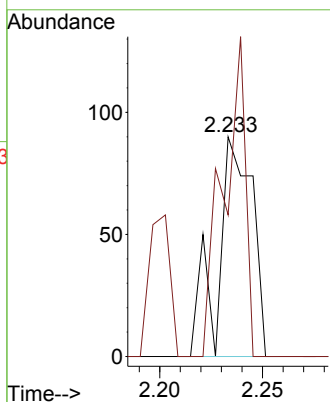
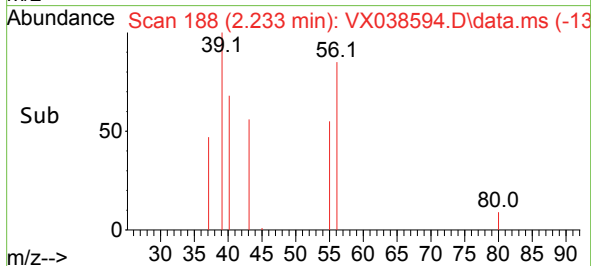


#13
Acrolein
Concen: 0.212 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

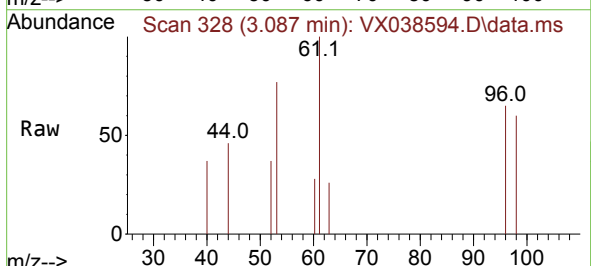
Instrument :
MSVOA_X
ClientSampleId :



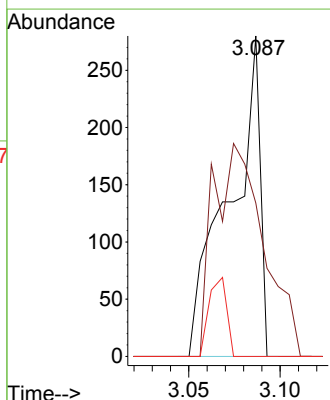
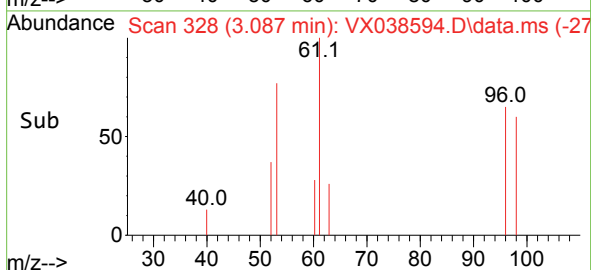
Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 92.4 57.1 85.7#

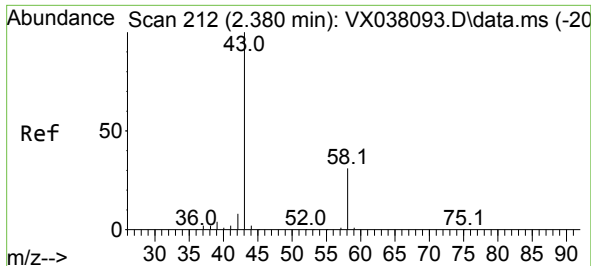


#15
Acrylonitrile
Concen: 0.205 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.025 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58



Tgt Ion: 53 Resp: 325
Ion Ratio Lower Upper
53 100
52 108.6 66.0 99.0#
51 14.2 29.8 44.6#

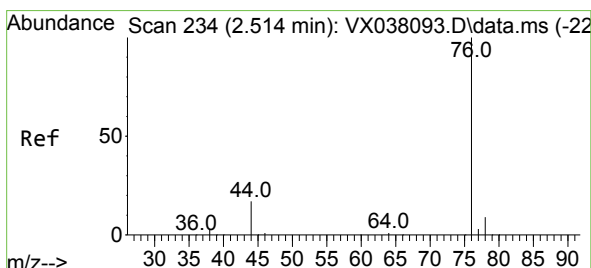
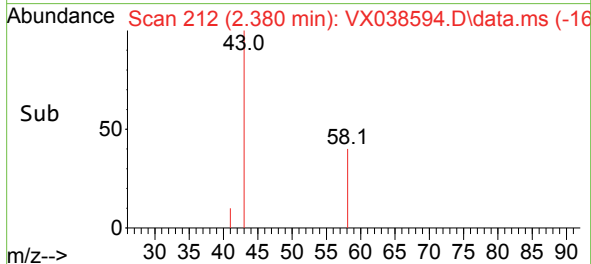
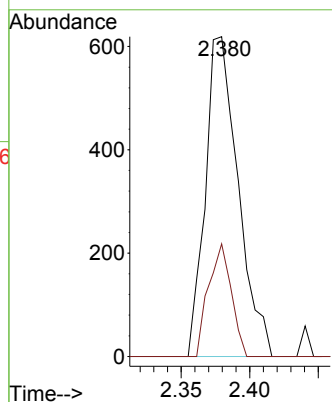
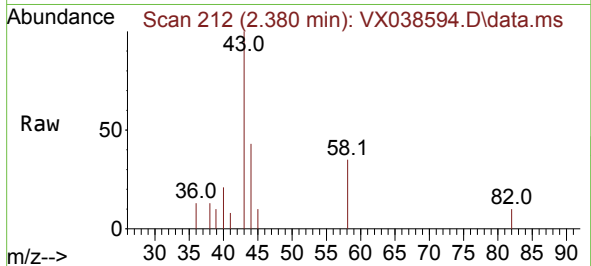




#16
Acetone
Concen: 0.708 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

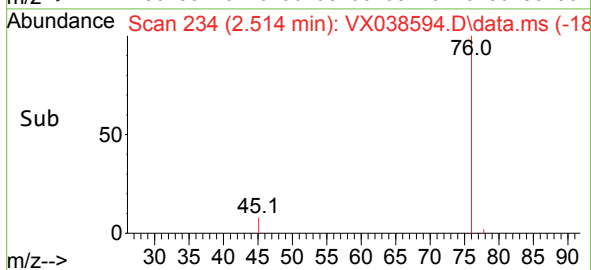
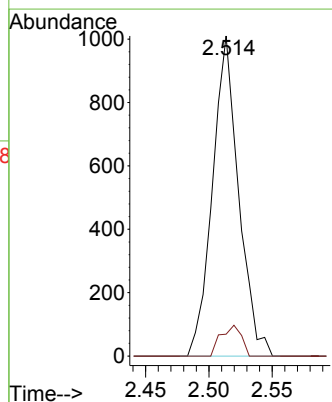
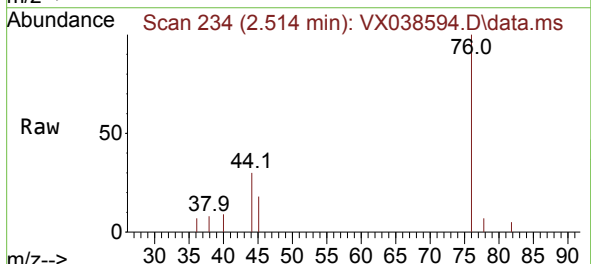
Instrument :
MSVOA_X
ClientSampleId :

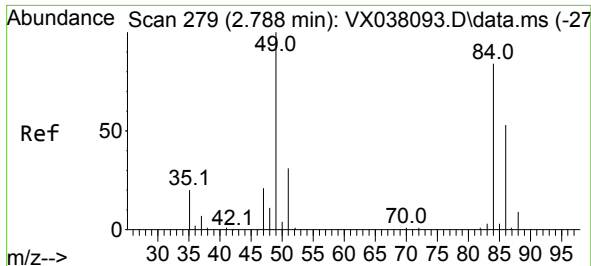
Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
58 35.2 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.255 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

Tgt Ion: 76 Resp: 1454
Ion Ratio Lower Upper
76 100
78 6.8 7.0 10.6#

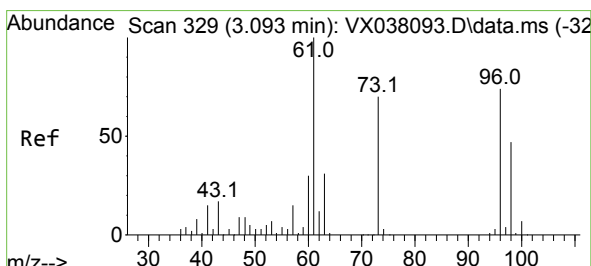
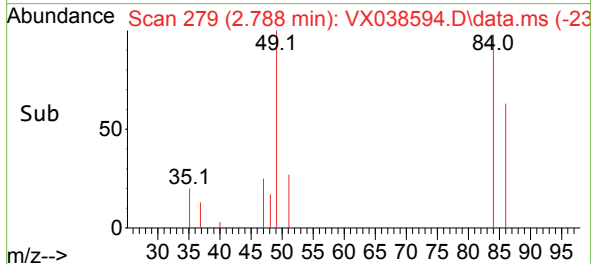
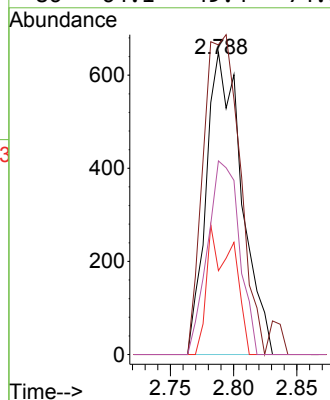
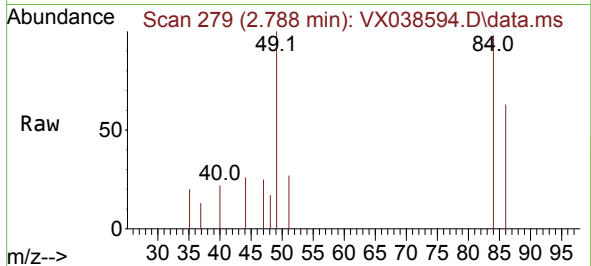




#20
Methylene Chloride
Concen: 0.464 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

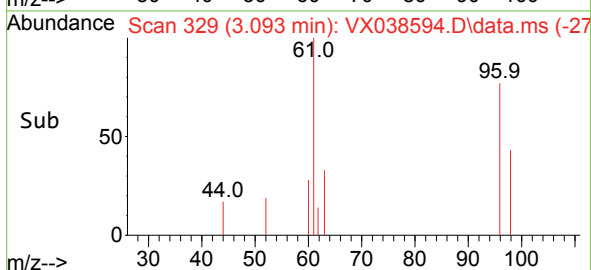
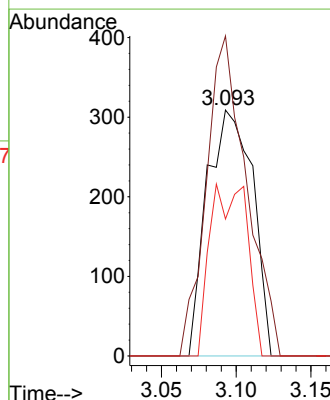
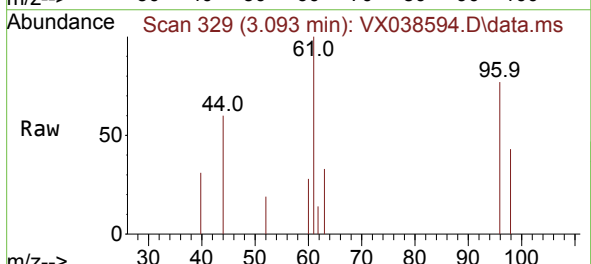
Instrument :
MSVOA_X
ClientSampleId :

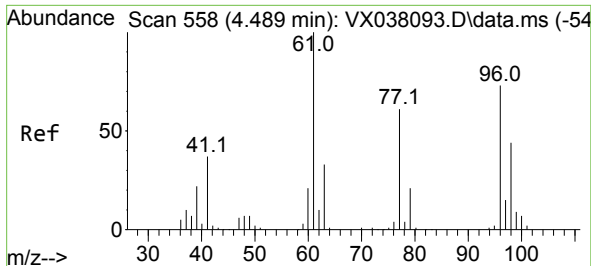
Tgt Ion: 84 Resp: 1266
Ion Ratio Lower Upper
84 100
49 102.5 103.6 155.4#
51 27.7 33.8 50.6#
86 64.1 49.4 74.0



#21
trans-1,2-Dichloroethene
Concen: 0.267 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

Tgt Ion: 96 Resp: 655
Ion Ratio Lower Upper
96 100
61 130.1 119.2 178.8
98 55.7 48.7 73.1

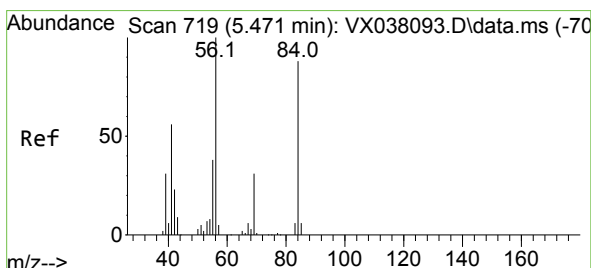
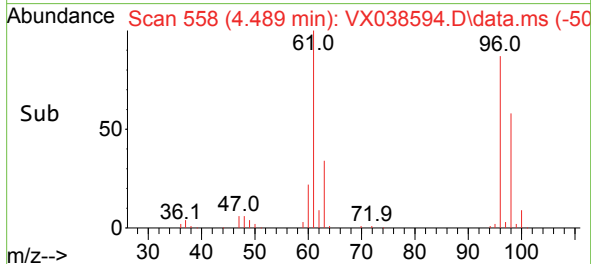
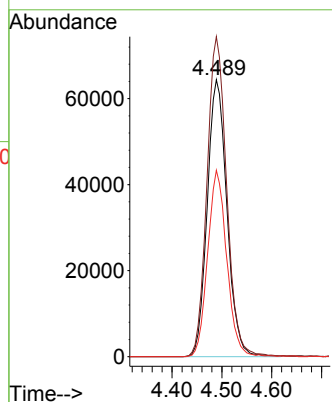
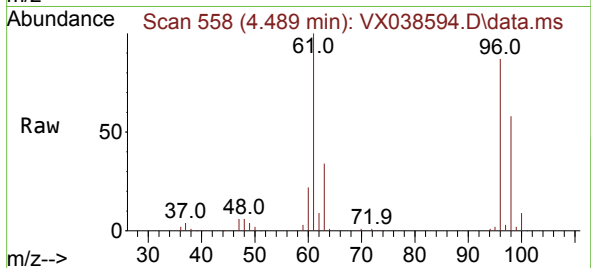




#27
 cis-1,2-Dichloroethene
 Concen: 60.471 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX038594.D
 Acq: 27 Oct 2023 11:58

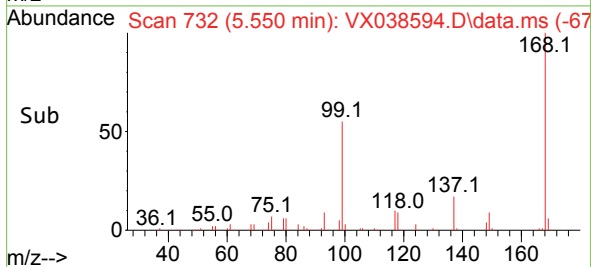
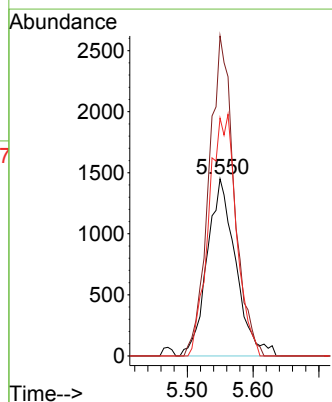
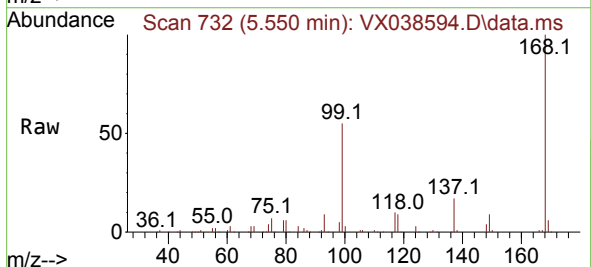
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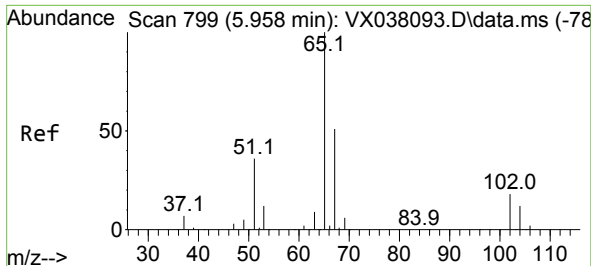
Tgt Ion: 96 Resp: 176478
 Ion Ratio Lower Upper
 96 100
 61 115.6 0.0 312.2
 98 65.2 0.0 129.0



#31
 Cyclohexane
 Concen: 1.162 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.079 min
 Lab File: VX038594.D
 Acq: 27 Oct 2023 11:58

Tgt Ion: 56 Resp: 4381
 Ion Ratio Lower Upper
 56 100
 69 180.7 23.4 35.2#
 84 134.3 65.9 98.9#

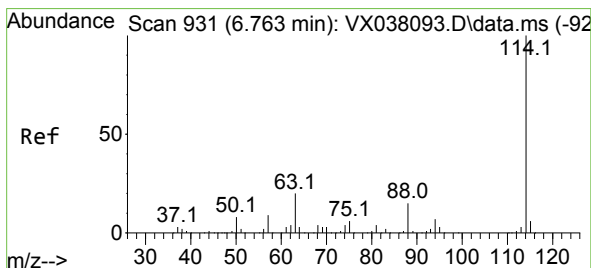
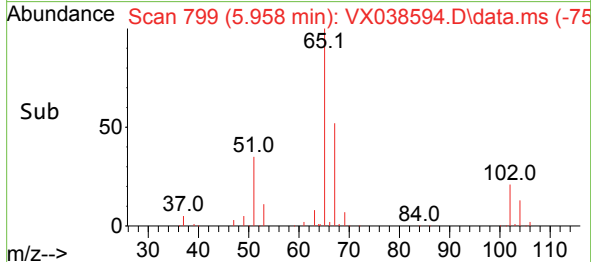
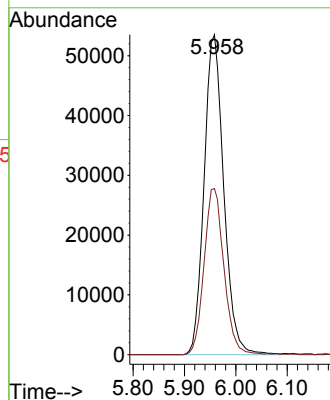
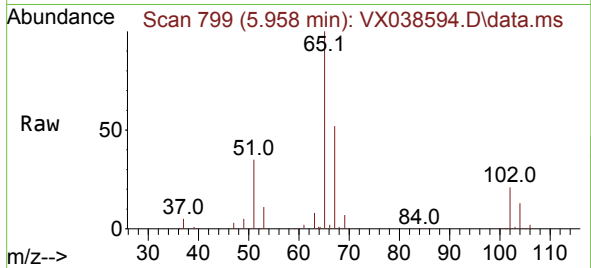




#33
 1,2-Dichloroethane-d4
 Concen: 40.876 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038594.D
 Acq: 27 Oct 2023 11:58

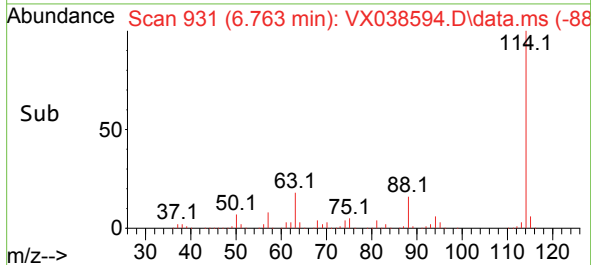
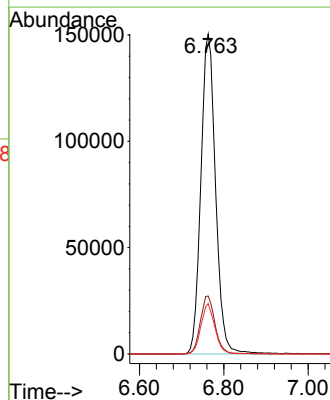
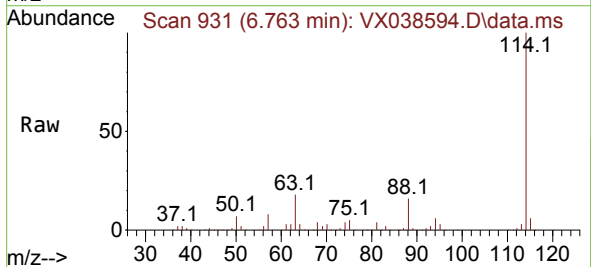
Instrument :
 MSVOA_X
 ClientSampleId :

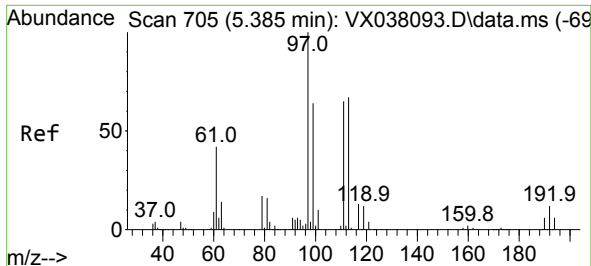
Tgt Ion: 65 Resp: 142219
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX038594.D
 Acq: 27 Oct 2023 11:58

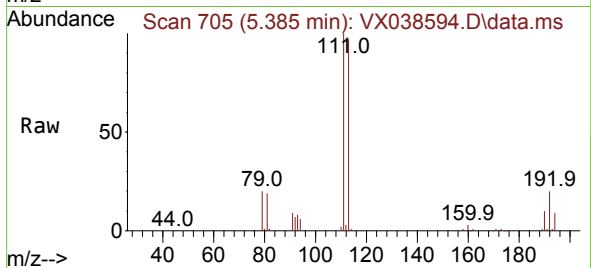
Tgt Ion:114 Resp: 365407
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 45.0
 88 15.7 0.0 36.6



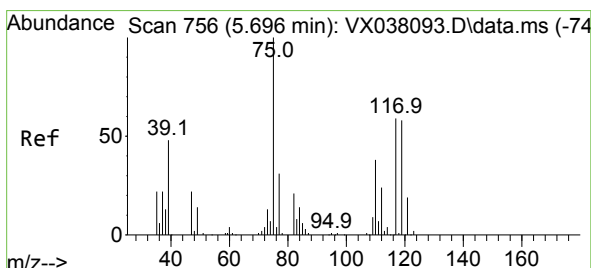
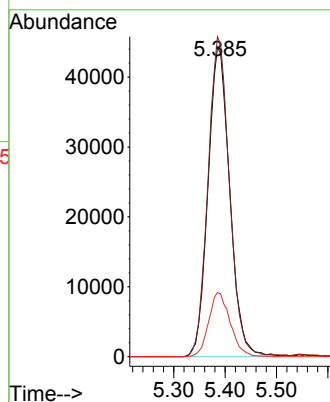
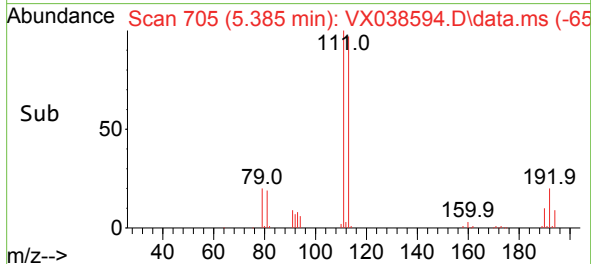


#35
Dibromofluoromethane
Concen: 49.438 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

Instrument :
MSVOA_X
ClientSampleId :

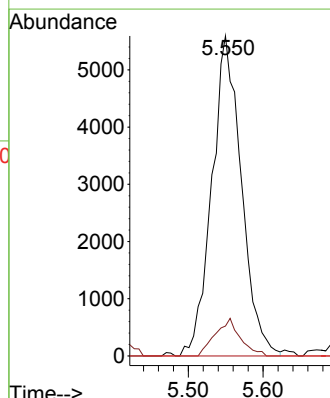
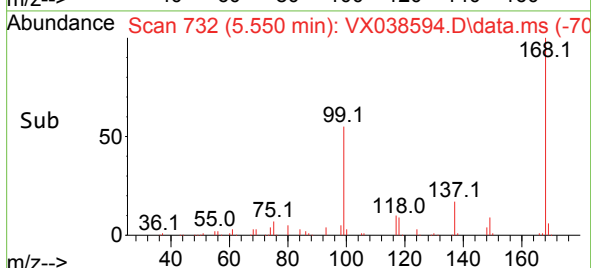
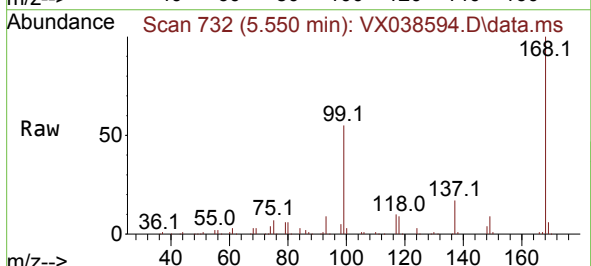


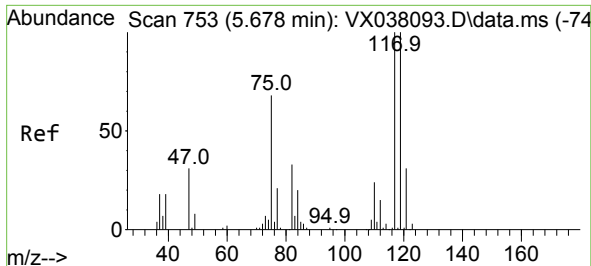
Tgt Ion:113 Resp: 130169
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 20.5 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.239 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

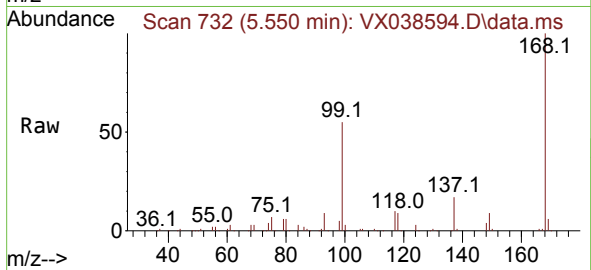
Tgt Ion: 75 Resp: 15392
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#



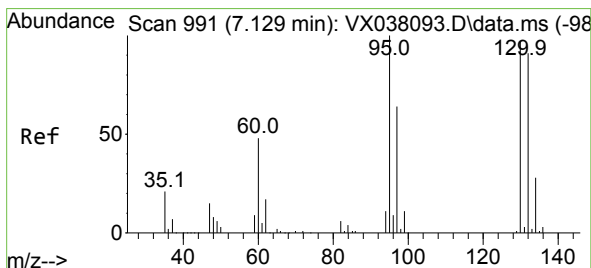
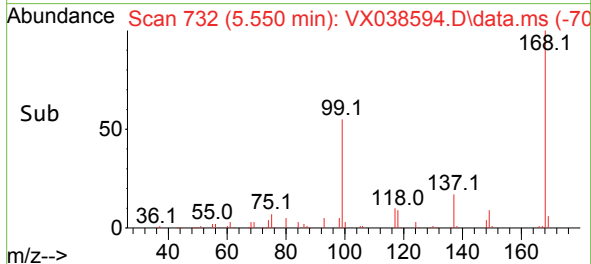
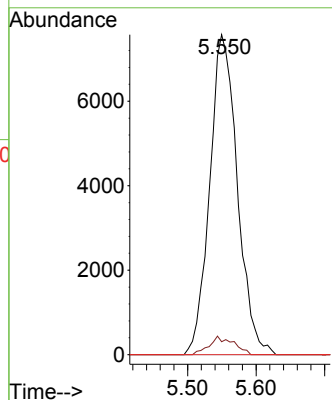


#38
Carbon Tetrachloride
Concen: 5.942 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

Instrument :
MSVOA_X
ClientSampleId :

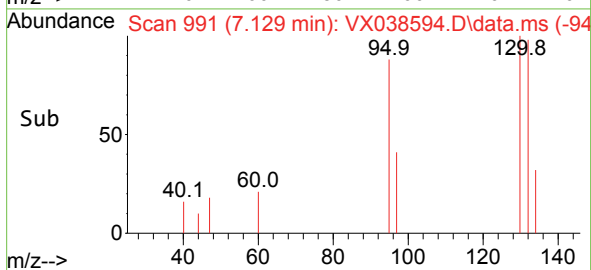
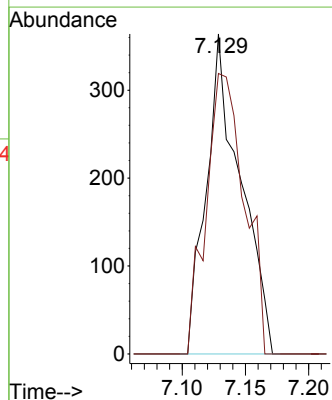
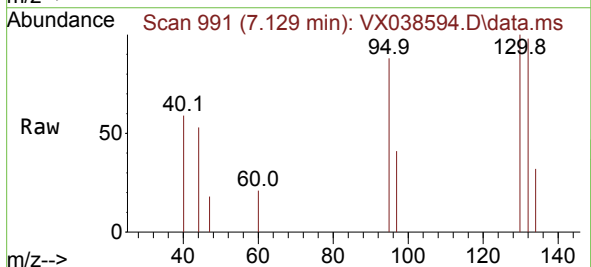


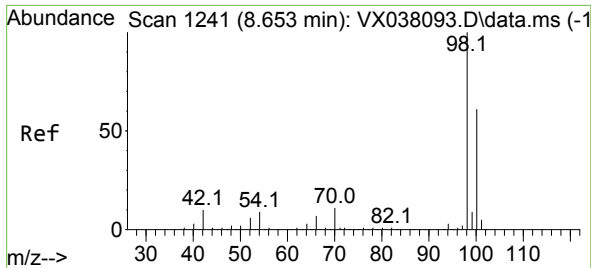
Tgt Ion:117 Resp: 21222
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.258 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

Tgt Ion:130 Resp: 685
Ion Ratio Lower Upper
130 100
95 87.6 0.0 204.4

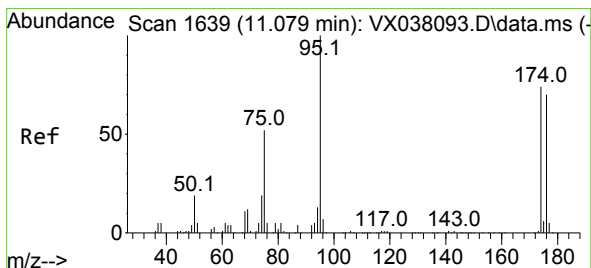
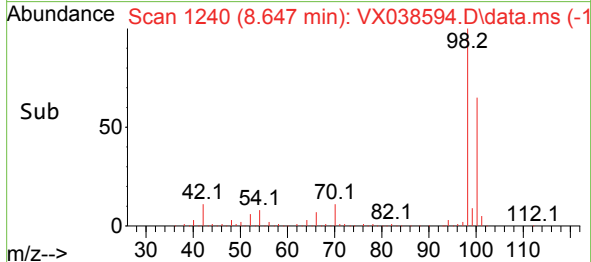
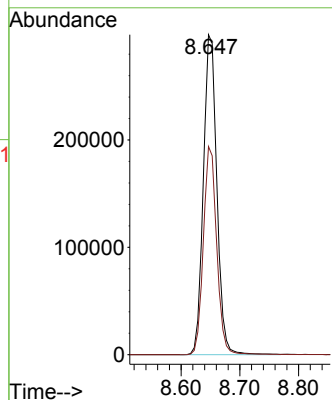
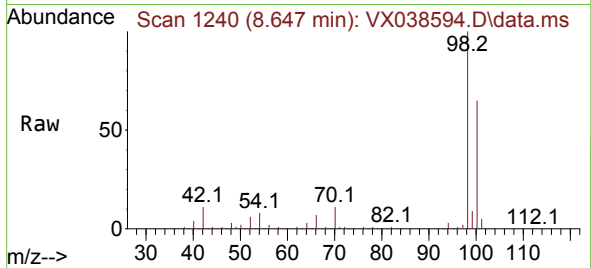




#50
Toluene-d8
Concen: 47.233 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

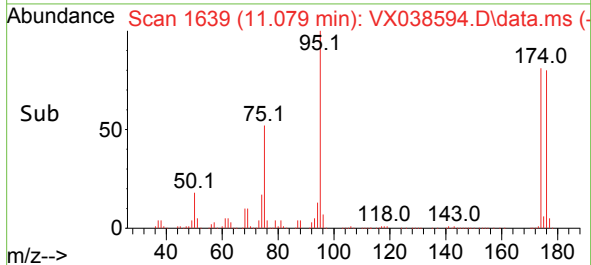
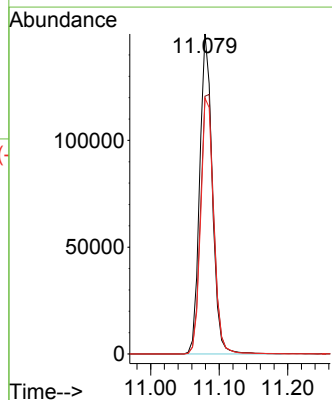
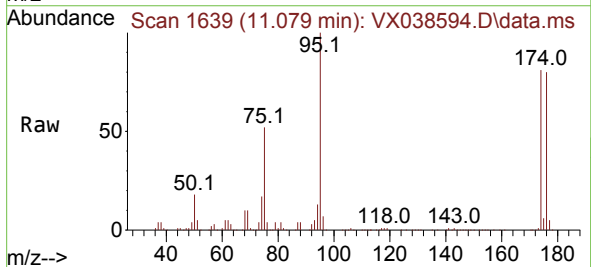
Instrument :
MSVOA_X
ClientSampleId :

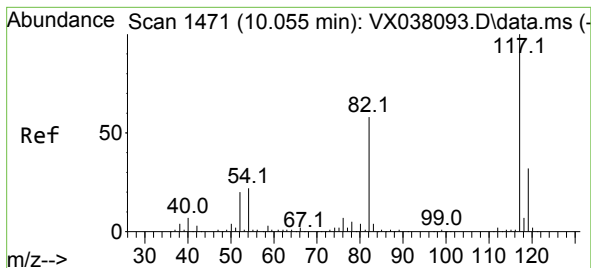
Tgt Ion: 98 Resp: 475221
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 50.126 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038594.D
Acq: 27 Oct 2023 11:58

Tgt Ion: 95 Resp: 191196
Ion Ratio Lower Upper
95 100
174 86.9 0.0 135.6
176 83.1 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: VX038594.D

Acq: 27 Oct 2023 11:58

Instrument :

MSVOA_X

ClientSampleId :

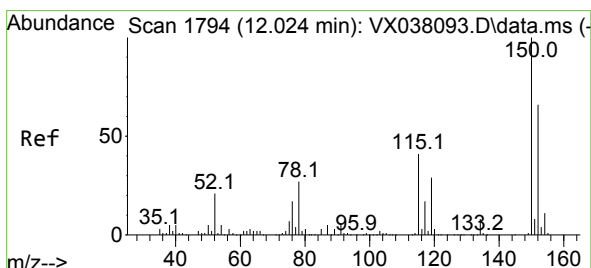
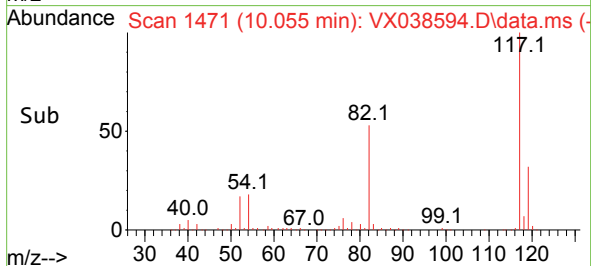
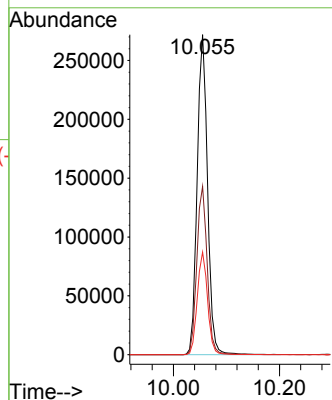
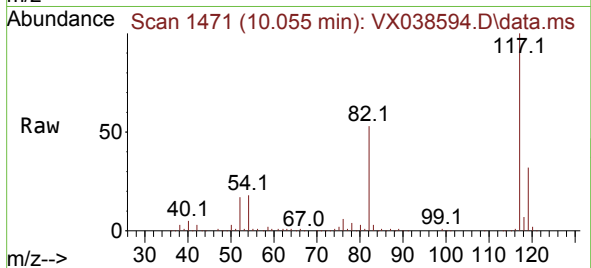
Tgt Ion:117 Resp: 369114

Ion Ratio Lower Upper

117 100

82 52.6 46.2 69.4

119 32.1 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: VX038594.D

Acq: 27 Oct 2023 11:58

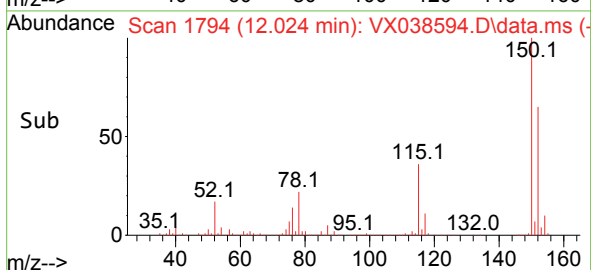
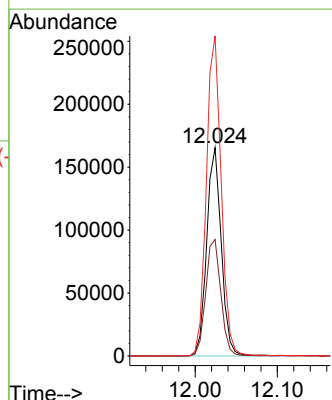
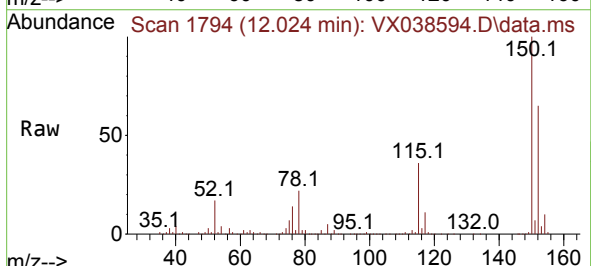
Tgt Ion:152 Resp: 203753

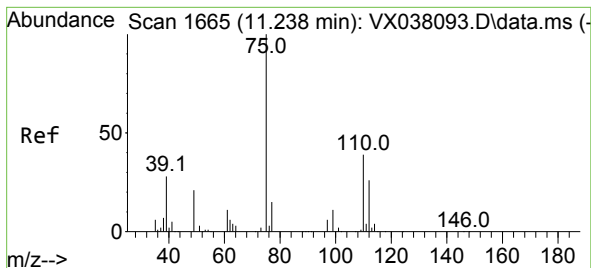
Ion Ratio Lower Upper

152 100

115 58.1 43.3 129.9

150 156.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.242 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038594.D

Acq: 27 Oct 2023 11:58

Instrument :

MSVOA_X

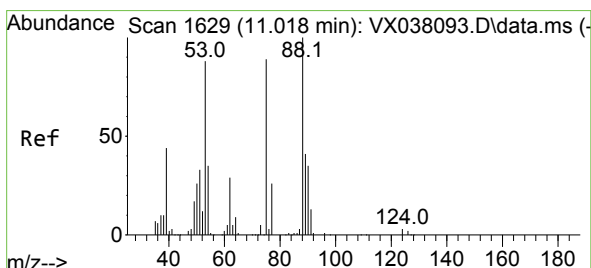
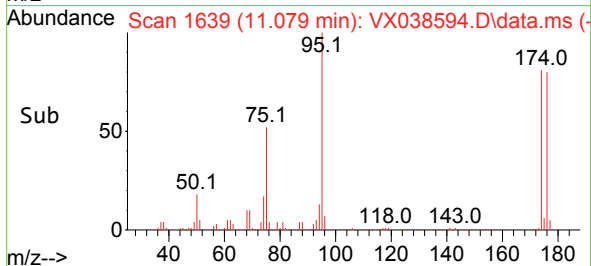
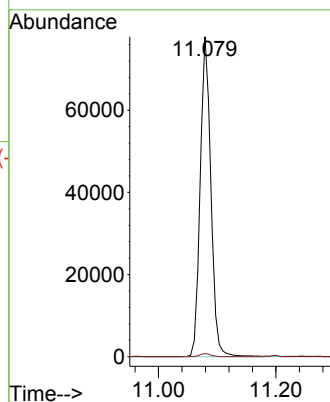
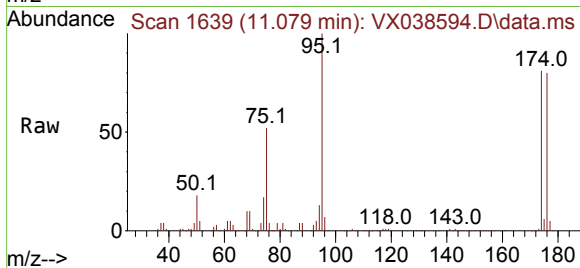
ClientSampleId :

Tgt Ion: 75 Resp: 98395

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.056 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038594.D

Acq: 27 Oct 2023 11:58

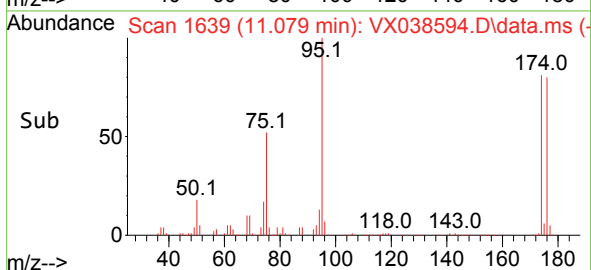
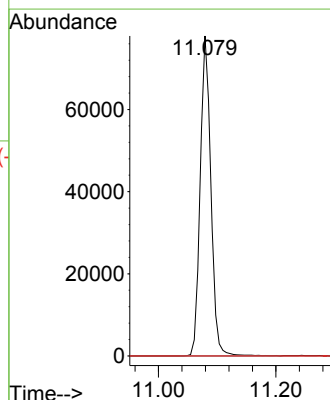
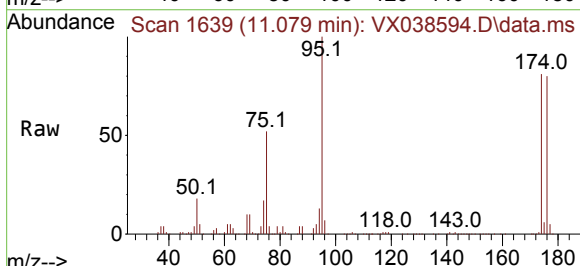
Tgt Ion: 75 Resp: 98395

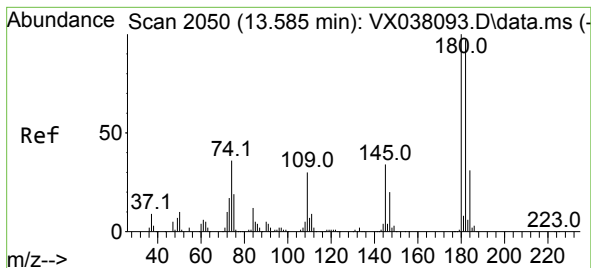
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.318 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX038594.D

Acq: 27 Oct 2023 11:58

Instrument :

MSVOA_X

ClientSampleId :

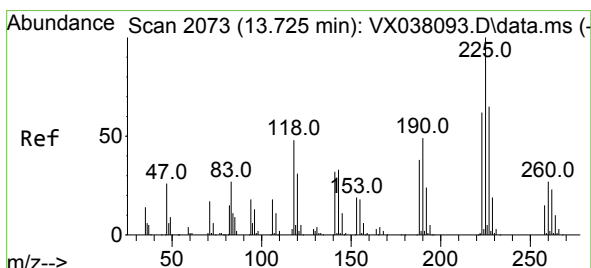
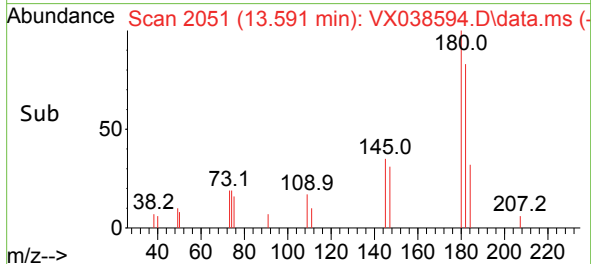
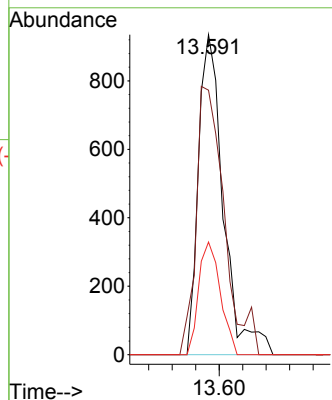
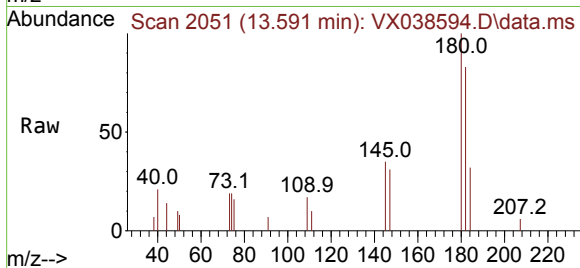
Tgt Ion:180 Resp: 1373

Ion Ratio Lower Upper

180 100

182 94.6 48.3 144.8

145 30.7 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.366 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX038594.D

Acq: 27 Oct 2023 11:58

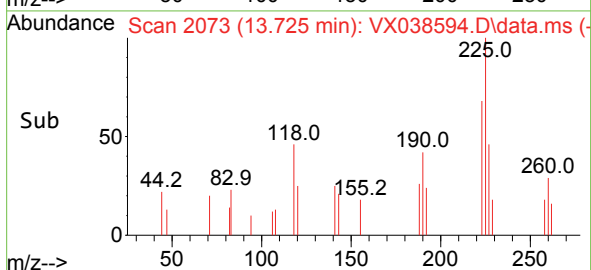
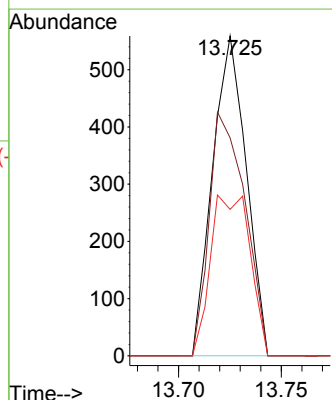
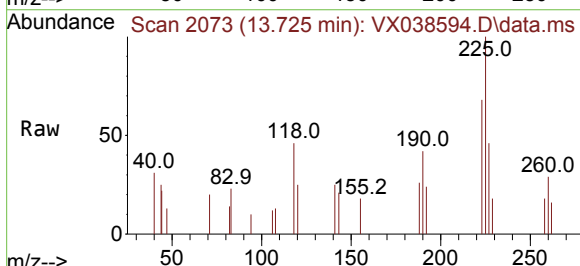
Tgt Ion:225 Resp: 636

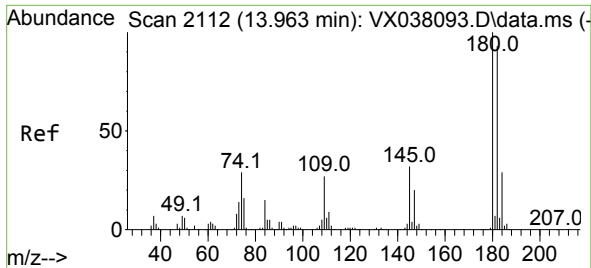
Ion Ratio Lower Upper

225 100

223 81.0 31.1 93.2

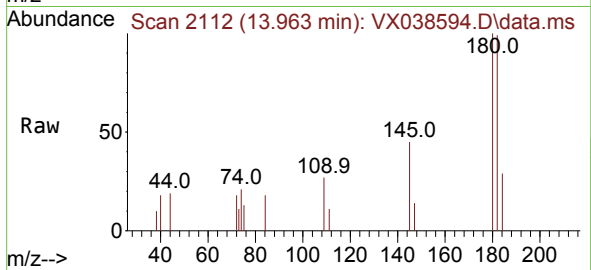
227 59.0 32.5 97.5





#96
 1,2,3-Trichlorobenzene
 Concen: 0.232 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX038594.D
 Acq: 27 Oct 2023 11:58

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	971
Ion	Ratio	Lower	Upper
180	100		
182	99.8	46.9	140.6
145	30.8	17.8	53.5

