

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101623\
 Data File : VX038307.D
 Acq On : 16 Oct 2023 16:32
 Operator : JC/MD
 Sample : 04899-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 17 01:24:43 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

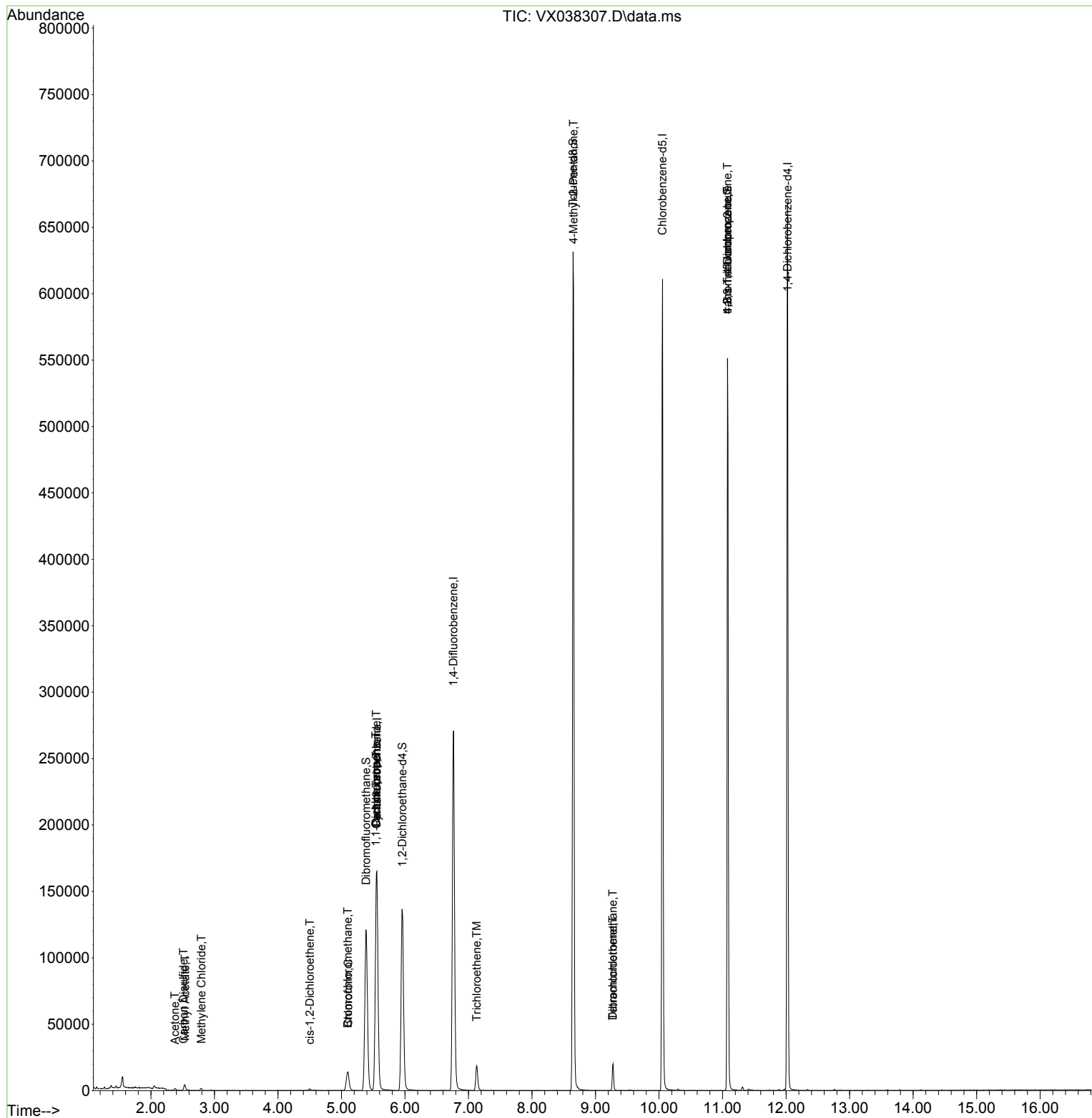
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	157709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	273954	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	132529	52.246	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.500%
35) Dibromofluoromethane	5.385	113	103070	52.214	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.420%
50) Toluene-d8	8.647	98	384285	50.945	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.880%
62) 4-Bromofluorobenzene	11.079	95	141786	49.581	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.160%
Target Compounds						Qvalue
5) Bromomethane	1.611	94	18	Below Cal	#	3
6) Chloroethane	1.672	64	122	Below Cal	#	43
11) Tert butyl alcohol	2.959	59	25	Below Cal	#	78
16) Acetone	2.380	43	1460	1.379	ug/l #	88
17) Carbon Disulfide	2.514	76	997	0.240	ug/l #	76
18) Methyl Acetate	2.538	43	1402	0.309	ug/l #	53
20) Methylene Chloride	2.794	84	778	0.391	ug/l #	82
27) cis-1,2-Dichloroethene	4.501	96	692	0.325	ug/l	65
28) Bromochloromethane	5.099	49	1295	0.874	ug/l #	16
30) Chloroform	5.105	83	17209	4.794	ug/l	98
31) Cyclohexane	5.550	56	3717	1.352	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	13140	4.827	ug/l #	50
38) Carbon Tetrachloride	5.550	117	16716	6.242	ug/l #	17
44) Trichloroethene	7.129	130	7105	3.568	ug/l	93
51) 4-Methyl-2-Pentanone	8.653	43	1673	0.503	ug/l #	1
60) Dibromochloromethane	9.275	129	3182	1.533	ug/l #	11
64) Tetrachloroethene	9.275	164	3610	2.064	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	78198	25.183	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	78198	71.634	ug/l #	5

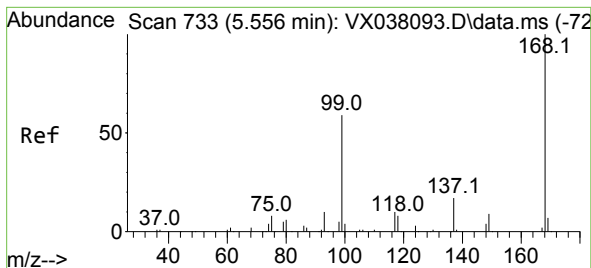
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 17 01:24:43 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: 5.556 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX038307.D

Acq: 16 Oct 2023 16:32

Instrument :

MSVOA_X

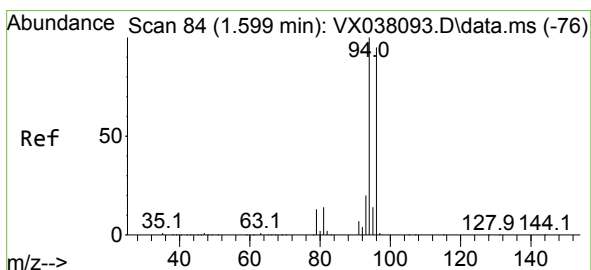
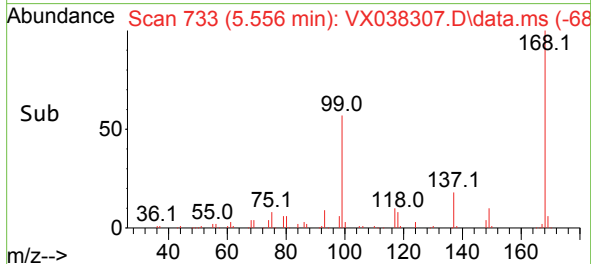
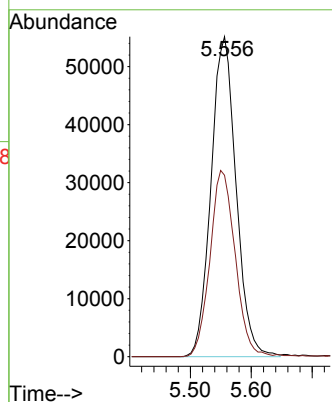
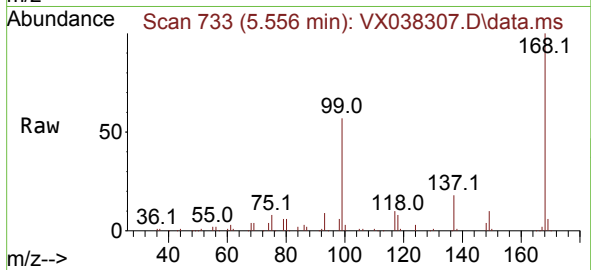
ClientSampleId :

Tgt Ion:168 Resp: 157709

Ion Ratio Lower Upper

168 100

99 56.7 56.6 85.0



#5

Bromomethane

Concen: Below Cal

RT: 1.611 min Scan# 86

Delta R.T. 0.012 min

Lab File: VX038307.D

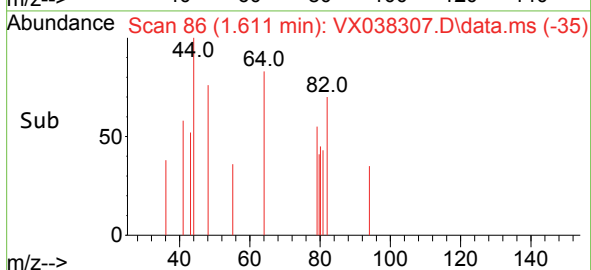
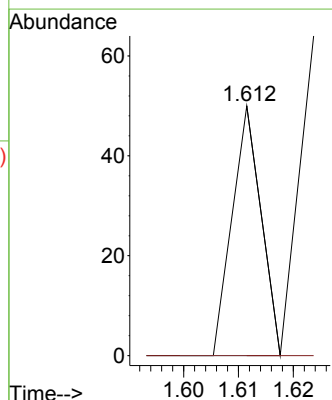
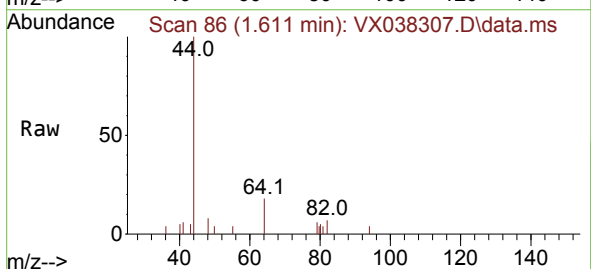
Acq: 16 Oct 2023 16:32

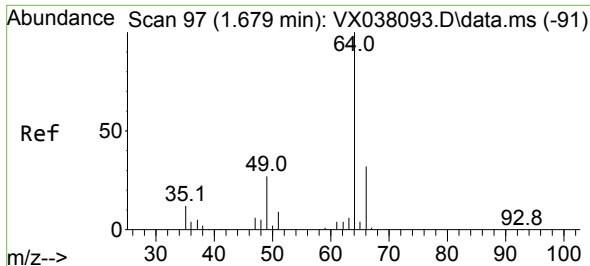
Tgt Ion: 94 Resp: 18

Ion Ratio Lower Upper

94 100

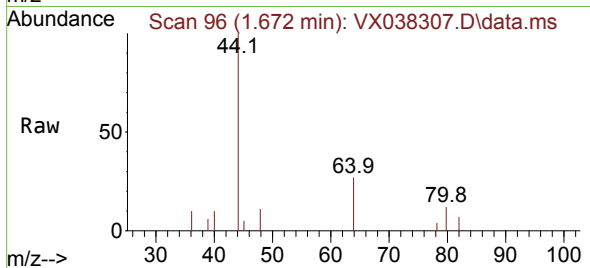
96 0.0 74.6 111.8#



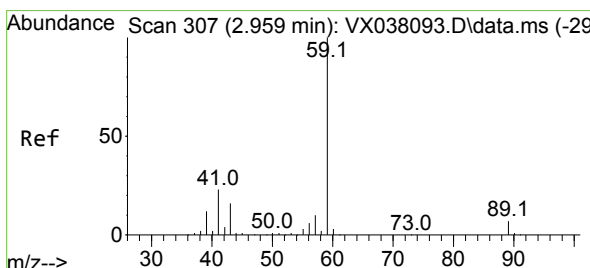
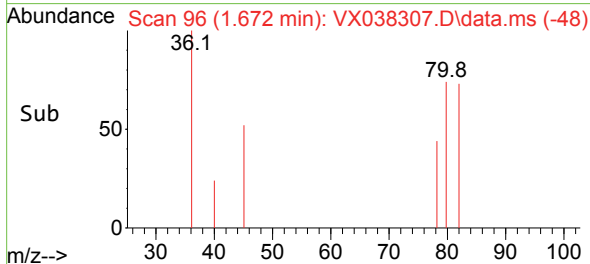
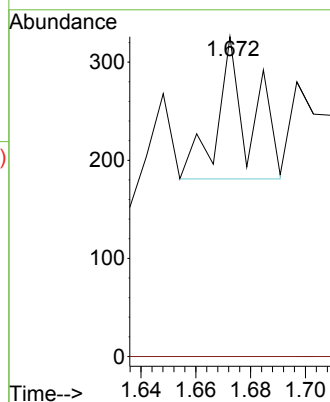


#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.007 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

Instrument :
MSVOA_X
ClientSampleId :

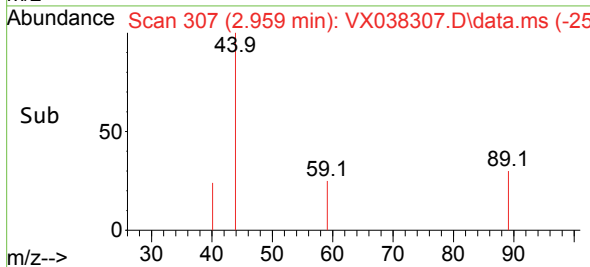
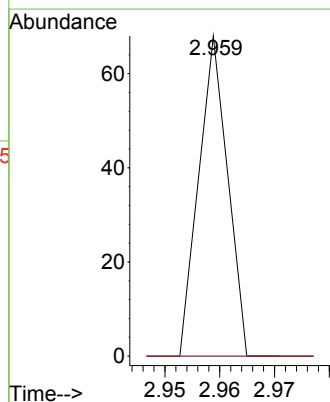
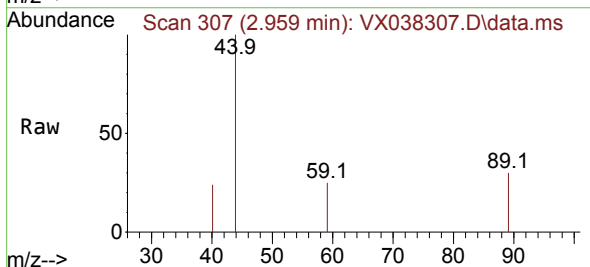


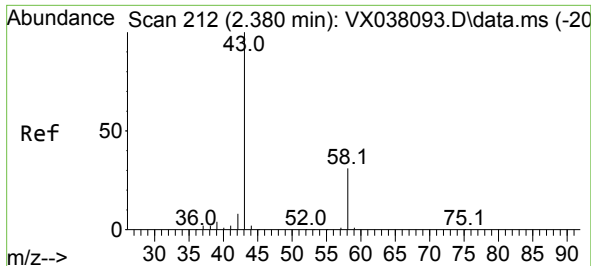
Tgt Ion: 64 Resp: 122
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

Tgt Ion: 59 Resp: 25
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

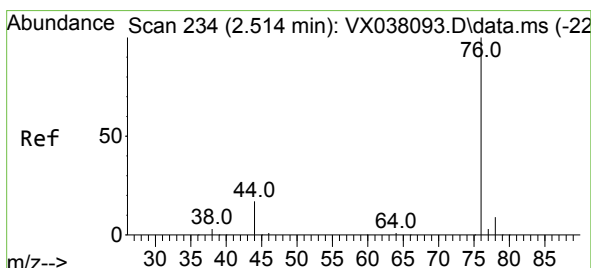
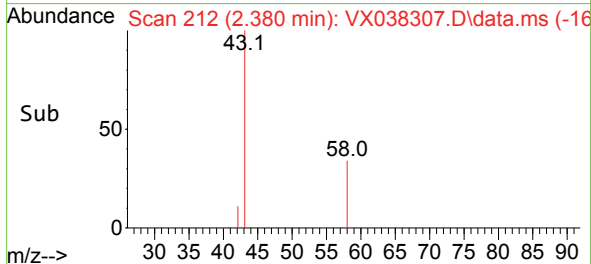
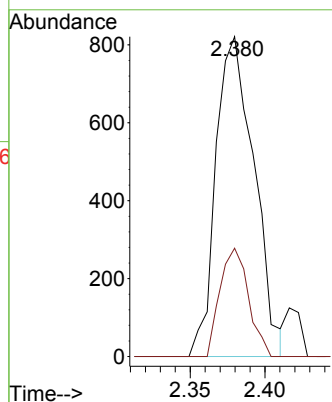
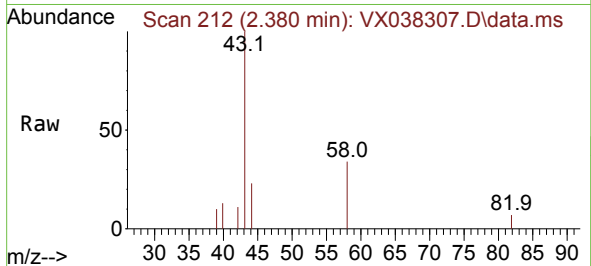




#16
Acetone
Concen: 1.379 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

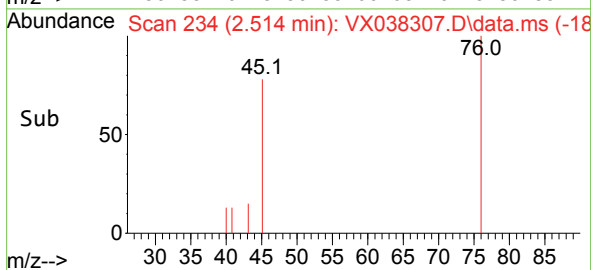
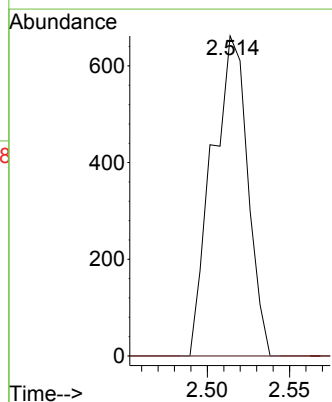
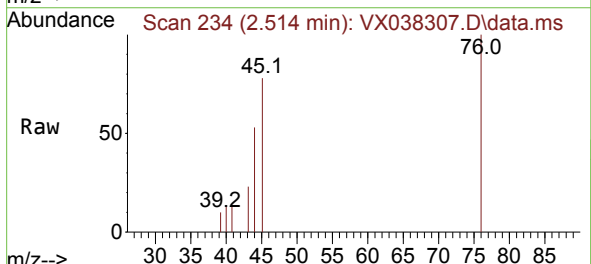
Instrument :
MSVOA_X
ClientSampleId :

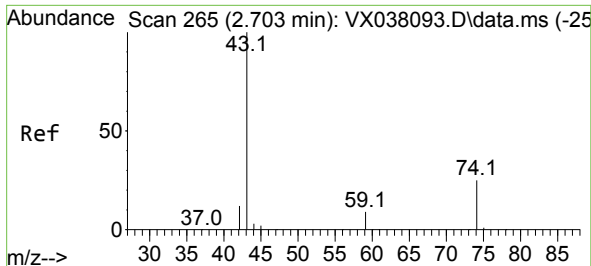
Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
58 33.9 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.240 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

Tgt Ion: 76 Resp: 997
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

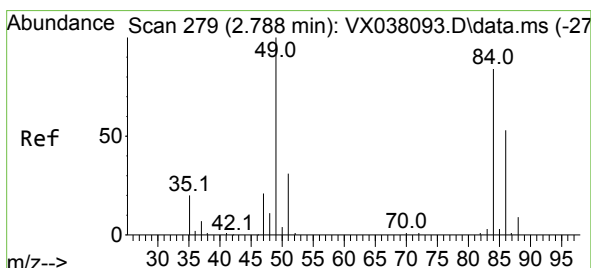
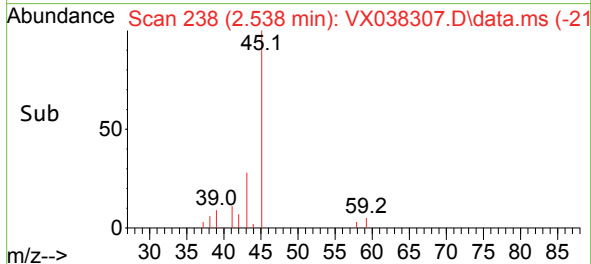
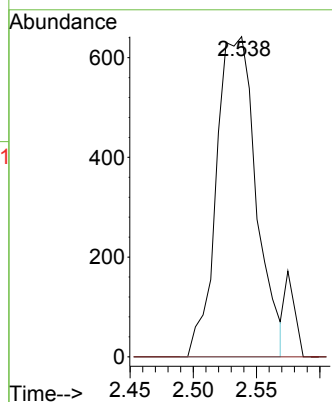
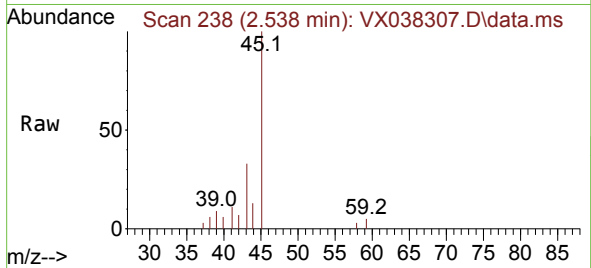




#18
Methyl Acetate
Concen: 0.309 ug/l
RT: 2.538 min Scan# 21
Delta R.T. -0.165 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

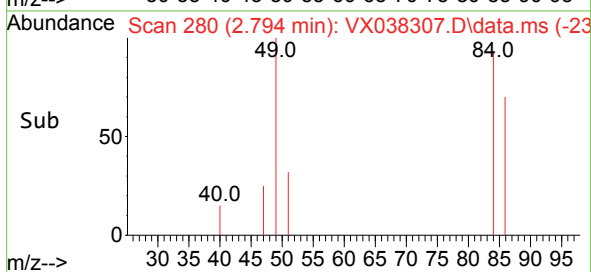
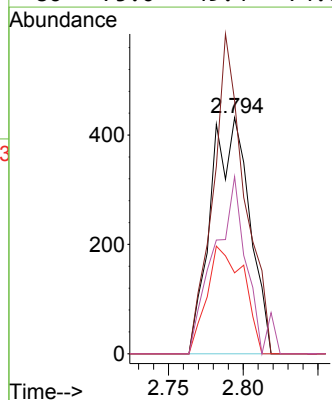
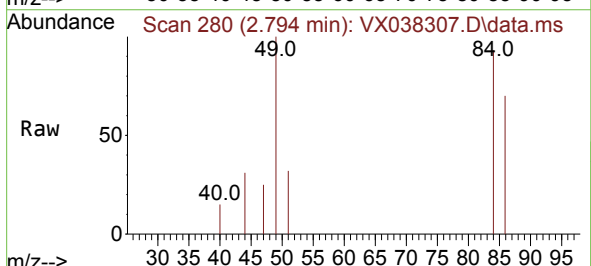
Instrument :
MSVOA_X
ClientSampleId :

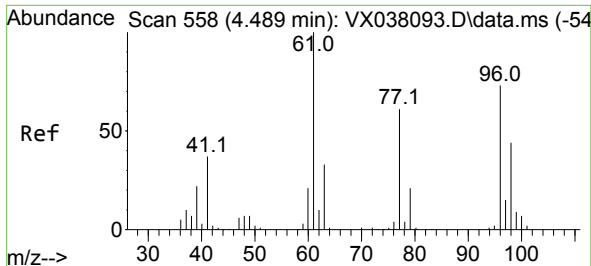
Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 0.391 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

Tgt Ion: 84 Resp: 778
Ion Ratio Lower Upper
84 100
49 107.2 103.6 155.4
51 34.3 33.8 50.6
86 75.0 49.4 74.0#



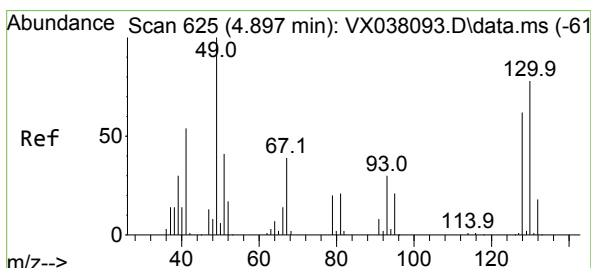
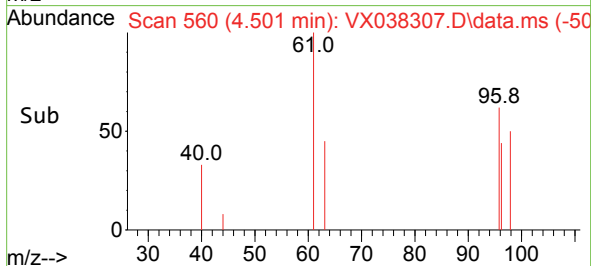
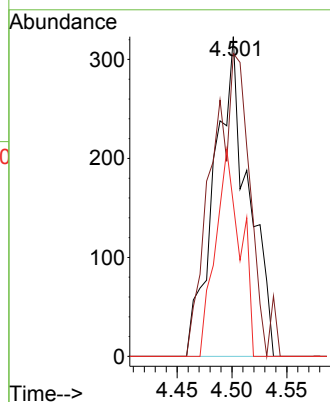
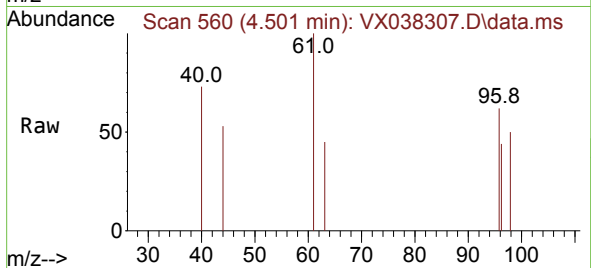


#27
 cis-1,2-Dichloroethene
 Concen: 0.325 ug/l
 RT: 4.501 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VX038307.D
 Acq: 16 Oct 2023 16:32

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 96 Resp: 692

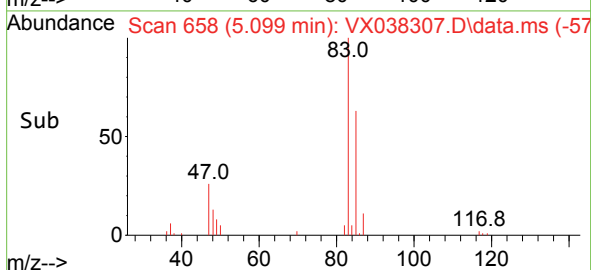
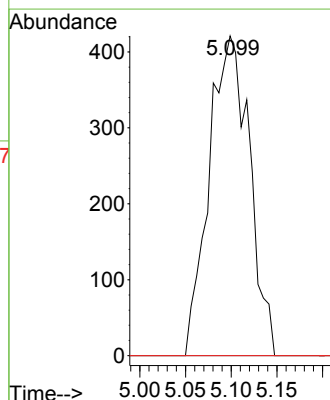
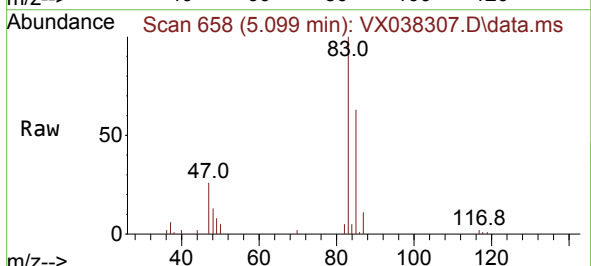
Ion	Ratio	Lower	Upper
96	100		
61	103.9	0.0	312.2
98	48.1	0.0	129.0

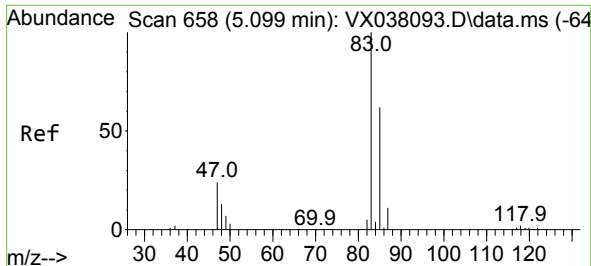


#28
 Bromochloromethane
 Concen: 0.874 ug/l
 RT: 5.099 min Scan# 658
 Delta R.T. 0.202 min
 Lab File: VX038307.D
 Acq: 16 Oct 2023 16:32

Tgt Ion: 49 Resp: 1295

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	57.5	86.3





#30

Chloroform

Concen: 4.794 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX038307.D

Acq: 16 Oct 2023 16:32

Instrument :

MSVOA_X

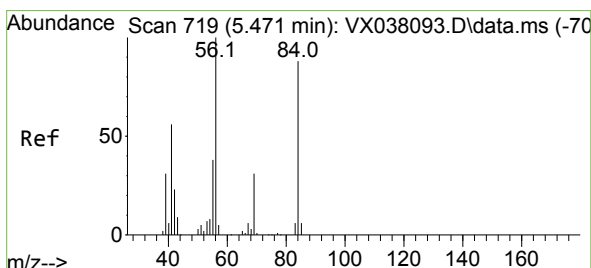
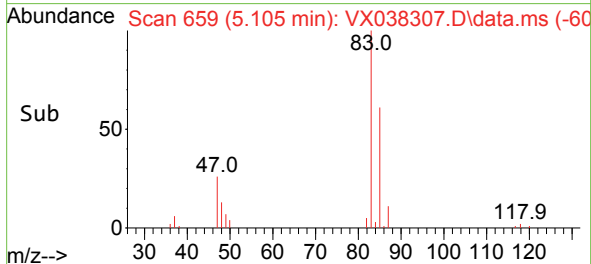
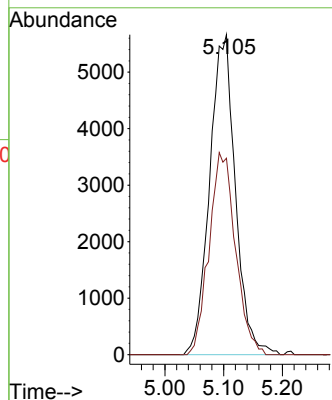
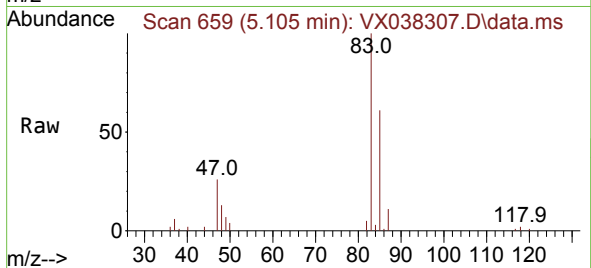
ClientSampleId :

Tgt Ion: 83 Resp: 17209

Ion Ratio Lower Upper

83 100

85 61.4 50.3 75.5



#31

Cyclohexane

Concen: 1.352 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038307.D

Acq: 16 Oct 2023 16:32

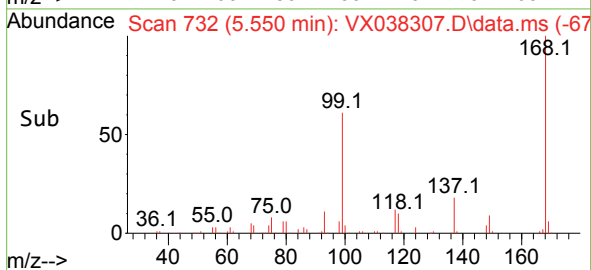
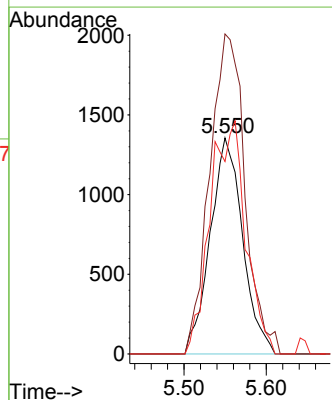
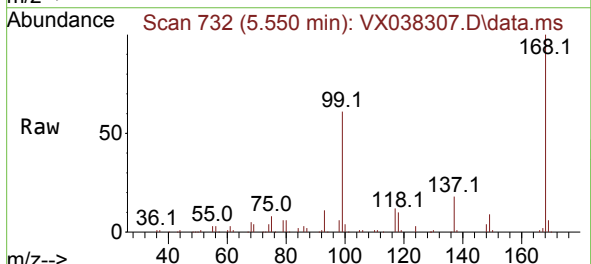
Tgt Ion: 56 Resp: 3717

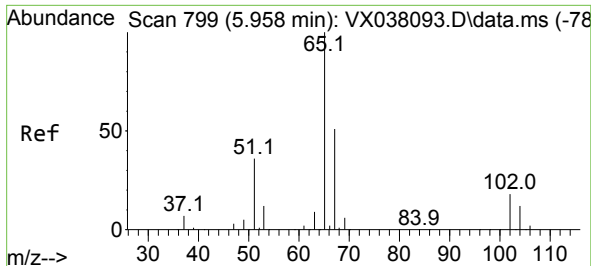
Ion Ratio Lower Upper

56 100

69 148.1 23.4 35.2#

84 89.1 65.9 98.9

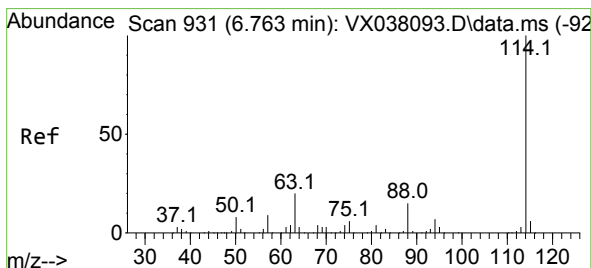
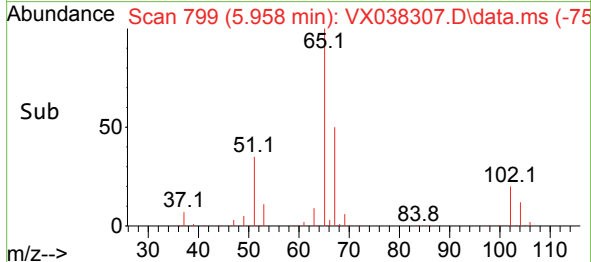
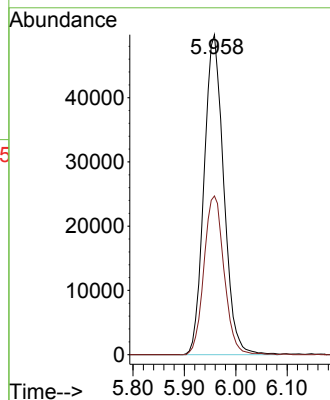
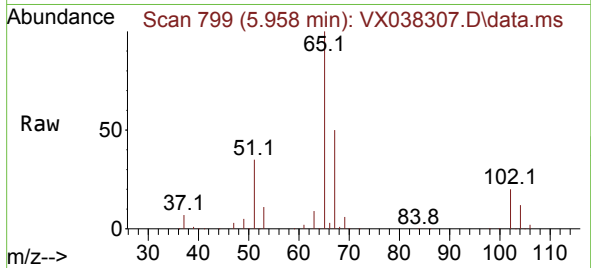




#33
1,2-Dichloroethane-d4
Concen: 52.246 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

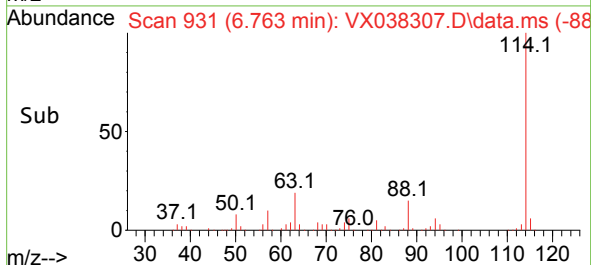
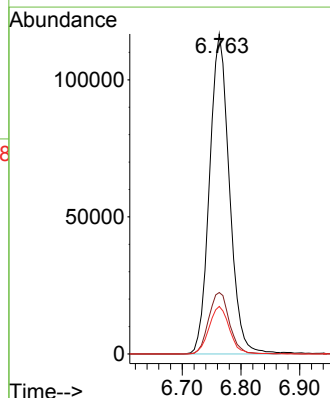
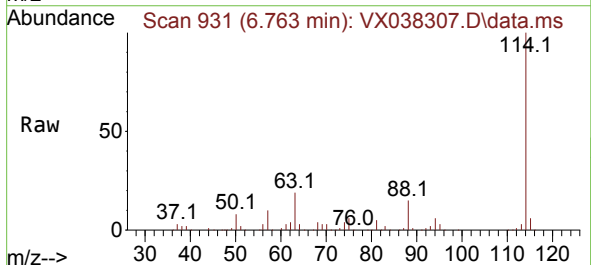
Instrument :
MSVOA_X
ClientSampleId :

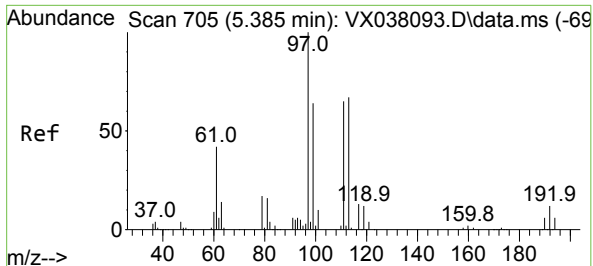
Tgt Ion: 65 Resp: 132529
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

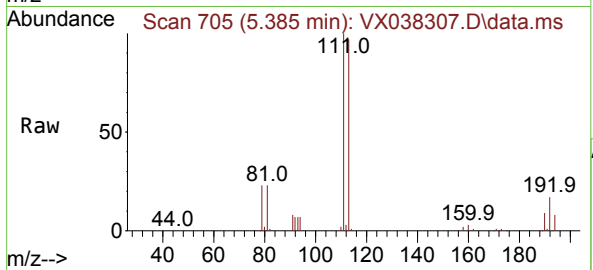
Tgt Ion:114 Resp: 273954
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 14.8 0.0 36.6



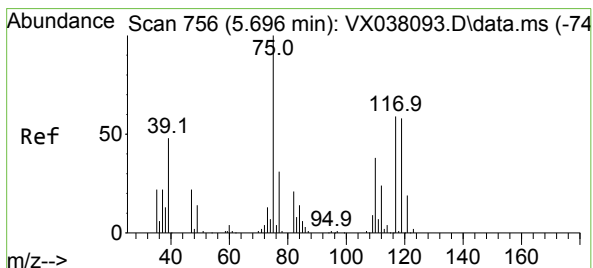
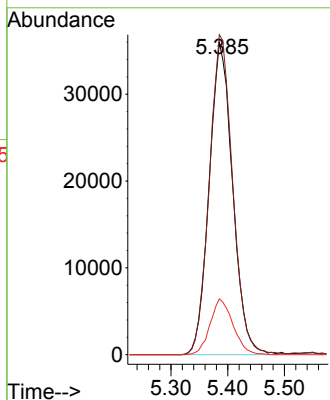
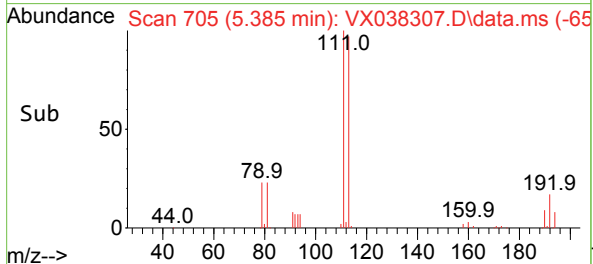


#35
Dibromofluoromethane
Concen: 52.214 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

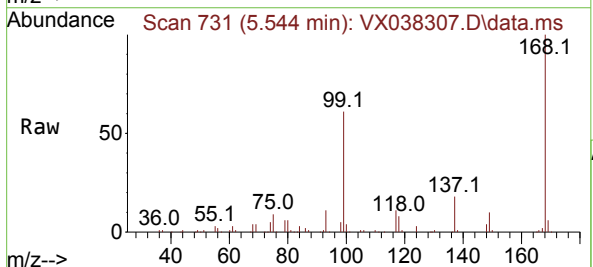
Instrument :
MSVOA_X
ClientSampleId :



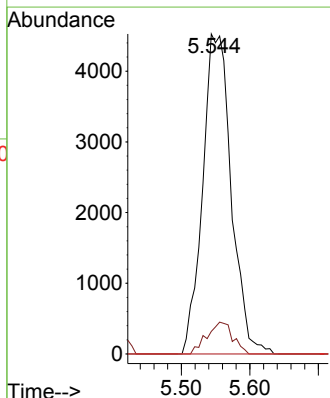
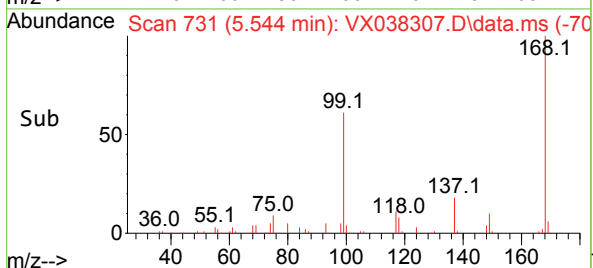
Tgt Ion:113 Resp: 103070
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 17.5 13.3 19.9

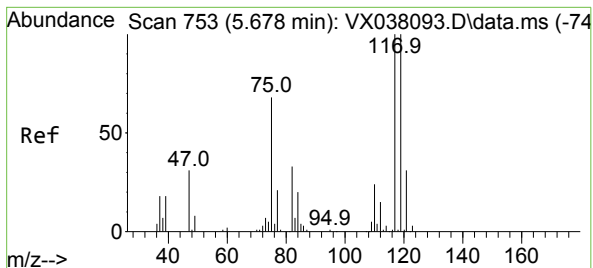


#36
1,1-Dichloropropene
Concen: 4.827 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32



Tgt Ion: 75 Resp: 13140
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.242 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

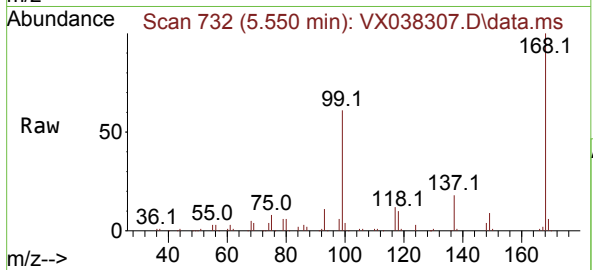
Lab File: VX038307.D

Acq: 16 Oct 2023 16:32

Instrument :

MSVOA_X

ClientSampleId :



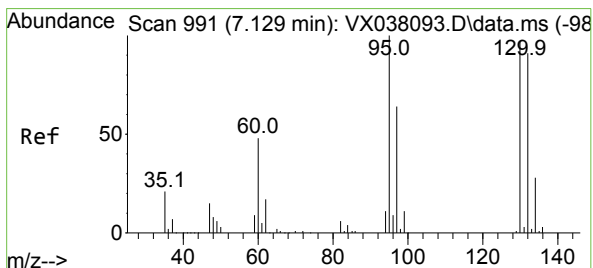
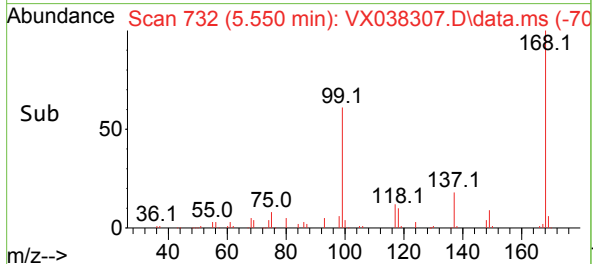
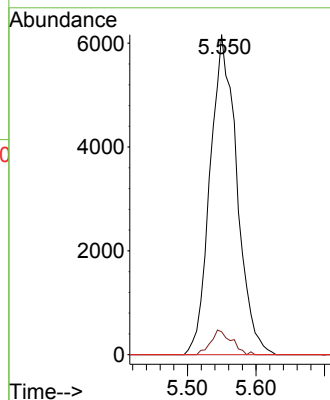
Tgt Ion:117 Resp: 16716

Ion Ratio Lower Upper

117 100

119 7.2 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 3.568 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX038307.D

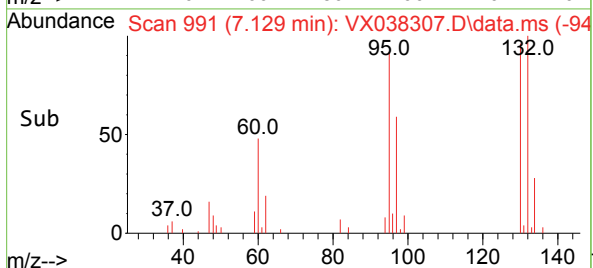
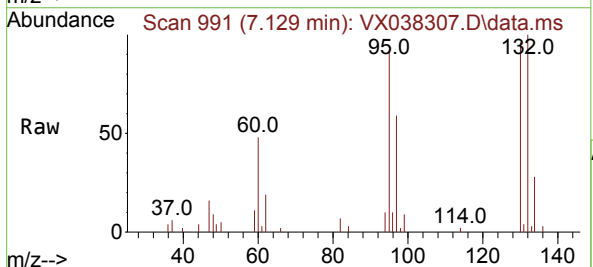
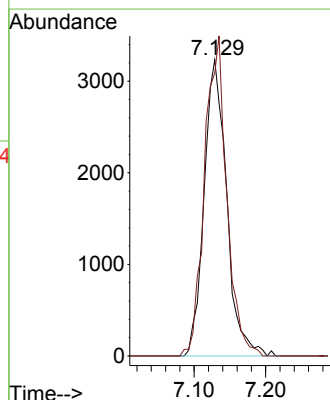
Acq: 16 Oct 2023 16:32

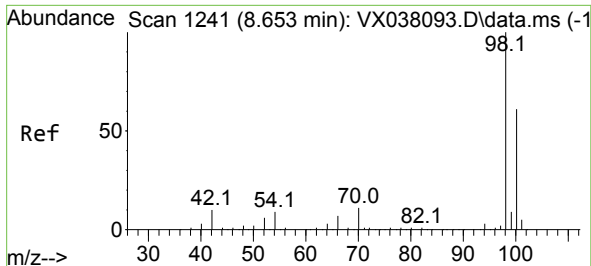
Tgt Ion:130 Resp: 7105

Ion Ratio Lower Upper

130 100

95 95.6 0.0 204.4

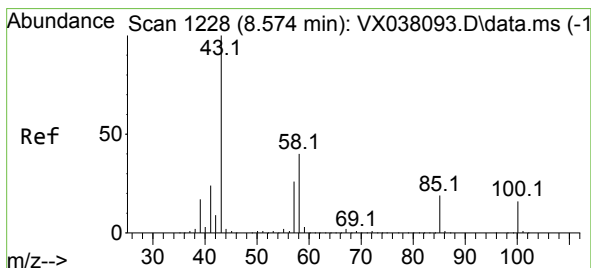
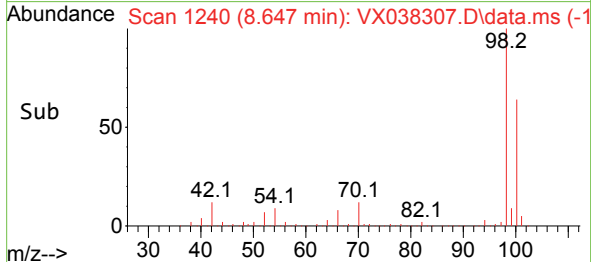
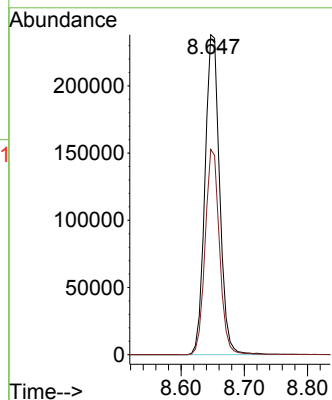
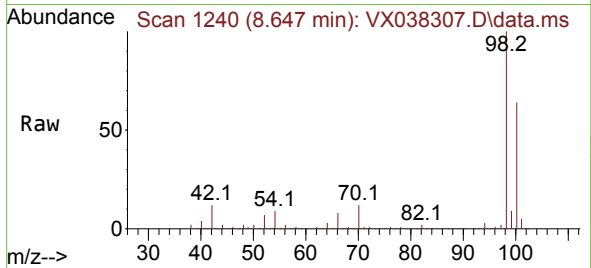




#50
Toluene-d8
Concen: 50.945 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

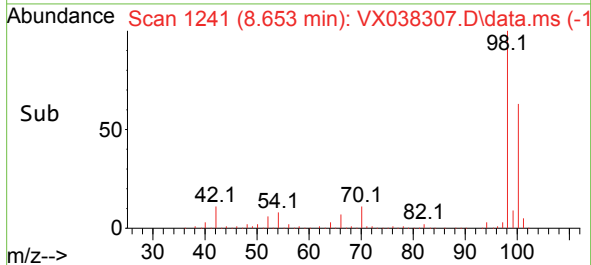
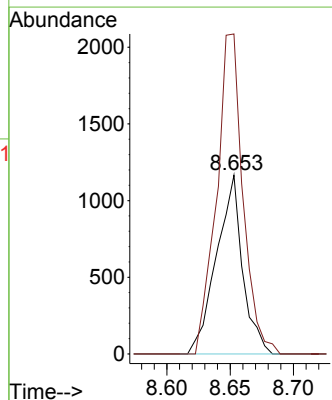
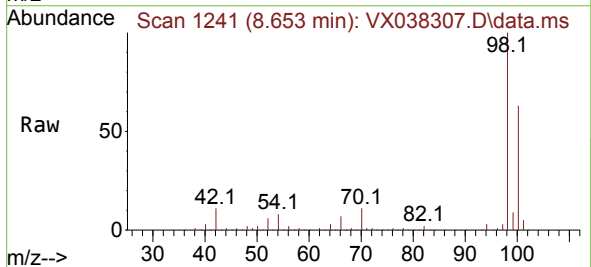
Instrument :
MSVOA_X
ClientSampleId :

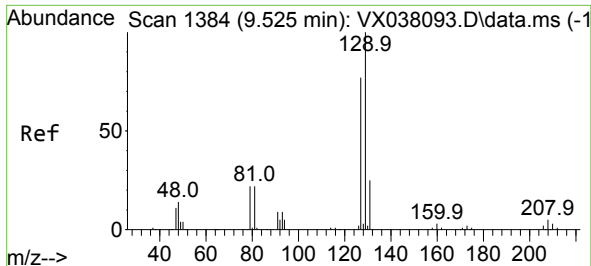
Tgt Ion: 98 Resp: 384285
Ion Ratio Lower Upper
98 100
100 62.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.503 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

Tgt Ion: 43 Resp: 1673
Ion Ratio Lower Upper
43 100
58 181.5 30.4 45.6#

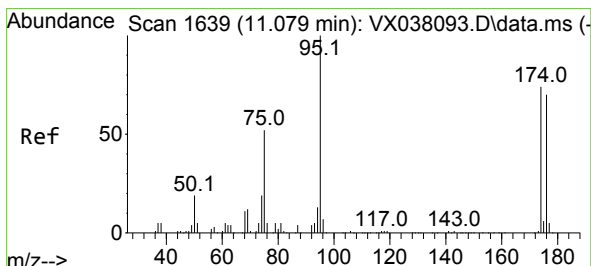
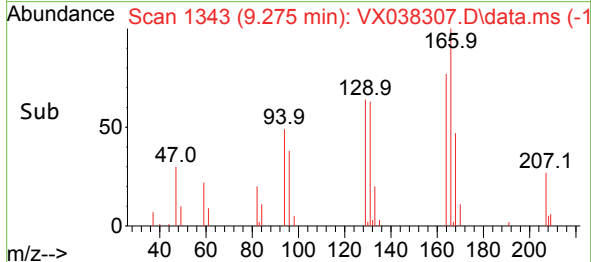
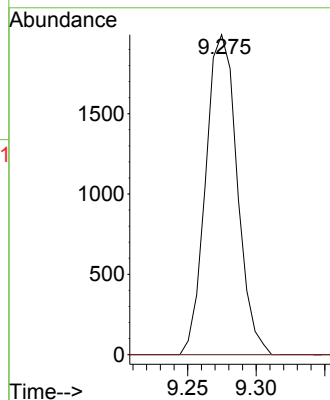
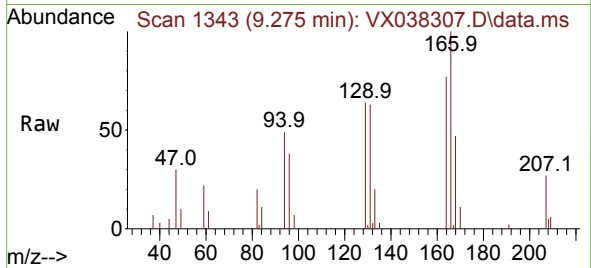




#60
Dibromochloromethane
Concen: 1.533 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

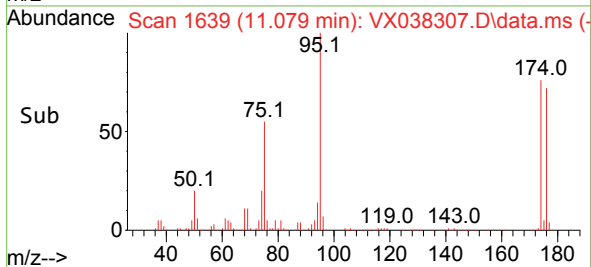
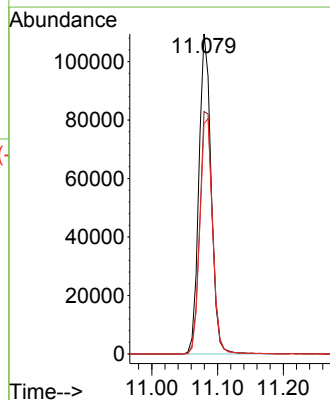
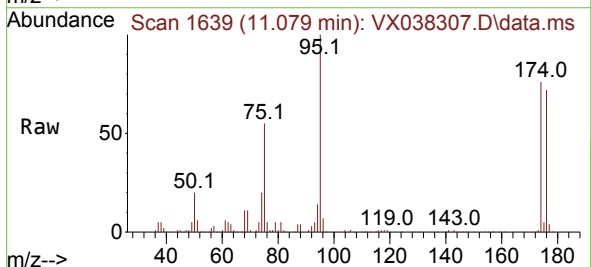
Instrument :
MSVOA_X
ClientSampleId :

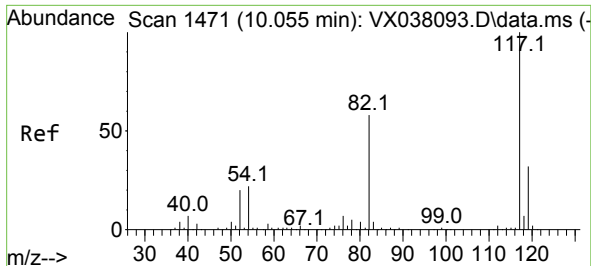
Tgt Ion:129 Resp: 3182
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 49.581 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

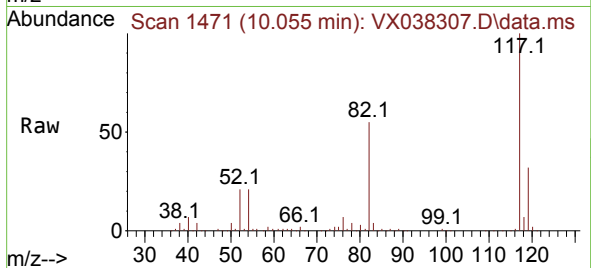
Tgt Ion: 95 Resp: 141786
Ion Ratio Lower Upper
95 100
174 79.7 0.0 135.6
176 76.4 0.0 131.0



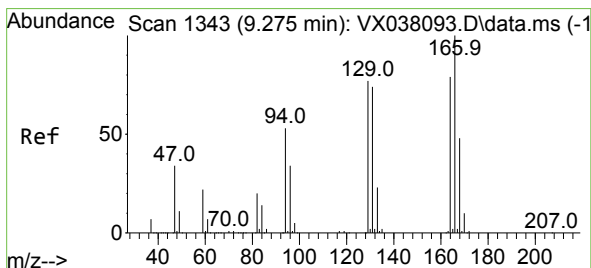
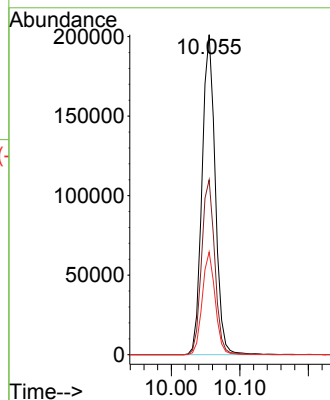
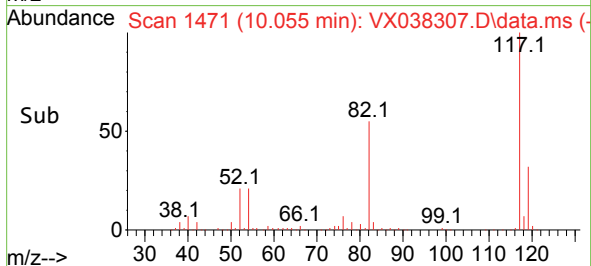


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

Instrument :
MSVOA_X
ClientSampleId :

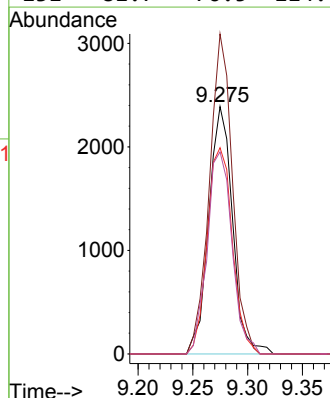
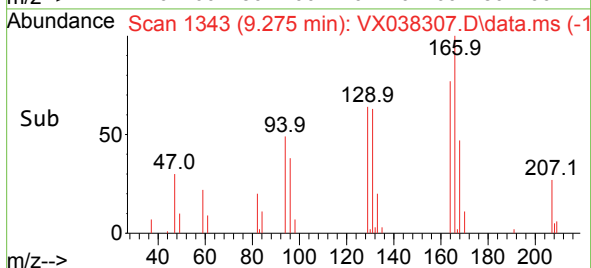
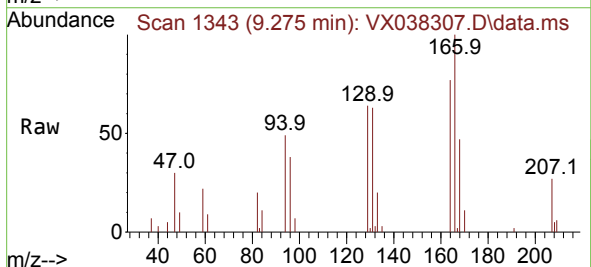


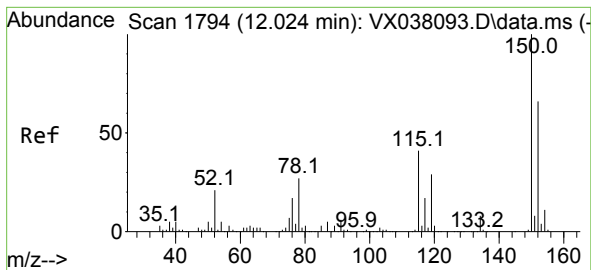
Tgt Ion:117 Resp: 270168
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 2.064 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038307.D
Acq: 16 Oct 2023 16:32

Tgt Ion:164 Resp: 3610
Ion Ratio Lower Upper
164 100
166 129.4 102.7 154.1
129 83.4 80.4 120.6
131 81.7 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038307.D

Acq: 16 Oct 2023 16:32

Instrument :

MSVOA_X

ClientSampleId :

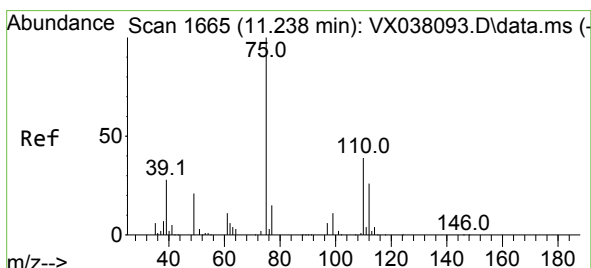
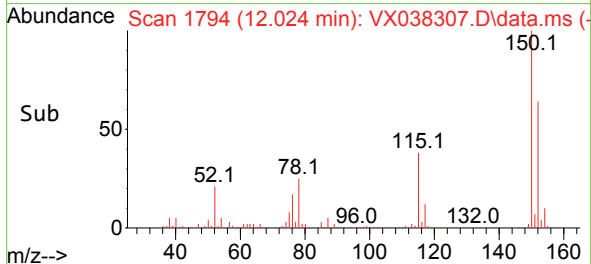
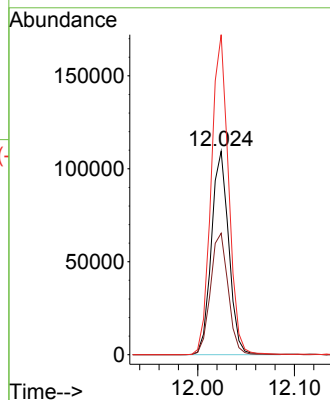
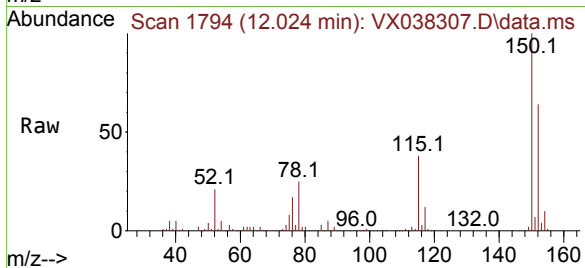
Tgt Ion:152 Resp: 136590

Ion Ratio Lower Upper

152 100

115 60.9 43.3 129.9

150 157.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.183 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038307.D

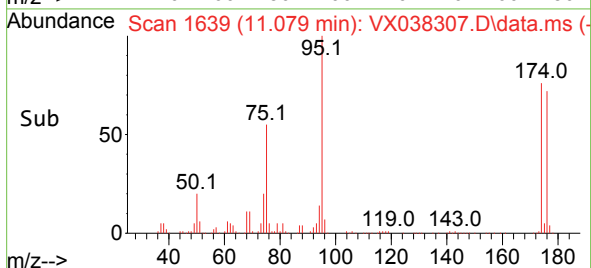
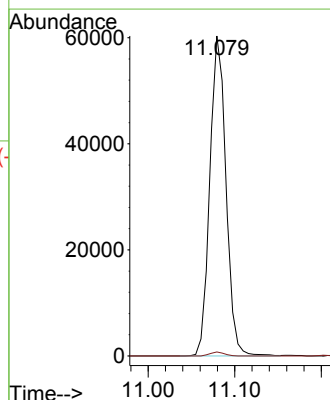
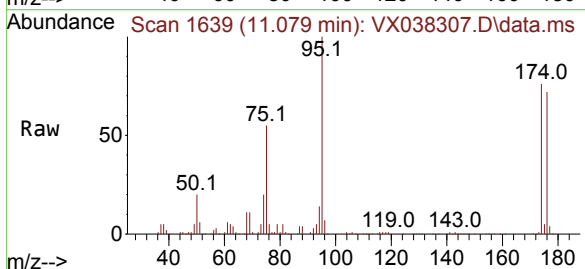
Acq: 16 Oct 2023 16:32

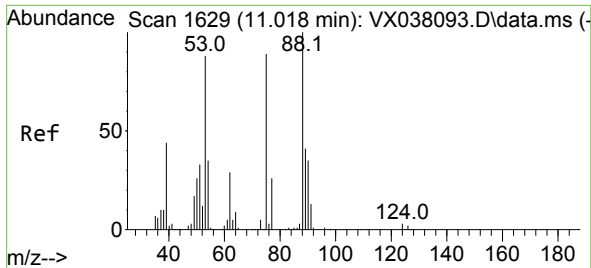
Tgt Ion: 75 Resp: 78198

Ion Ratio Lower Upper

75 100

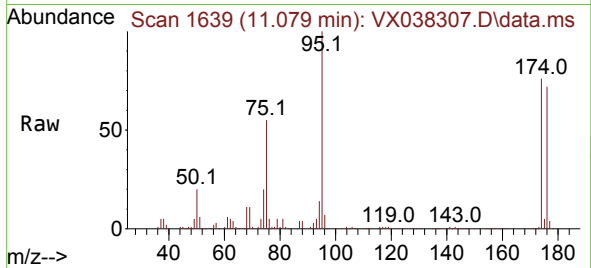
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.634 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038307.D
 Acq: 16 Oct 2023 16:32

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 78198
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

