

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111823\
 Data File : VX038930.D
 Acq On : 18 Nov 2023 15:55
 Operator : JC/MD
 Sample : 05404-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 20 04:36:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

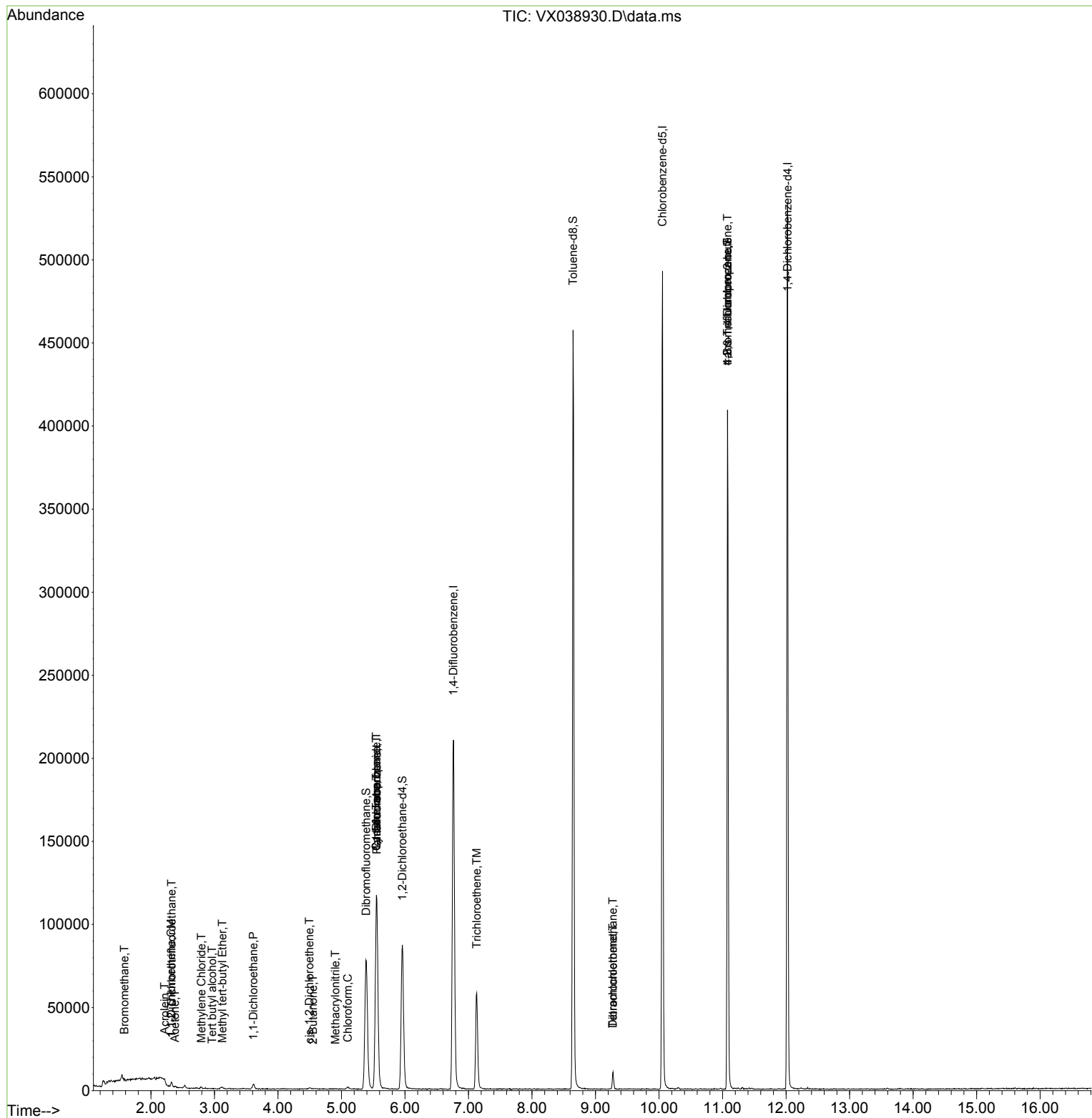
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	103202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	213688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83096	49.969	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.940%
35) Dibromofluoromethane	5.385	113	68547	44.416	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.840%
50) Toluene-d8	8.647	98	268347	45.446	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.900%#
62) 4-Bromofluorobenzene	11.079	95	114228	48.326	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.660%
Target Compounds						
					Qvalue	
5) Bromomethane	1.581	94	131	0.209	ug/l #	11
9) 1,1,2-Trichlorotrifluo...	2.325	101	427	0.335	ug/l	95
11) Tert butyl alcohol	2.965	59	141	0.305	ug/l #	1
12) 1,1-Dichloroethene	2.319	96	963	0.749	ug/l #	71
13) Acrolein	2.215	56	230	0.940	ug/l #	82
16) Acetone	2.380	43	1079	1.219	ug/l #	86
19) Methyl tert-butyl Ether	3.123	73	1033	0.228	ug/l #	71
20) Methylene Chloride	2.794	84	524	0.328	ug/l #	70
24) 1,1-Dichloroethane	3.611	63	3381	1.280	ug/l	100
25) 2-Butanone	4.550	43	296	0.206	ug/l #	51
27) cis-1,2-Dichloroethene	4.495	96	605	0.366	ug/l	61
30) Chloroform	5.099	83	1508	0.585	ug/l	90
31) Cyclohexane	5.550	56	3111	1.310	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	9800	4.431	ug/l #	50
38) Carbon Tetrachloride	5.550	117	11373	5.563	ug/l #	14
41) Methacrylonitrile	4.904	41	323	0.216	ug/l #	48
44) Trichloroethene	7.129	130	22065	13.856	ug/l	99
60) Dibromochloromethane	9.275	129	1739	1.010	ug/l #	11
64) Tetrachloroethene	9.275	164	1513	1.120	ug/l #	78
76) 1,2,3-Trichloropropane	11.079	75	59854	22.633	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59854	50.202	ug/l #	5

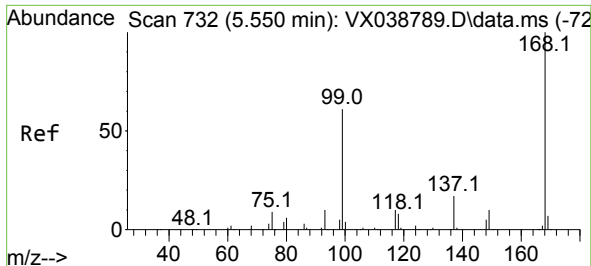
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 16 22:59:22 2023
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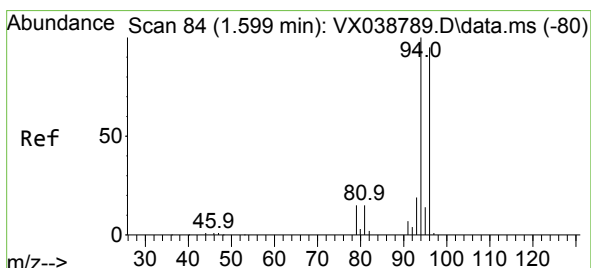
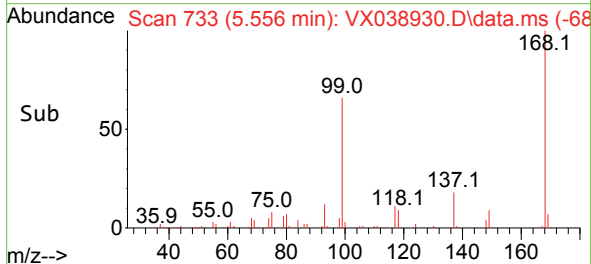
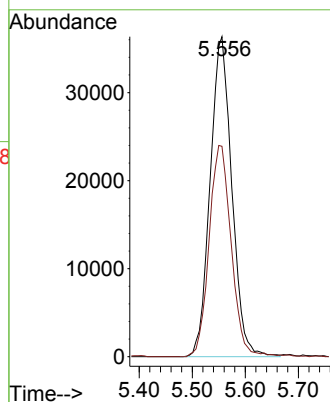
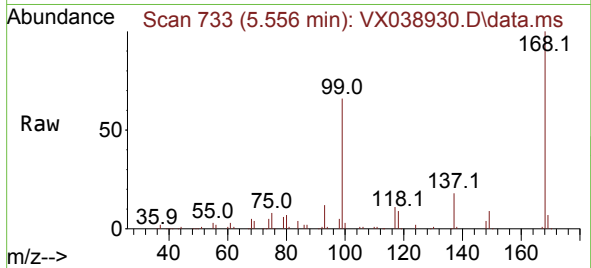




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

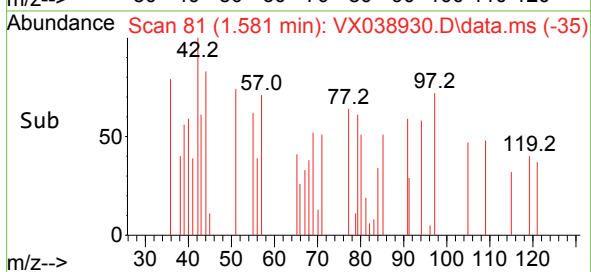
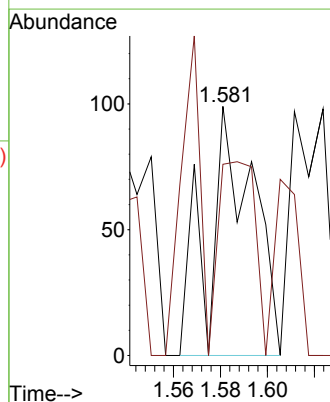
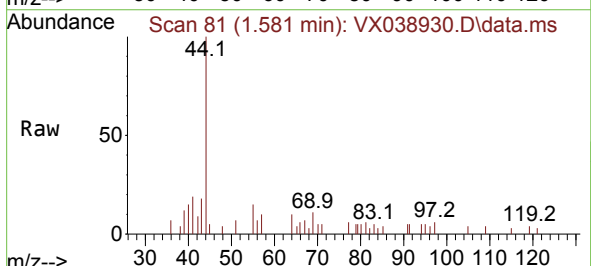
Instrument :
MSVOA_X
ClientSampleId :

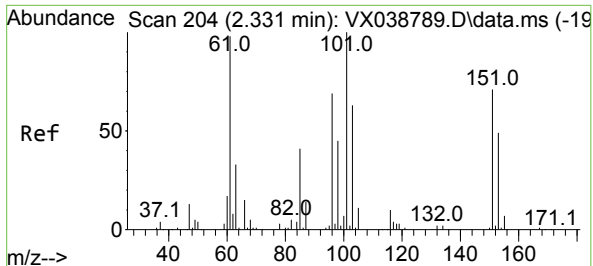
Tgt Ion:168 Resp: 103202
Ion Ratio Lower Upper
168 100
99 65.8 56.6 85.0



#5
Bromomethane
Concen: 0.209 ug/l
RT: 1.581 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

Tgt Ion: 94 Resp: 131
Ion Ratio Lower Upper
94 100
96 8.1 74.6 111.8#

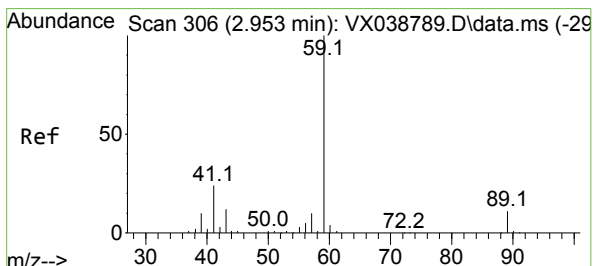
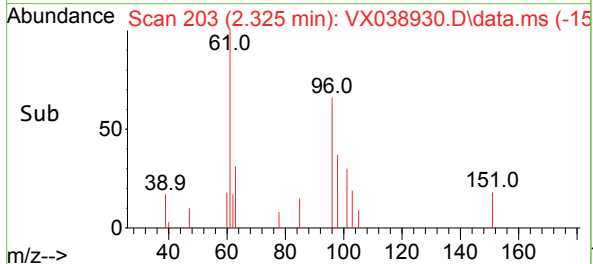
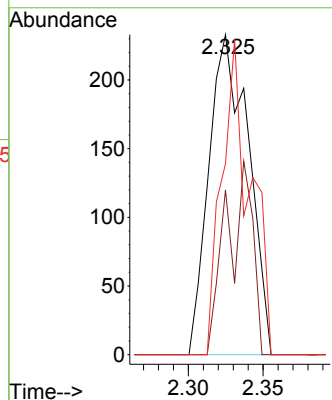
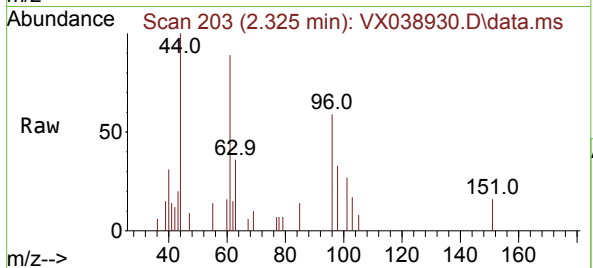




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.335 ug/l
RT: 2.325 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

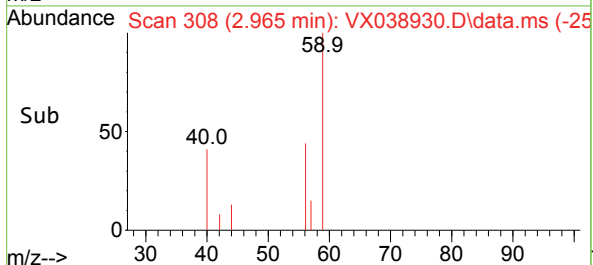
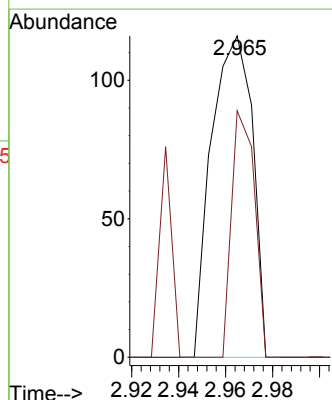
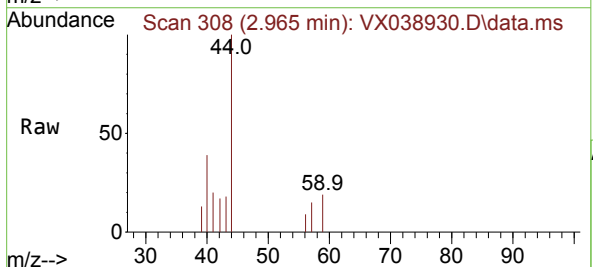
Instrument :
MSVOA_X
ClientSampleId :

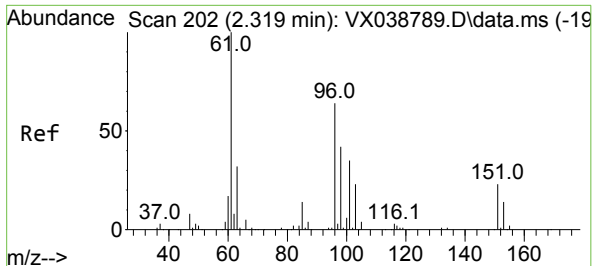
Tgt Ion:101 Resp: 427
Ion Ratio Lower Upper
101 100
85 39.8 37.0 55.6
151 71.0 58.6 87.8



#11
Tert butyl alcohol
Concen: 0.305 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.012 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

Tgt Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 42.6 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.749 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX038930.D

Acq: 18 Nov 2023 15:55

Instrument :

MSVOA_X

ClientSampleId :

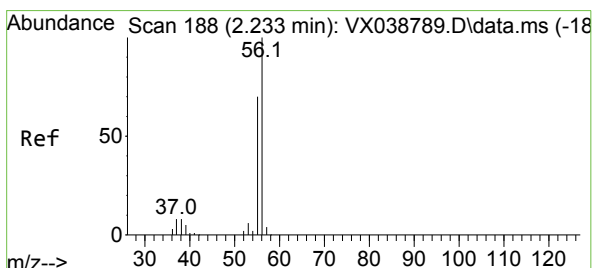
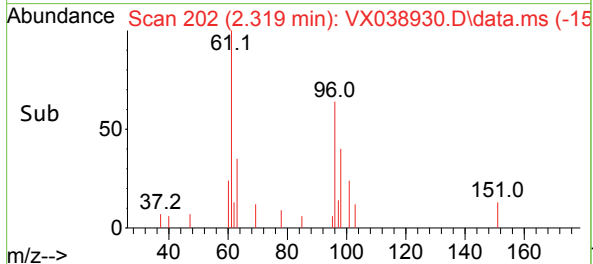
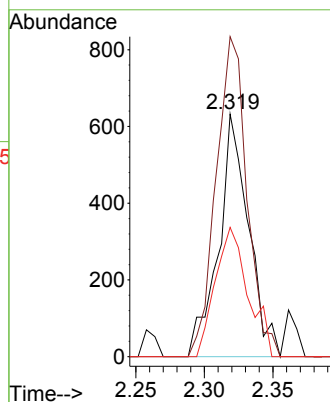
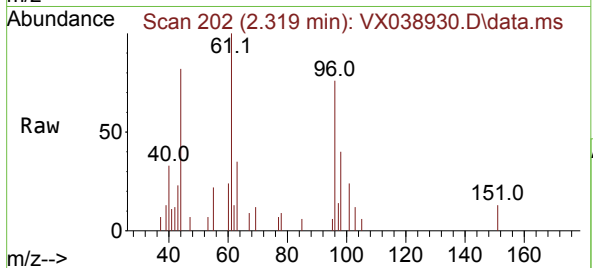
Tgt Ion: 96 Resp: 963

Ion Ratio Lower Upper

96 100

61 132.0 144.6 216.8#

98 53.3 50.4 75.6



#13

Acrolein

Concen: 0.940 ug/l

RT: 2.215 min Scan# 185

Delta R.T. -0.018 min

Lab File: VX038930.D

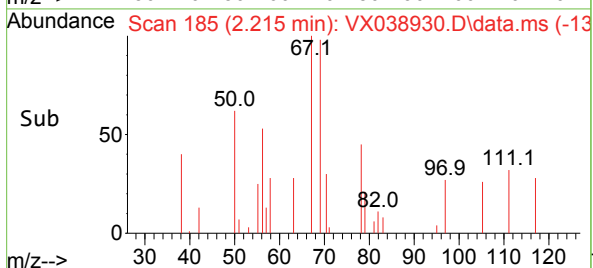
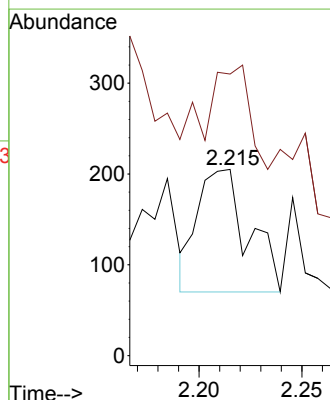
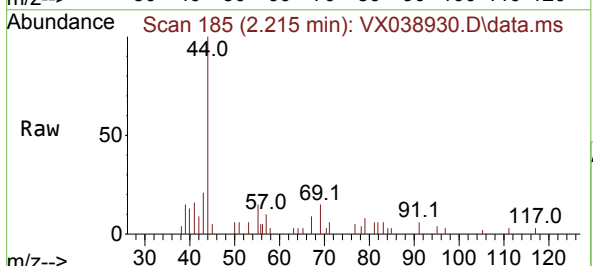
Acq: 18 Nov 2023 15:55

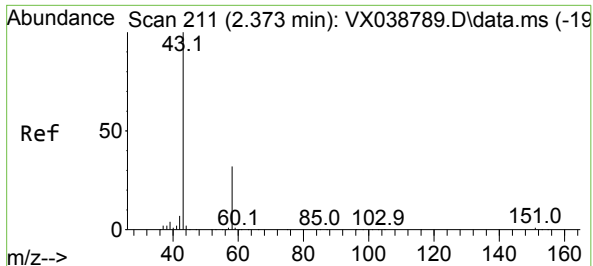
Tgt Ion: 56 Resp: 230

Ion Ratio Lower Upper

56 100

55 56.1 57.1 85.7#

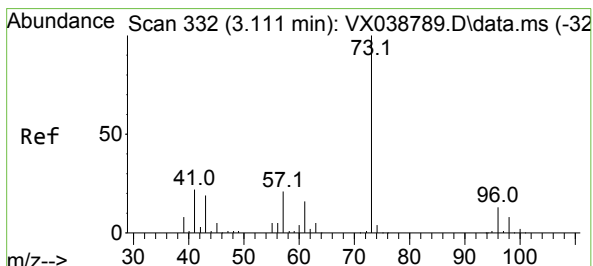
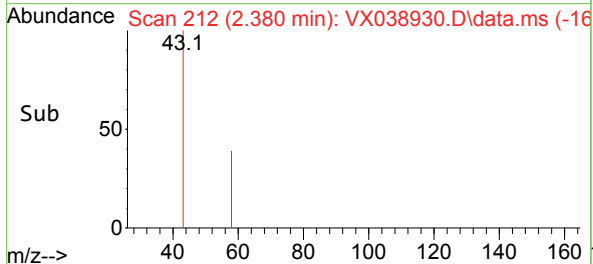
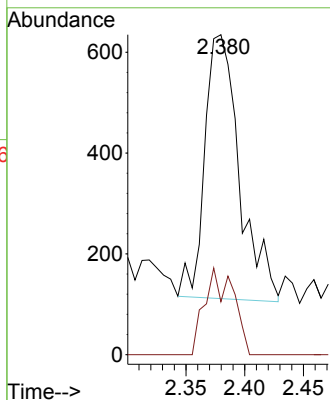
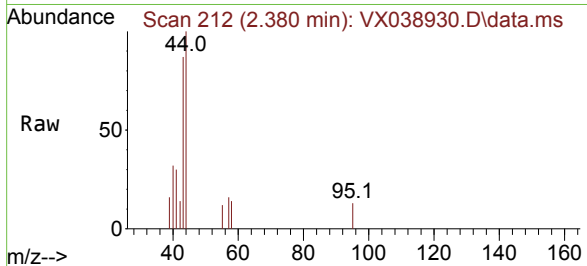




#16
Acetone
Concen: 1.219 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

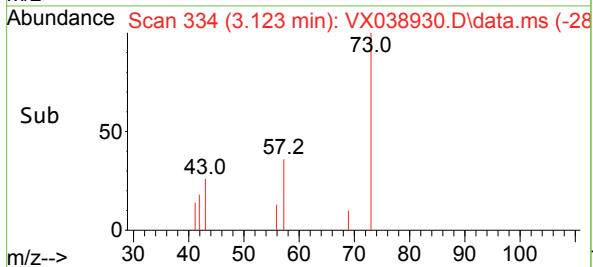
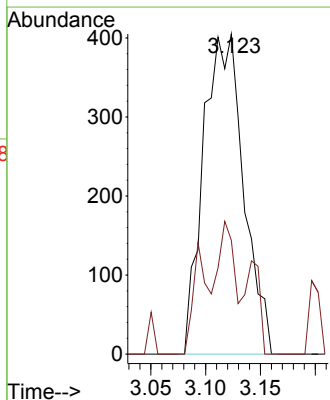
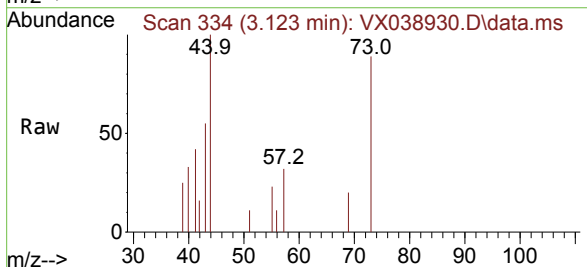
Instrument :
MSVOA_X
ClientSampleId :

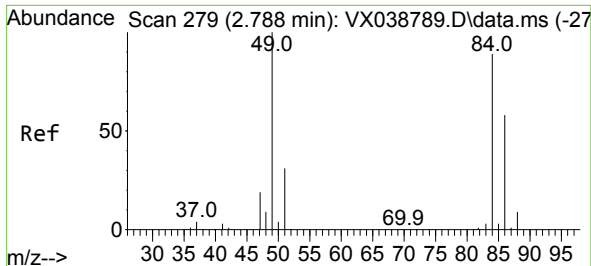
Tgt Ion: 43 Resp: 1079
Ion Ratio Lower Upper
43 100
58 20.2 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.228 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.012 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

Tgt Ion: 73 Resp: 1033
Ion Ratio Lower Upper
73 100
57 35.6 17.3 25.9#





#20

Methylene Chloride

Concen: 0.328 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

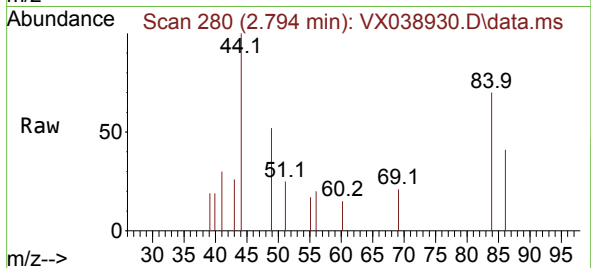
Lab File: VX038930.D

Acq: 18 Nov 2023 15:55

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 524

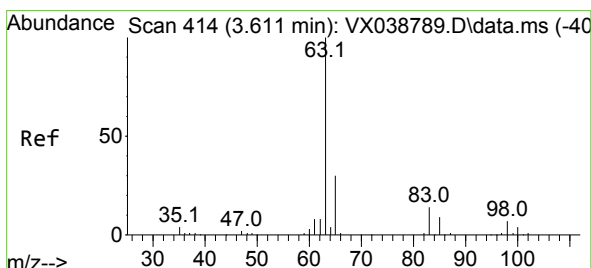
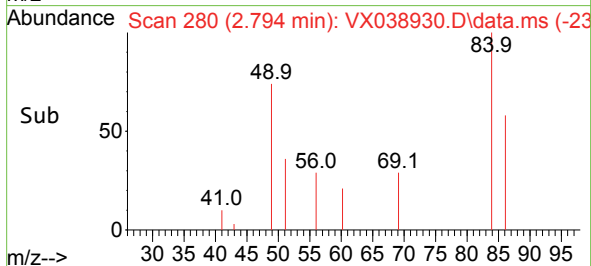
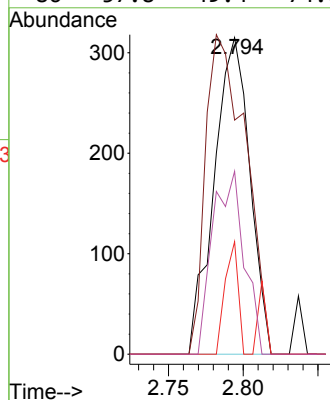
Ion Ratio Lower Upper

84 100

49 74.0 103.6 155.4#

51 35.6 33.8 50.6

86 57.8 49.4 74.0



#24

1,1-Dichloroethane

Concen: 1.280 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX038930.D

Acq: 18 Nov 2023 15:55

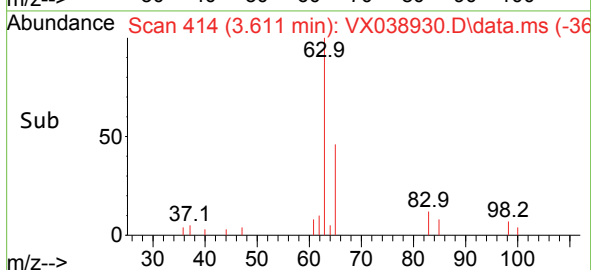
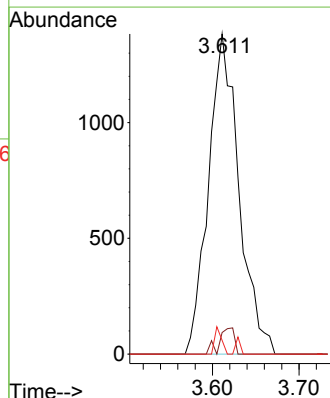
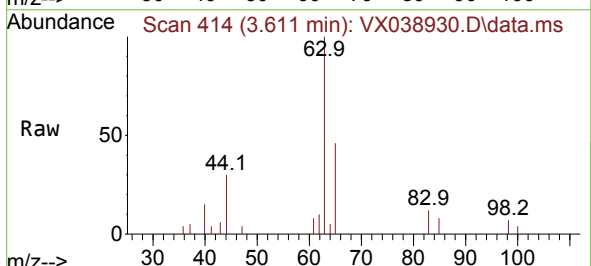
Tgt Ion: 63 Resp: 3381

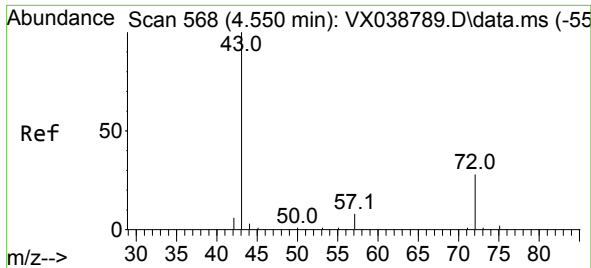
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.3 2.1 6.5

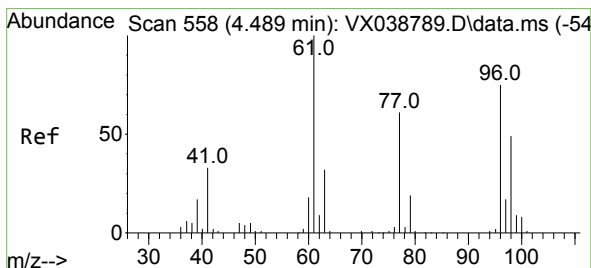
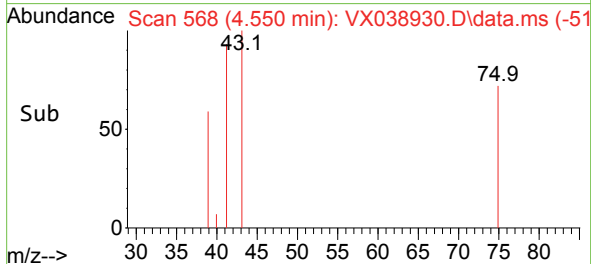
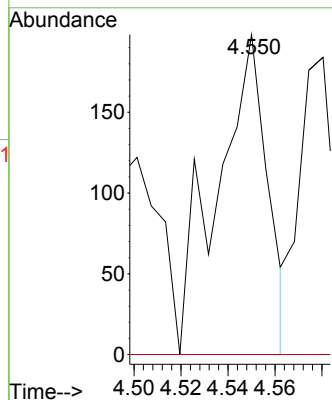
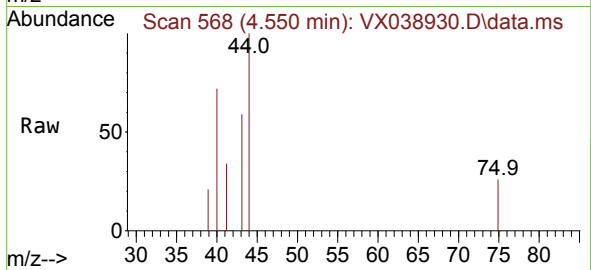




#25
2-Butanone
Concen: 0.206 ug/l
RT: 4.550 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

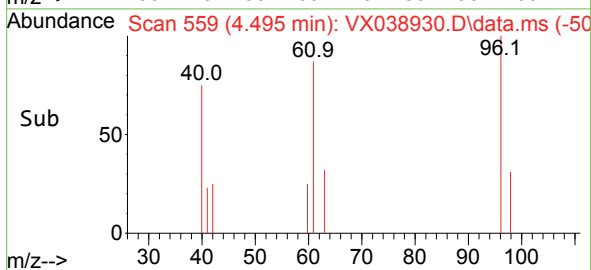
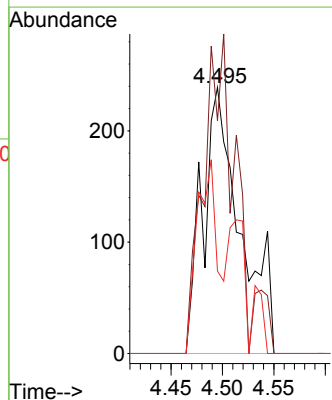
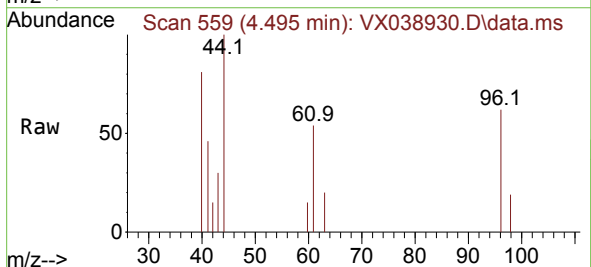
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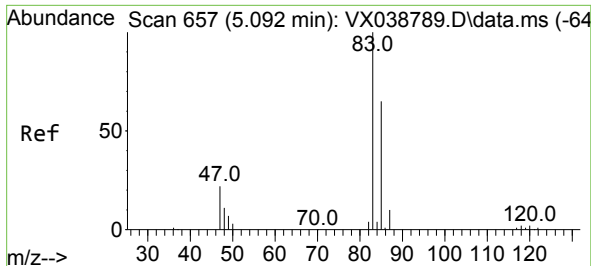
Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 0.366 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

Tgt Ion: 96 Resp: 605
Ion Ratio Lower Upper
96 100
61 100.2 0.0 312.2
98 40.3 0.0 129.0

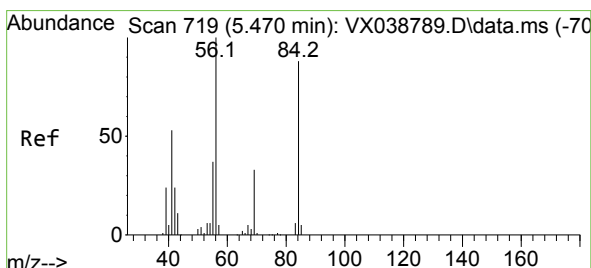
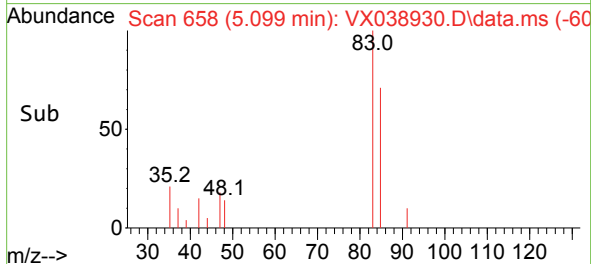
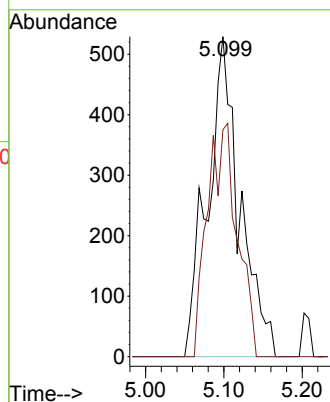
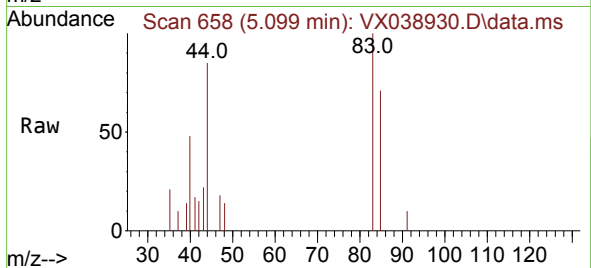




#30
Chloroform
Concen: 0.585 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

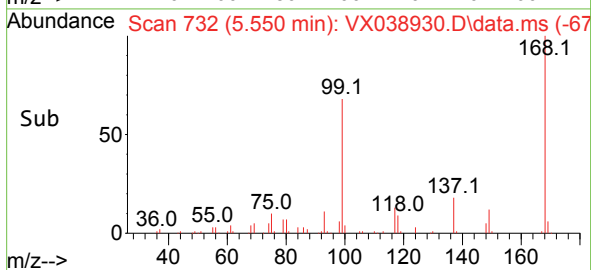
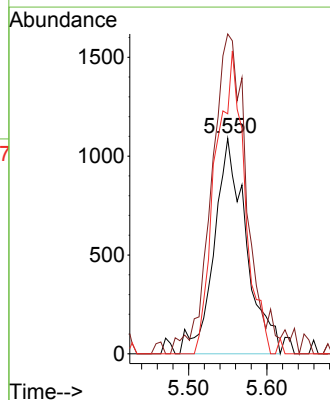
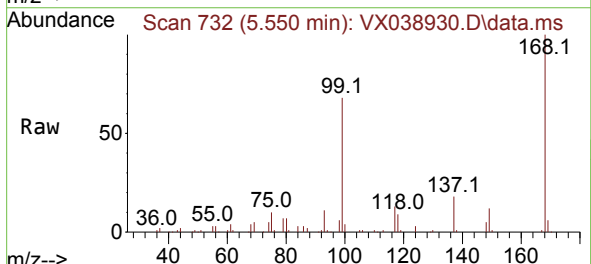
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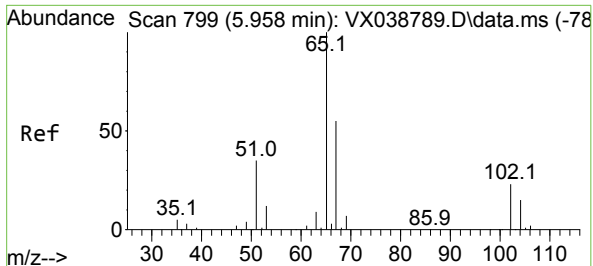
Tgt Ion: 83 Resp: 1508
Ion Ratio Lower Upper
83 100
85 70.9 50.3 75.5



#31
Cyclohexane
Concen: 1.310 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

Tgt Ion: 56 Resp: 3111
Ion Ratio Lower Upper
56 100
69 142.3 23.4 35.2#
84 111.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.969 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038930.D

Acq: 18 Nov 2023 15:55

Instrument :

MSVOA_X

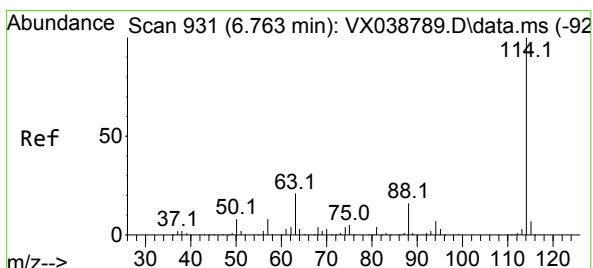
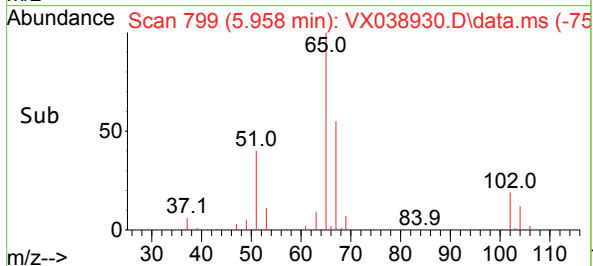
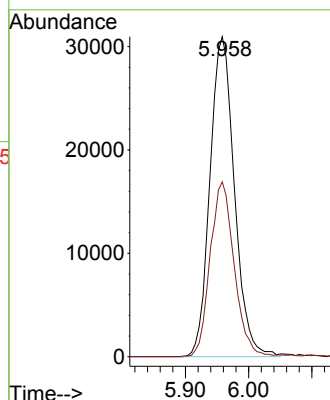
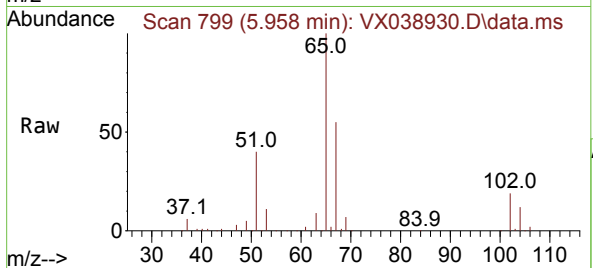
ClientSampleId :

Tgt Ion: 65 Resp: 83096

Ion Ratio Lower Upper

65 100

67 53.7 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: VX038930.D

Acq: 18 Nov 2023 15:55

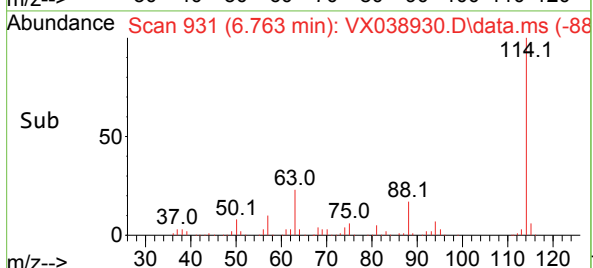
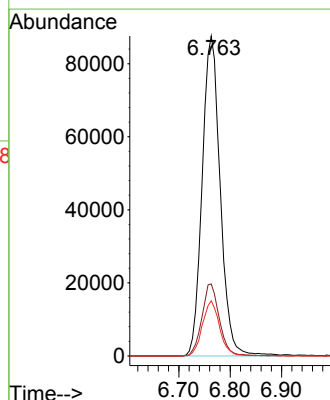
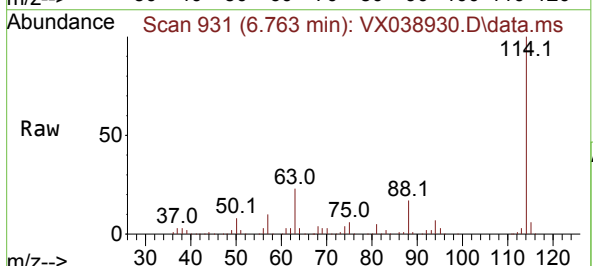
Tgt Ion:114 Resp: 213688

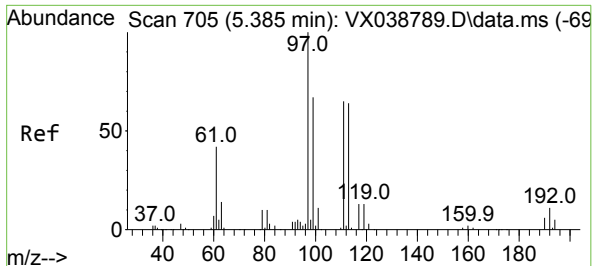
Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

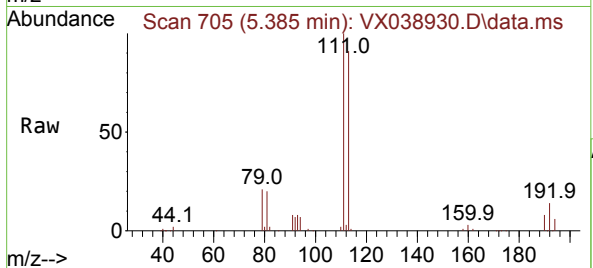
88 17.2 0.0 36.6



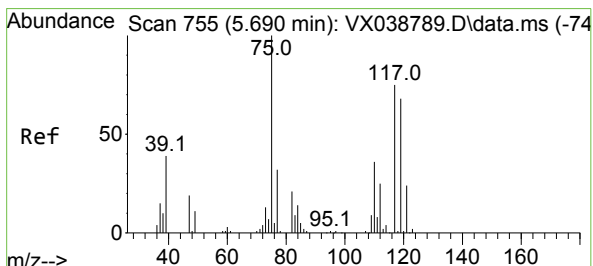
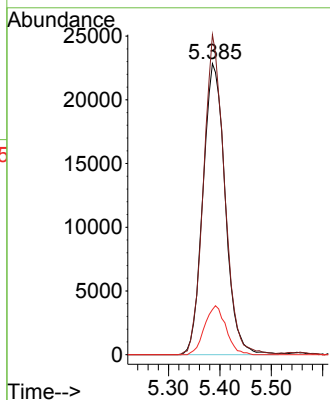
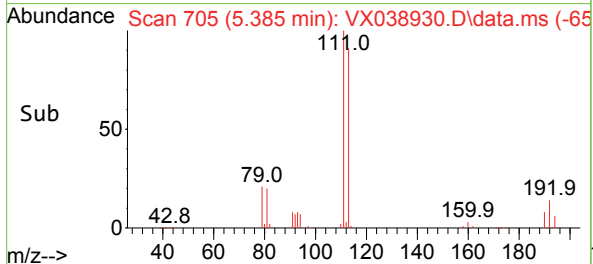


#35
Dibromofluoromethane
Concen: 44.416 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

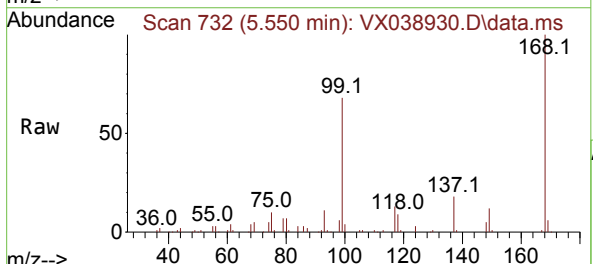
Instrument :
MSVOA_X
ClientSampleId :



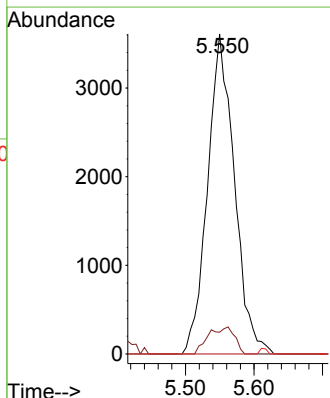
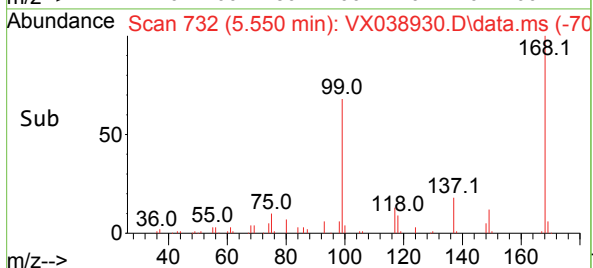
Tgt Ion:113 Resp: 68547
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 16.2 13.3 19.9

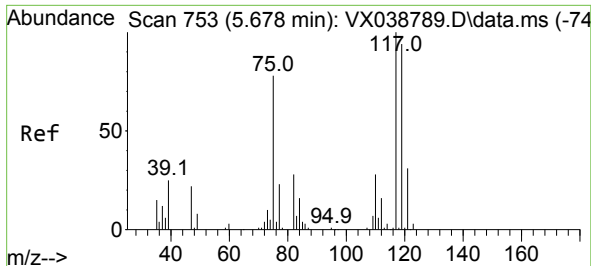


#36
1,1-Dichloropropene
Concen: 4.431 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55



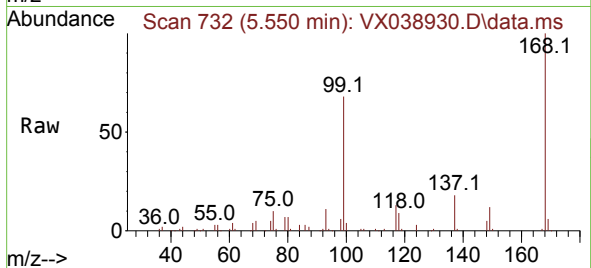
Tgt Ion: 75 Resp: 9800
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#



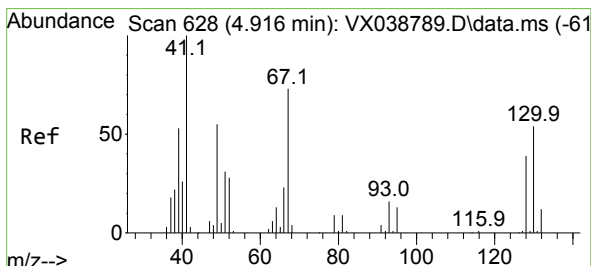
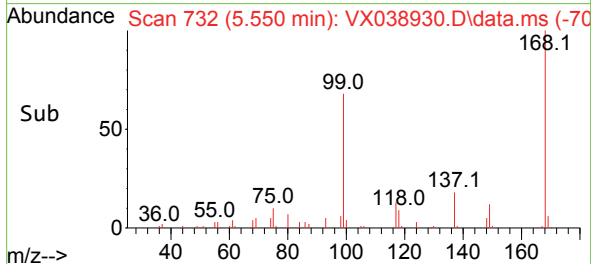
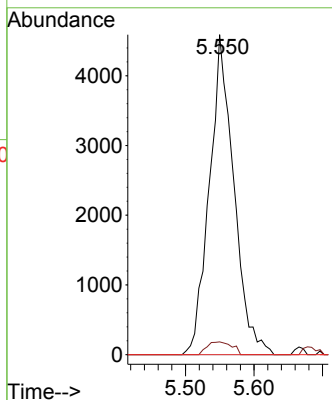


#38
Carbon Tetrachloride
Concen: 5.563 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

Instrument :
MSVOA_X
ClientSampleId :

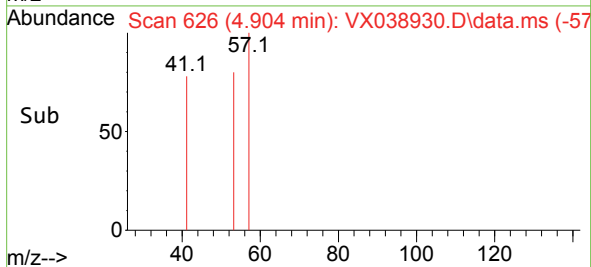
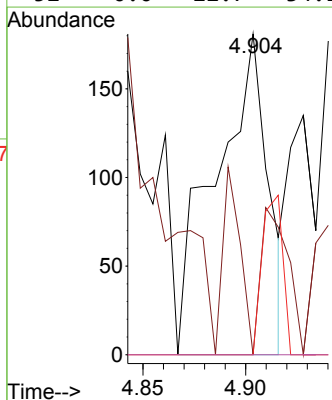
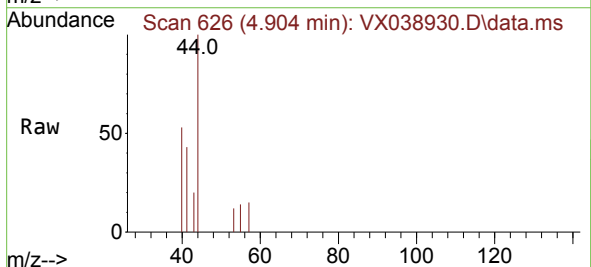


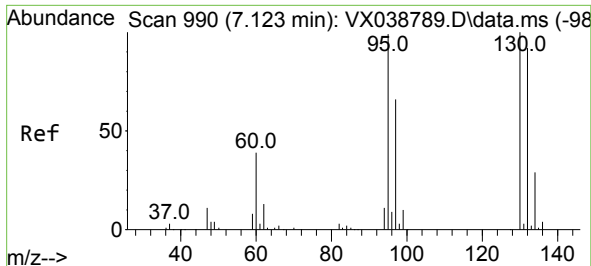
Tgt Ion:117 Resp: 11373
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.216 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.012 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

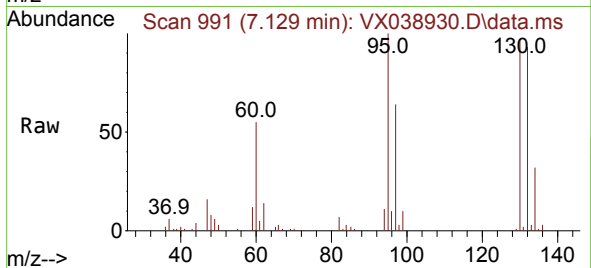
Tgt Ion: 41 Resp: 323
Ion Ratio Lower Upper
41 100
39 23.5 45.2 67.8#
67 19.5 52.6 78.8#
52 0.0 22.7 34.1#



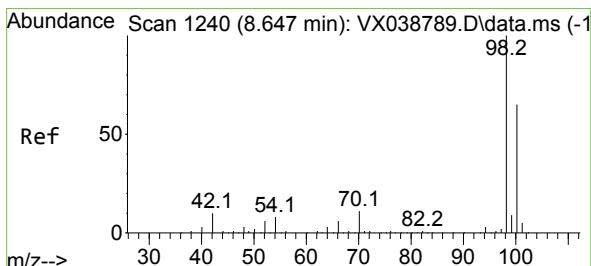
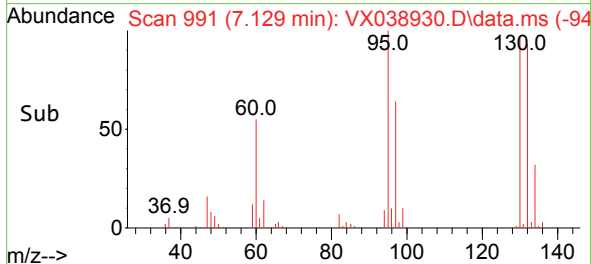
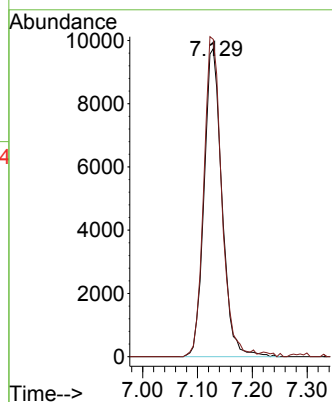


#44
Trichloroethene
Concen: 13.856 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

Instrument :
MSVOA_X
ClientSampleId :

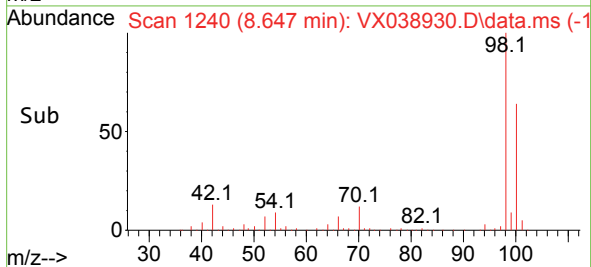
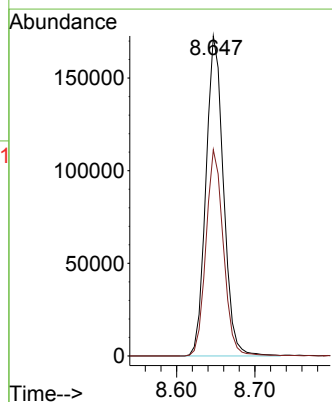
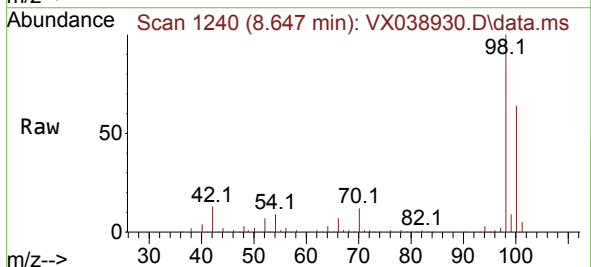


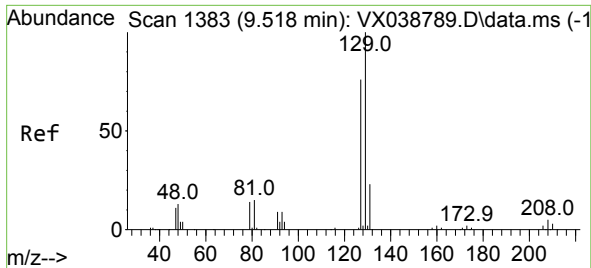
Tgt Ion:130 Resp: 22065
Ion Ratio Lower Upper
130 100
95 103.0 0.0 204.4



#50
Toluene-d8
Concen: 45.446 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

Tgt Ion: 98 Resp: 268347
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7

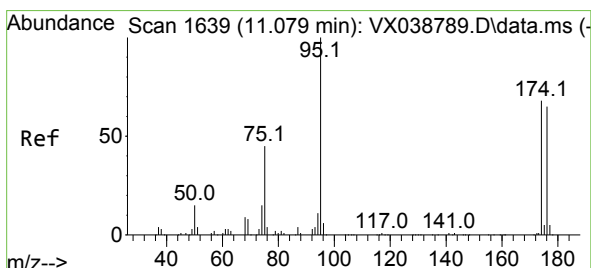
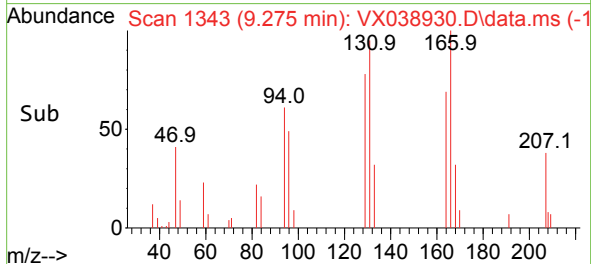
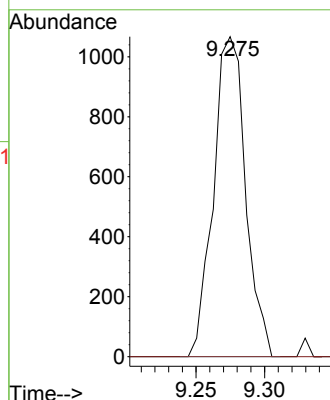
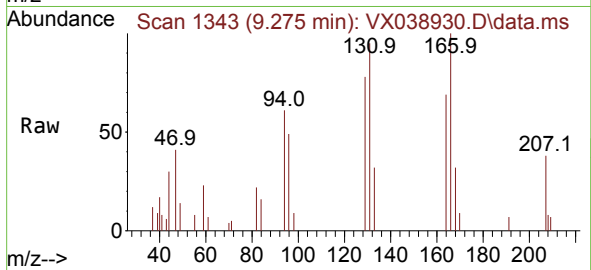




#60
Dibromochloromethane
Concen: 1.010 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

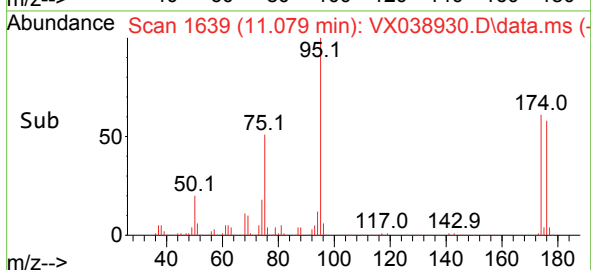
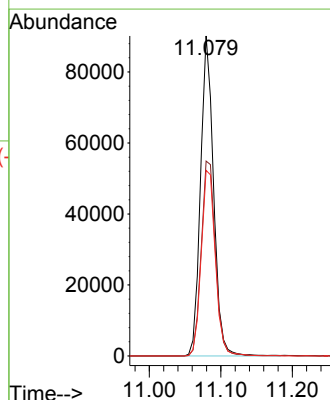
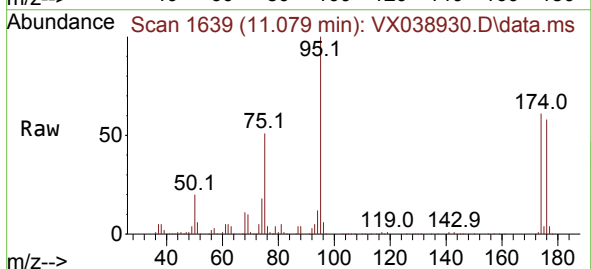
Instrument :
MSVOA_X
ClientSampleId :

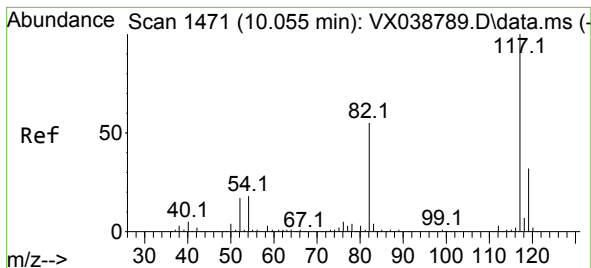
Tgt Ion:129 Resp: 1739
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.326 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038930.D
Acq: 18 Nov 2023 15:55

Tgt Ion: 95 Resp: 114228
Ion Ratio Lower Upper
95 100
174 66.5 0.0 135.6
176 62.9 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

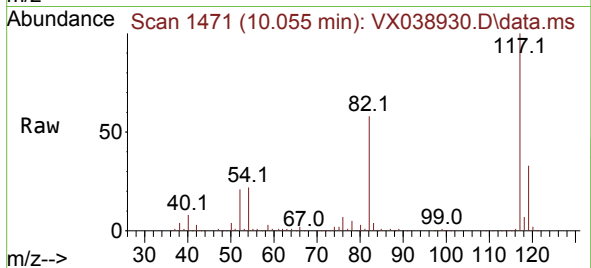
Lab File: VX038930.D

Acq: 18 Nov 2023 15:55

Instrument :

MSVOA_X

ClientSampleId :



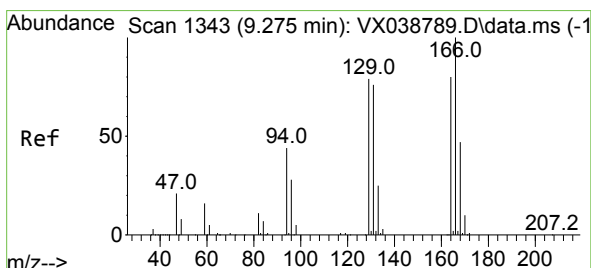
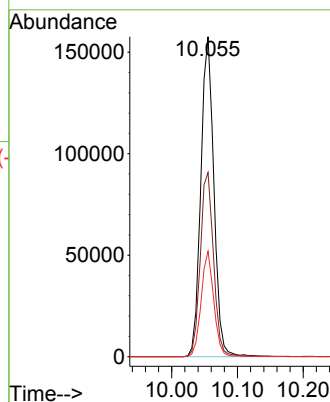
Tgt Ion:117 Resp: 217314

Ion Ratio Lower Upper

117 100

82 57.6 46.2 69.4

119 33.0 25.5 38.3



#64

Tetrachloroethene

Concen: 1.120 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX038930.D

Acq: 18 Nov 2023 15:55

Tgt Ion:164 Resp: 1513

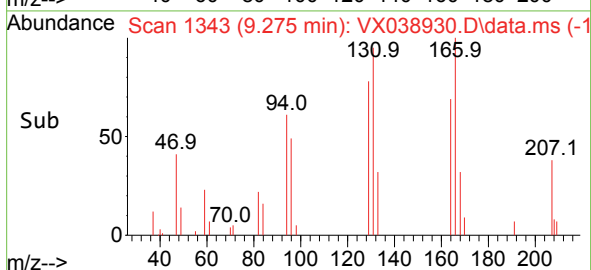
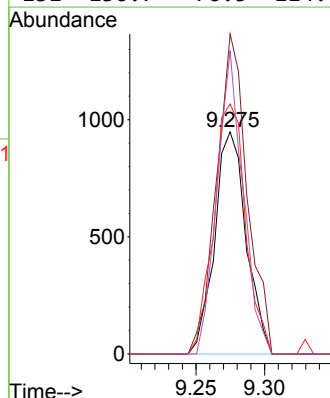
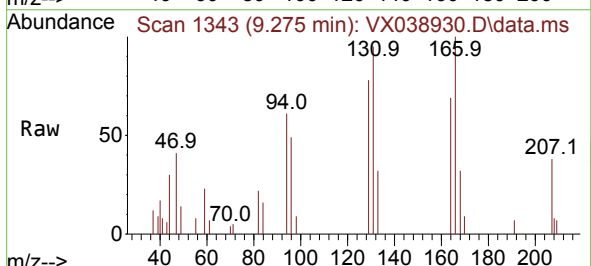
Ion Ratio Lower Upper

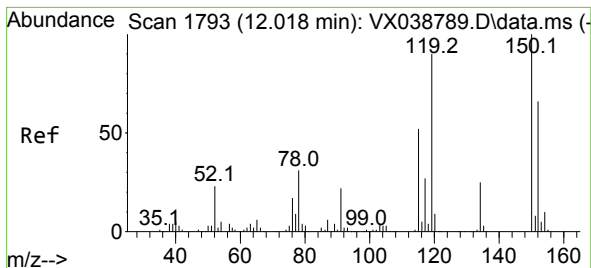
164 100

166 144.1 102.7 154.1

129 112.6 80.4 120.6

131 136.7 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX038930.D

Acq: 18 Nov 2023 15:55

Instrument :

MSVOA_X

ClientSampleId :

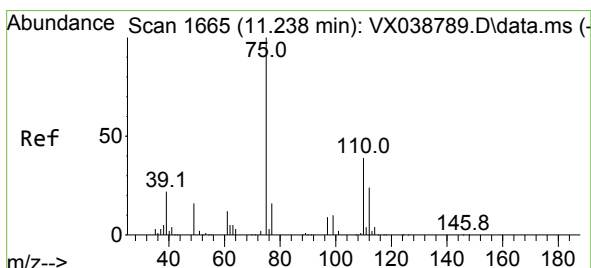
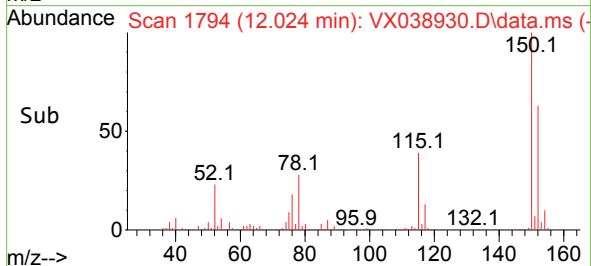
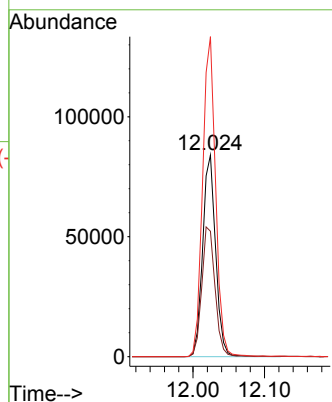
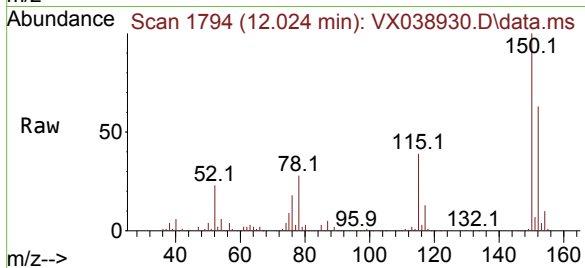
Tgt Ion:152 Resp: 105995

Ion Ratio Lower Upper

152 100

115 65.9 43.3 129.9

150 158.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.633 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038930.D

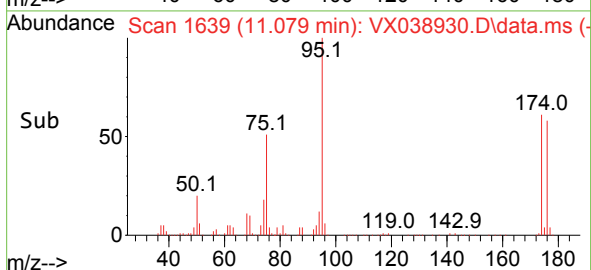
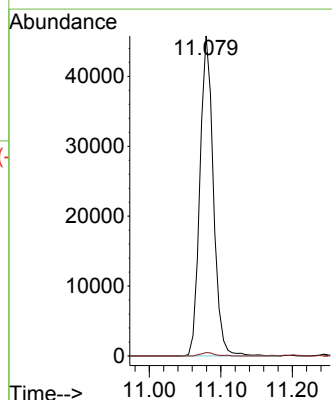
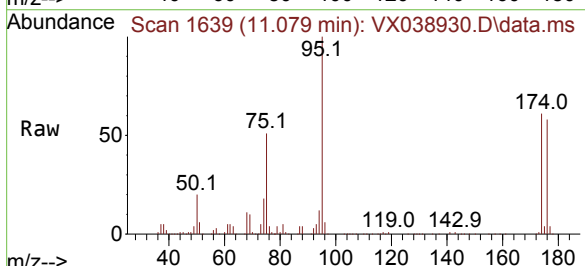
Acq: 18 Nov 2023 15:55

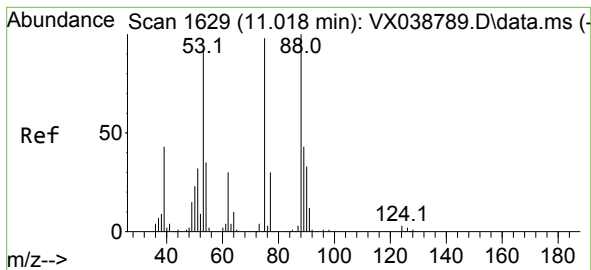
Tgt Ion: 75 Resp: 59854

Ion Ratio Lower Upper

75 100

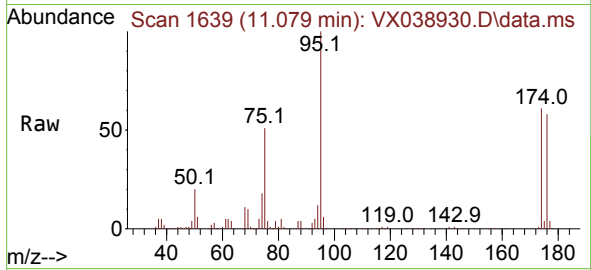
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.202 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038930.D
 Acq: 18 Nov 2023 15:55

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 59854
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 36.9 55.3#

