

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111623\
 Data File : VX038848.D
 Acq On : 16 Nov 2023 19:22
 Operator : JC/MD
 Sample : 05357-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20231107

Quant Time: Nov 16 23:06:49 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)

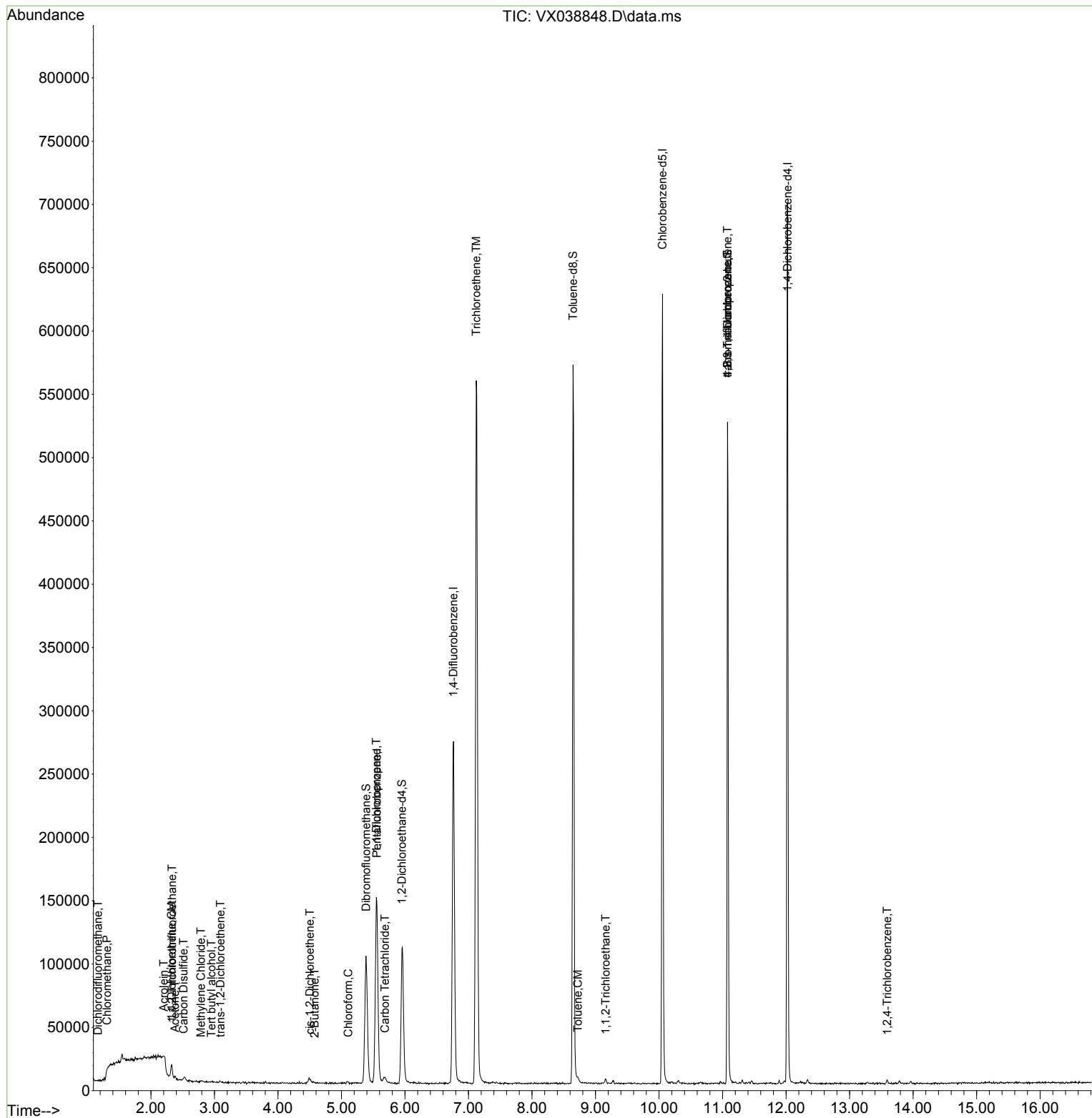
Internal Standards						
1) Pentafluorobenzene	5.556	168	132685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	275295	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	278862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99716	46.640	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.280%		
35) Dibromofluoromethane	5.385	113	88088	44.304	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.600%		
50) Toluene-d8	8.647	98	347169	45.637	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.280%#		
62) 4-Bromofluorobenzene	11.079	95	148730	48.841	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	499	0.322	ug/l	87
3) Chloromethane	1.307	50	504	0.249	ug/l #	74
9) 1,1,2-Trichlorotrifluo...	2.331	101	1684	1.028	ug/l	94
11) Tert butyl alcohol	2.953	59	355	0.597	ug/l #	1
12) 1,1-Dichloroethene	2.325	96	2743	1.659	ug/l #	85
13) Acrolein	2.203	56	115	0.366	ug/l #	14
16) Acetone	2.380	43	1811	1.591	ug/l #	88
17) Carbon Disulfide	2.514	76	1529	0.298	ug/l #	87
20) Methylene Chloride	2.788	84	980	0.478	ug/l #	80
21) trans-1,2-Dichloroethene	3.093	96	665	0.364	ug/l #	57
25) 2-Butanone	4.574	43	387	0.210	ug/l #	51
27) cis-1,2-Dichloroethene	4.501	96	2628	1.236	ug/l	76
30) Chloroform	5.105	83	1748	0.527	ug/l #	76
36) 1,1-Dichloropropene	5.550	75	12363	4.338	ug/l #	53
38) Carbon Tetrachloride	5.684	117	3801	1.443	ug/l #	80
44) Trichloroethene	7.123	130	209991	102.359	ug/l	98
52) Toluene	8.720	92	1333	0.255	ug/l	94
55) 1,1,2-Trichloroethane	9.159	97	1532	0.702	ug/l #	77
76) 1,2,3-Trichloropropane	11.079	75	76056	21.550	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	76056	47.801	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	677	0.220	ug/l	89

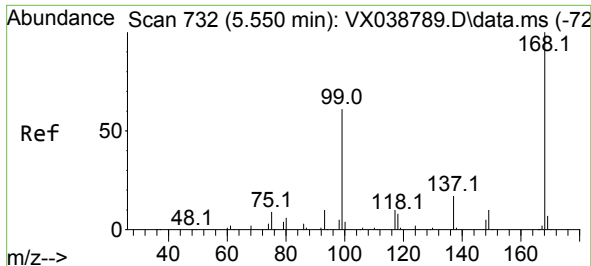
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111623\
Data File : VX038848.D
Acq On : 16 Nov 2023 19:22
Operator : JC/MD
Sample : 05357-01RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20231107

Quant Time: Nov 16 23:06:49 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX038848.D

Acq: 16 Nov 2023 19:22

Instrument :

MSVOA_X

ClientSampleId :

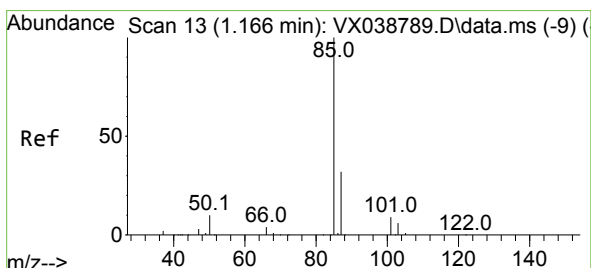
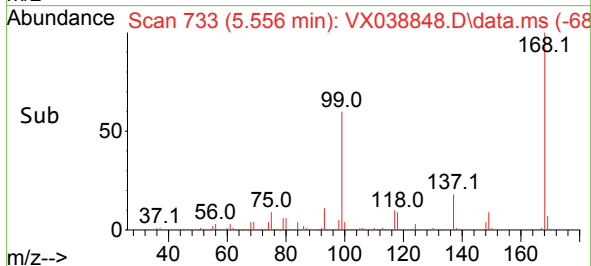
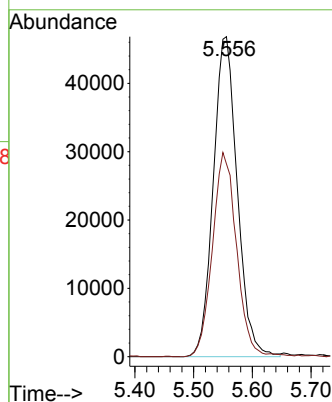
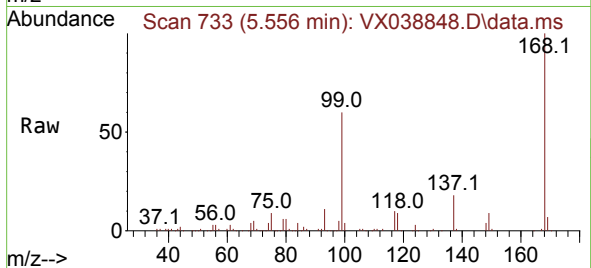
DUP01-20231107

Tgt Ion:168 Resp: 132685

Ion Ratio Lower Upper

168 100

99 60.2 56.6 85.0



#2

Dichlorodifluoromethane

Concen: 0.322 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX038848.D

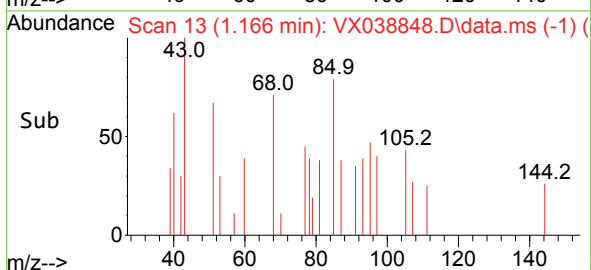
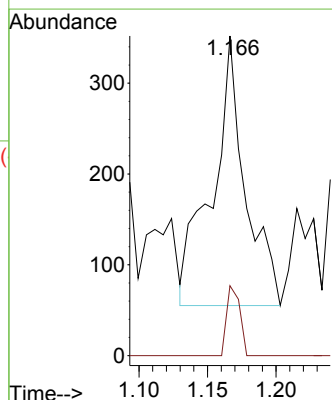
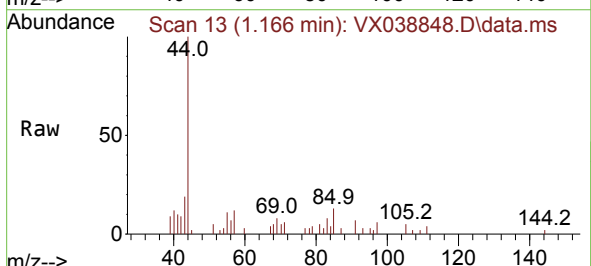
Acq: 16 Nov 2023 19:22

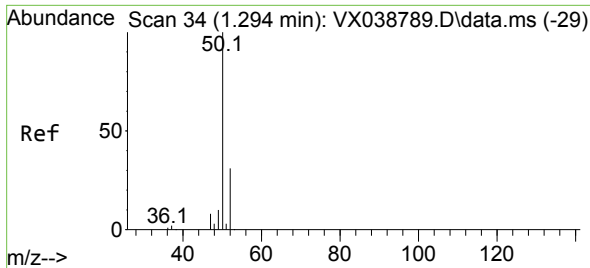
Tgt Ion: 85 Resp: 499

Ion Ratio Lower Upper

85 100

87 25.9 16.7 50.1

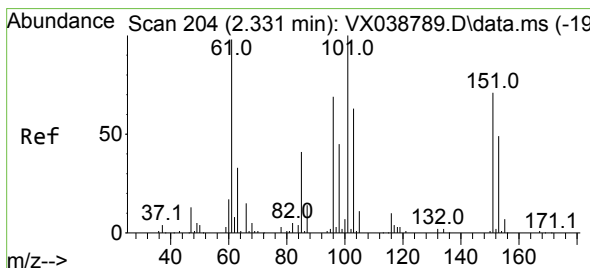
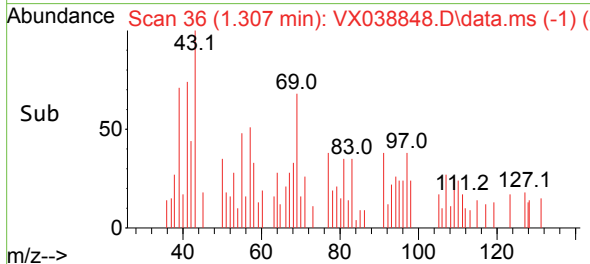
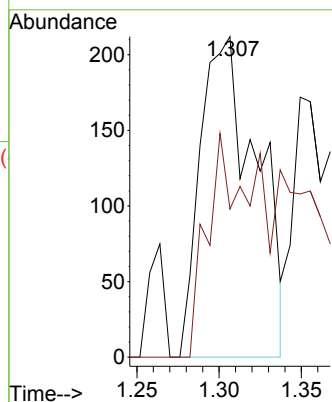
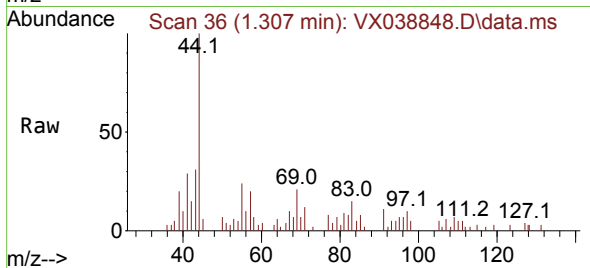




#3
Chloromethane
Concen: 0.249 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.013 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

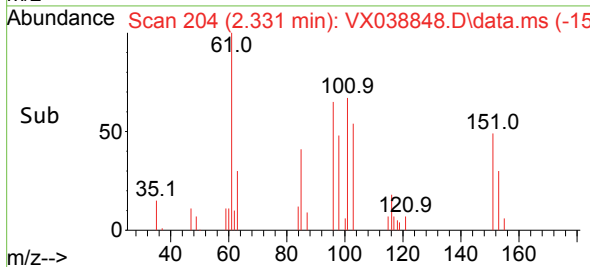
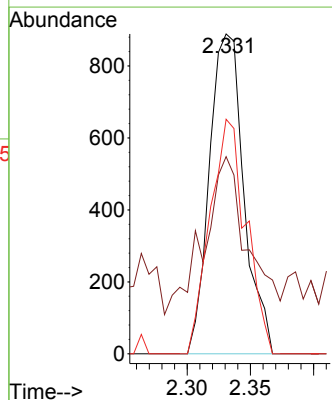
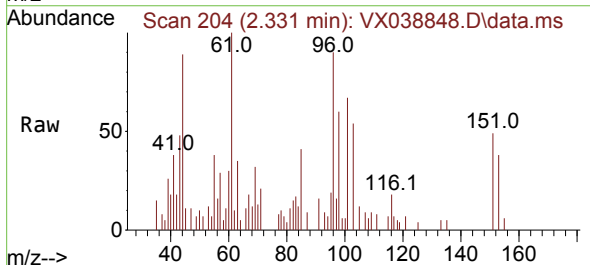
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20231107

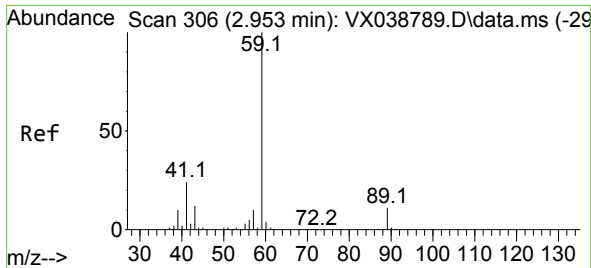
Tgt Ion: 50 Resp: 504
Ion Ratio Lower Upper
50 100
52 46.2 25.5 38.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.028 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

Tgt Ion: 101 Resp: 1684
Ion Ratio Lower Upper
101 100
85 51.8 37.0 55.6
151 76.7 58.6 87.8

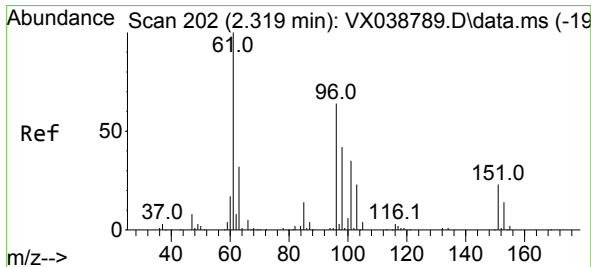
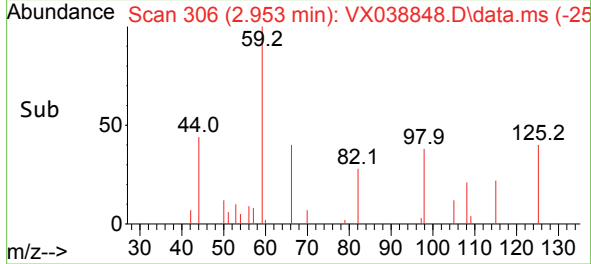
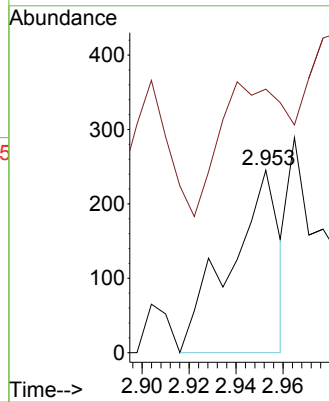
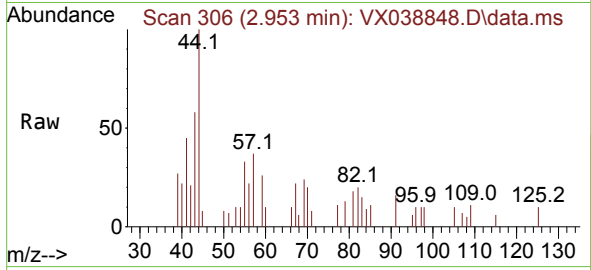




#11
Tert butyl alcohol
Concen: 0.597 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

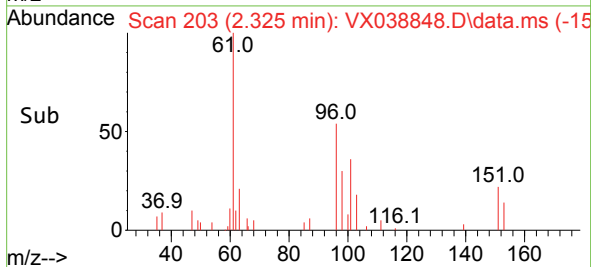
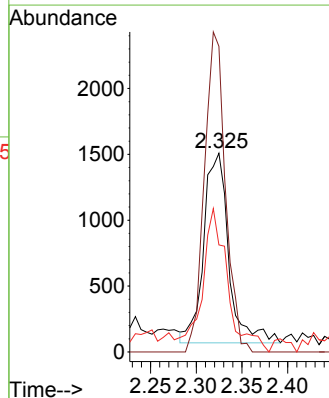
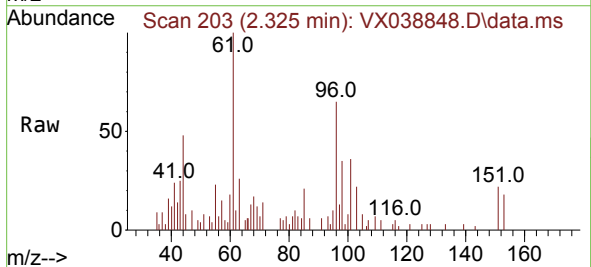
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20231107

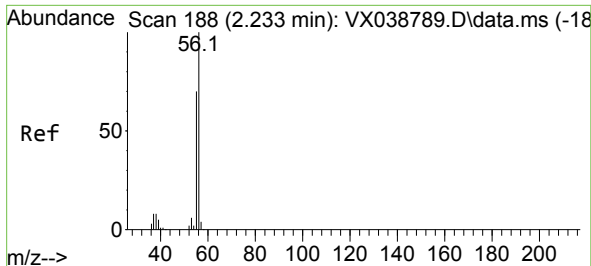
Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 101.1 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 1.659 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

Tgt Ion: 96 Resp: 2743
Ion Ratio Lower Upper
96 100
61 161.1 144.6 216.8
98 49.6 50.4 75.6#

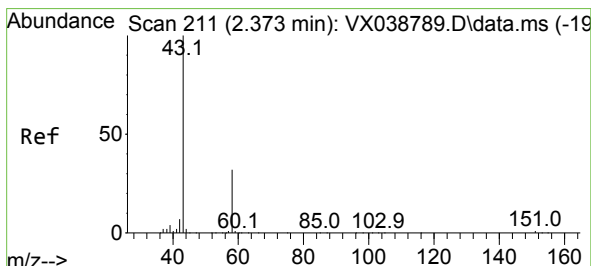
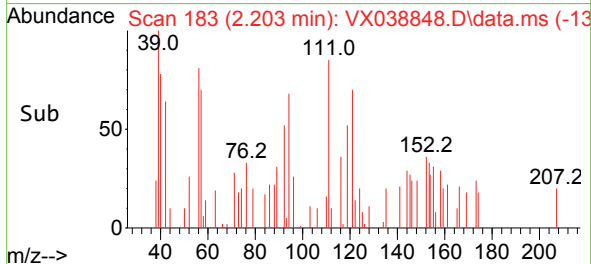
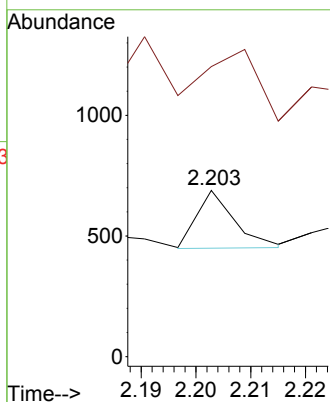
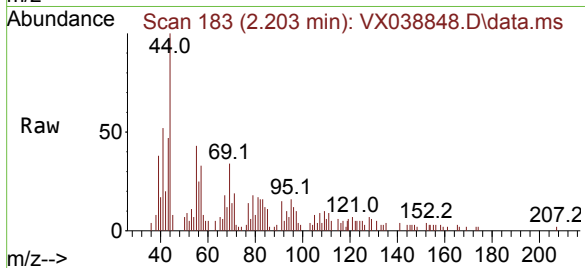




#13
Acrolein
Concen: 0.366 ug/l
RT: 2.203 min Scan# 115
Delta R.T. -0.030 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

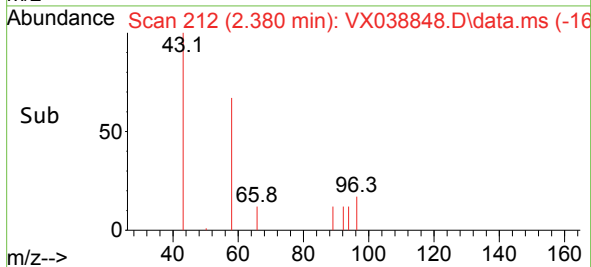
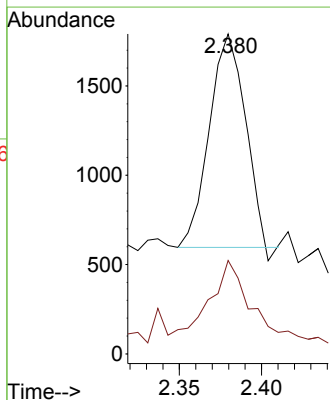
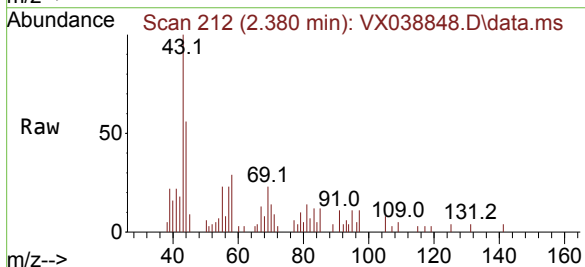
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20231107

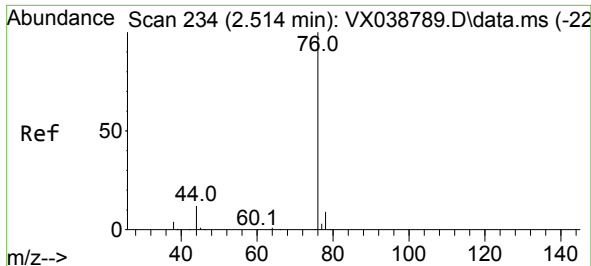
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 1.591 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

Tgt Ion: 43 Resp: 1811
Ion Ratio Lower Upper
43 100
58 33.6 21.9 32.9#

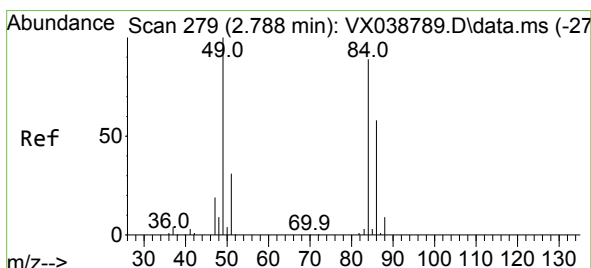
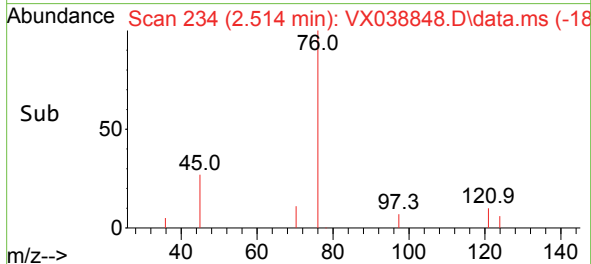
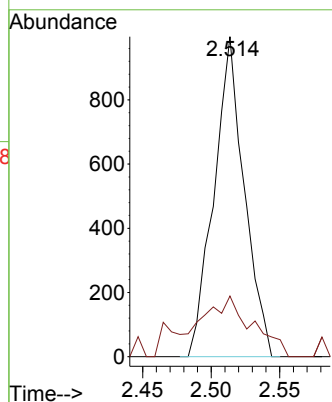
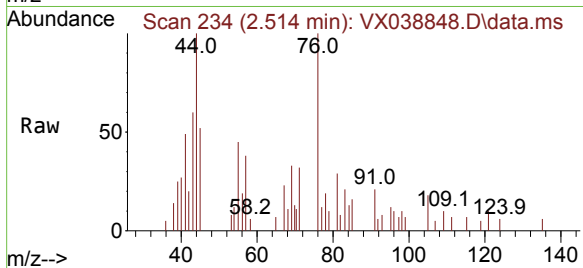




#17
Carbon Disulfide
Concen: 0.298 ug/l
RT: 2.514 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

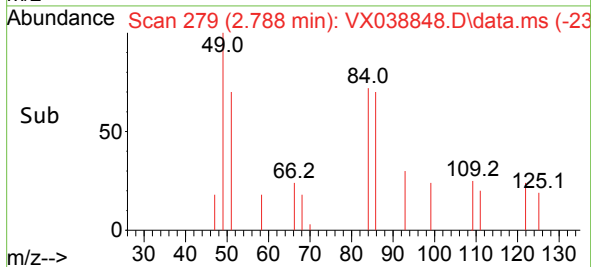
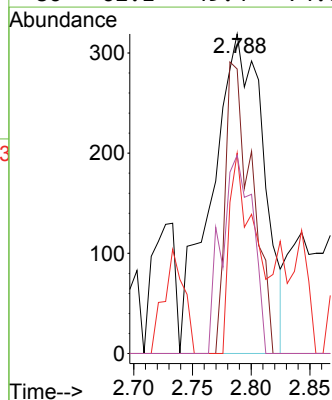
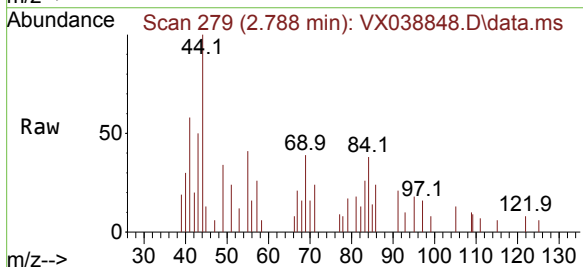
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20231107

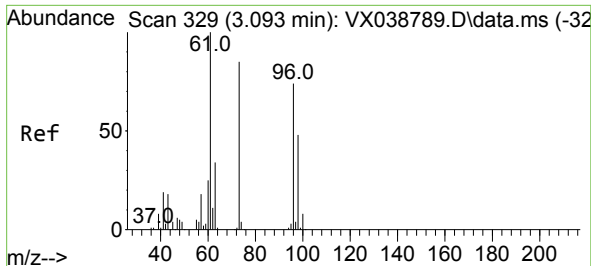
Tgt Ion: 76 Resp: 1529
Ion Ratio Lower Upper
76 100
78 13.6 7.0 10.6#



#20
Methylene Chloride
Concen: 0.478 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

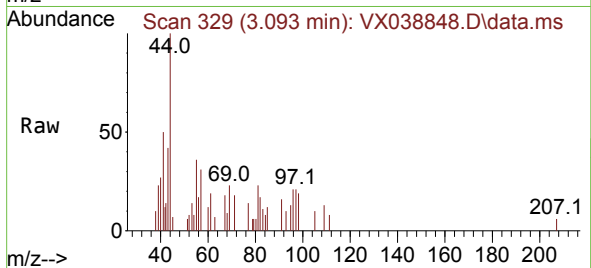
Tgt Ion: 84 Resp: 980
Ion Ratio Lower Upper
84 100
49 89.0 103.6 155.4#
51 39.5 33.8 50.6
86 62.1 49.4 74.0



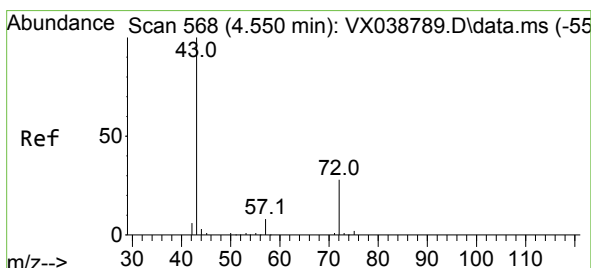
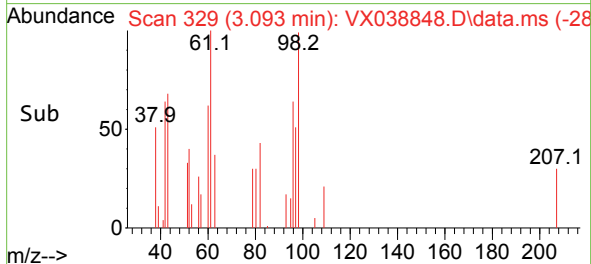
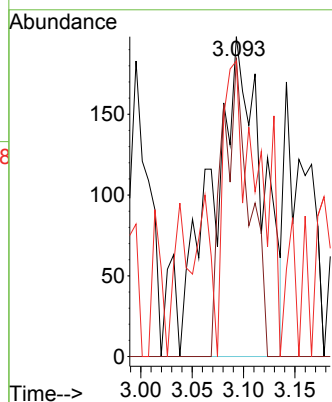


#21
trans-1,2-Dichloroethene
Concen: 0.364 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20231107

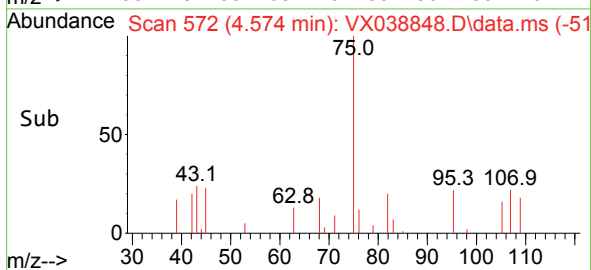
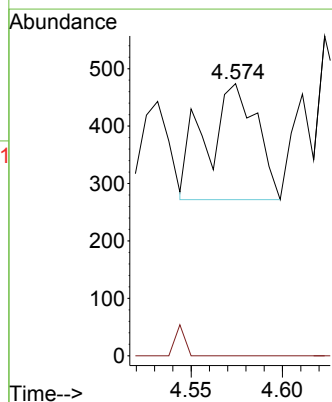
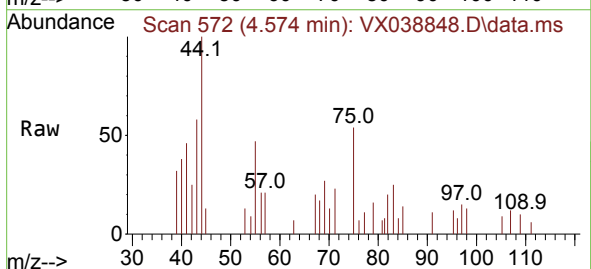


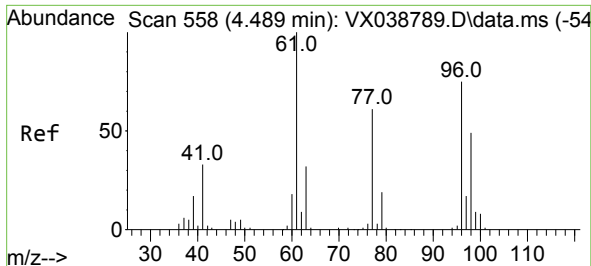
Tgt Ion: 96 Resp: 665
Ion Ratio Lower Upper
96 100
61 93.4 119.2 178.8#
98 92.4 48.7 73.1#



#25
2-Butanone
Concen: 0.210 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.024 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 1.236 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX038848.D

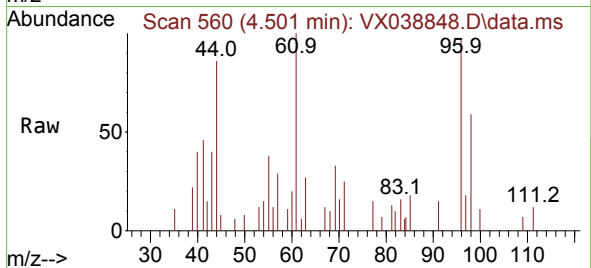
Acq: 16 Nov 2023 19:22

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20231107



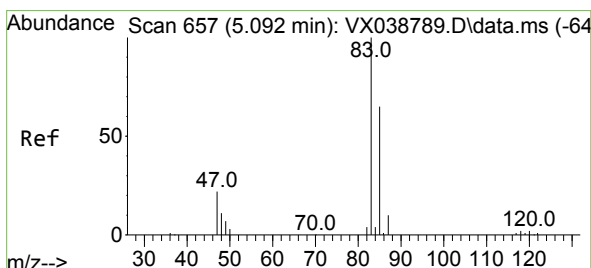
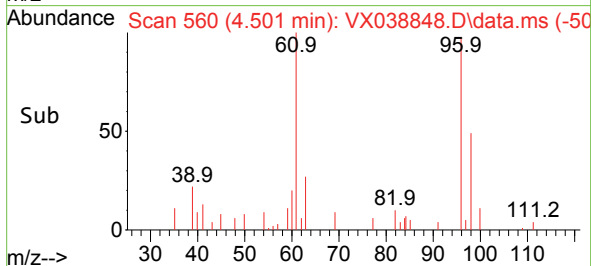
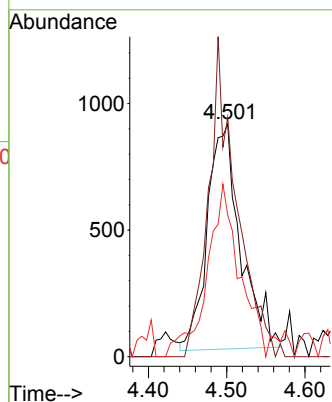
Tgt Ion: 96 Resp: 2628

Ion Ratio Lower Upper

96 100

61 118.6 0.0 312.2

98 74.5 0.0 129.0



#30

Chloroform

Concen: 0.527 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.012 min

Lab File: VX038848.D

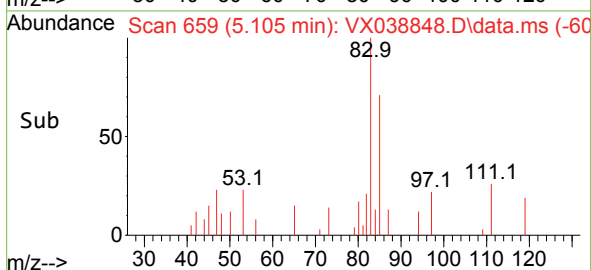
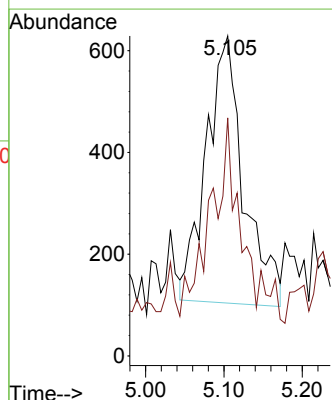
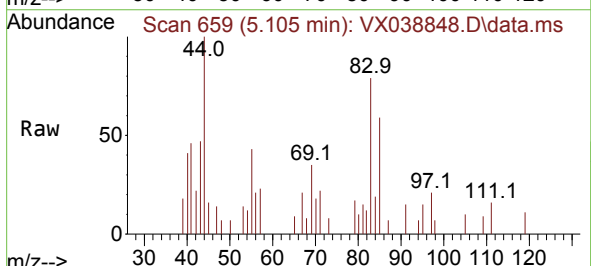
Acq: 16 Nov 2023 19:22

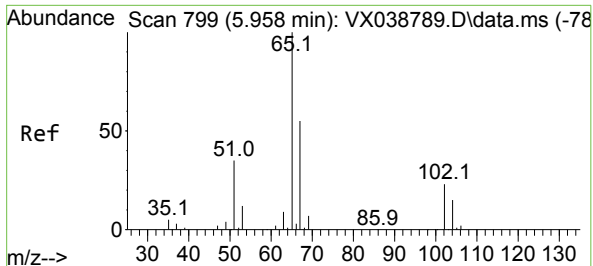
Tgt Ion: 83 Resp: 1748

Ion Ratio Lower Upper

83 100

85 81.3 50.3 75.5#





#33

1,2-Dichloroethane-d4

Concen: 46.640 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038848.D

Acq: 16 Nov 2023 19:22

Instrument :

MSVOA_X

ClientSampleId :

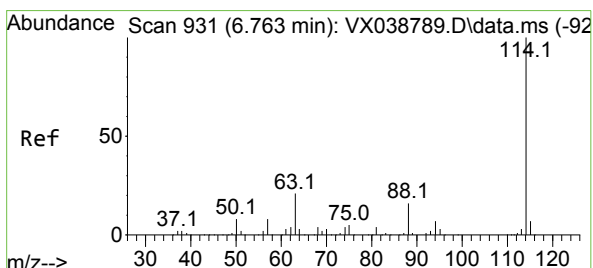
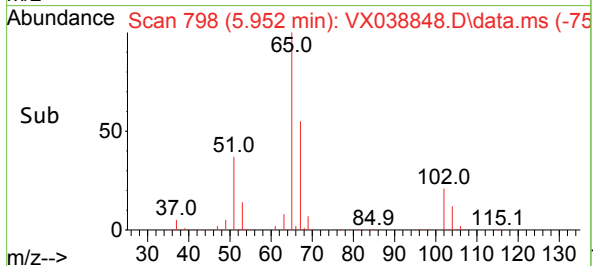
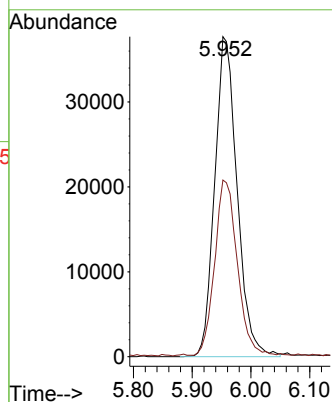
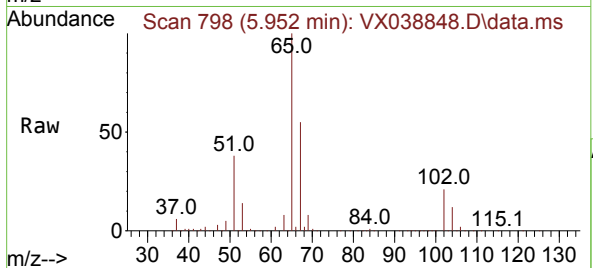
DUP01-20231107

Tgt Ion: 65 Resp: 99716

Ion Ratio Lower Upper

65 100

67 55.1 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: VX038848.D

Acq: 16 Nov 2023 19:22

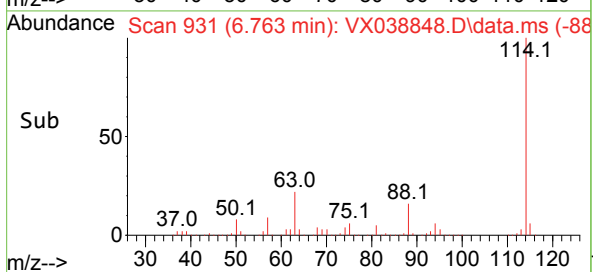
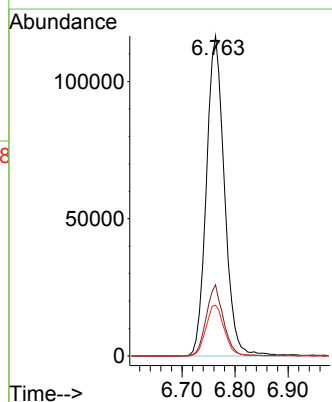
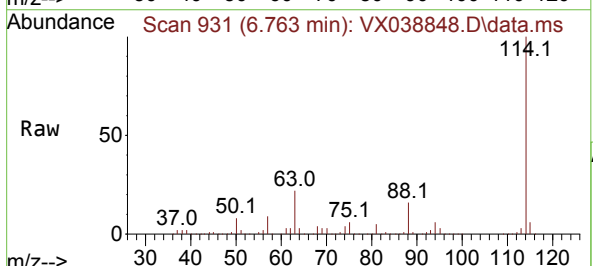
Tgt Ion:114 Resp: 275295

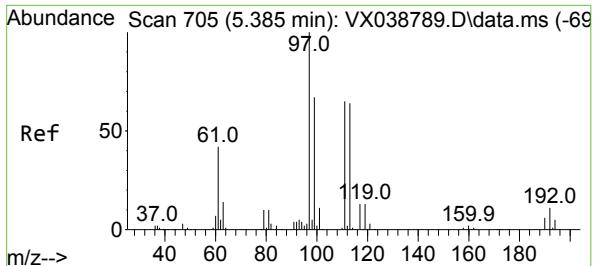
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.0

88 15.9 0.0 36.6

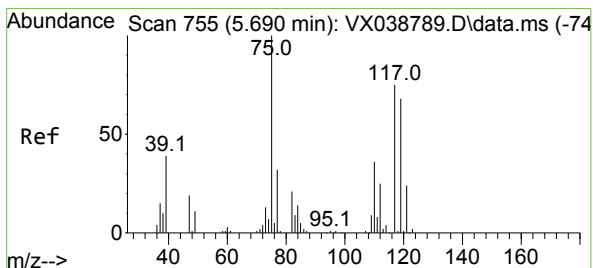
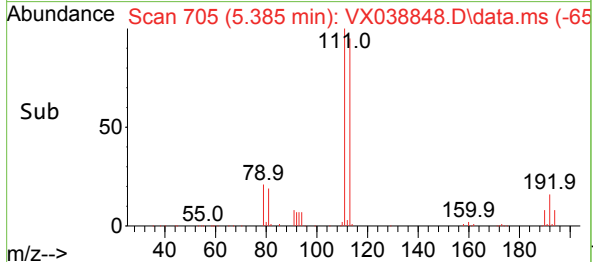
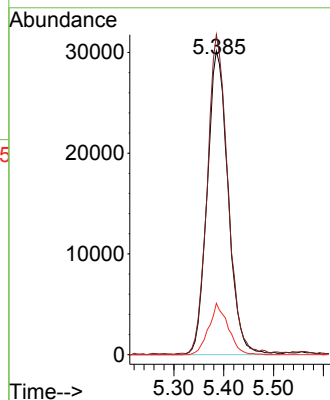
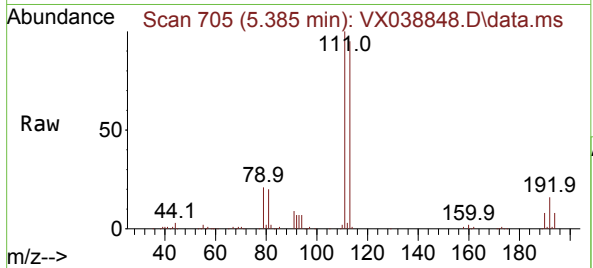




#35
Dibromofluoromethane
Concen: 44.304 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

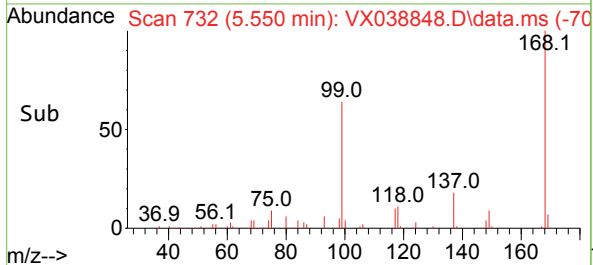
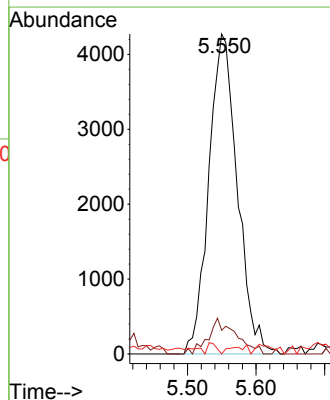
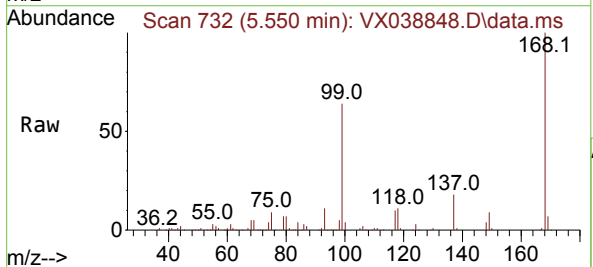
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20231107

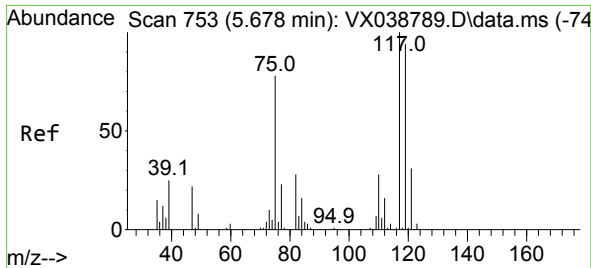
Tgt Ion:113 Resp: 88088
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 15.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.338 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

Tgt Ion: 75 Resp: 12363
Ion Ratio Lower Upper
75 100
110 10.8 17.0 50.9#
77 1.1 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 1.443 ug/l

RT: 5.684 min Scan# 753

Delta R.T. 0.006 min

Lab File: VX038848.D

Acq: 16 Nov 2023 19:22

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20231107

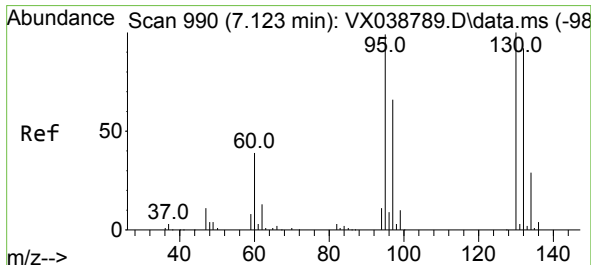
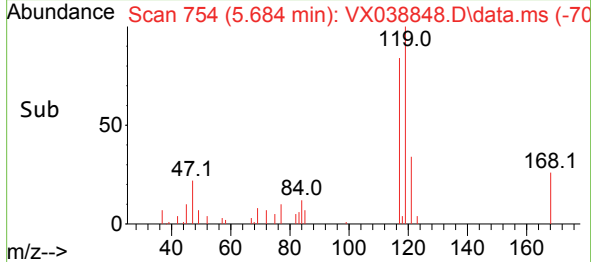
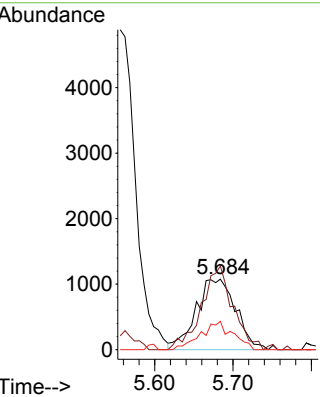
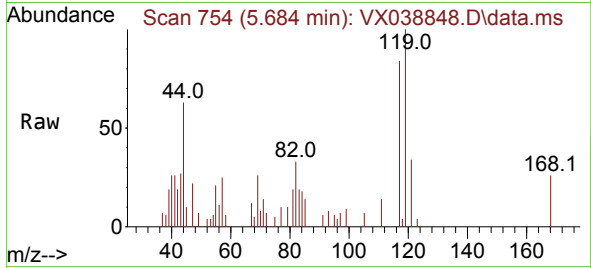
Tgt Ion:117 Resp: 3801

Ion Ratio Lower Upper

117 100

119 118.6 78.2 117.2#

121 40.1 24.4 36.6#



#44

Trichloroethene

Concen: 102.359 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX038848.D

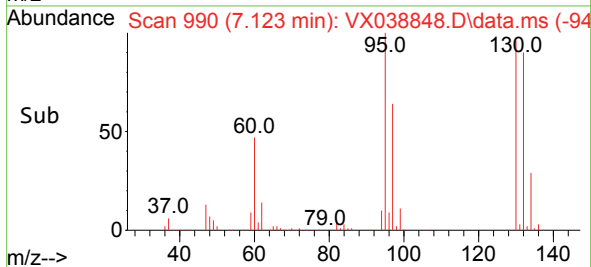
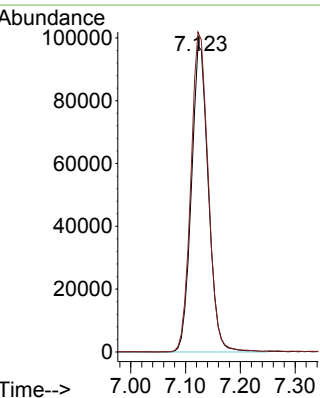
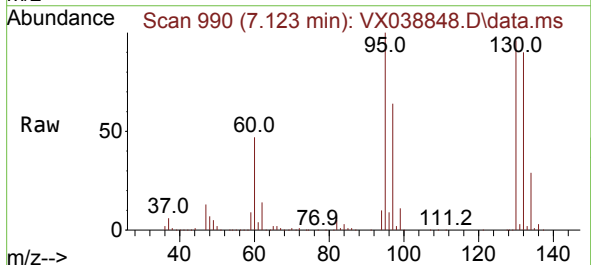
Acq: 16 Nov 2023 19:22

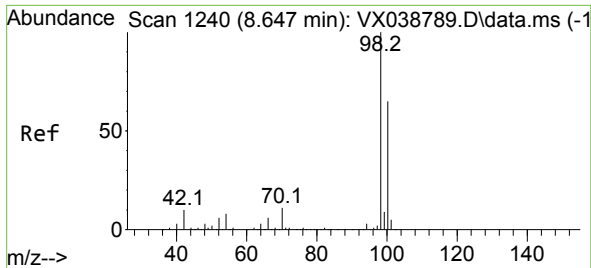
Tgt Ion:130 Resp: 209991

Ion Ratio Lower Upper

130 100

95 104.5 0.0 204.4

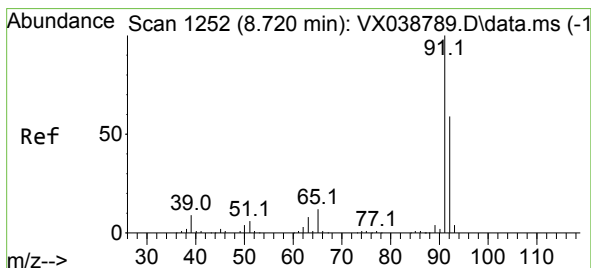
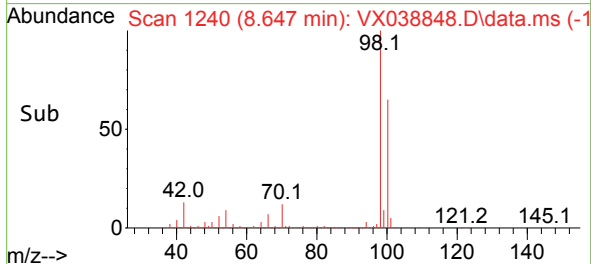
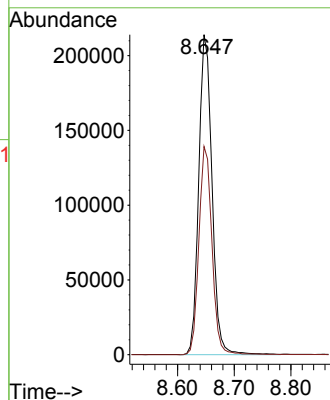
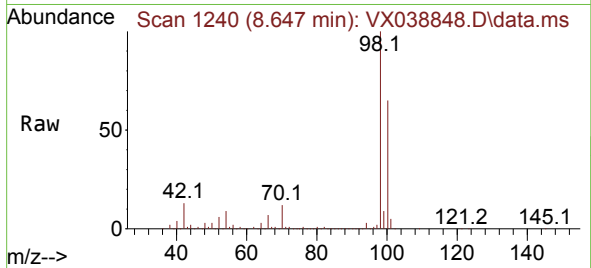




#50
Toluene-d8
Concen: 45.637 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

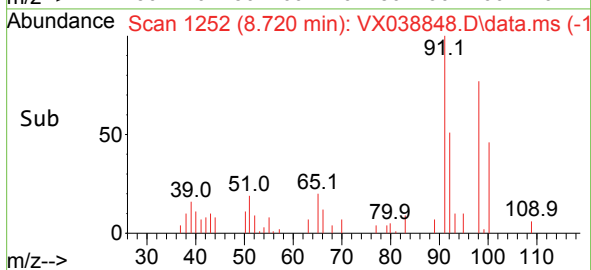
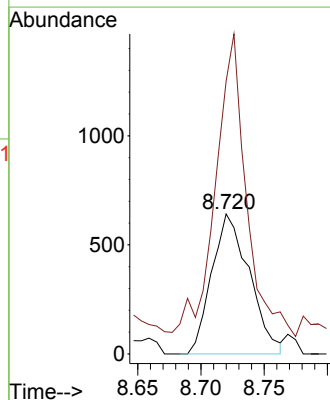
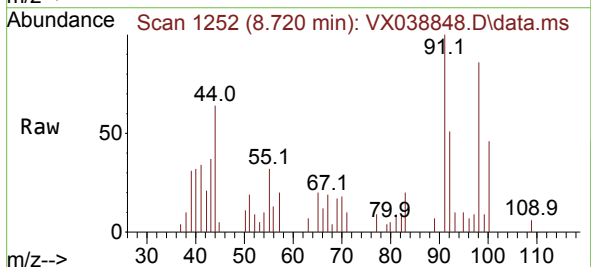
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20231107

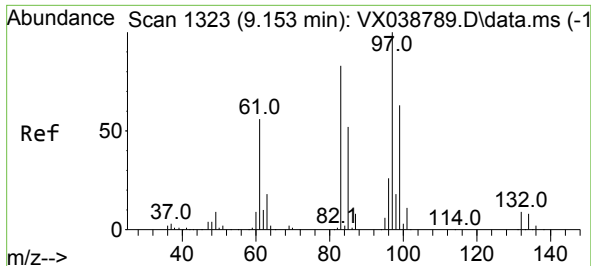
Tgt Ion: 98 Resp: 347169
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#52
Toluene
Concen: 0.255 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

Tgt Ion: 92 Resp: 1333
Ion Ratio Lower Upper
92 100
91 176.0 134.2 201.2

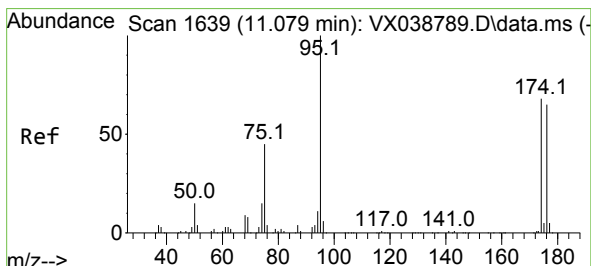
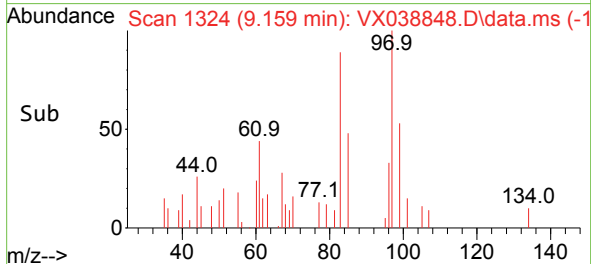
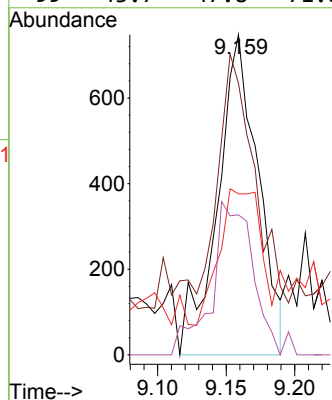
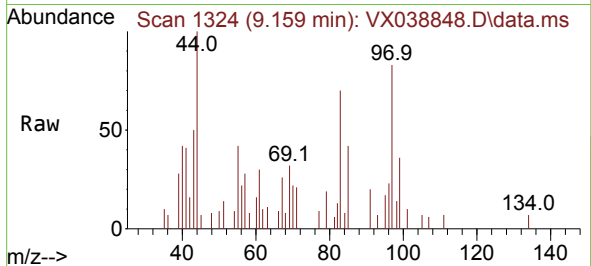




#55
1,1,2-Trichloroethane
Concen: 0.702 ug/l
RT: 9.159 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

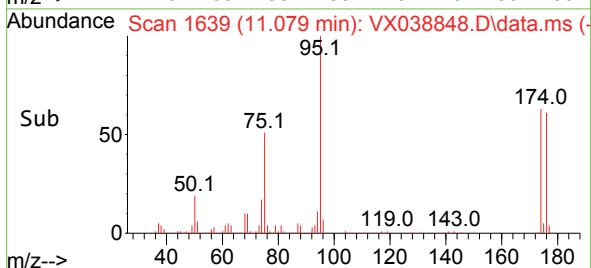
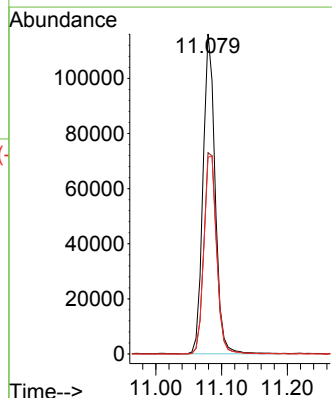
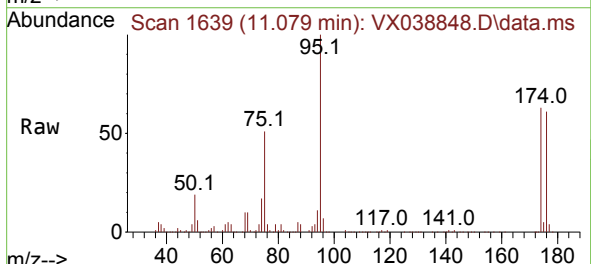
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20231107

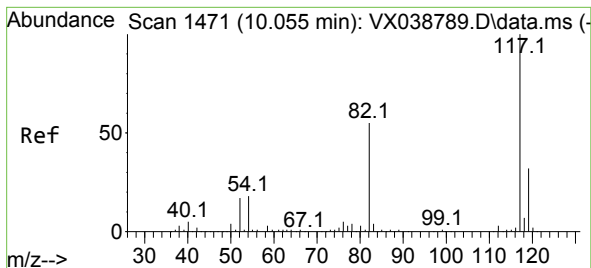
Tgt Ion:	97	Resp:	1532
Ion	Ratio	Lower	Upper
97	100		
83	63.4	65.8	98.8#
85	31.7	41.6	62.4#
99	43.7	47.8	71.8#



#62
4-Bromofluorobenzene
Concen: 48.841 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

Tgt Ion:	95	Resp:	148730
Ion	Ratio	Lower	Upper
95	100		
174	66.2	0.0	135.6
176	65.2	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: VX038848.D

Acq: 16 Nov 2023 19:22

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20231107

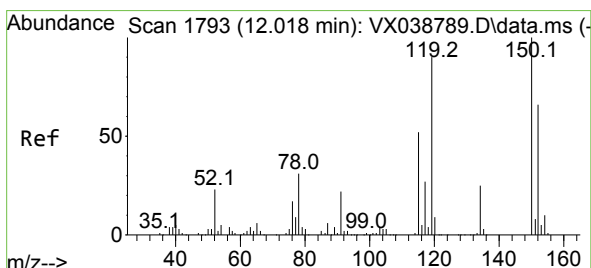
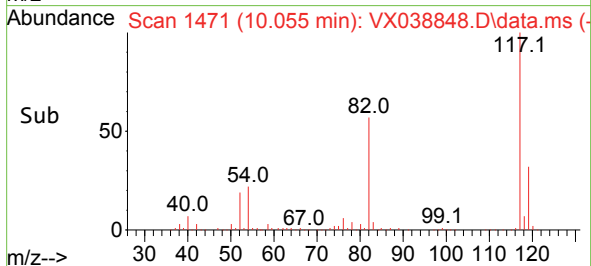
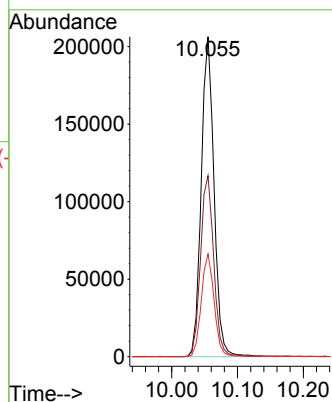
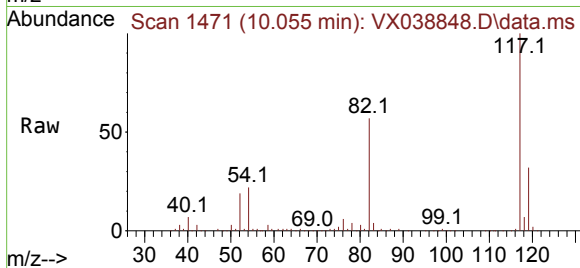
Tgt Ion:117 Resp: 278862

Ion Ratio Lower Upper

117 100

82 56.5 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. 0.006 min

Lab File: VX038848.D

Acq: 16 Nov 2023 19:22

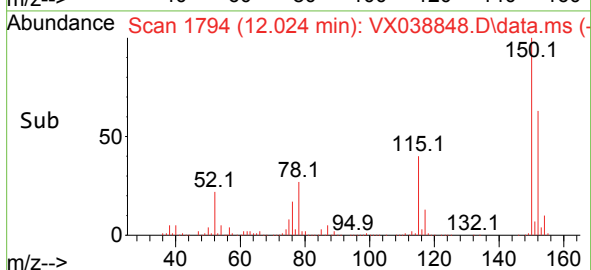
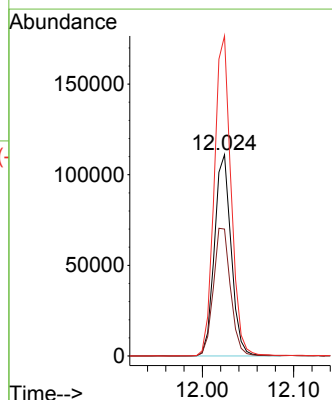
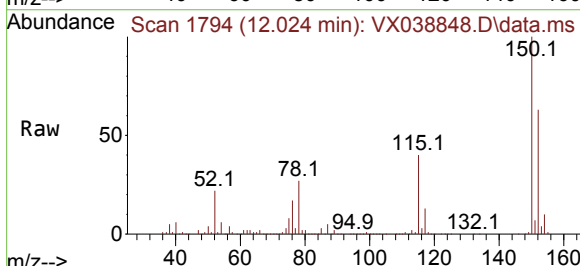
Tgt Ion:152 Resp: 141453

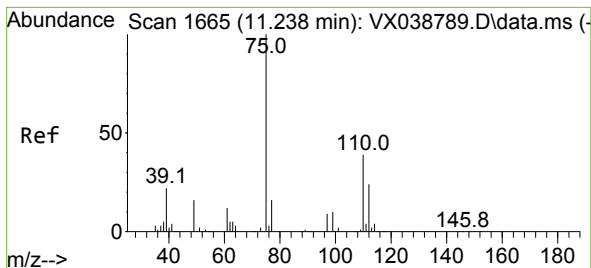
Ion Ratio Lower Upper

152 100

115 65.2 43.3 129.9

150 160.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.550 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038848.D

Acq: 16 Nov 2023 19:22

Instrument :

MSVOA_X

ClientSampleId :

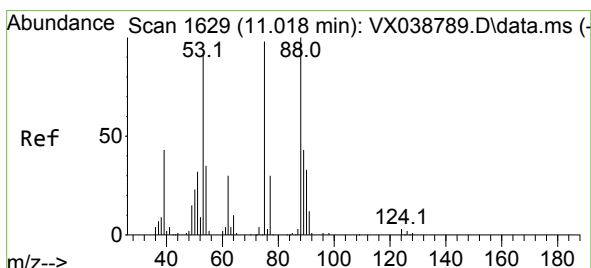
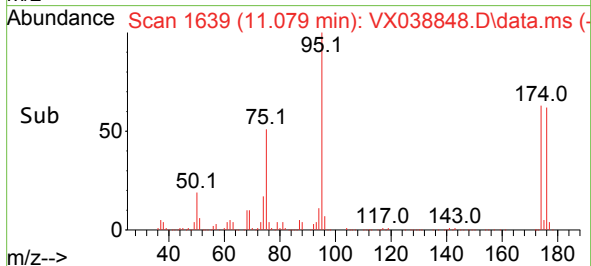
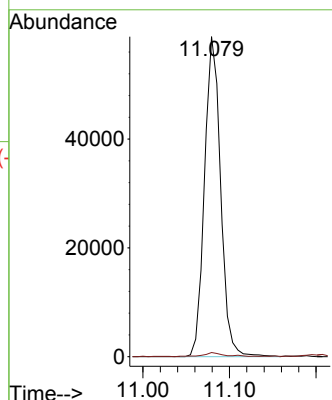
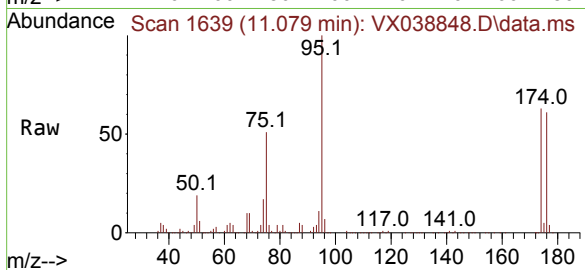
DUP01-20231107

Tgt Ion: 75 Resp: 76056

Ion Ratio Lower Upper

75 100

77 1.8 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.801 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038848.D

Acq: 16 Nov 2023 19:22

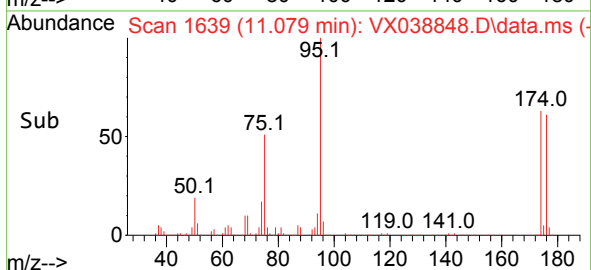
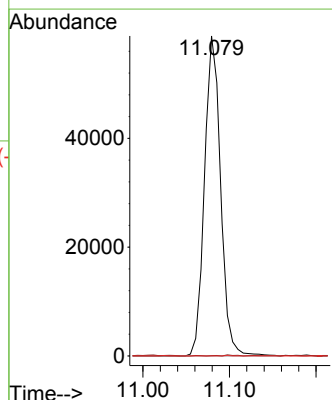
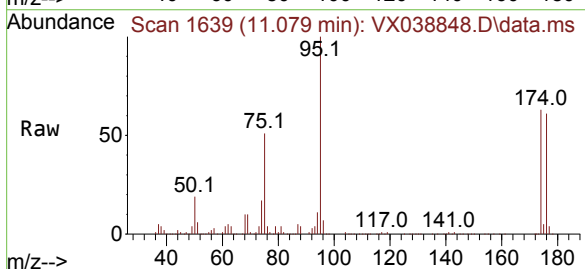
Tgt Ion: 75 Resp: 76056

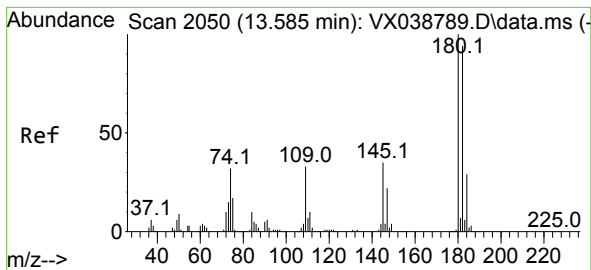
Ion Ratio Lower Upper

75 100

53 0.3 90.5 135.7#

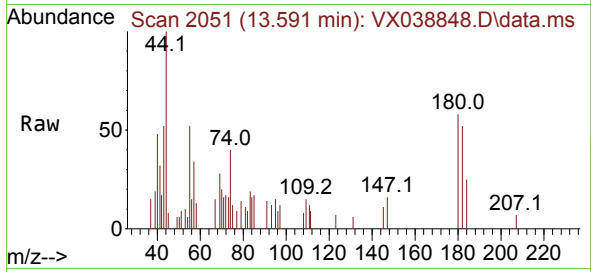
89 0.0 36.9 55.3#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.220 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX038848.D
 Acq: 16 Nov 2023 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20231107



Tgt Ion:	180	Resp:	677
Ion Ratio	Lower	Upper	
180	100		
182	89.5	48.3	144.8
145	24.4	18.0	54.0

