

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 :

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

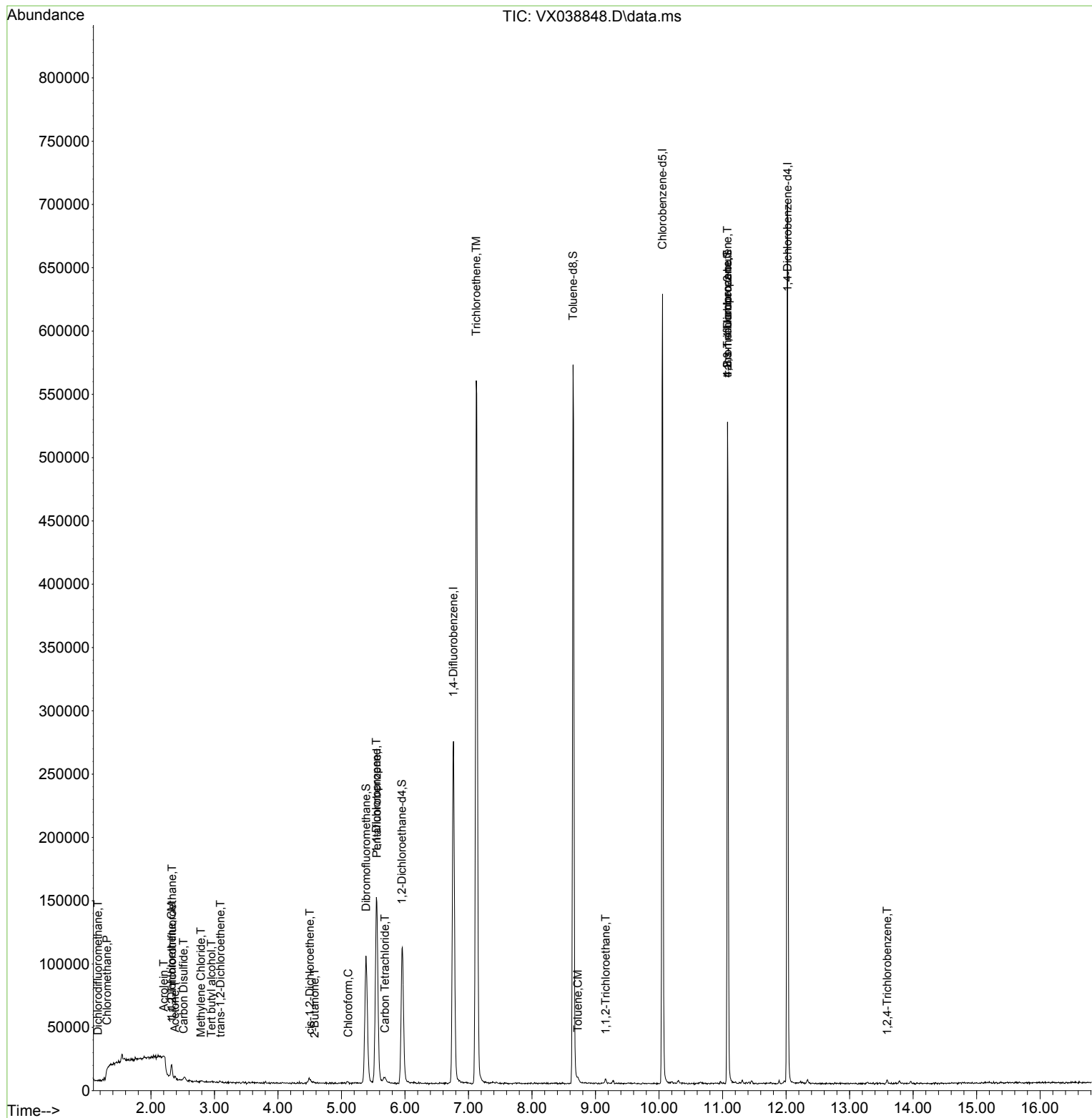
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	132685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	275295	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	278862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141453	50.000	ug/l	0.00
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

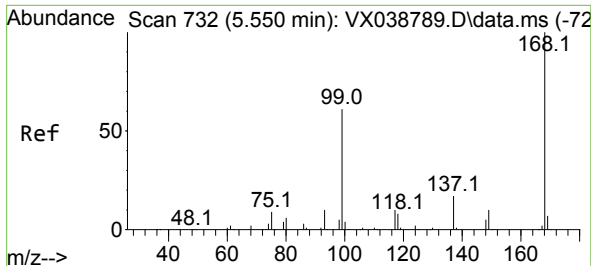
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

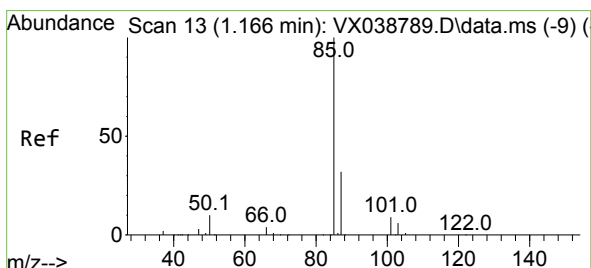
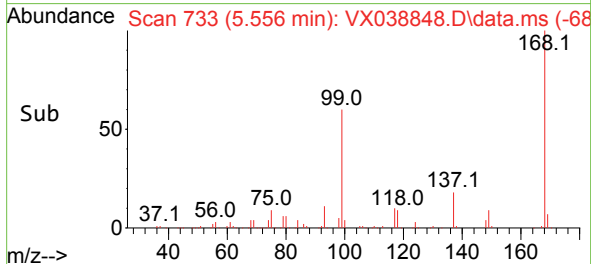
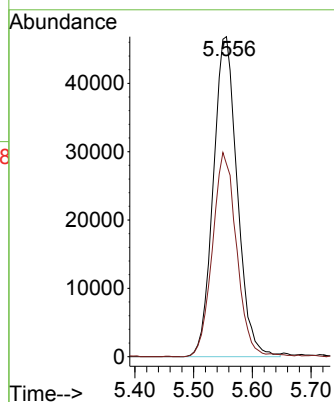
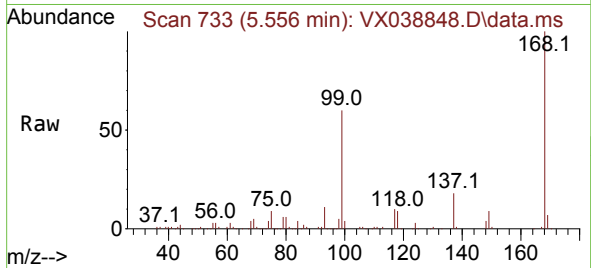




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

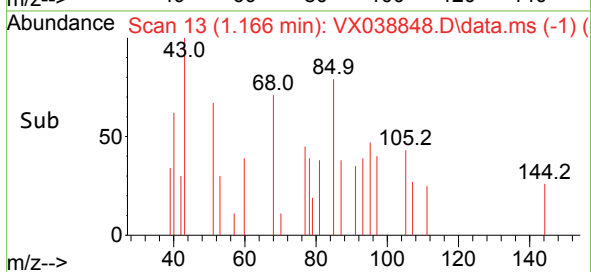
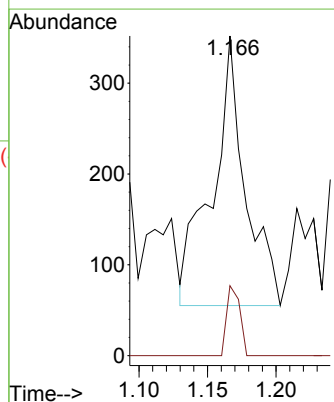
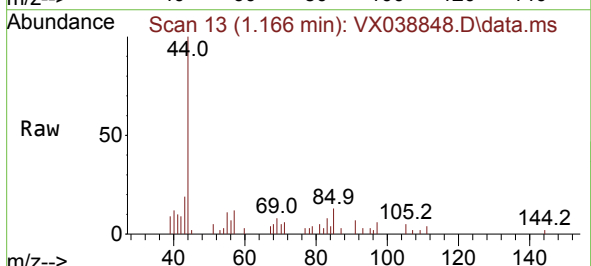
Instrument :
MSVOA_X
ClientSampleId :

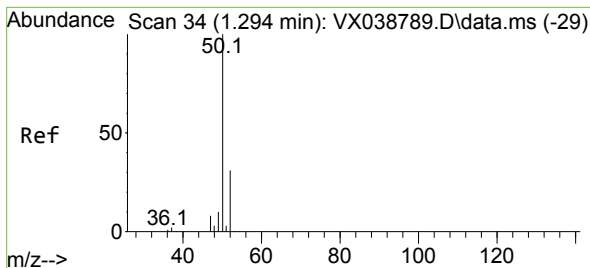
Tgt Ion:168 Resp: 132685
Ion Ratio Lower Upper
168 100
99 60.2 56.6 85.0



#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

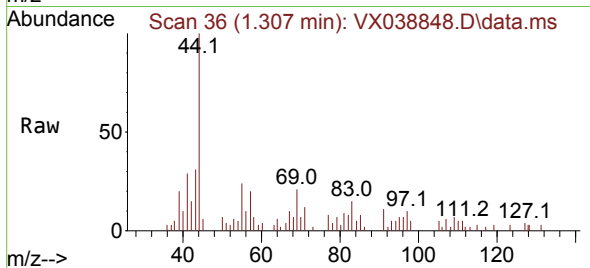
Lab File: VX038848.D

Acq: 16 Nov 2023 19:22

Instrument :

MSVOA_X

ClientSampleId :

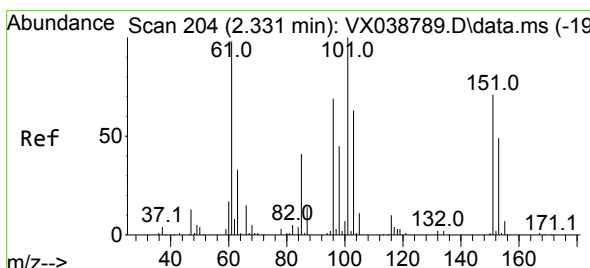
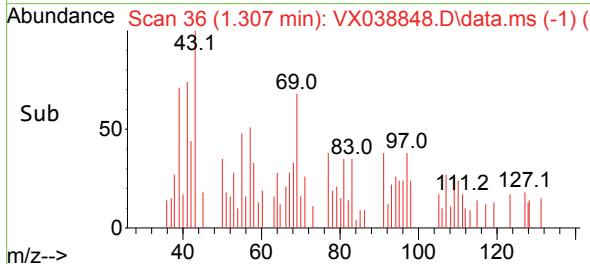
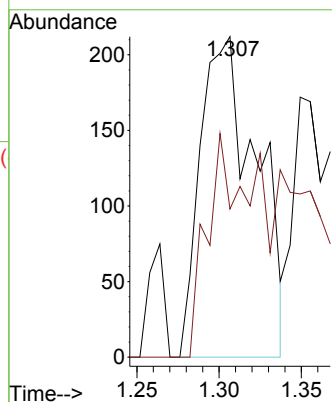


Tgt Ion: 50 Resp: 504

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

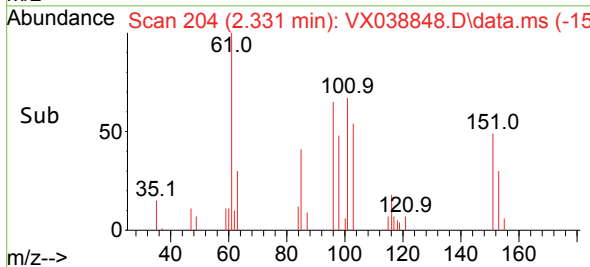
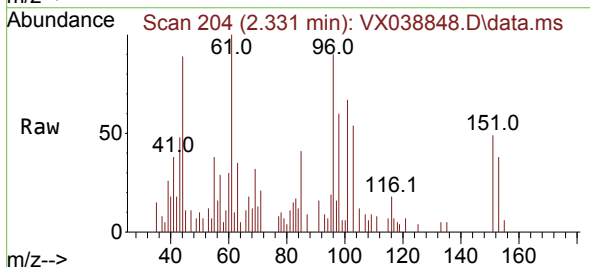
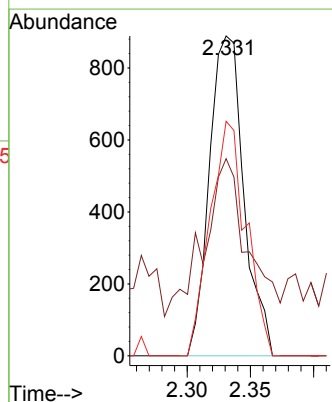
Tgt Ion: 101 Resp: 1684

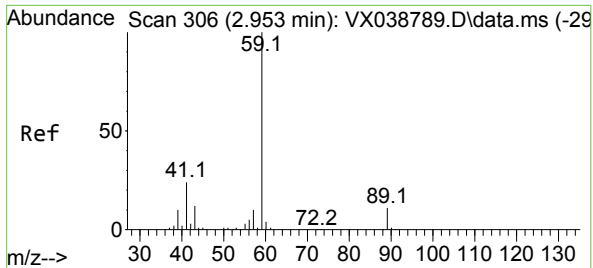
Ion Ratio Lower Upper

101 100

85 51.8 37.0 55.6

151 76.7 58.6 87.8

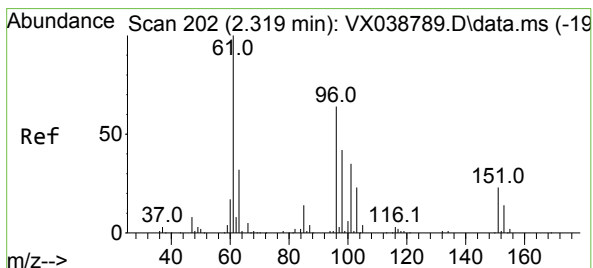
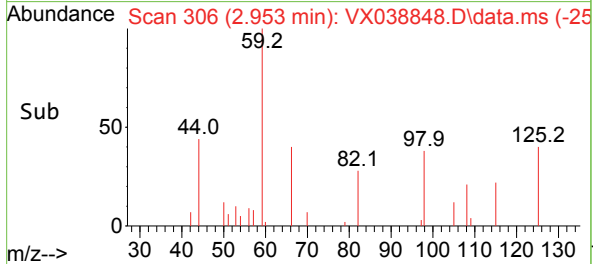
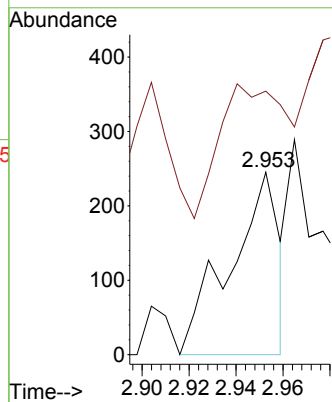
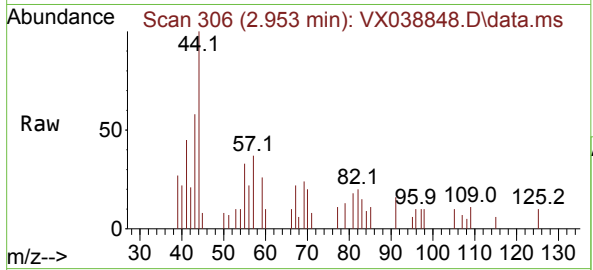




#11
Tert butyl alcohol
Concen: 0.597 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

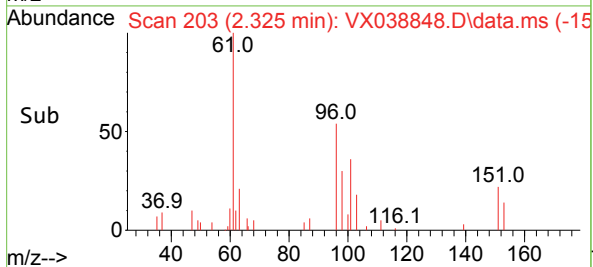
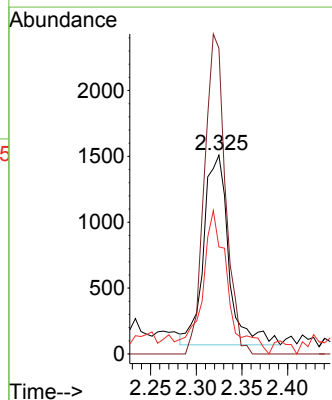
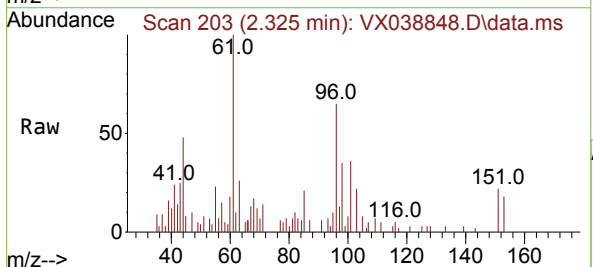
Instrument :
MSVOA_X
ClientSampleId :

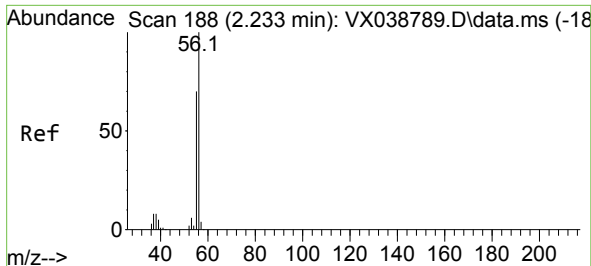
Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 101.1 6.0 9.0#



#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#

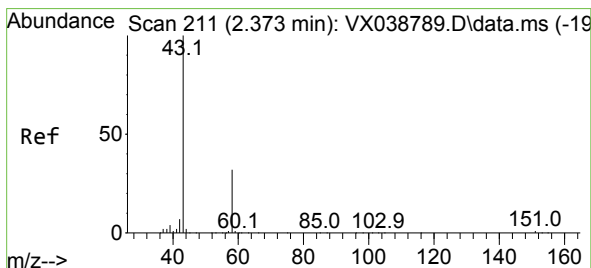
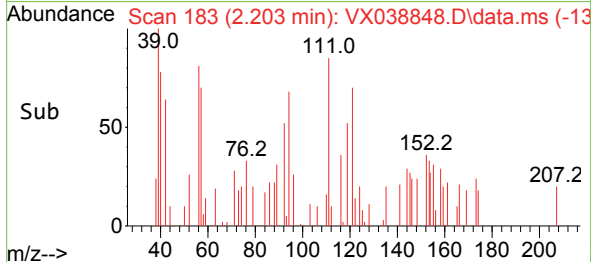
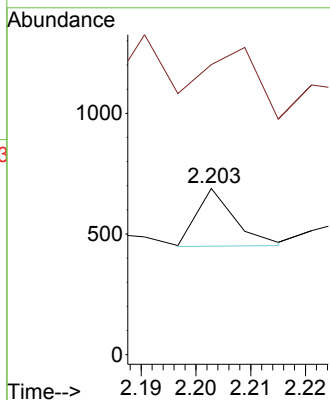
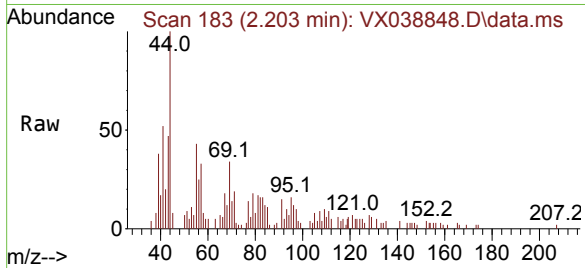




#13
Acrolein
Concen: 0.366 ug/l
RT: 2.203 min Scan# 115
Delta R.T. -0.030 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

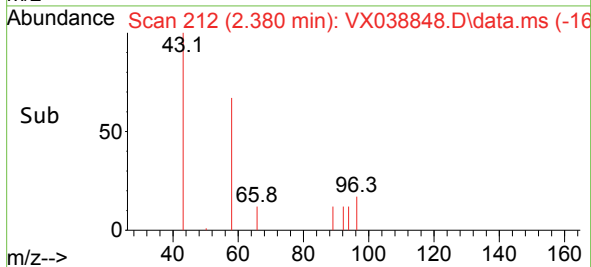
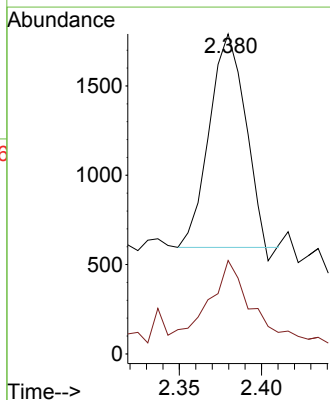
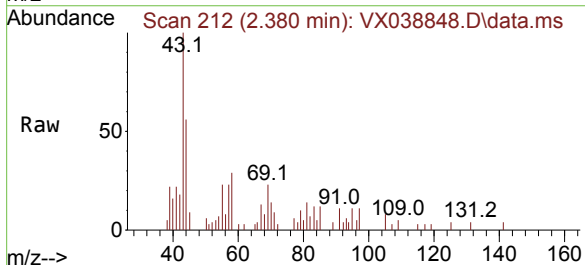
Instrument :
MSVOA_X
ClientSampleId :

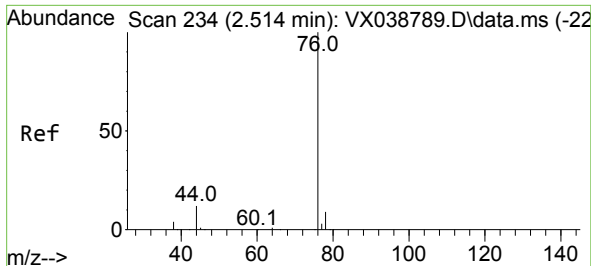
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#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

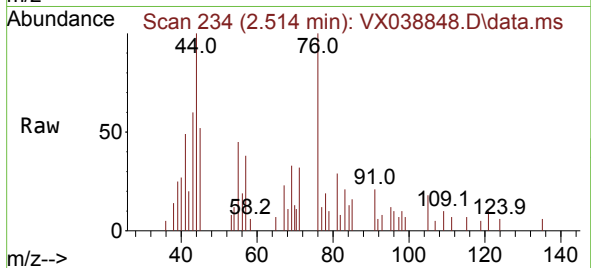
Tgt Ion: 43 Resp: 1811
Ion Ratio Lower Upper
43 100
58 33.6 21.9 32.9#



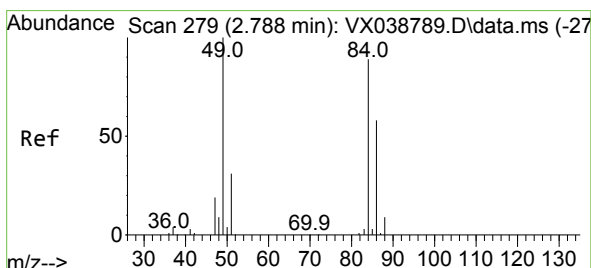
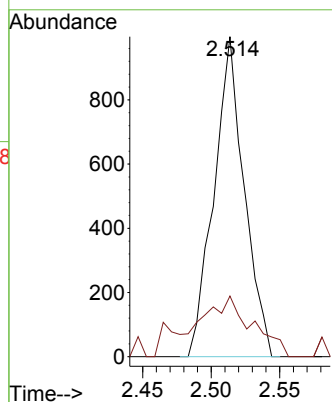
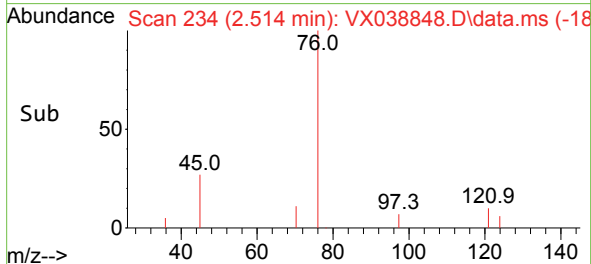


#17
Carbon Disulfide
Concen: 0.298 ug/l
RT: 2.514 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

Instrument :
MSVOA_X
ClientSampleId :

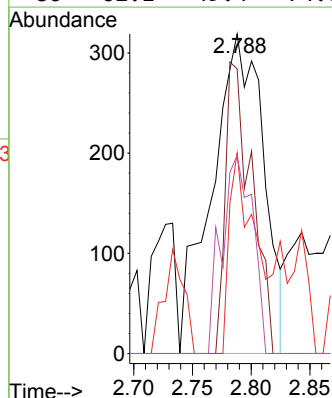
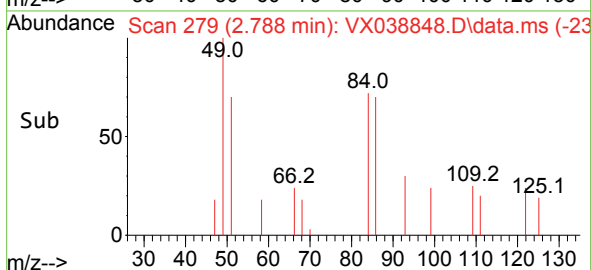
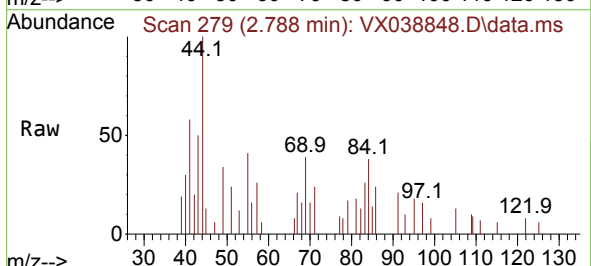


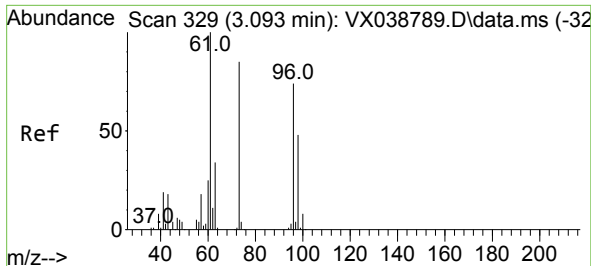
Tgt Ion: 76 Resp: 1529
Ion Ratio Lower Upper
76 100
78 13.6 7.0 10.6#



#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

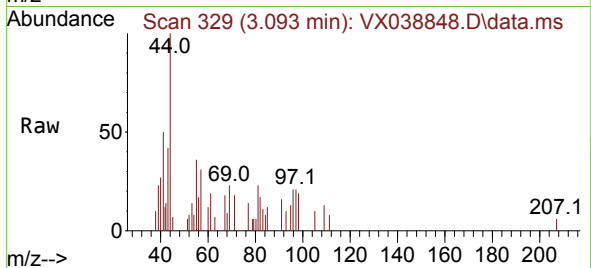
Tgt Ion: 84 Resp: 980
Ion Ratio Lower Upper
84 100
49 89.0 103.6 155.4#
51 39.5 33.8 50.6
86 62.1 49.4 74.0



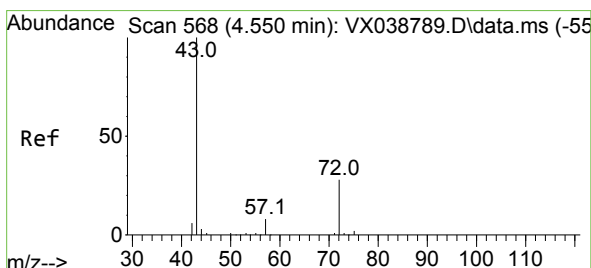
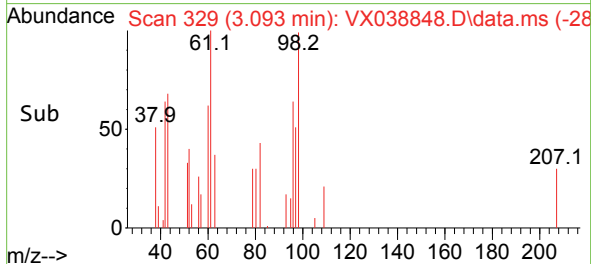
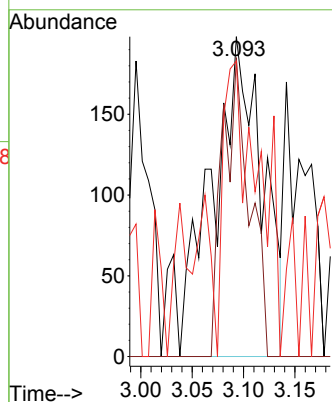


#21
trans-1,2-Dichloroethene
Concen: 0.364 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

Instrument :
MSVOA_X
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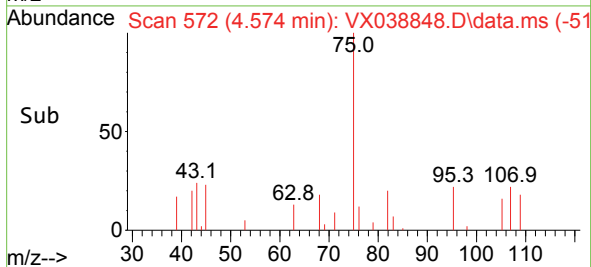
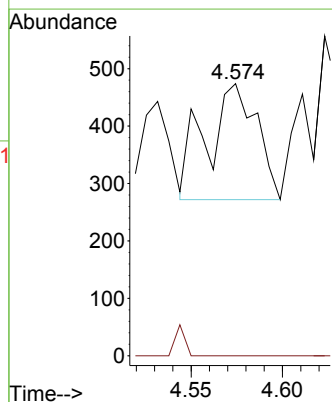
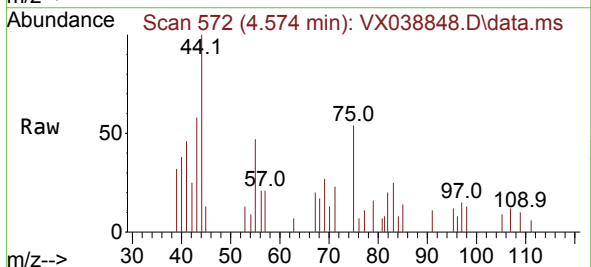


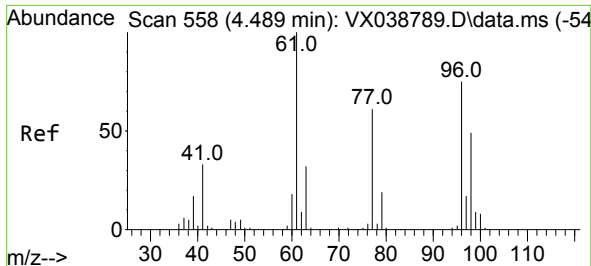
Tgt Ion: 96 Resp: 665
Ion Ratio Lower Upper
96 100
61 93.4 119.2 178.8#
98 92.4 48.7 73.1#



#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

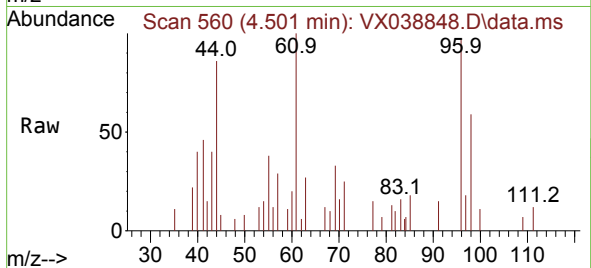
Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





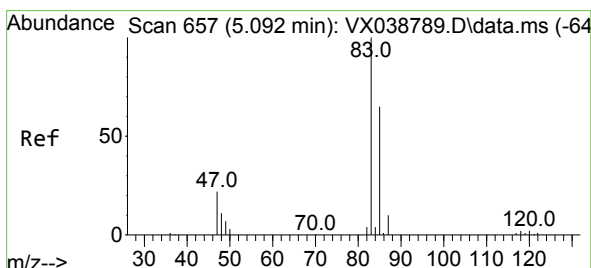
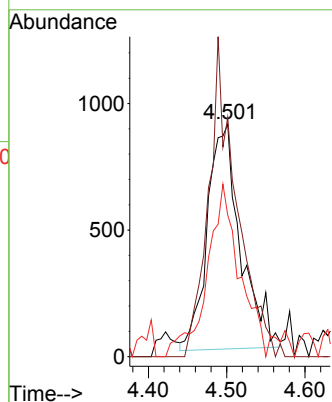
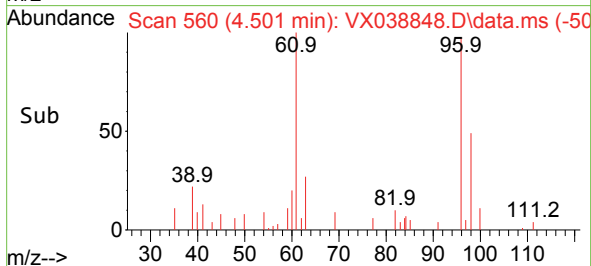
#27
 cis-1,2-Dichloroethene
 Concen: 1.236 ug/l
 RT: 4.501 min Scan# 50
 Delta R.T. 0.012 min
 Lab File: VX038848.D
 Acq: 16 Nov 2023 19:22

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 96 Resp: 2628

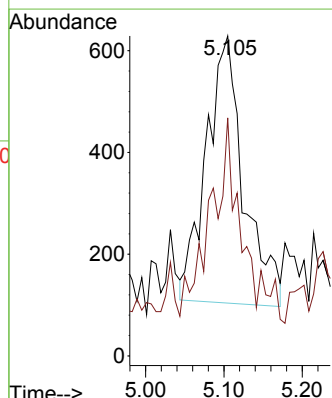
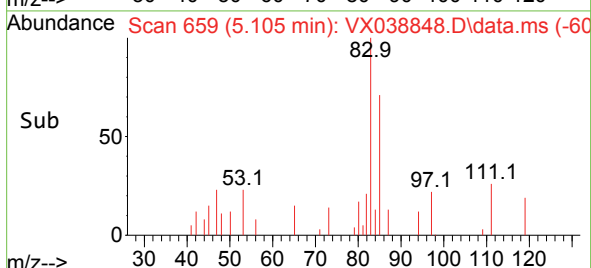
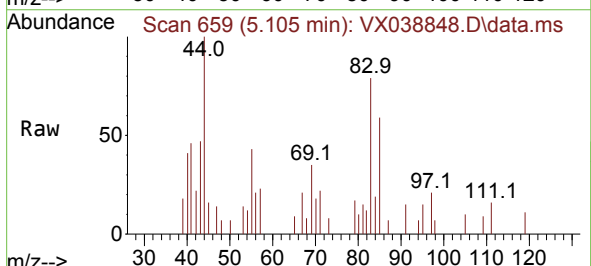
Ion	Ratio	Lower	Upper
96	100		
61	118.6	0.0	312.2
98	74.5	0.0	129.0

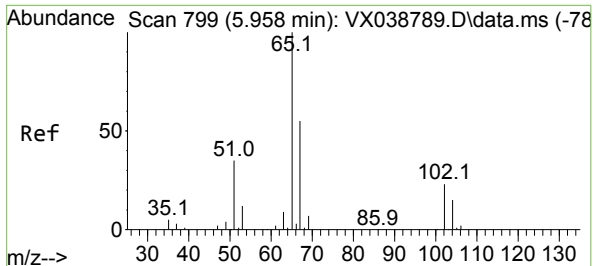


#30
 Chloroform
 Concen: 0.527 ug/l
 RT: 5.105 min Scan# 659
 Delta R.T. 0.012 min
 Lab File: VX038848.D
 Acq: 16 Nov 2023 19:22

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

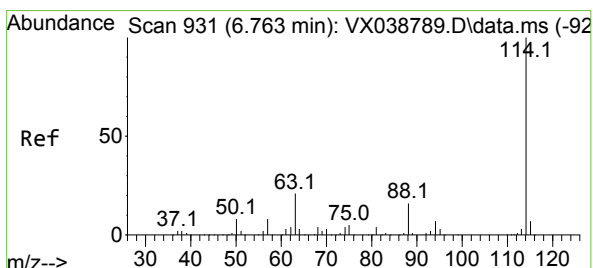
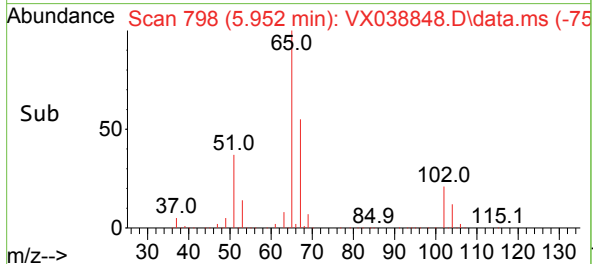
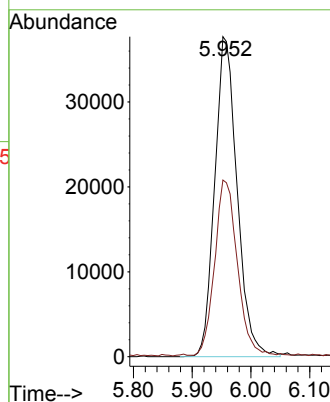
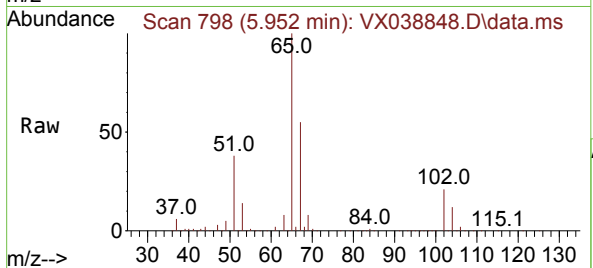
ClientSampleId :

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

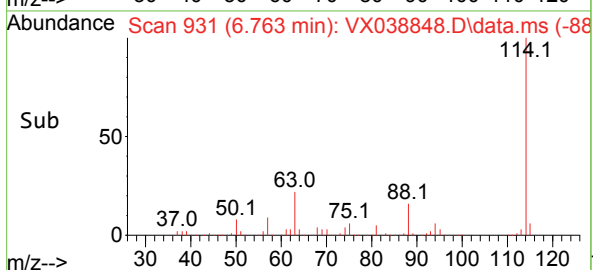
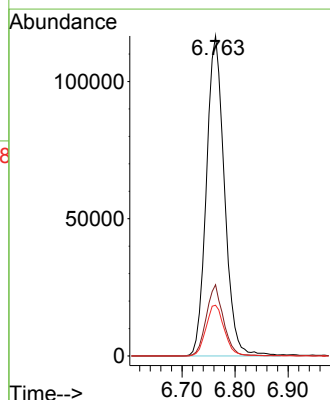
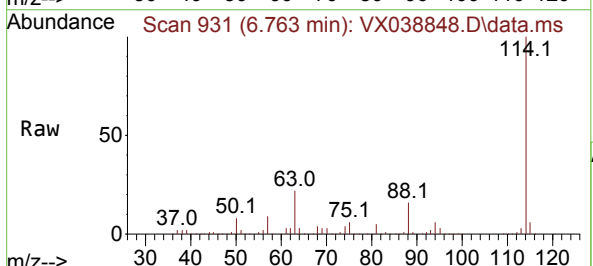
Tgt Ion:114 Resp: 275295

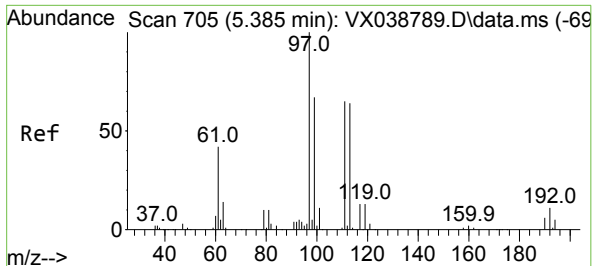
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.0

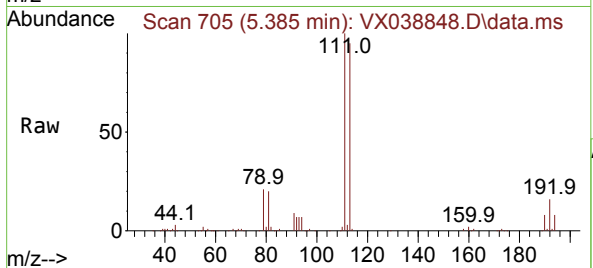
88 15.9 0.0 36.6



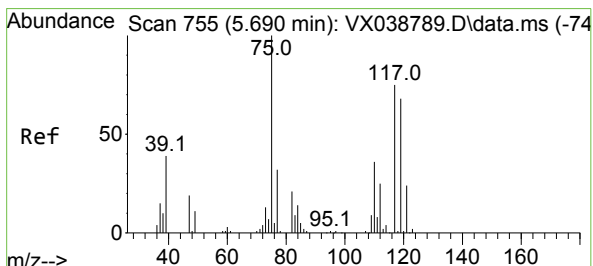
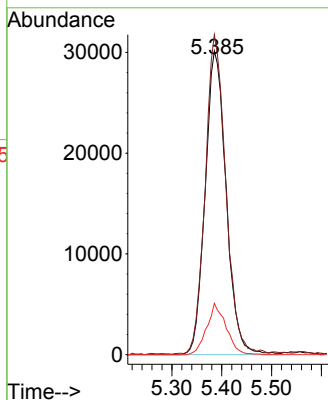
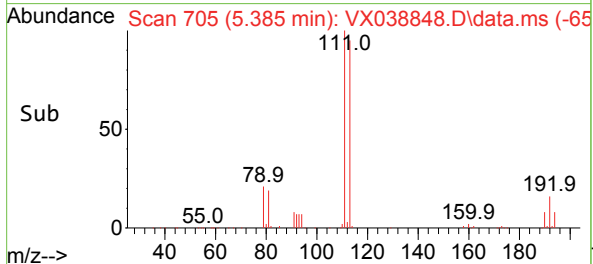


#35
Dibromofluoromethane
Concen: 44.304 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

Instrument :
MSVOA_X
ClientSampleId :

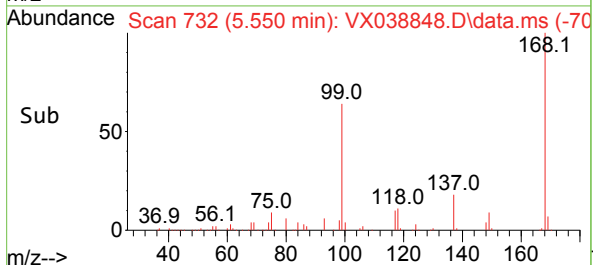
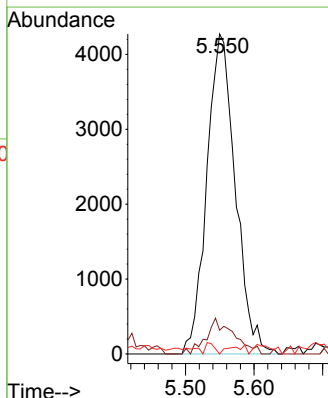
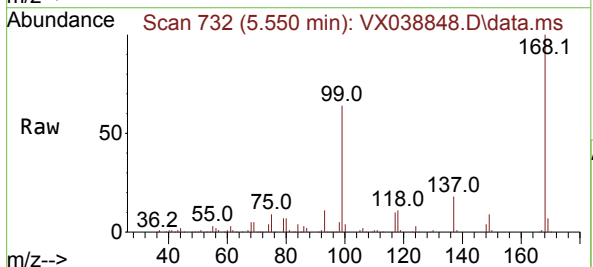


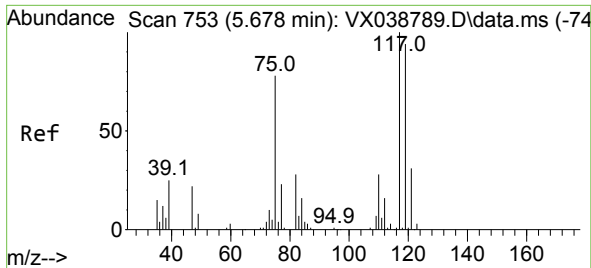
Tgt Ion:113 Resp: 88088
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 15.6 13.3 19.9



#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#

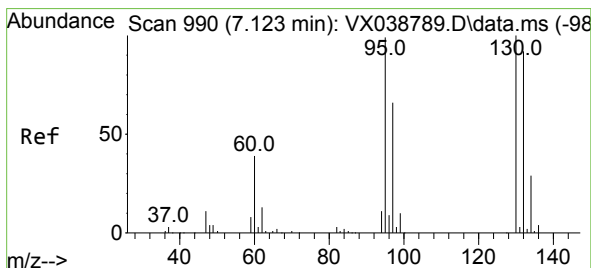
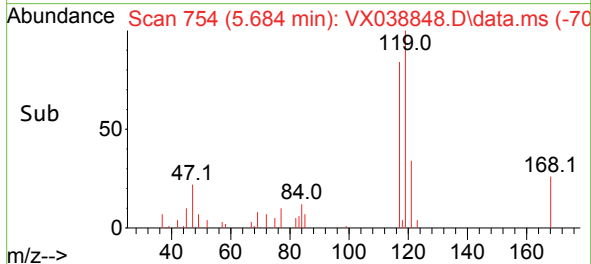
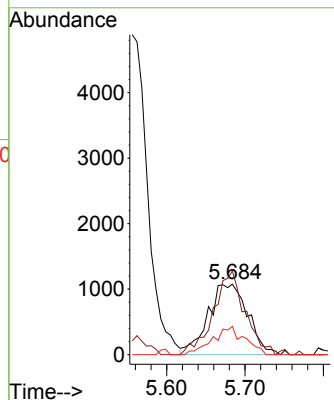
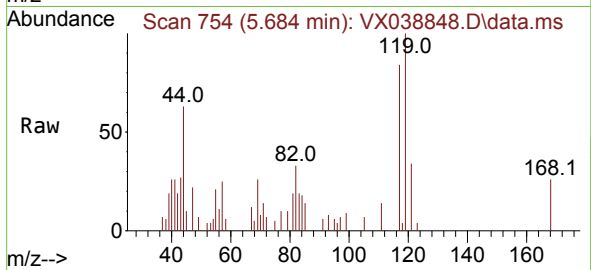




#38
Carbon Tetrachloride
Concen: 1.443 ug/l
RT: 5.684 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

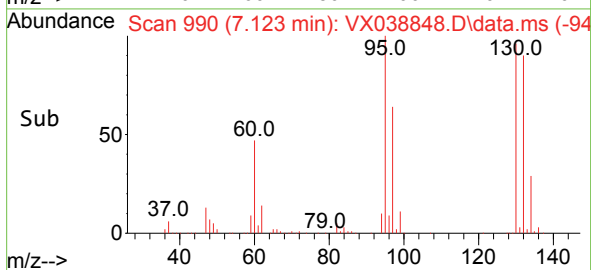
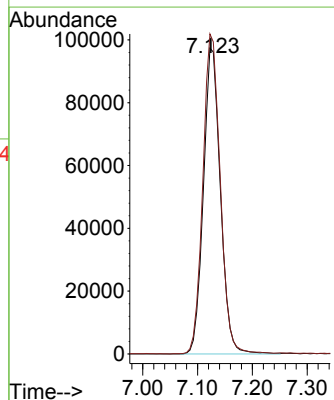
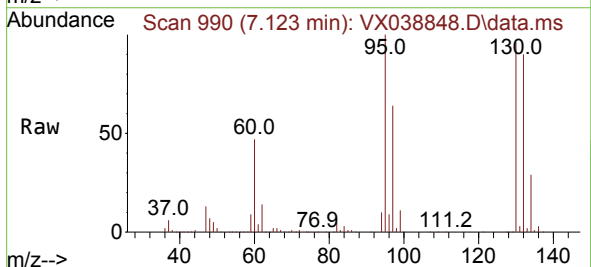
Instrument :
MSVOA_X
ClientSampleId :

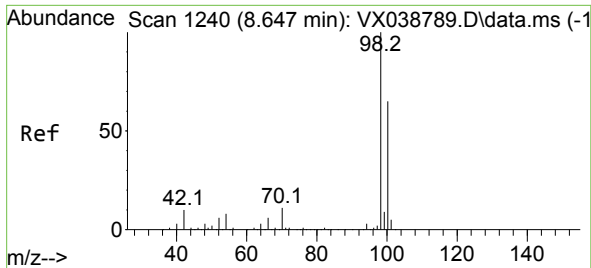
Tgt Ion:117 Resp: 3801
Ion Ratio Lower Upper
117 100
119 118.6 78.2 117.2#
121 40.1 24.4 36.6#



#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

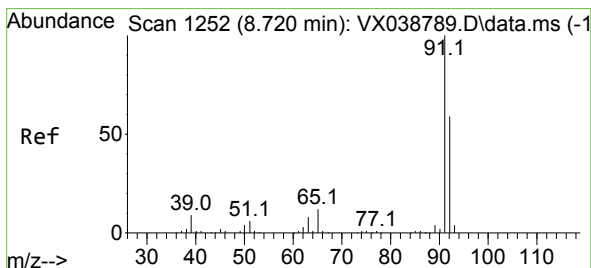
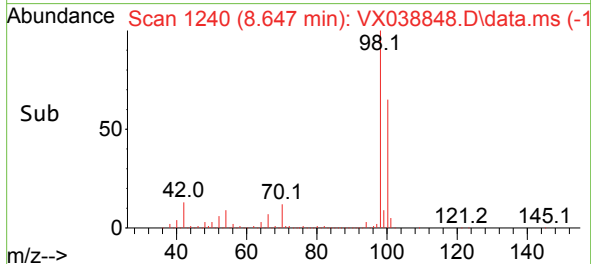
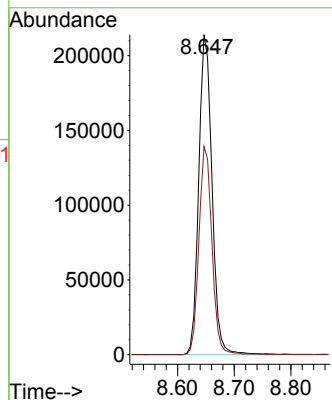
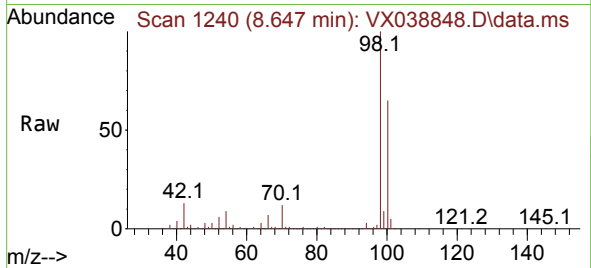




#50
Toluene-d8
Concen: 45.637 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

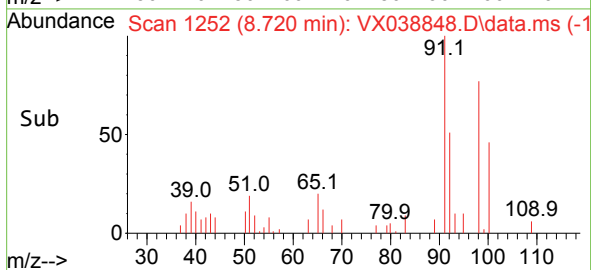
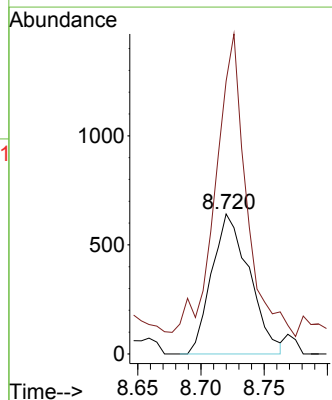
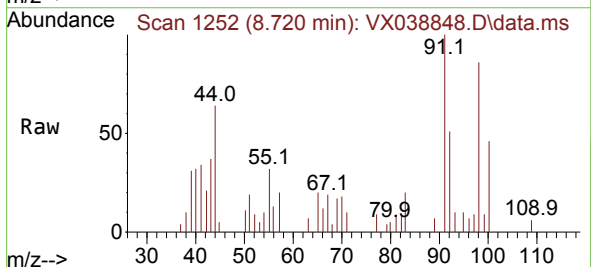
Instrument :
MSVOA_X
ClientSampleId :

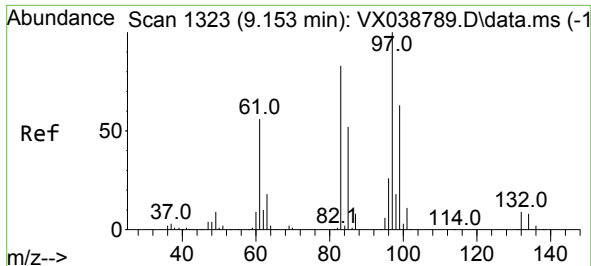
Tgt Ion: 98 Resp: 347169
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#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

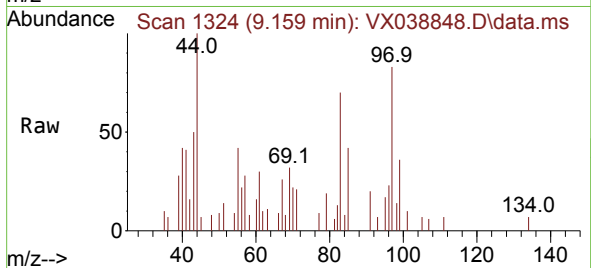
Tgt Ion: 92 Resp: 1333
Ion Ratio Lower Upper
92 100
91 176.0 134.2 201.2



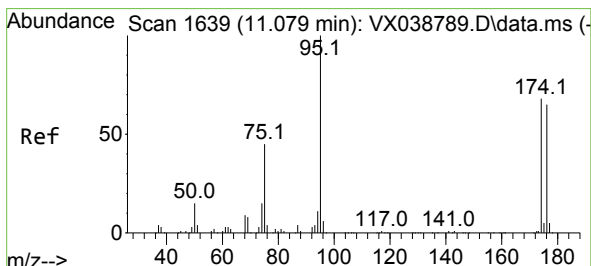
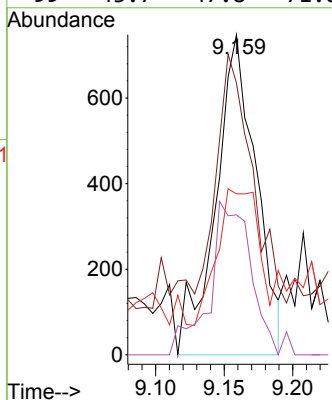
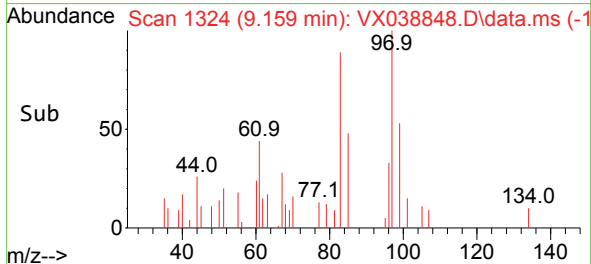


#55
 1,1,2-Trichloroethane
 Concen: 0.702 ug/l
 RT: 9.159 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038848.D
 Acq: 16 Nov 2023 19:22

Instrument :
 MSVOA_X
 ClientSampleId :

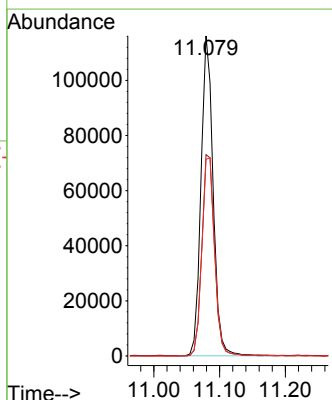
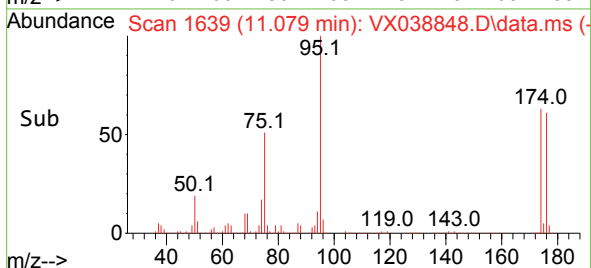
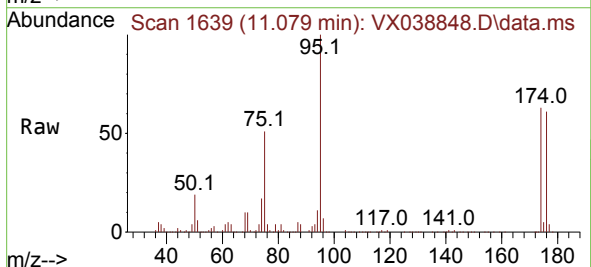


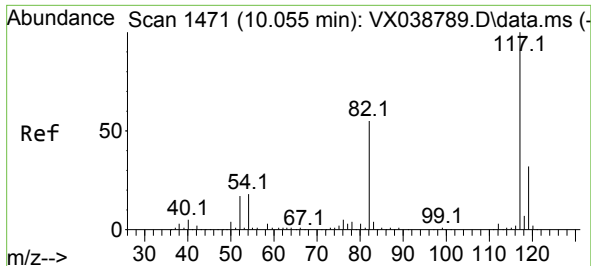
Tgt Ion: 97	Resp: 1532
Ion Ratio	Lower Upper
97 100	
83 63.4	65.8 98.8#
85 31.7	41.6 62.4#
99 43.7	47.8 71.8#



#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

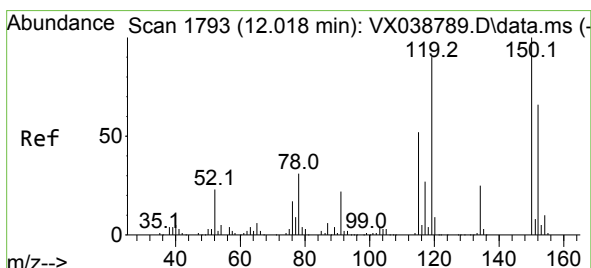
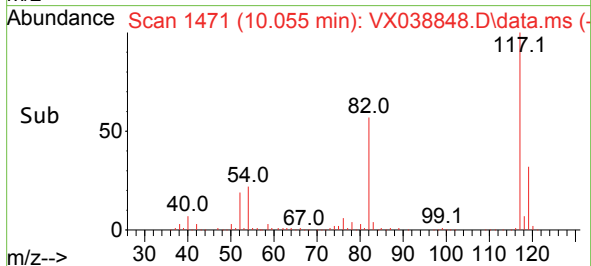
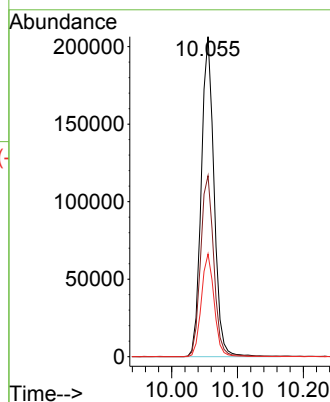
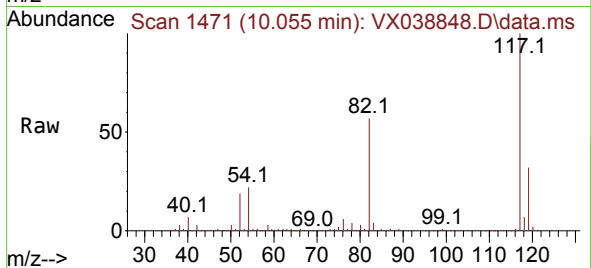




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038848.D
Acq: 16 Nov 2023 19:22

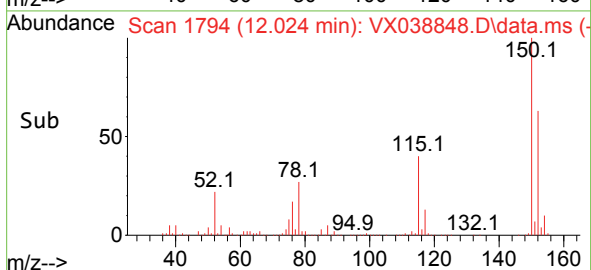
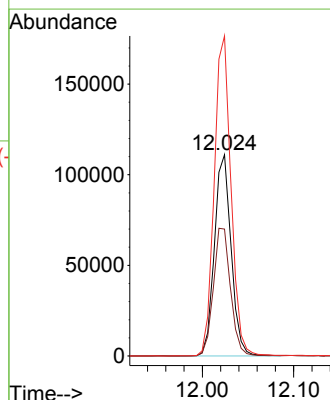
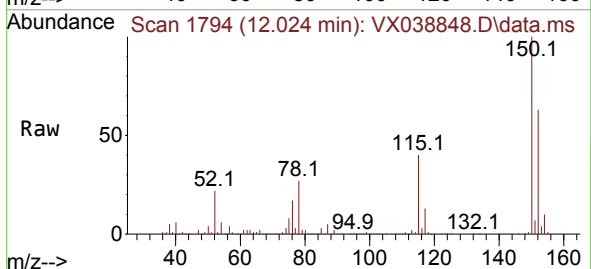
Instrument :
MSVOA_X
ClientSampleId :

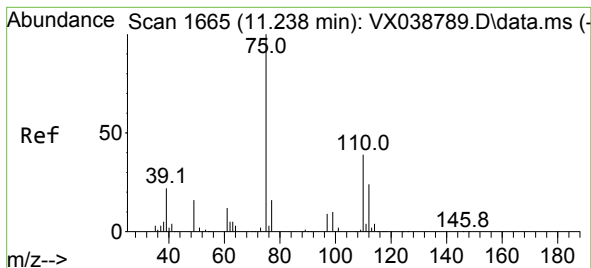
Tgt Ion:117 Resp: 278862
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 32.1 25.5 38.3



#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

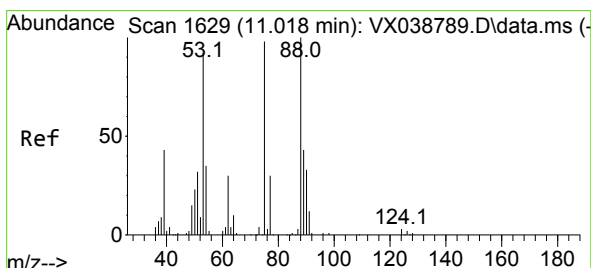
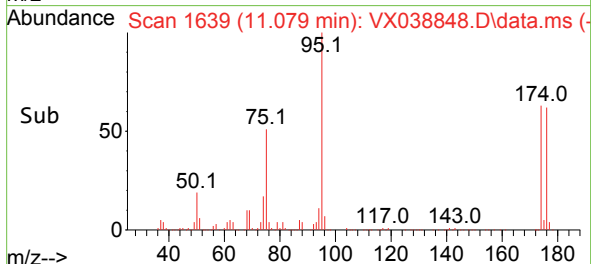
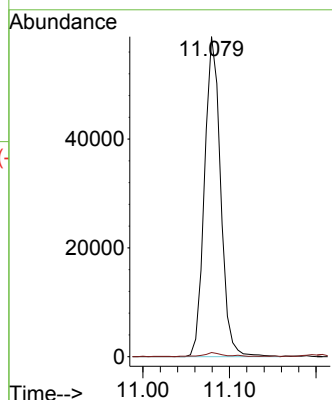
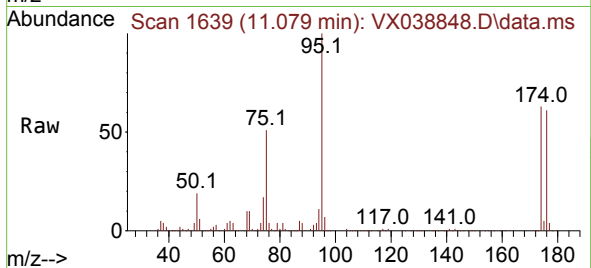
ClientSampleId :

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

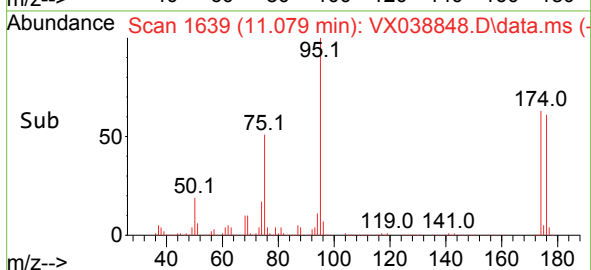
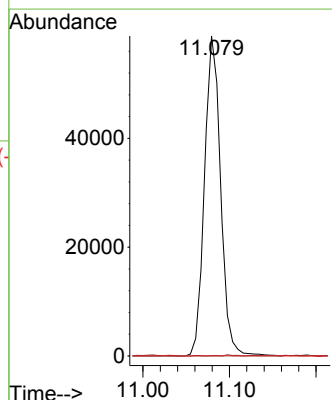
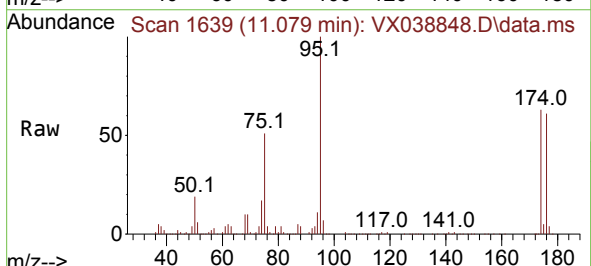
Tgt Ion: 75 Resp: 76056

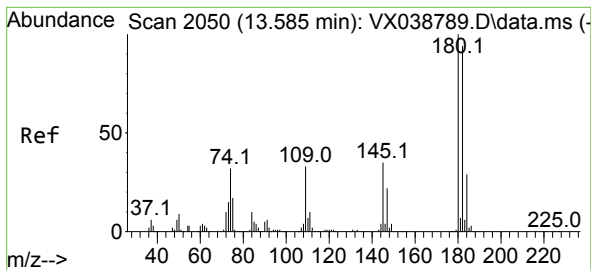
Ion Ratio Lower Upper

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

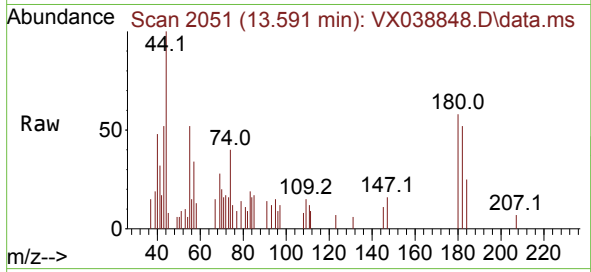
Lab File: VX038848.D

Acq: 16 Nov 2023 19:22

Instrument :

MSVOA_X

ClientSampleId :



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

