

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038910.D
 Acq On : 18 Nov 2023 05:30
 Operator : JC/MD
 Sample : 05404-26
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 20 00:33:20 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)

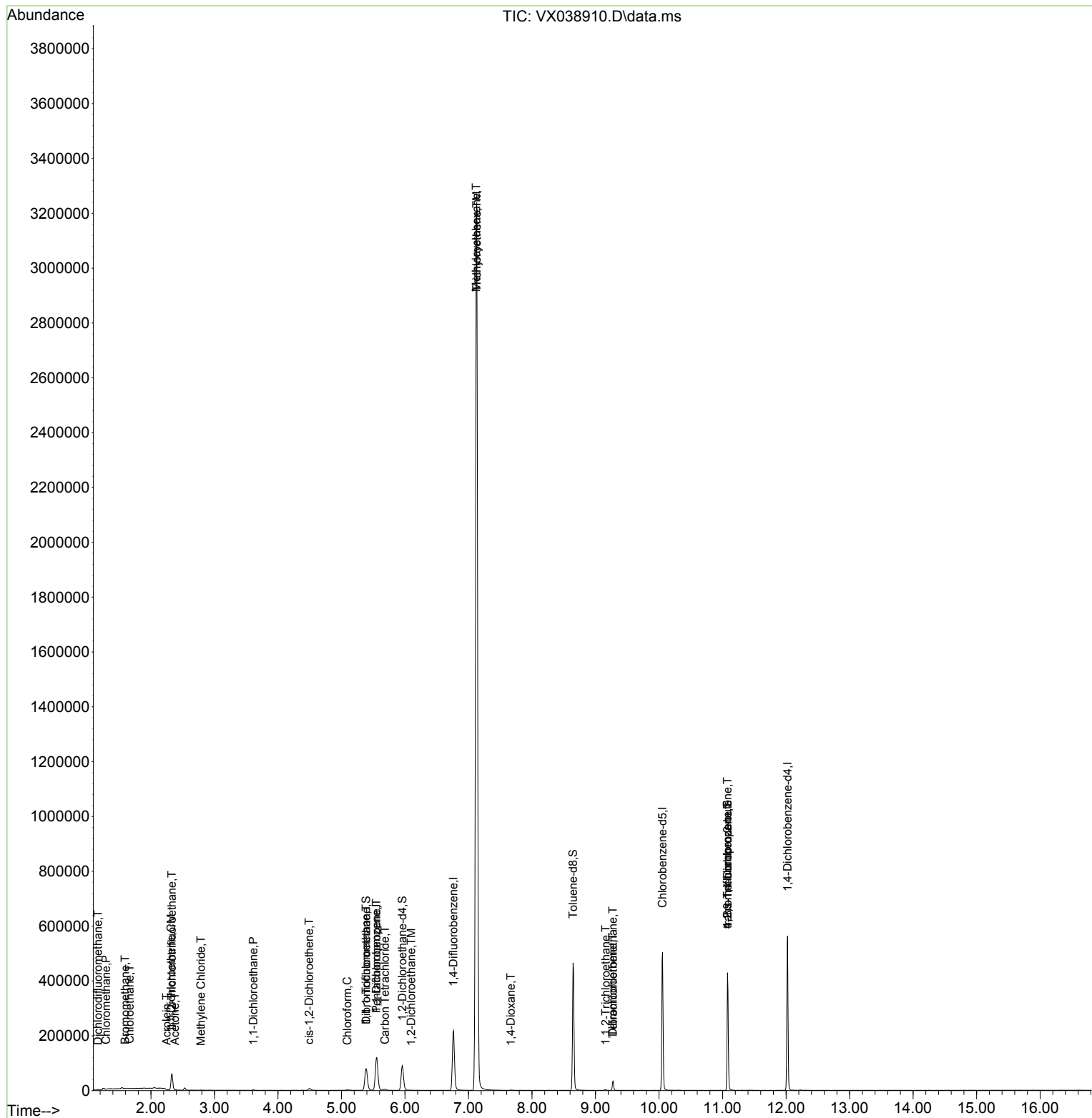
Internal Standards						
1) Pentafluorobenzene	5.550	168	109037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219855	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85362	48.585	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.160%
35) Dibromofluoromethane	5.385	113	71880	45.269	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.540%
50) Toluene-d8	8.647	98	277745	45.718	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.440%#
62) 4-Bromofluorobenzene	11.079	95	120116	49.391	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	539	0.424	ug/l	94
3) Chloromethane	1.294	50	479	0.288	ug/l	100
5) Bromomethane	1.593	94	191	0.289	ug/l #	3
6) Chloroethane	1.666	64	211	0.231	ug/l #	71
9) 1,1,2-Trichlorotrifluo...	2.331	101	19090	14.182	ug/l	96
12) 1,1-Dichloroethene	2.319	96	5771	4.246	ug/l #	86
13) Acrolein	2.245	56	78	0.302	ug/l #	1
16) Acetone	2.380	43	1501	1.605	ug/l #	88
20) Methylene Chloride	2.788	84	515	0.305	ug/l #	83
24) 1,1-Dichloroethane	3.611	63	1894	0.679	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	4551	2.604	ug/l	78
30) Chloroform	5.093	83	2392	0.878	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	535	0.227	ug/l #	39
36) 1,1-Dichloropropene	5.550	75	9679	4.253	ug/l #	51
38) Carbon Tetrachloride	5.684	117	3155	1.500	ug/l #	77
39) Methylcyclohexane	7.123	83	15989	5.386	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	450	0.202	ug/l #	77
44) Trichloroethene	7.129	130	1209322	738.121	ug/l	94
49) 1,4-Dioxane	7.665	88	1017	22.865	ug/l #	99
55) 1,1,2-Trichloroethane	9.159	97	931	0.534	ug/l #	75
60) Dibromochloromethane	9.275	129	6046	3.412	ug/l #	11
64) Tetrachloroethene	9.275	164	5880	4.150	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	62427	22.145	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	62427	49.120	ug/l #	5

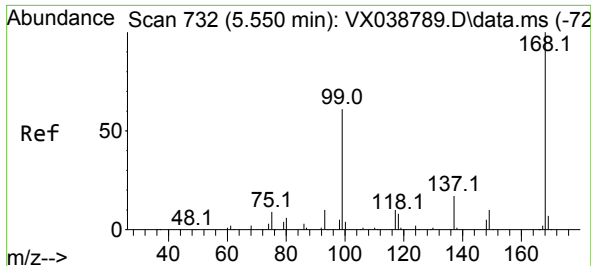
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
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Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration



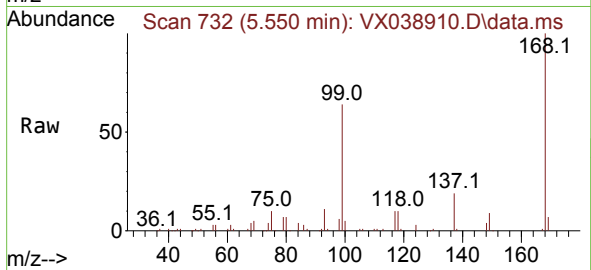


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

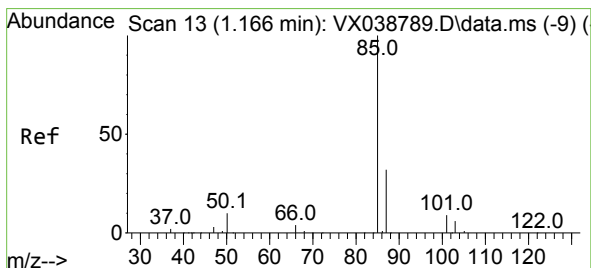
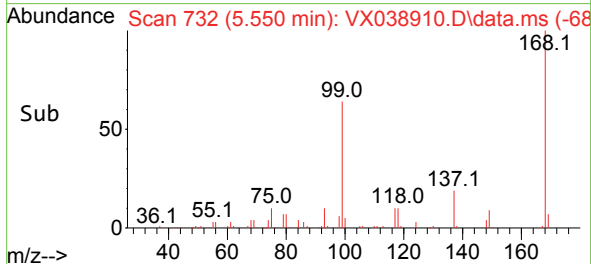
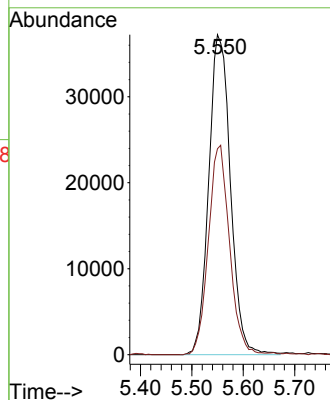
Instrument :

MSVOA_X

ClientSampleId :

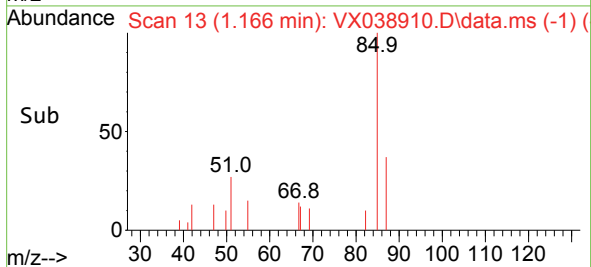
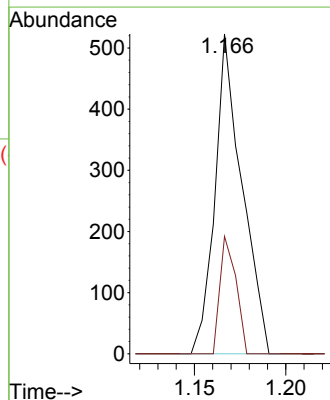
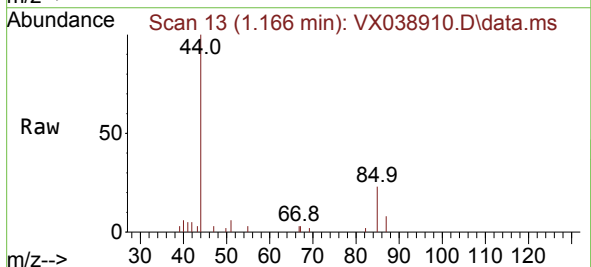


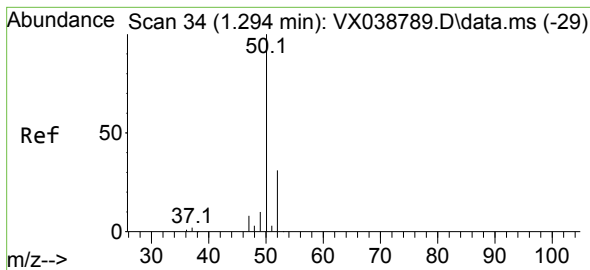
Tgt Ion:168 Resp: 109037
Ion Ratio Lower Upper
168 100
99 64.4 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.424 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

Tgt Ion: 85 Resp: 539
Ion Ratio Lower Upper
85 100
87 36.7 16.7 50.1





#3

Chloromethane

Concen: 0.288 ug/l

RT: 1.294 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX038910.D

Acq: 18 Nov 2023 05:30

Instrument :

MSVOA_X

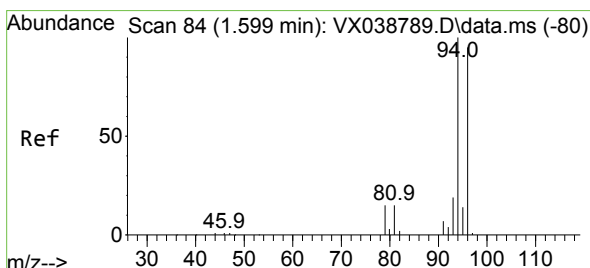
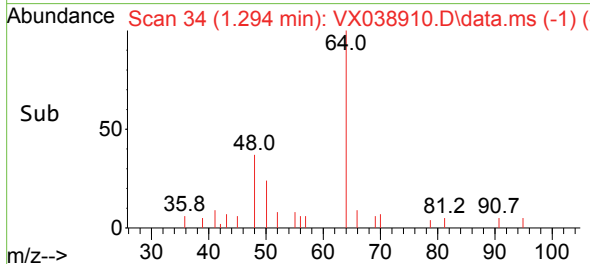
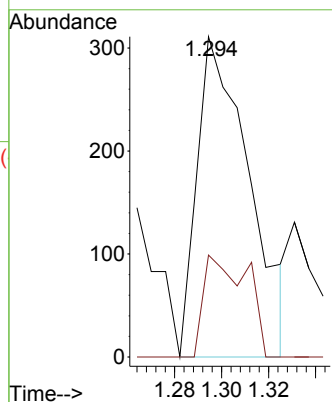
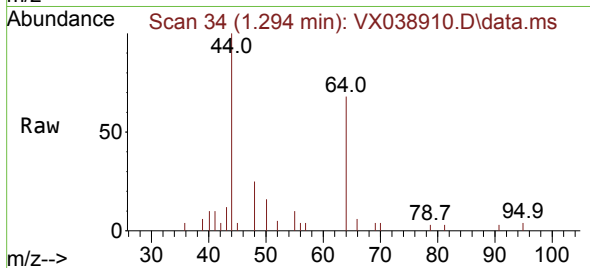
ClientSampleId :

Tgt Ion: 50 Resp: 479

Ion Ratio Lower Upper

50 100

52 31.8 25.5 38.3



#5

Bromomethane

Concen: 0.289 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.006 min

Lab File: VX038910.D

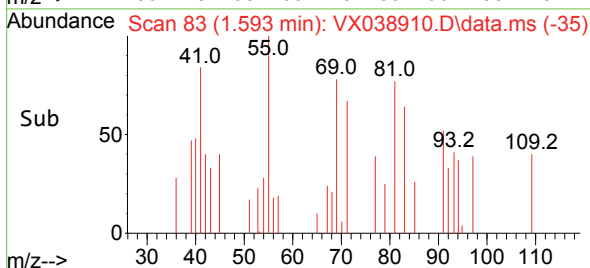
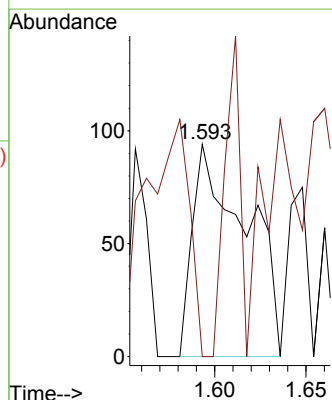
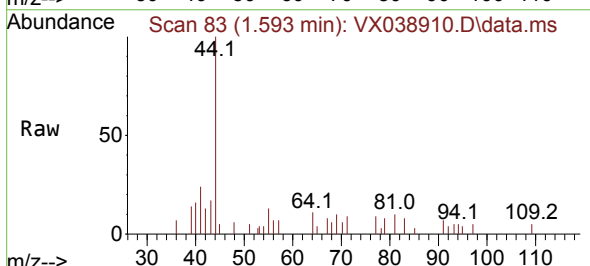
Acq: 18 Nov 2023 05:30

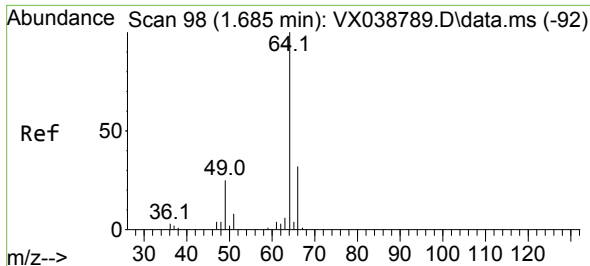
Tgt Ion: 94 Resp: 191

Ion Ratio Lower Upper

94 100

96 0.0 74.6 111.8#

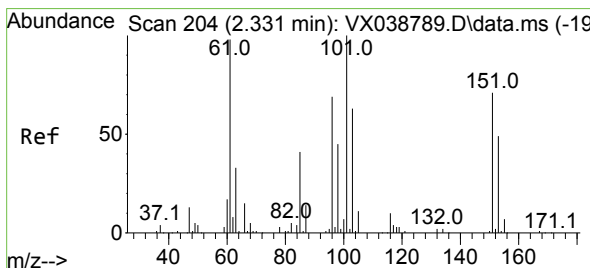
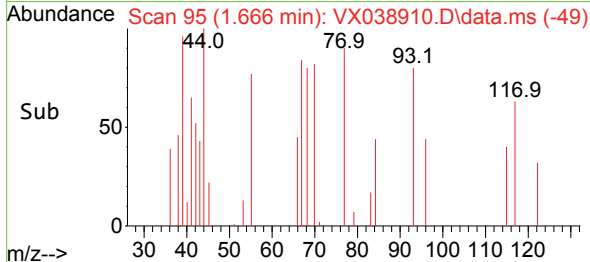
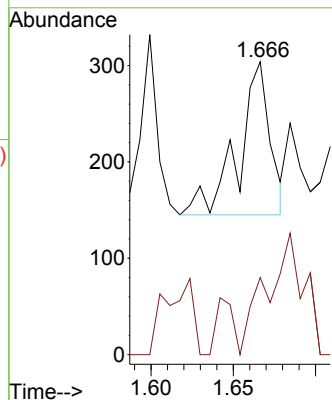
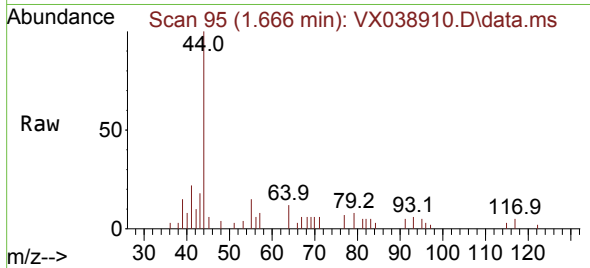




#6
Chloroethane
Concen: 0.231 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

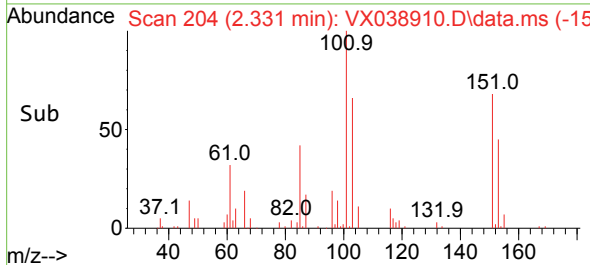
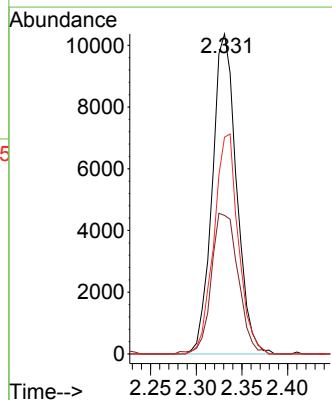
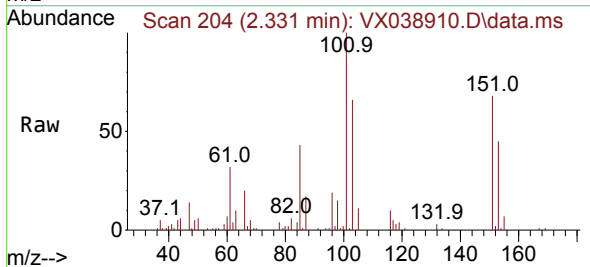
Instrument :
MSVOA_X
ClientSampleId :

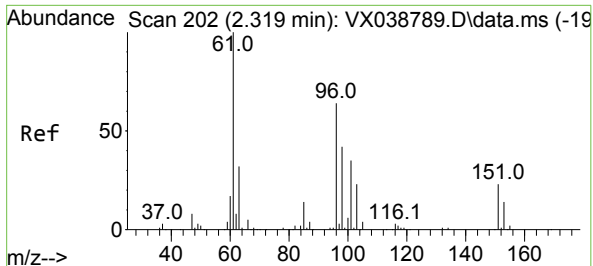
Tgt Ion: 64 Resp: 211
Ion Ratio Lower Upper
64 100
66 15.1 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.182 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

Tgt Ion:101 Resp: 19090
Ion Ratio Lower Upper
101 100
85 48.7 37.0 55.6
151 69.5 58.6 87.8





#12

1,1-Dichloroethene

Concen: 4.246 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX038910.D

Acq: 18 Nov 2023 05:30

Instrument :

MSVOA_X

ClientSampleId :

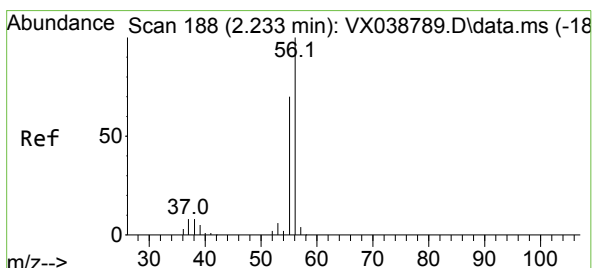
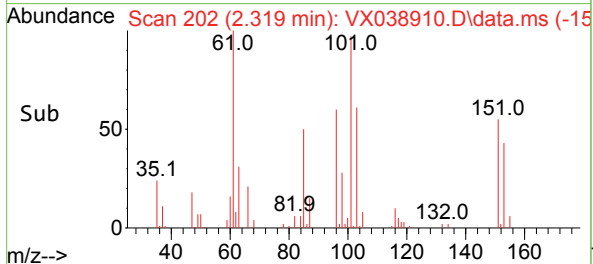
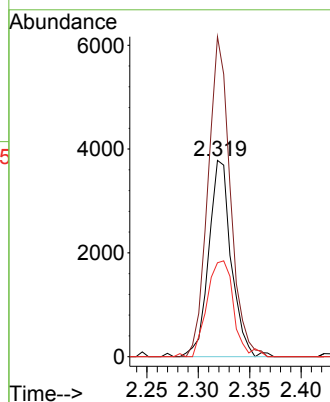
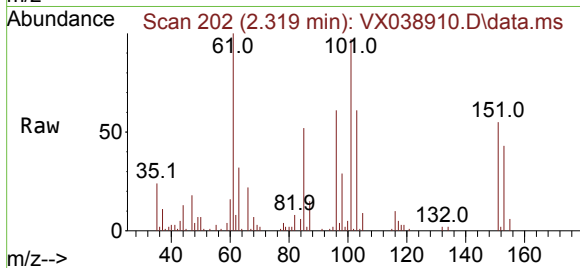
Tgt Ion: 96 Resp: 5771

Ion Ratio Lower Upper

96 100

61 163.0 144.6 216.8

98 47.8 50.4 75.6#



#13

Acrolein

Concen: 0.302 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX038910.D

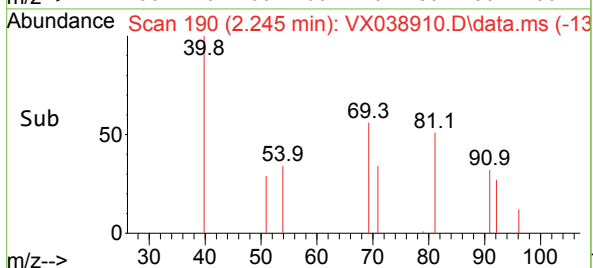
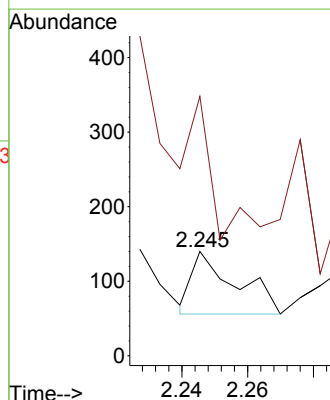
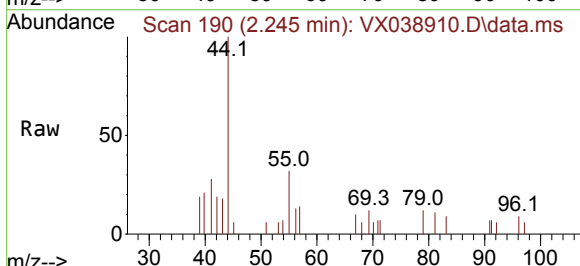
Acq: 18 Nov 2023 05:30

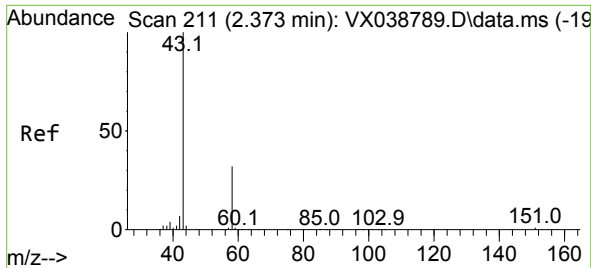
Tgt Ion: 56 Resp: 78

Ion Ratio Lower Upper

56 100

55 410.3 57.1 85.7#

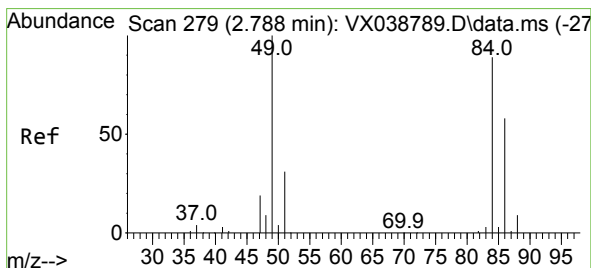
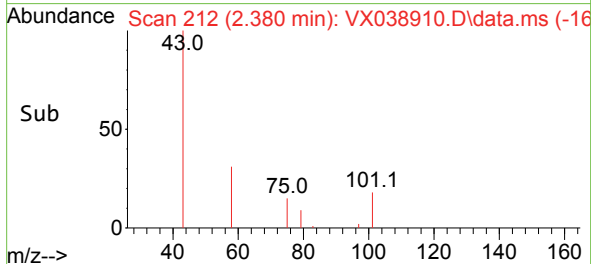
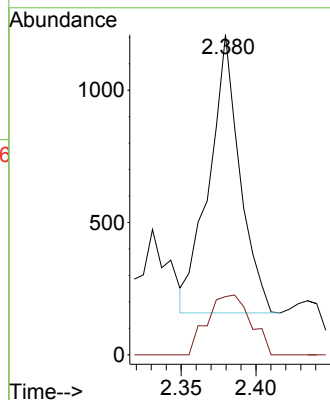
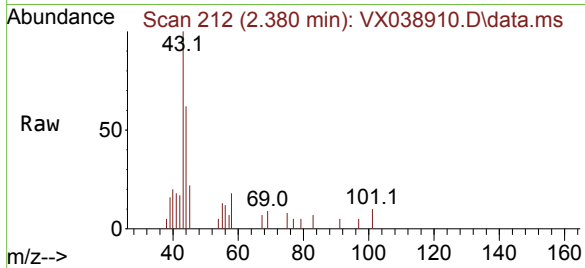




#16
Acetone
Concen: 1.605 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

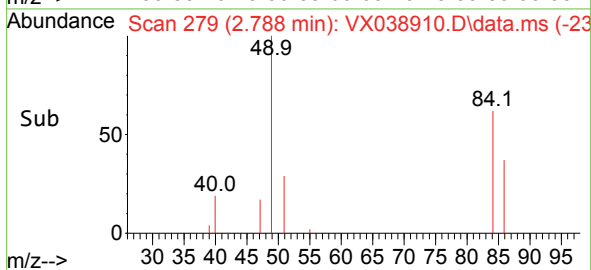
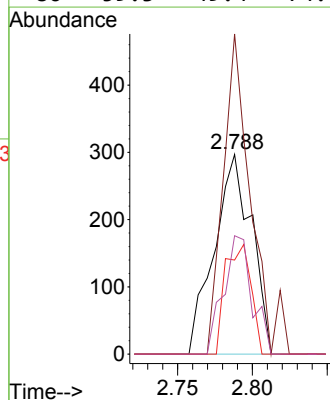
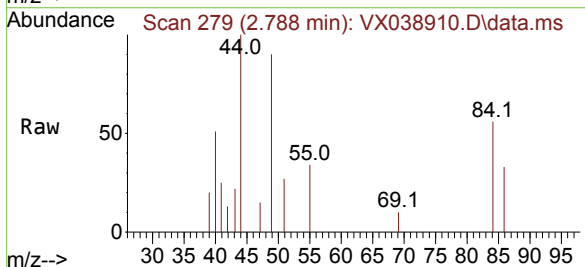
Instrument :
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ClientSampleId :

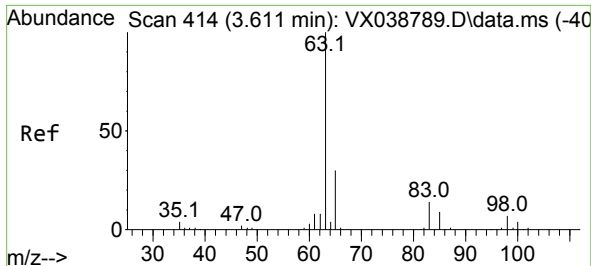
Tgt Ion: 43 Resp: 1501
Ion Ratio Lower Upper
43 100
58 20.9 21.9 32.9#



#20
Methylene Chloride
Concen: 0.305 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

Tgt Ion: 84 Resp: 515
Ion Ratio Lower Upper
84 100
49 160.3 103.6 155.4#
51 47.1 33.8 50.6
86 59.3 49.4 74.0

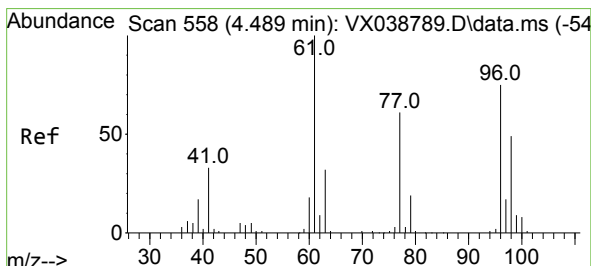
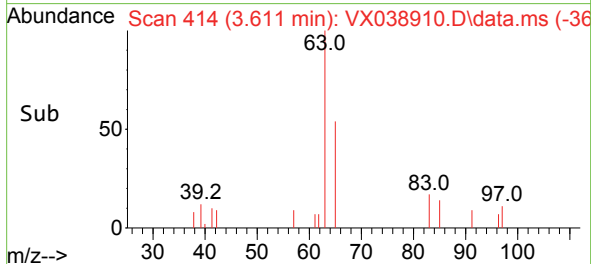
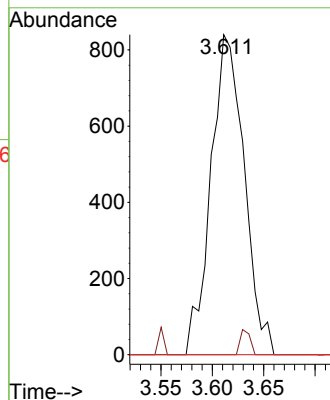
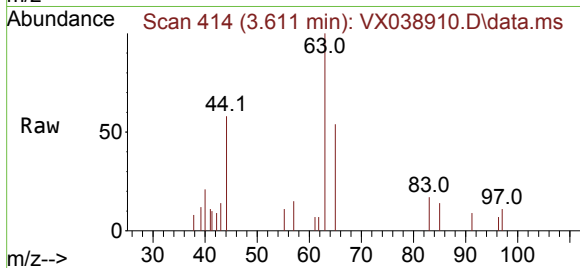




#24
1,1-Dichloroethane
Concen: 0.679 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

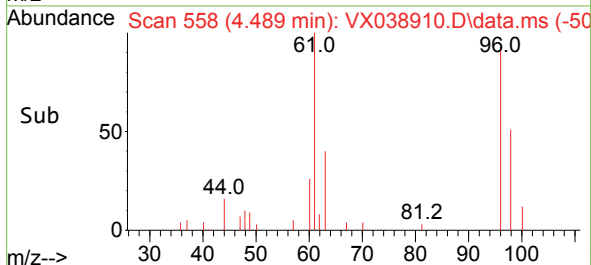
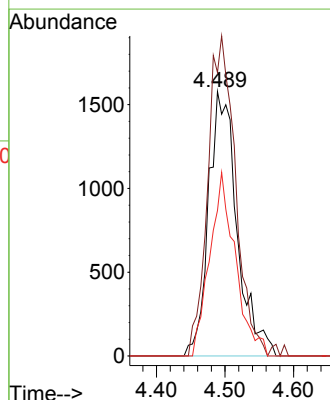
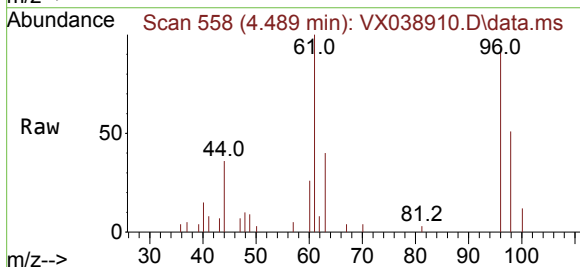
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MSVOA_X
ClientSampleId :

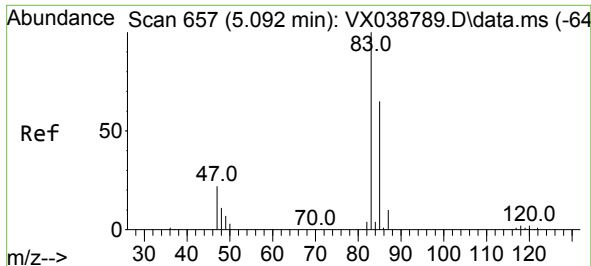
Tgt Ion: 63 Resp: 1894
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 2.604 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

Tgt Ion: 96 Resp: 4551
Ion Ratio Lower Upper
96 100
61 117.8 0.0 312.2
98 62.7 0.0 129.0





#30

Chloroform

Concen: 0.878 ug/l

RT: 5.093 min Scan# 6

Delta R.T. 0.000 min

Lab File: VX038910.D

Acq: 18 Nov 2023 05:30

Instrument :

MSVOA_X

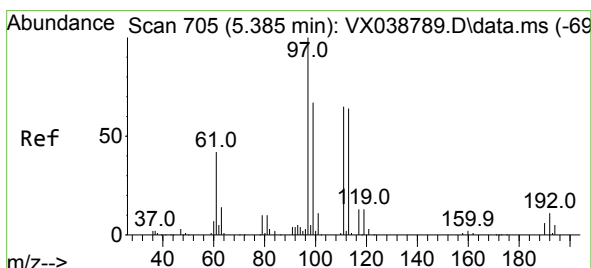
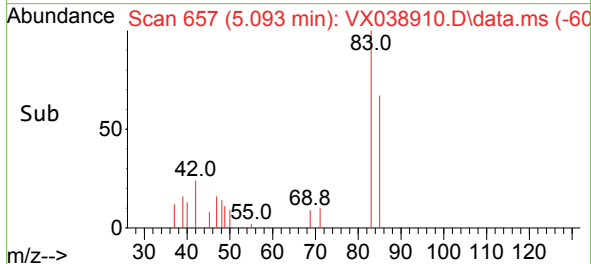
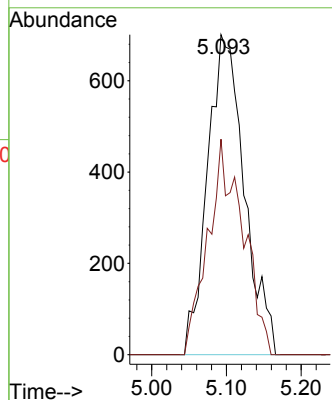
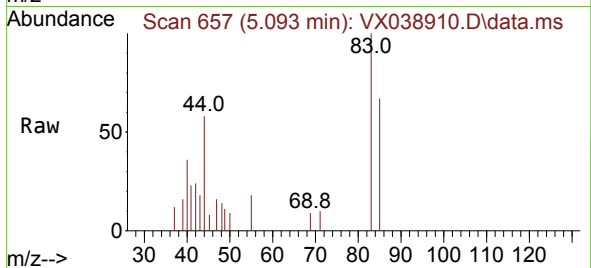
ClientSampleId :

Tgt Ion: 83 Resp: 2392

Ion Ratio Lower Upper

83 100

85 67.3 50.3 75.5



#32

1,1,1-Trichloroethane

Concen: 0.227 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX038910.D

Acq: 18 Nov 2023 05:30

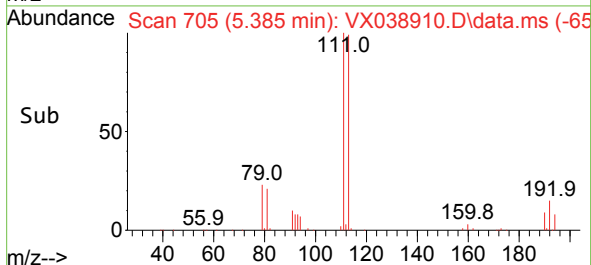
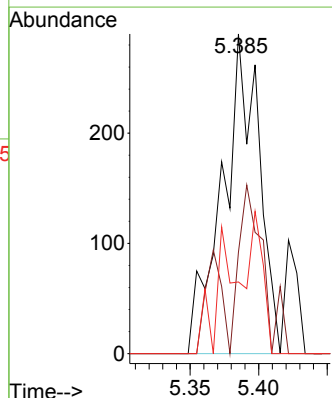
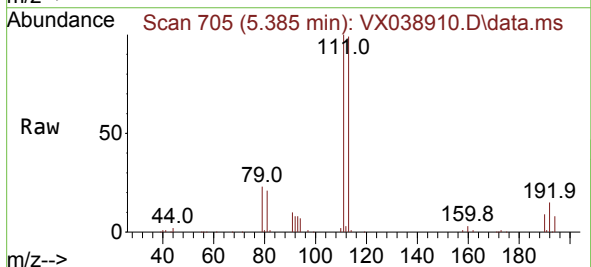
Tgt Ion: 97 Resp: 535

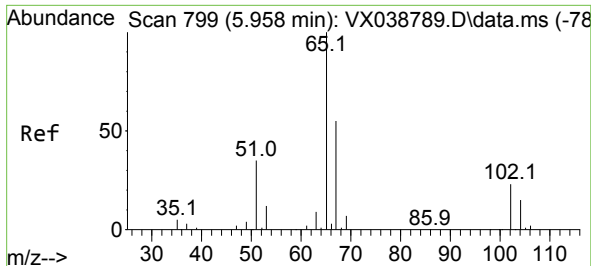
Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7#

61 24.7 36.4 54.6#





#33

1,2-Dichloroethane-d4

Concen: 48.585 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038910.D

Acq: 18 Nov 2023 05:30

Instrument :

MSVOA_X

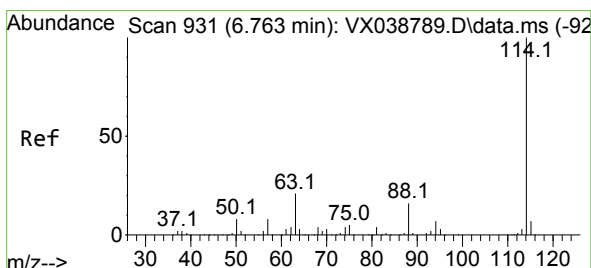
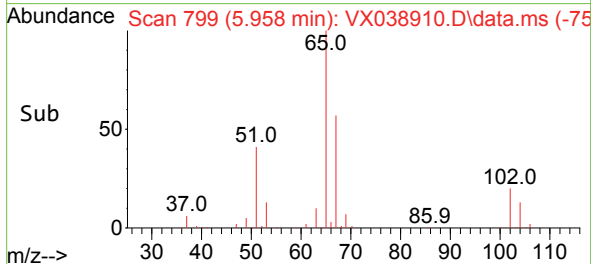
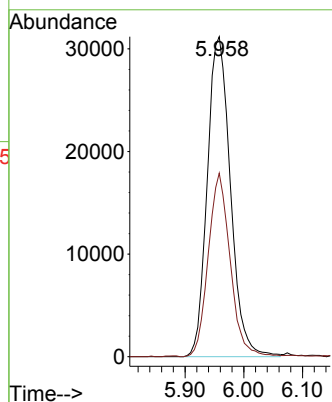
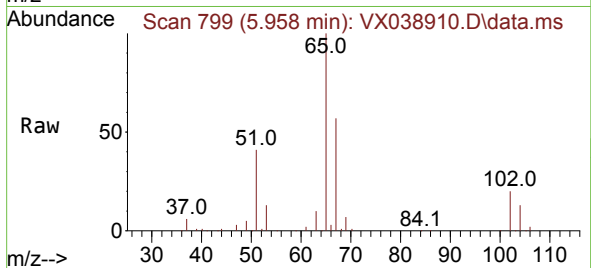
ClientSampleId :

Tgt Ion: 65 Resp: 85362

Ion Ratio Lower Upper

65 100

67 54.3 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: VX038910.D

Acq: 18 Nov 2023 05:30

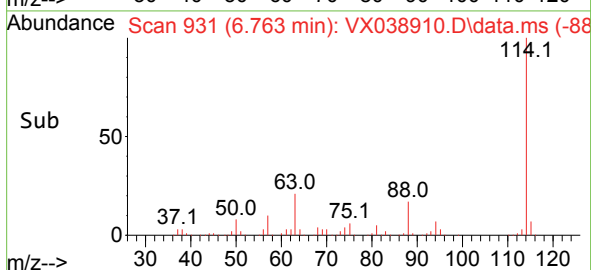
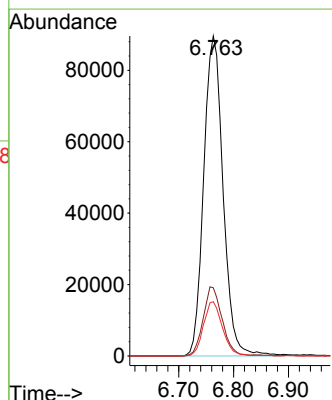
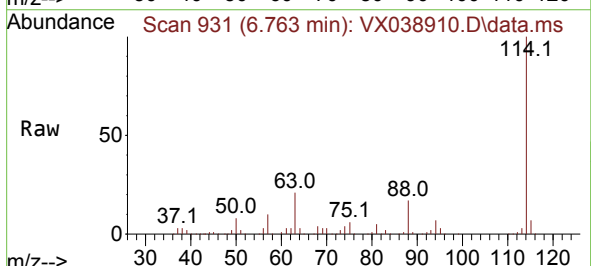
Tgt Ion:114 Resp: 219855

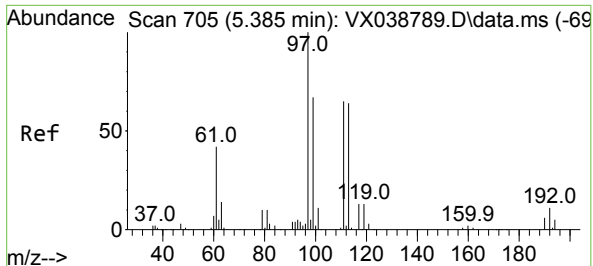
Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.0

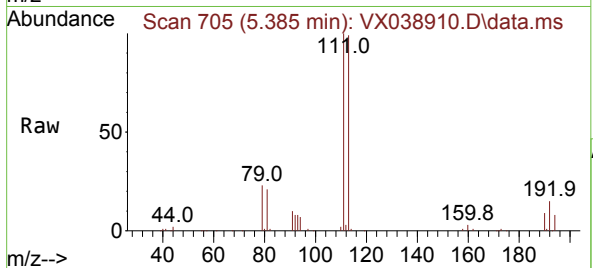
88 16.9 0.0 36.6



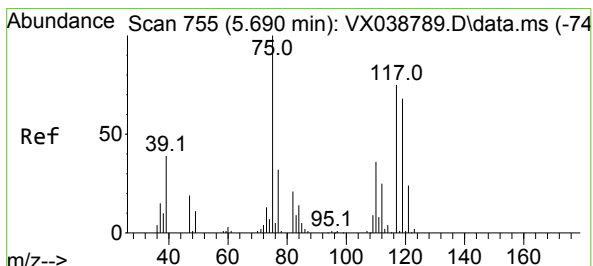
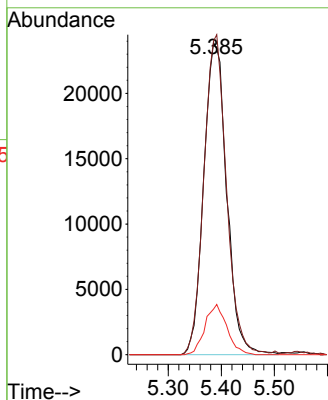
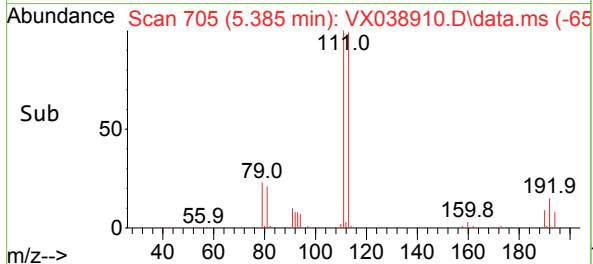


#35
 Dibromofluoromethane
 Concen: 45.269 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX038910.D
 Acq: 18 Nov 2023 05:30

Instrument :
 MSVOA_X
 ClientSampleId :

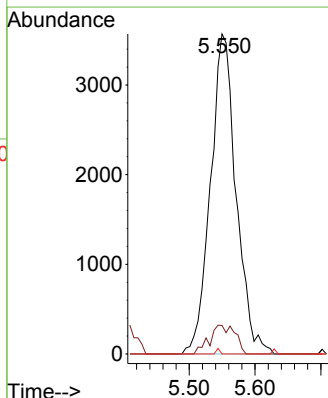
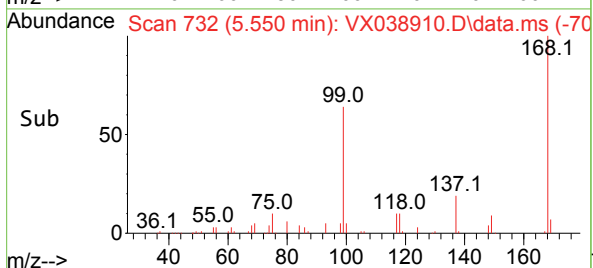
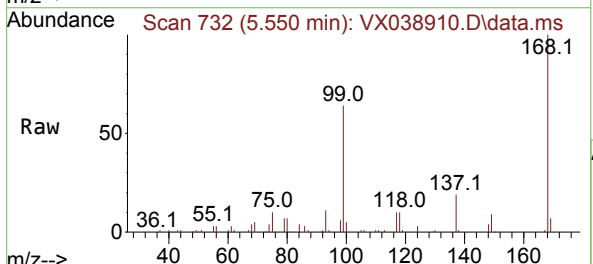


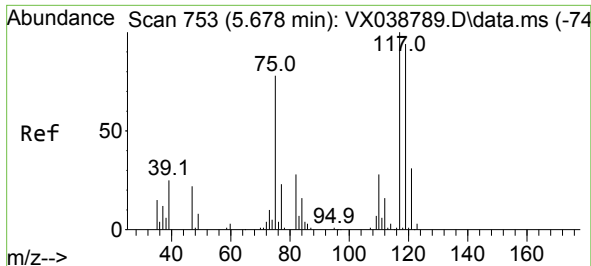
Tgt Ion:113 Resp: 71880
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.9 124.3
 192 15.3 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.253 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.140 min
 Lab File: VX038910.D
 Acq: 18 Nov 2023 05:30

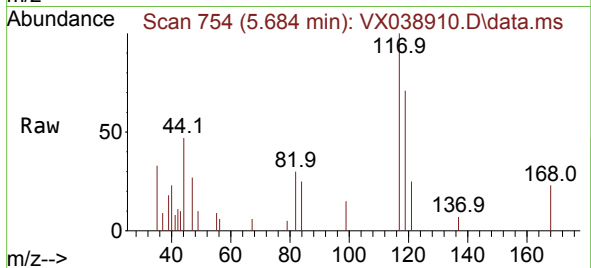
Tgt Ion: 75 Resp: 9679
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.0 50.9#
 77 0.2 24.7 37.1#



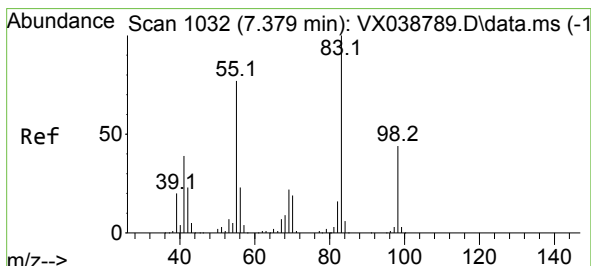
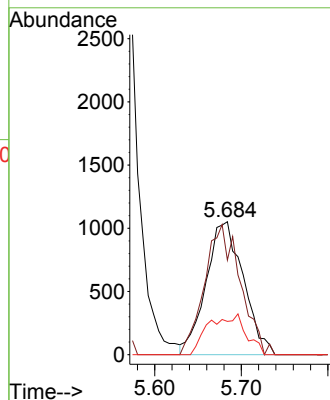
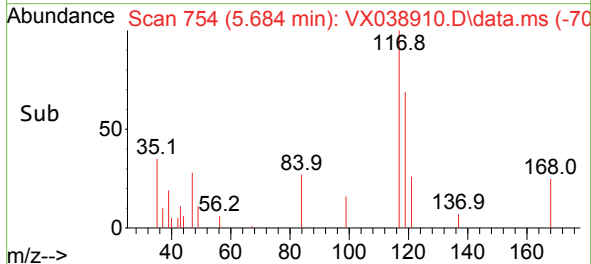


#38
Carbon Tetrachloride
Concen: 1.500 ug/l
RT: 5.684 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

Instrument :
MSVOA_X
ClientSampleId :

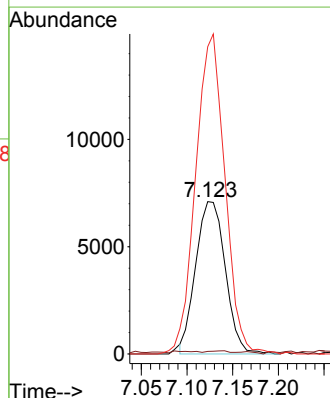
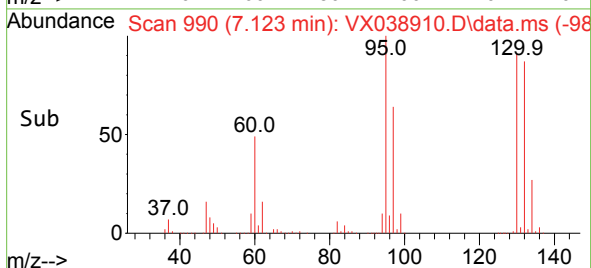
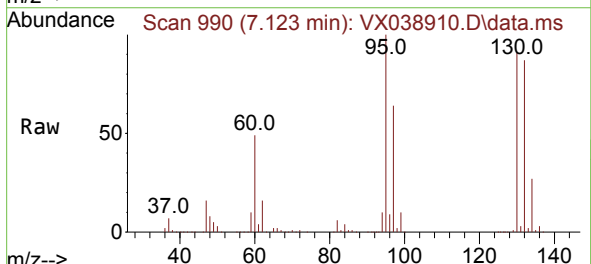


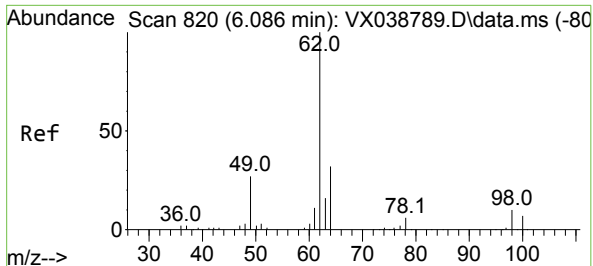
Tgt Ion:117 Resp: 3155
Ion Ratio Lower Upper
117 100
119 71.1 78.2 117.2#
121 25.0 24.4 36.6



#39
Methylcyclohexane
Concen: 5.386 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

Tgt Ion: 83 Resp: 15989
Ion Ratio Lower Upper
83 100
55 0.7 64.6 97.0#
98 201.7 36.7 55.1#





#42

1,2-Dichloroethane

Concen: 0.202 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX038910.D

Acq: 18 Nov 2023 05:30

Instrument :

MSVOA_X

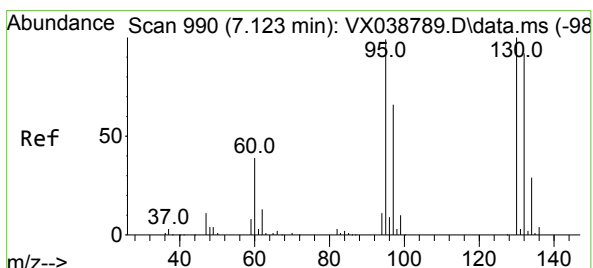
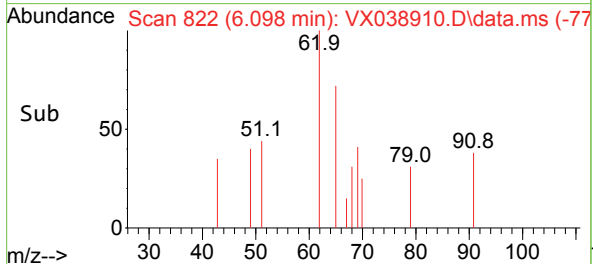
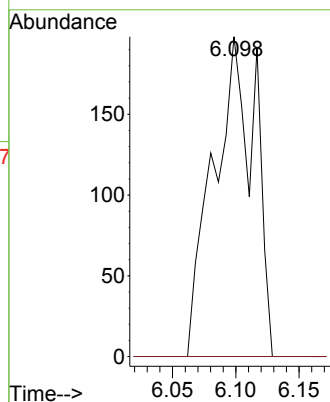
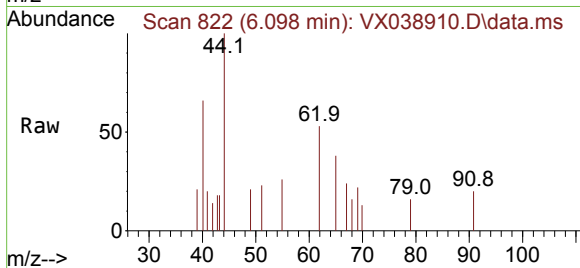
ClientSampleId :

Tgt Ion: 62 Resp: 450

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 738.121 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX038910.D

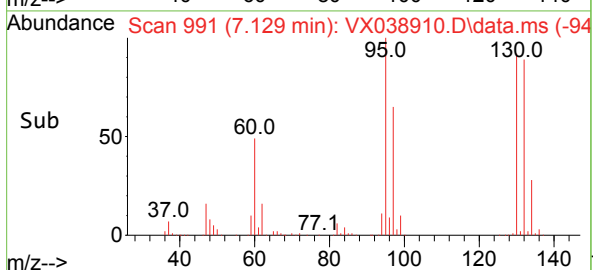
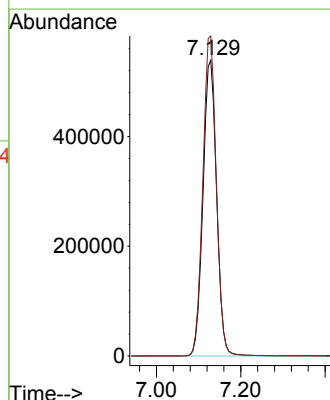
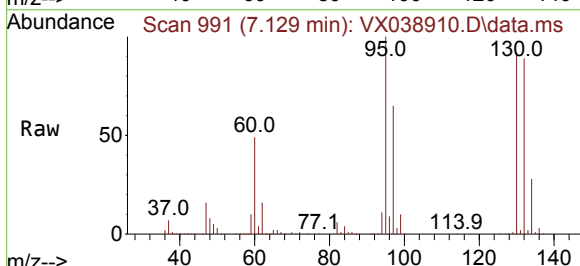
Acq: 18 Nov 2023 05:30

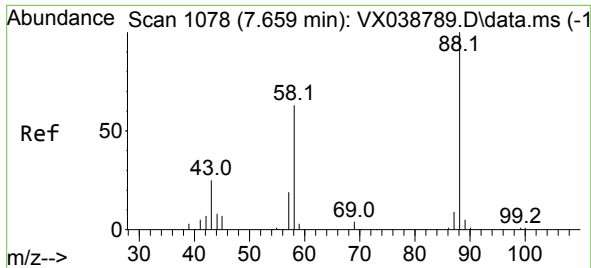
Tgt Ion:130 Resp: 1209322

Ion Ratio Lower Upper

130 100

95 108.2 0.0 204.4

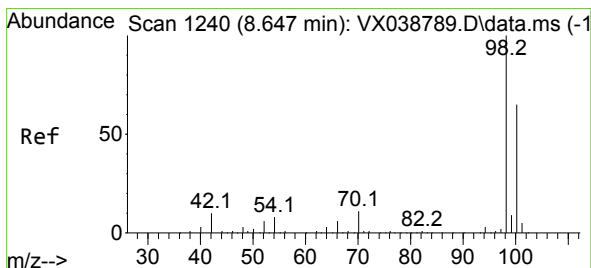
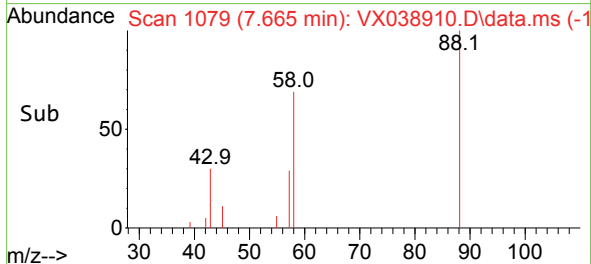
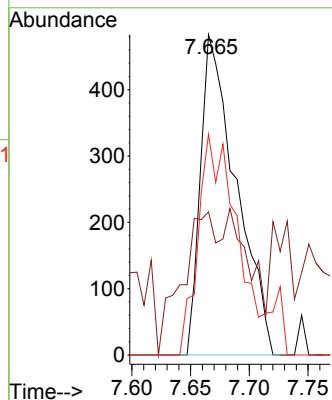
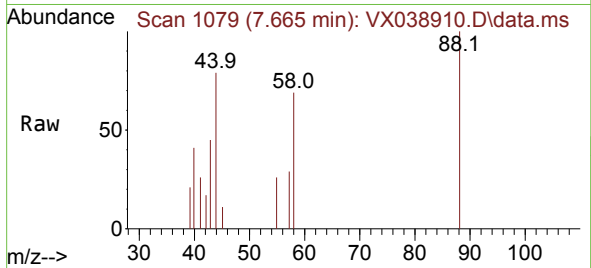




#49
1,4-Dioxane
Concen: 22.865 ug/l
RT: 7.665 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

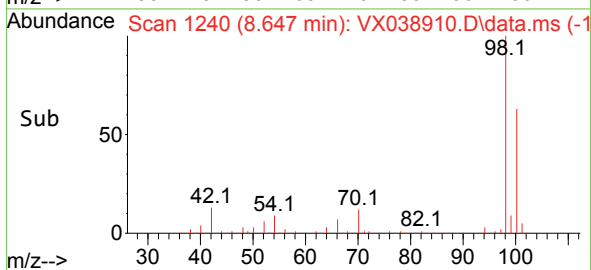
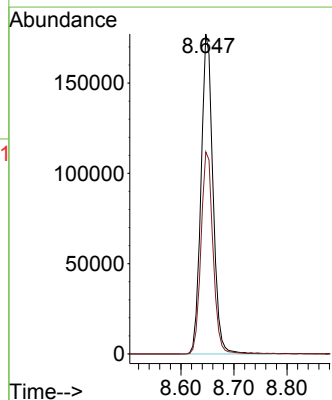
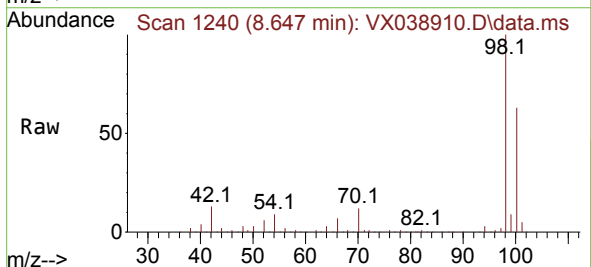
Instrument :
MSVOA_X
ClientSampleId :

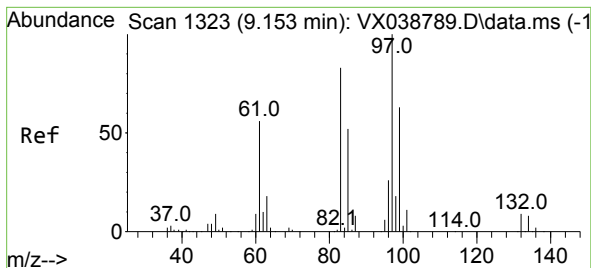
Tgt Ion: 88 Resp: 1017
Ion Ratio Lower Upper
88 100
43 42.6 0.0 0.0#
58 75.8 60.1 90.1



#50
Toluene-d8
Concen: 45.718 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

Tgt Ion: 98 Resp: 277745
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7





#55

1,1,2-Trichloroethane

Concen: 0.534 ug/l

RT: 9.159 min Scan# 1

Delta R.T. 0.006 min

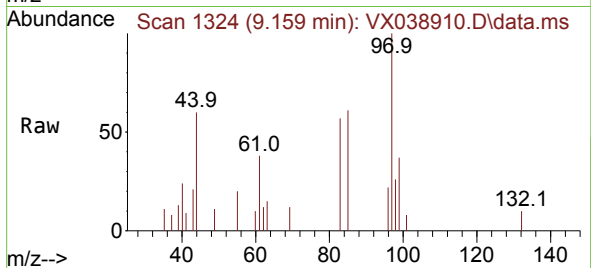
Lab File: VX038910.D

Acq: 18 Nov 2023 05:30

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 931

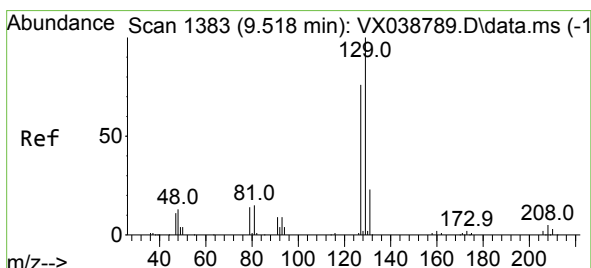
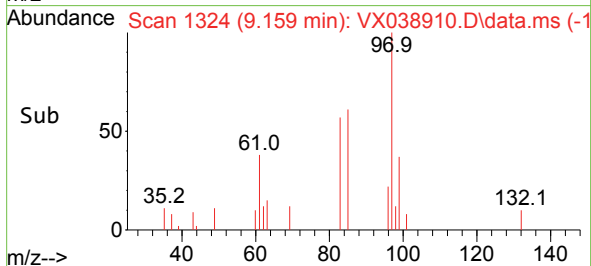
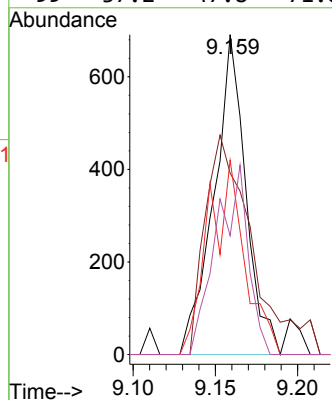
Ion Ratio Lower Upper

97 100

83 56.7 65.8 98.8#

85 60.8 41.6 62.4

99 37.2 47.8 71.8#



#60

Dibromochloromethane

Concen: 3.412 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.244 min

Lab File: VX038910.D

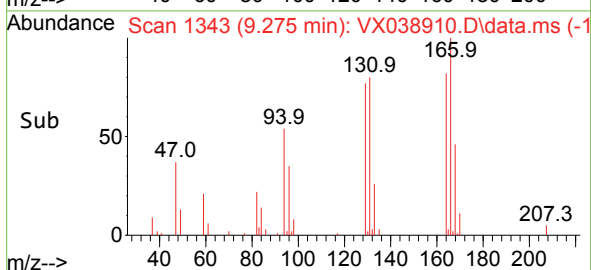
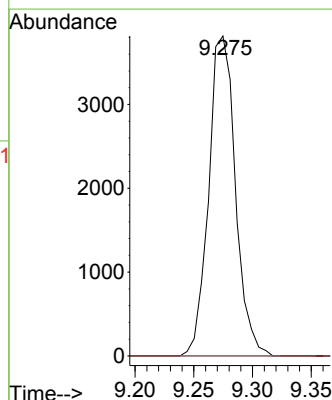
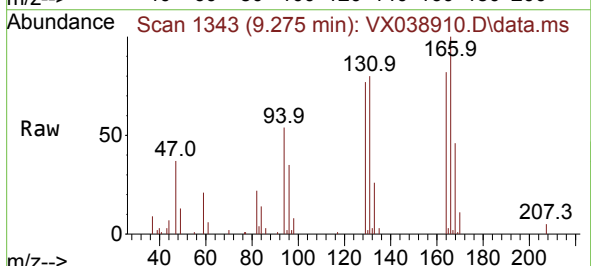
Acq: 18 Nov 2023 05:30

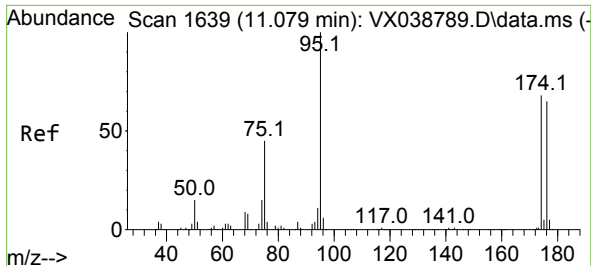
Tgt Ion: 129 Resp: 6046

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#





#62

4-Bromofluorobenzene

Concen: 49.391 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038910.D

Acq: 18 Nov 2023 05:30

Instrument :

MSVOA_X

ClientSampleId :

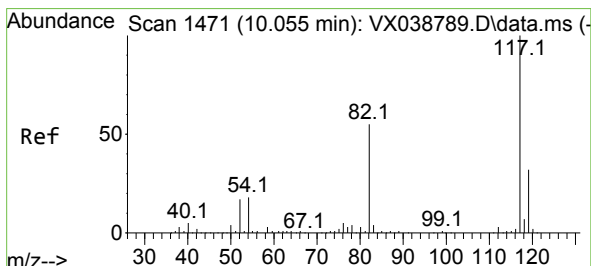
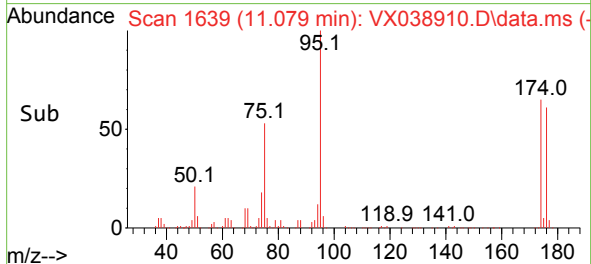
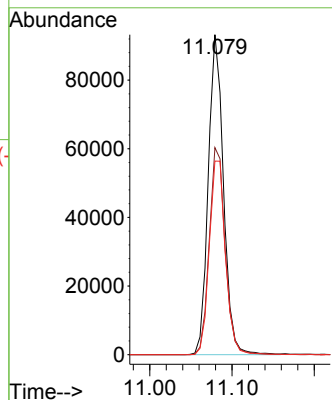
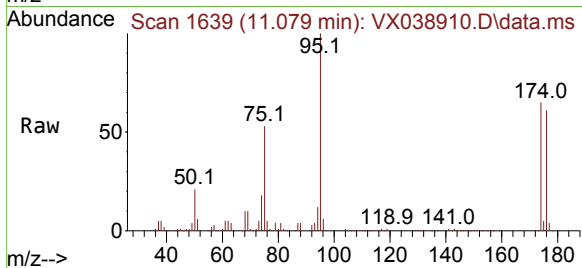
Tgt Ion: 95 Resp: 120116

Ion Ratio Lower Upper

95 100

174 67.4 0.0 135.6

176 64.4 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: VX038910.D

Acq: 18 Nov 2023 05:30

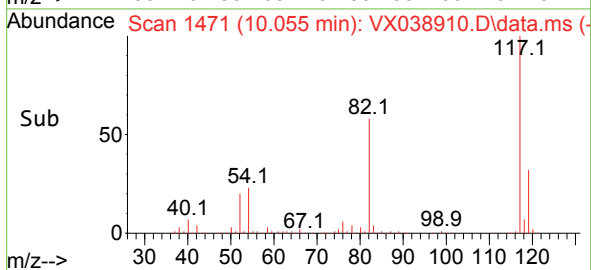
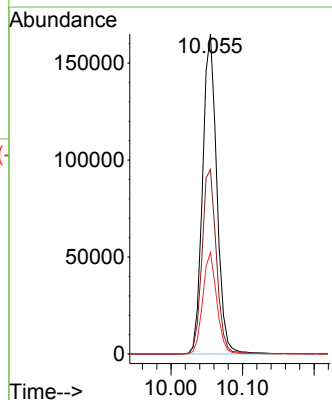
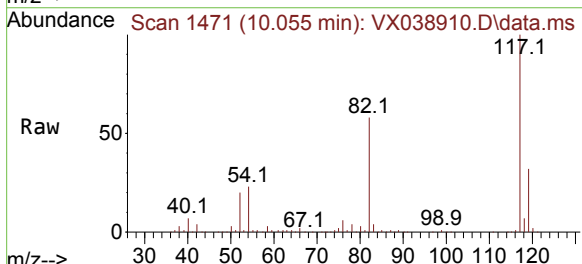
Tgt Ion: 117 Resp: 227942

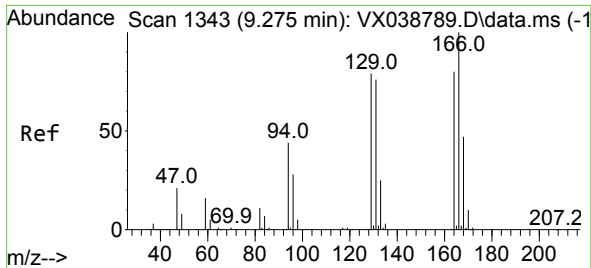
Ion Ratio Lower Upper

117 100

82 57.6 46.2 69.4

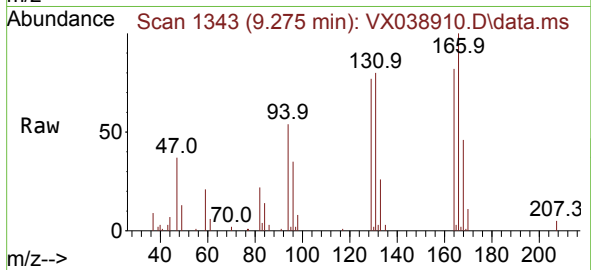
119 31.7 25.5 38.3





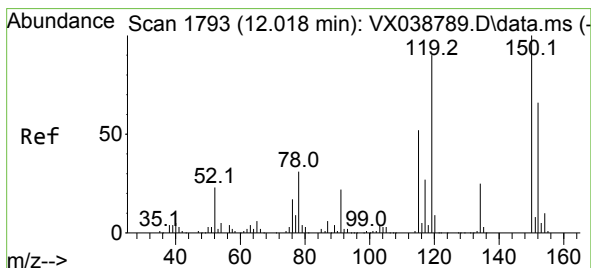
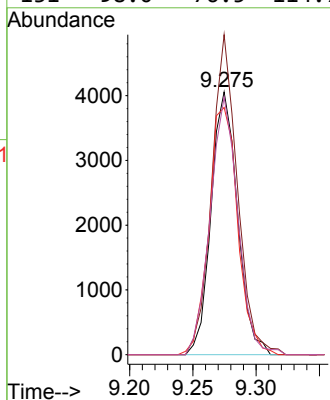
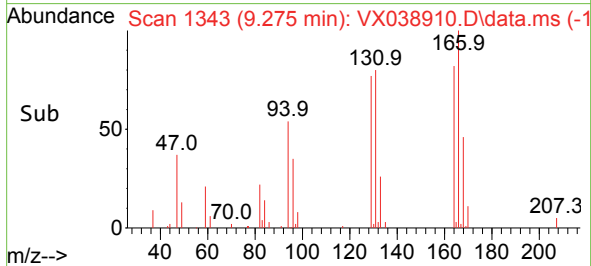
#64
Tetrachloroethene
Concen: 4.150 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30

Instrument :
MSVOA_X
ClientSampleId :

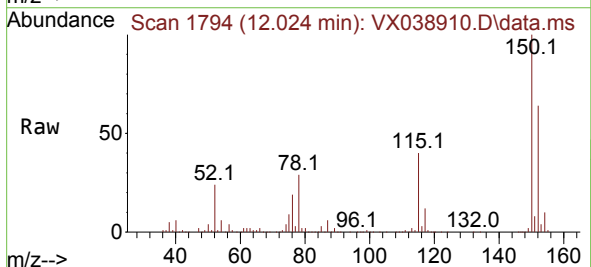


Tgt Ion:164 Resp: 5880

Ion	Ratio	Lower	Upper
164	100		
166	121.8	102.7	154.1
129	94.1	80.4	120.6
131	98.0	76.5	114.7

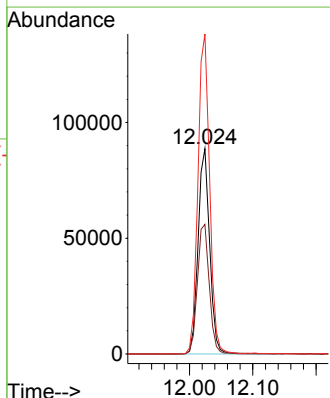
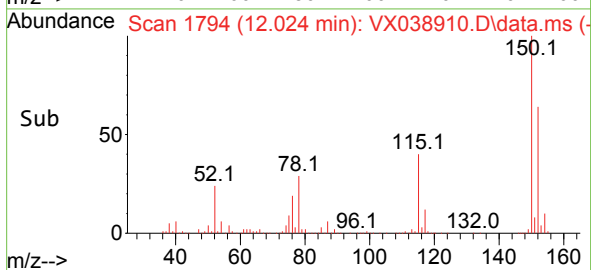


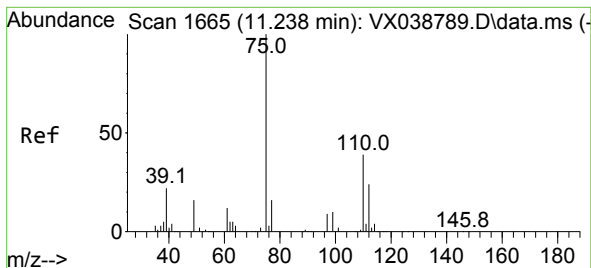
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038910.D
Acq: 18 Nov 2023 05:30



Tgt Ion:152 Resp: 112986

Ion	Ratio	Lower	Upper
152	100		
115	64.9	43.3	129.9
150	157.2	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 22.145 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038910.D

Acq: 18 Nov 2023 05:30

Instrument :

MSVOA_X

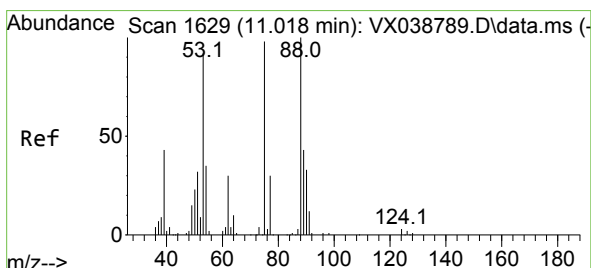
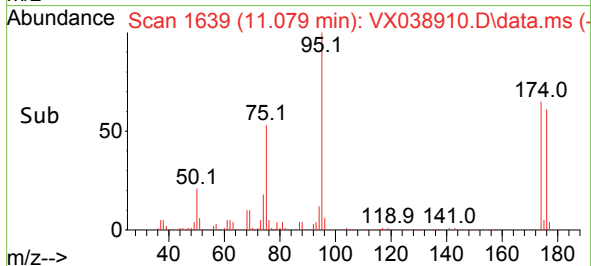
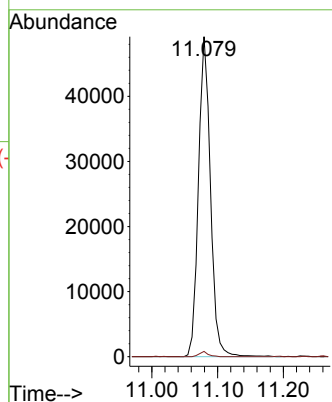
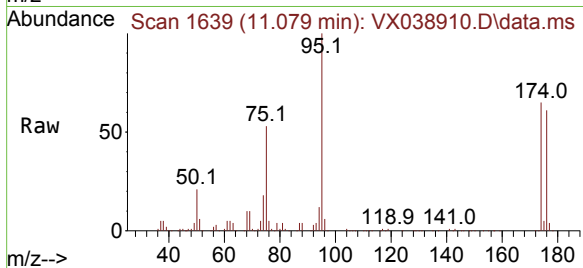
ClientSampleId :

Tgt Ion: 75 Resp: 62427

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.120 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038910.D

Acq: 18 Nov 2023 05:30

Tgt Ion: 75 Resp: 62427

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

