

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037109.D
 Acq On : 19 Aug 2023 05:13
 Operator : JC/MD
 Sample : 04024-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 21 01:41:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

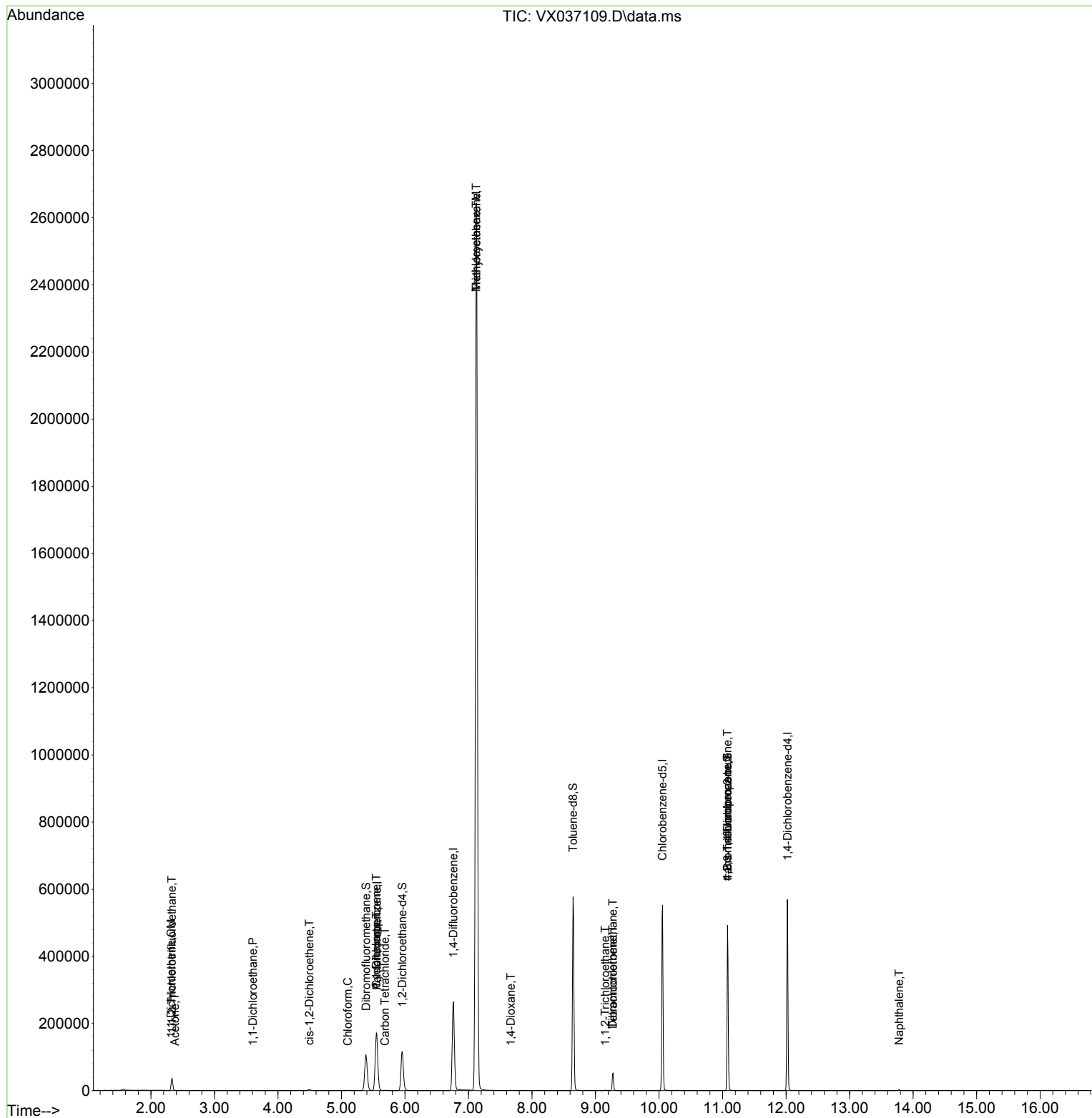
Internal Standards						
1) Pentafluorobenzene	5.556	168	158992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	277854	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	119286	52.041	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 104.080%		
35) Dibromofluoromethane	5.385	113	93266	50.684	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.360%		
50) Toluene-d8	8.647	98	341455	51.155	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 102.300%		
62) 4-Bromofluorobenzene	11.079	95	130561	49.772	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 99.540%		
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	13086	7.786	ug/l	96
12) 1,1-Dichloroethene	2.319	96	1613	0.986	ug/l	81
16) Acetone	2.380	43	754	0.841	ug/l	99
24) 1,1-Dichloroethane	3.605	63	865	0.265	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	2389	1.089	ug/l	85
30) Chloroform	5.099	83	946	0.259	ug/l	88
31) Cyclohexane	5.550	56	3371	1.308	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12387	4.738	ug/l #	52
38) Carbon Tetrachloride	5.684	117	968	0.341	ug/l #	81
39) Methylcyclohexane	7.123	83	12187	4.437	ug/l #	1
44) Trichloroethene	7.123	130	1036122	487.333	ug/l	99
49) 1,4-Dioxane	7.665	88	743	13.342	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	484	0.240	ug/l	91
60) Dibromochloromethane	9.275	129	9949	4.632	ug/l #	11
64) Tetrachloroethene	9.275	164	9724	5.214	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	67278	26.500	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	67278	74.015	ug/l #	5
95) Naphthalene	13.780	128	2810	0.283	ug/l #	94

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

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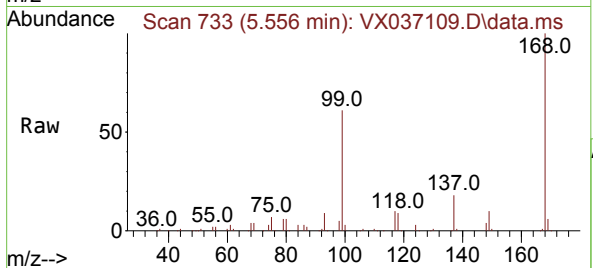
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



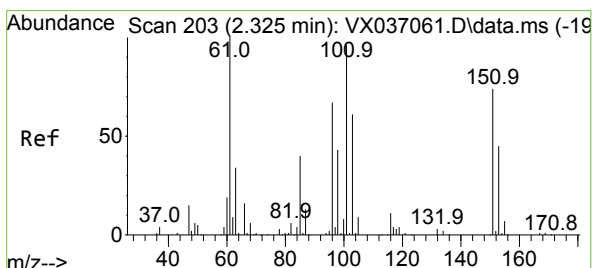
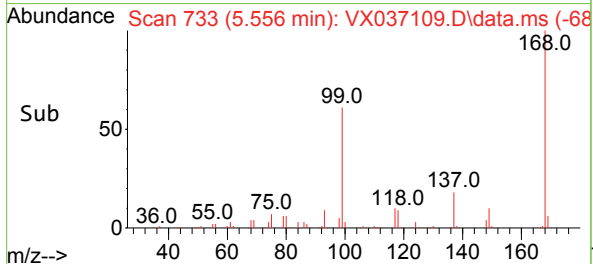
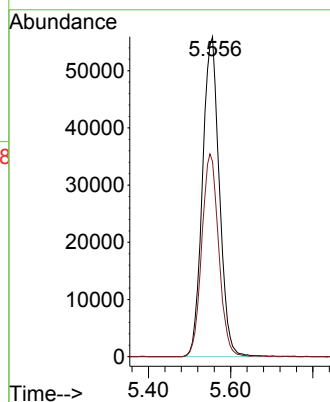


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

Instrument :
MSVOA_X
ClientSampleId :

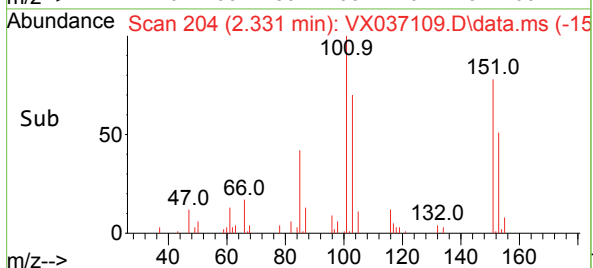
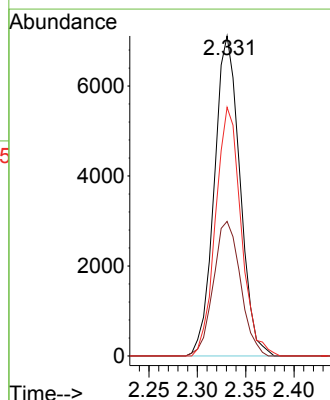
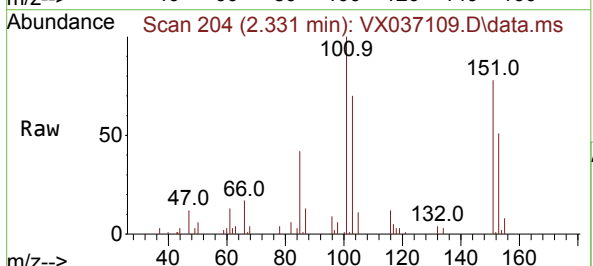


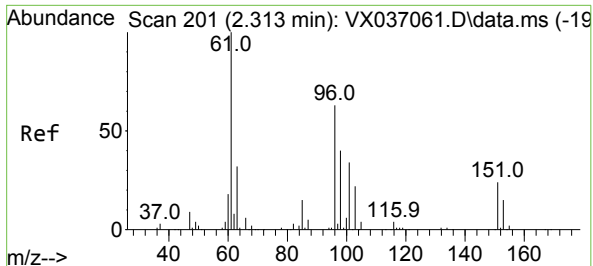
Tgt Ion:168 Resp: 158992
Ion Ratio Lower Upper
168 100
99 61.0 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.786 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

Tgt Ion:101 Resp: 13086
Ion Ratio Lower Upper
101 100
85 44.4 37.0 55.6
151 77.4 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.986 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX037109.D

Acq: 19 Aug 2023 05:13

Instrument :

MSVOA_X

ClientSampleId :

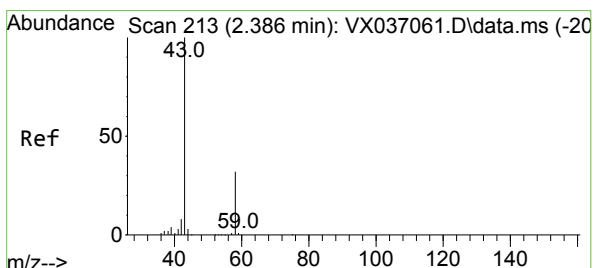
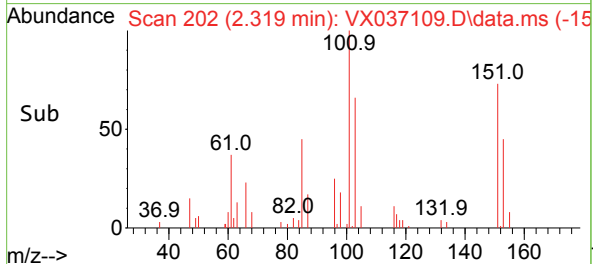
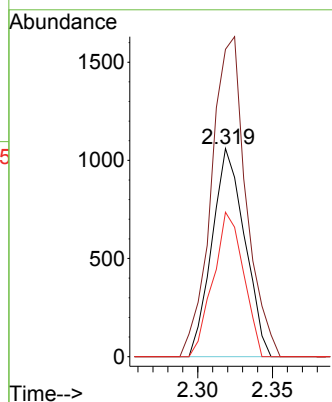
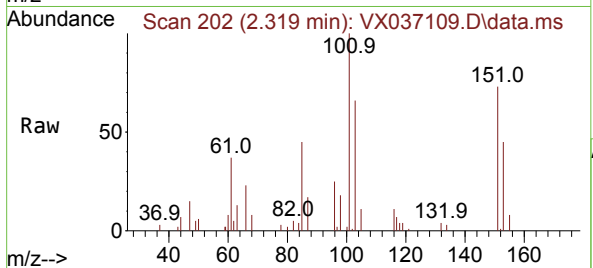
Tgt Ion: 96 Resp: 1613

Ion Ratio Lower Upper

96 100

61 147.7 144.6 216.8

98 69.4 50.4 75.6



#16

Acetone

Concen: 0.841 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037109.D

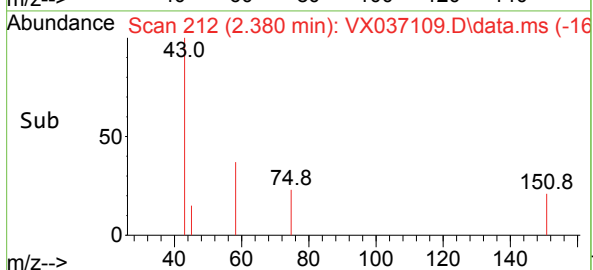
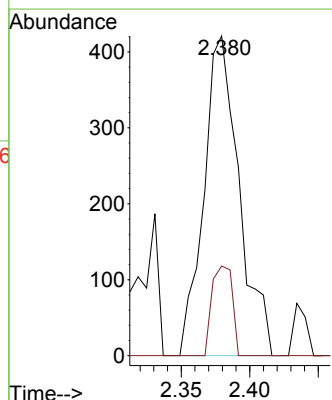
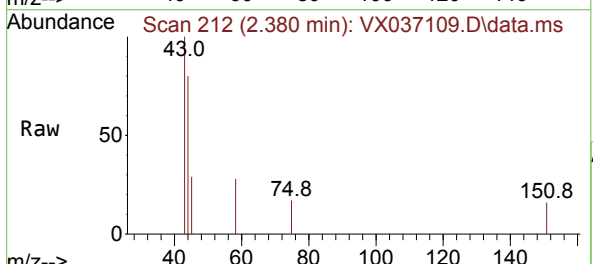
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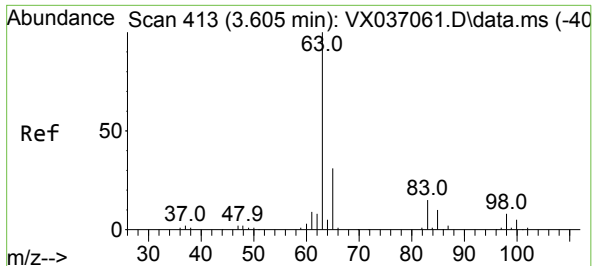
Tgt Ion: 43 Resp: 754

Ion Ratio Lower Upper

43 100

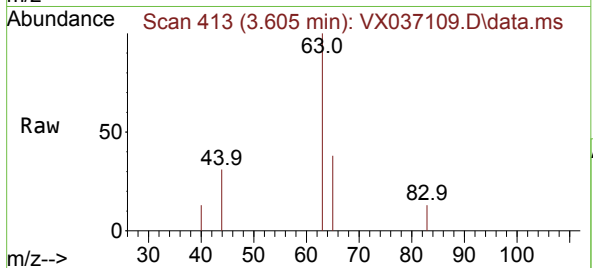
58 28.0 21.9 32.9



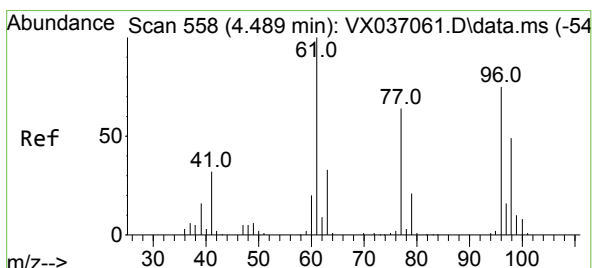
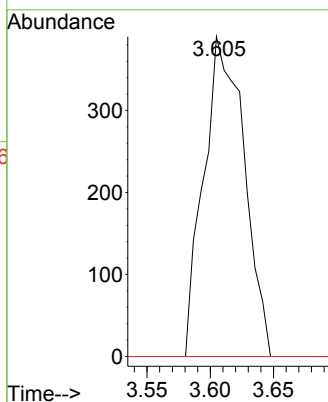
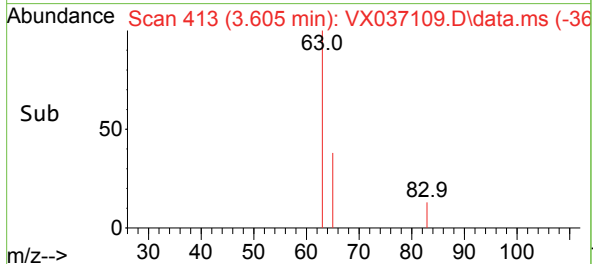


#24
 1,1-Dichloroethane
 Concen: 0.265 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX037109.D
 Acq: 19 Aug 2023 05:13

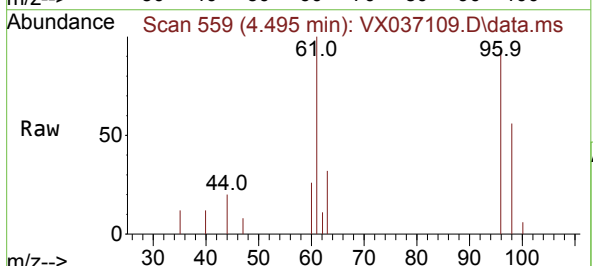
Instrument :
 MSVOA_X
 ClientSampleId :



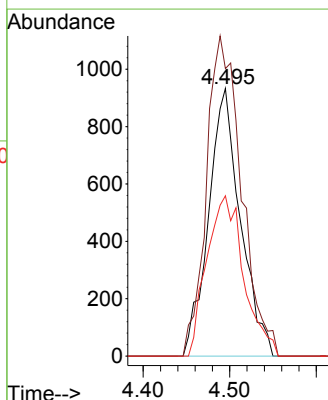
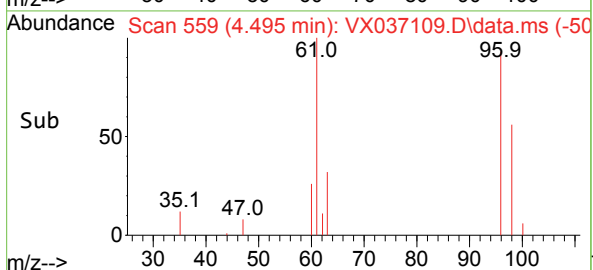
Tgt Ion: 63 Resp: 865
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.1 6.5#

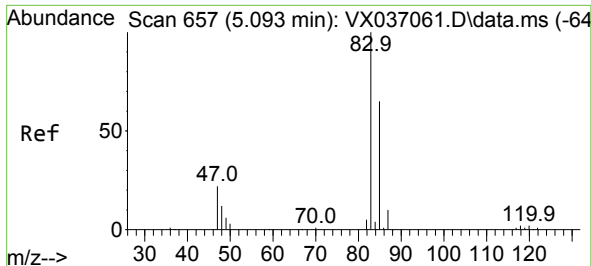


#27
 cis-1,2-Dichloroethene
 Concen: 1.089 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.006 min
 Lab File: VX037109.D
 Acq: 19 Aug 2023 05:13



Tgt Ion: 96 Resp: 2389
 Ion Ratio Lower Upper
 96 100
 61 131.2 0.0 312.2
 98 69.4 0.0 129.0

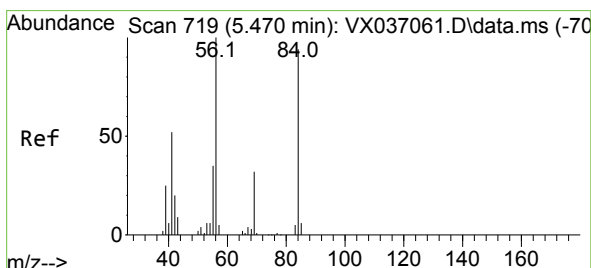
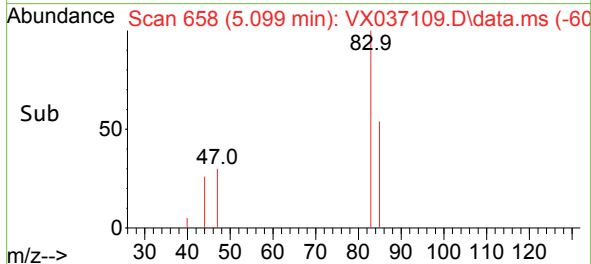
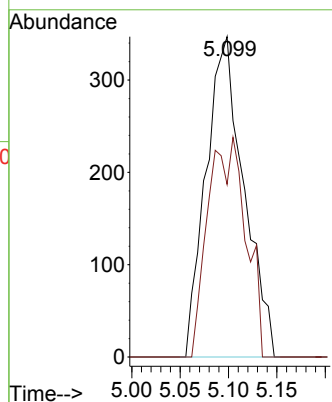
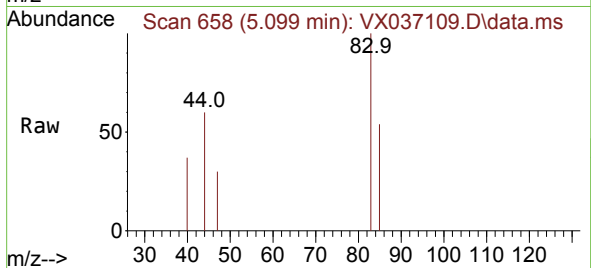




#30
Chloroform
Concen: 0.259 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

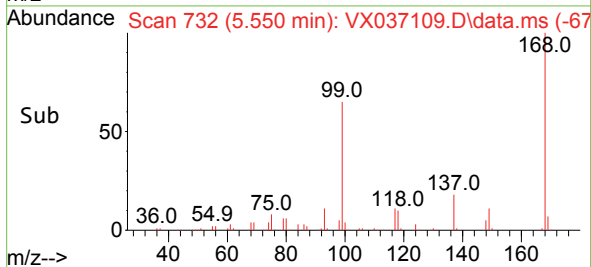
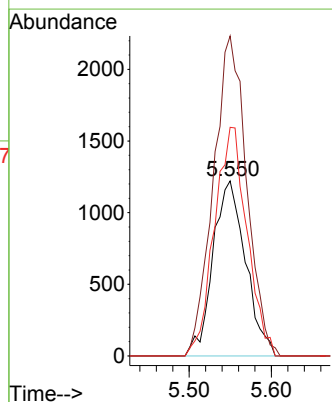
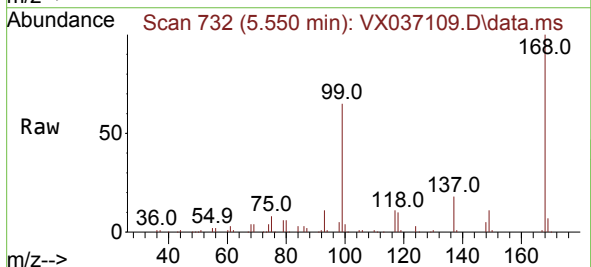
Instrument :
MSVOA_X
ClientSampleId :

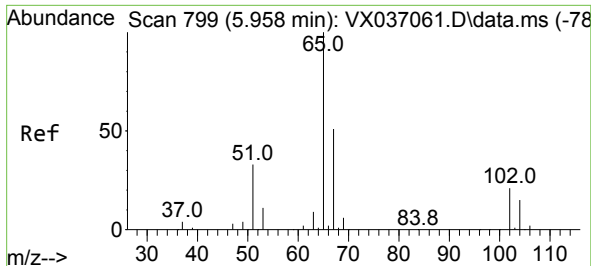
Tgt Ion: 83 Resp: 946
Ion Ratio Lower Upper
83 100
85 53.9 50.3 75.5



#31
Cyclohexane
Concen: 1.308 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

Tgt Ion: 56 Resp: 3371
Ion Ratio Lower Upper
56 100
69 182.7 23.4 35.2#
84 130.6 65.9 98.9#

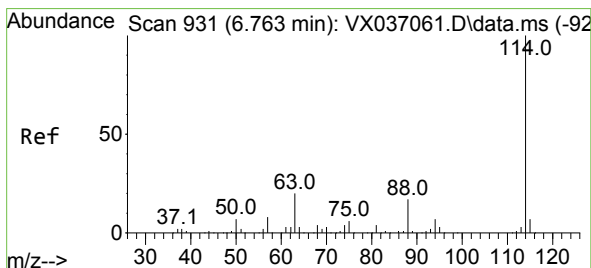
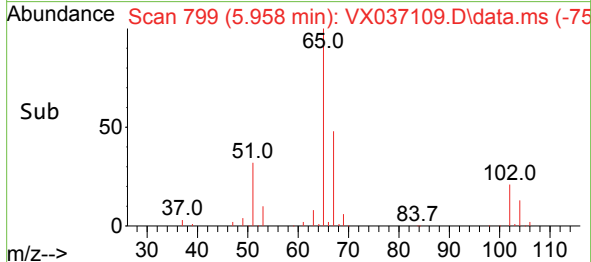
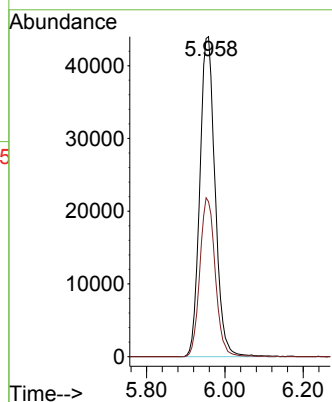
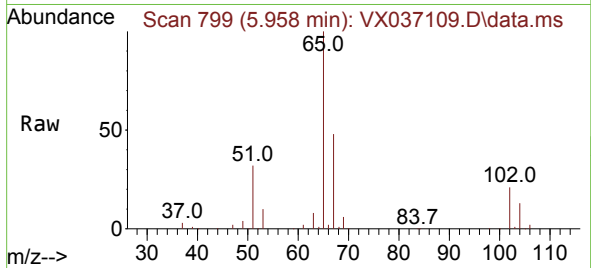




#33
 1,2-Dichloroethane-d4
 Concen: 52.041 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX037109.D
 Acq: 19 Aug 2023 05:13

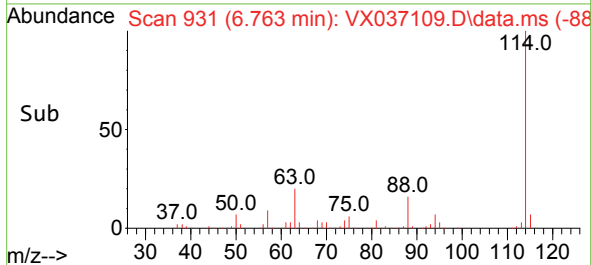
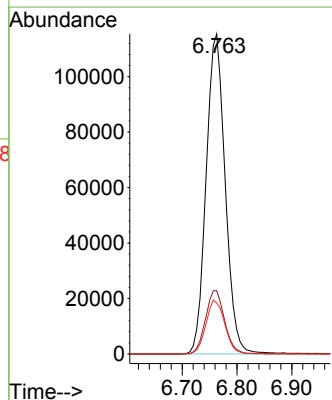
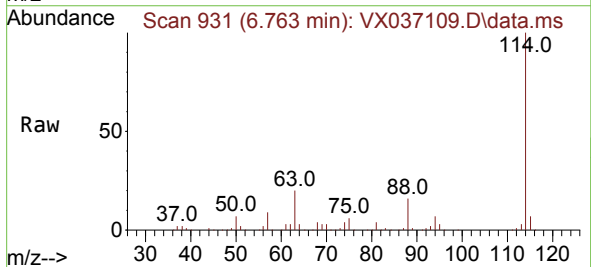
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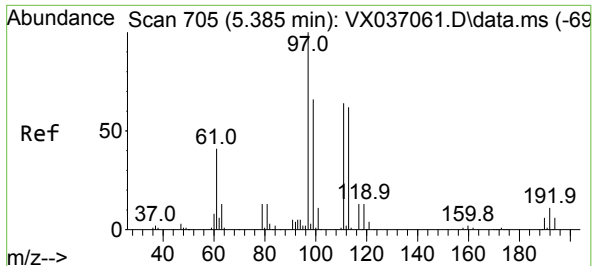
Tgt Ion: 65 Resp: 119286
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX037109.D
 Acq: 19 Aug 2023 05:13

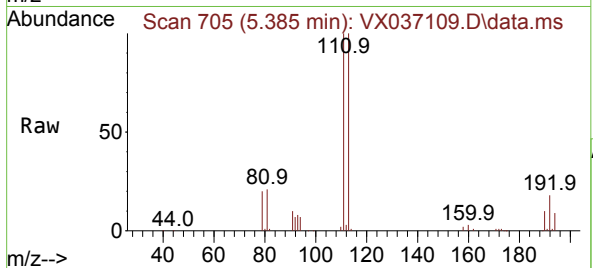
Tgt Ion: 114 Resp: 277854
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 45.0
 88 15.9 0.0 36.6



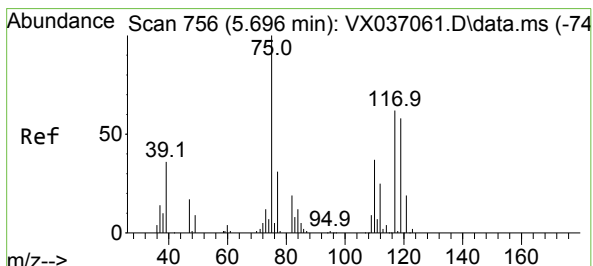
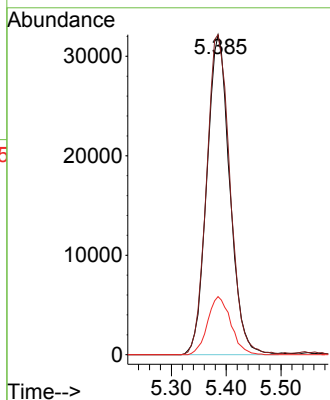
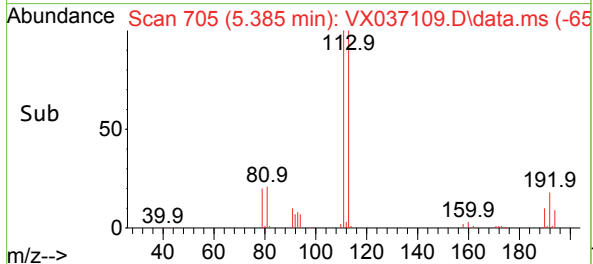


#35
 Dibromofluoromethane
 Concen: 50.684 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: VX037109.D
 Acq: 19 Aug 2023 05:13

Instrument :
 MSVOA_X
 ClientSampleId :

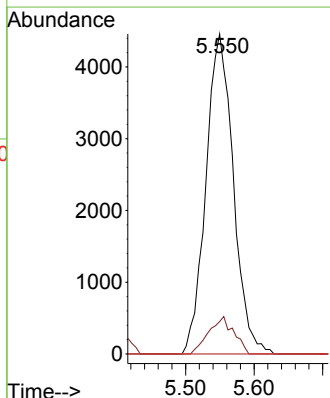
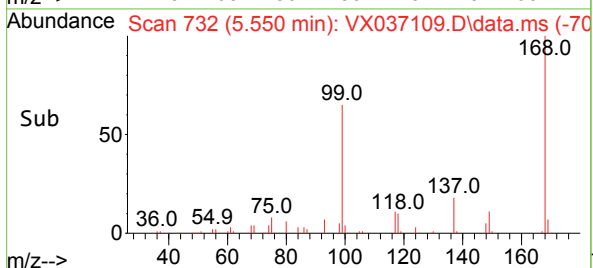
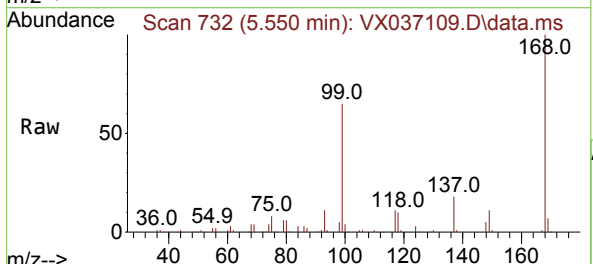


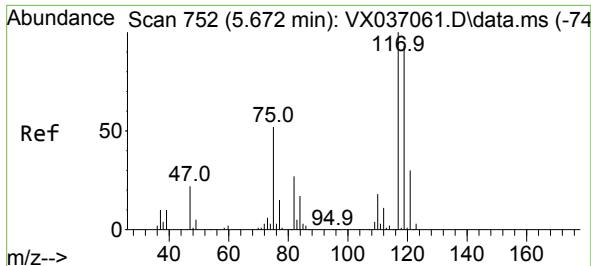
Tgt Ion:113 Resp: 93266
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.9 124.3
 192 18.4 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.738 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.146 min
 Lab File: VX037109.D
 Acq: 19 Aug 2023 05:13

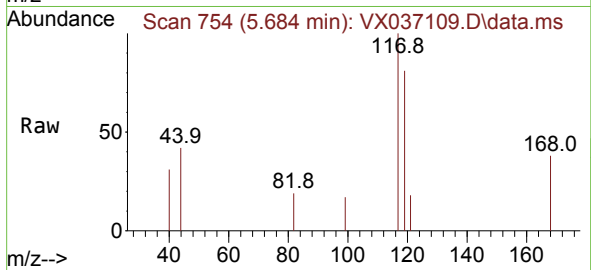
Tgt Ion: 75 Resp: 12387
 Ion Ratio Lower Upper
 75 100
 110 10.7 17.0 50.9#
 77 0.0 24.7 37.1#



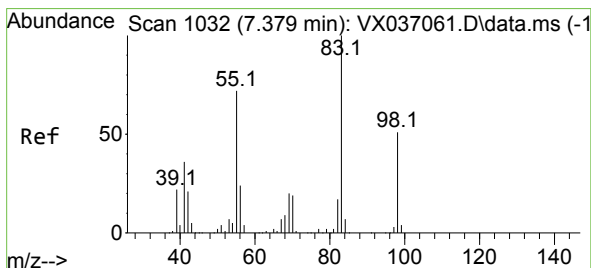
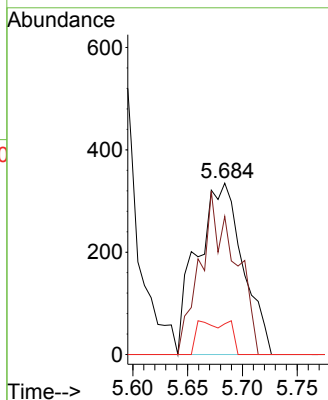
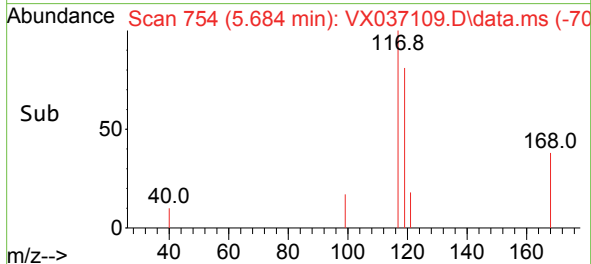


#38
Carbon Tetrachloride
Concen: 0.341 ug/l
RT: 5.684 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

Instrument :
MSVOA_X
ClientSampleId :

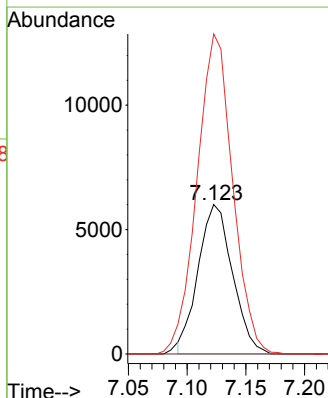
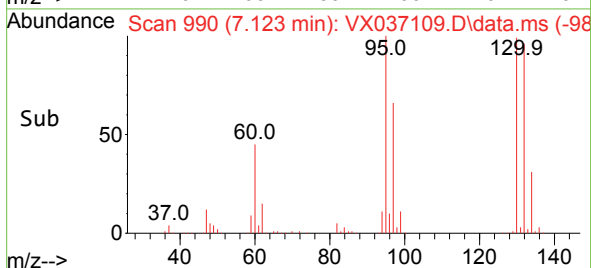
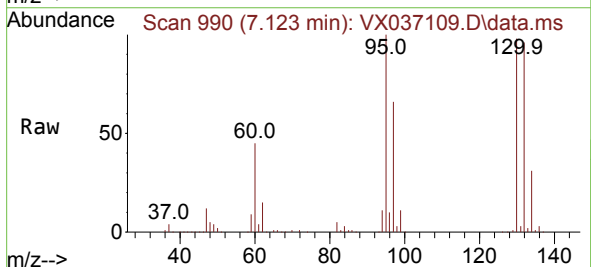


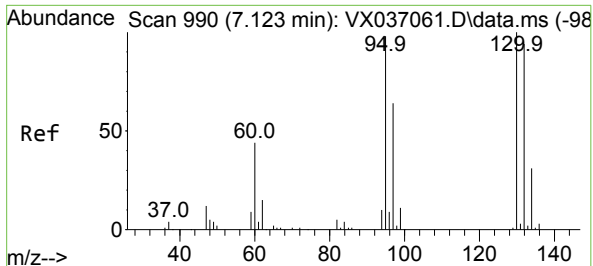
Tgt Ion:117 Resp: 968
Ion Ratio Lower Upper
117 100
119 80.6 78.2 117.2
121 17.9 24.4 36.6#



#39
Methylcyclohexane
Concen: 4.437 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

Tgt Ion: 83 Resp: 12187
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 213.2 36.7 55.1#

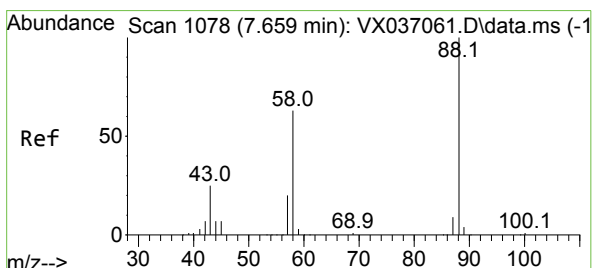
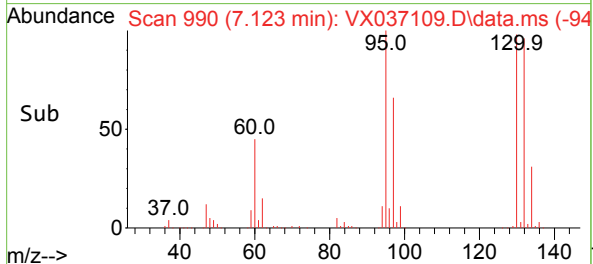
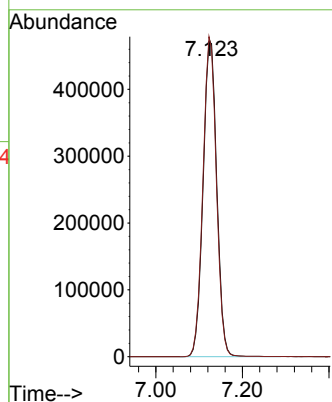
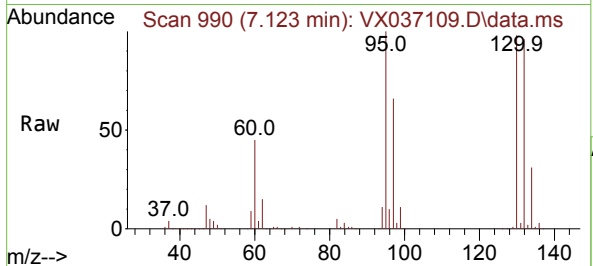




#44
Trichloroethene
Concen: 487.333 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

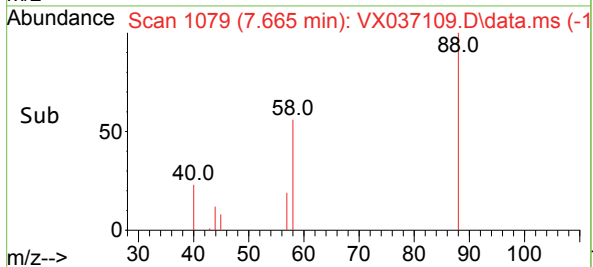
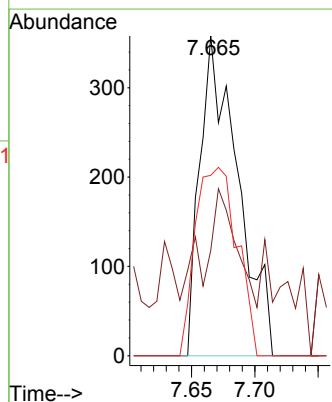
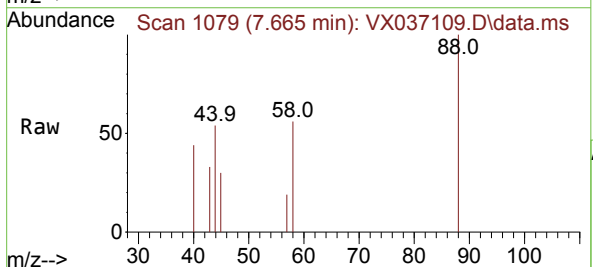
Instrument :
MSVOA_X
ClientSampleId :

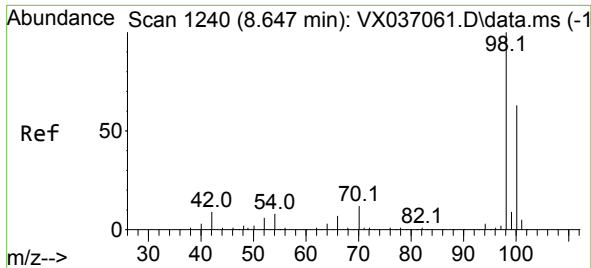
Tgt Ion:130 Resp: 1036122
Ion Ratio Lower Upper
130 100
95 101.6 0.0 204.4



#49
1,4-Dioxane
Concen: 13.342 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

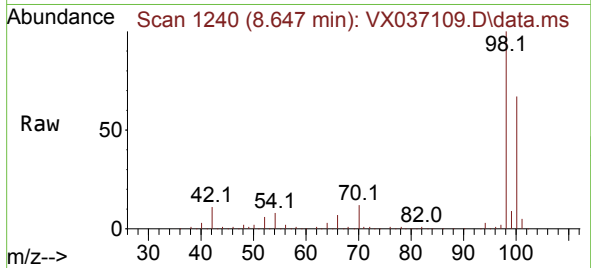
Tgt Ion: 88 Resp: 743
Ion Ratio Lower Upper
88 100
43 40.4 0.0 0.0#
58 65.3 60.1 90.1



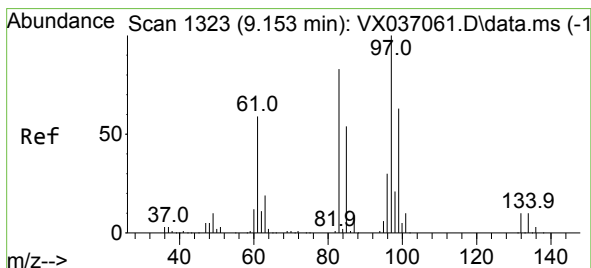
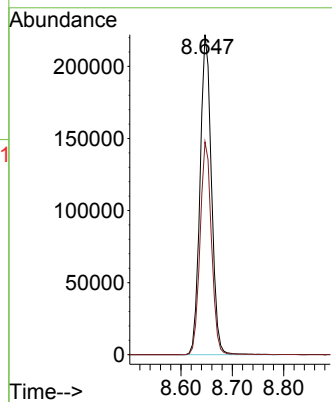
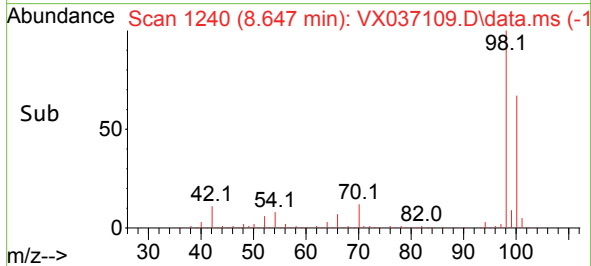


#50
Toluene-d8
Concen: 51.155 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

Instrument :
MSVOA_X
ClientSampleId :

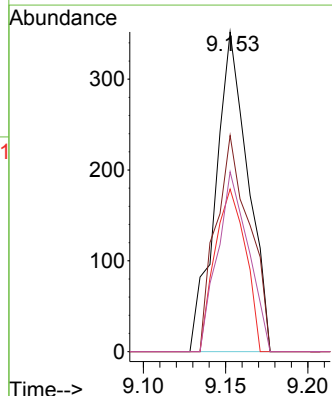
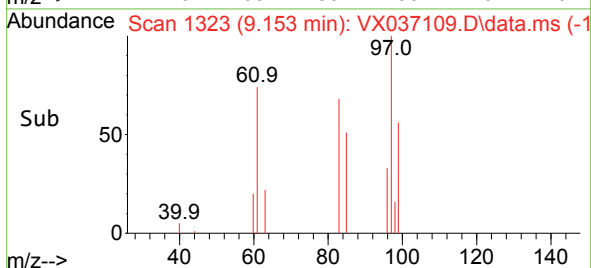
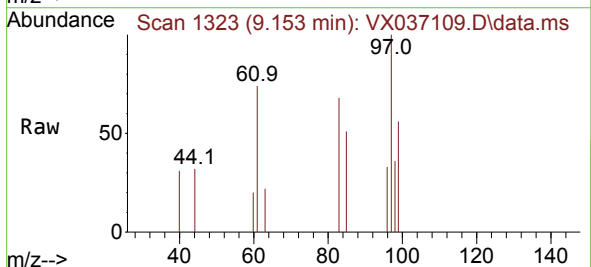


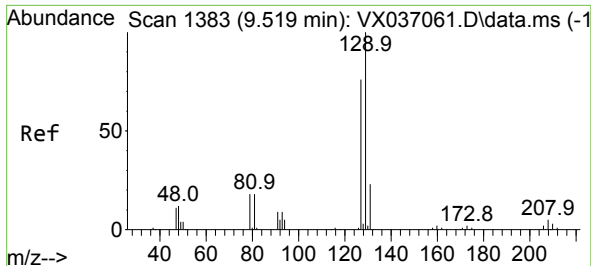
Tgt Ion: 98 Resp: 341455
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#55
1,1,2-Trichloroethane
Concen: 0.240 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

Tgt Ion: 97 Resp: 484
Ion Ratio Lower Upper
97 100
83 67.6 65.8 98.8
85 50.9 41.6 62.4
99 56.3 47.8 71.8

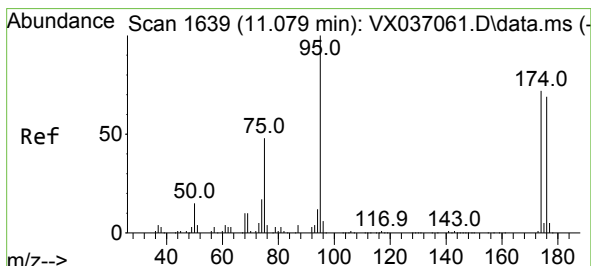
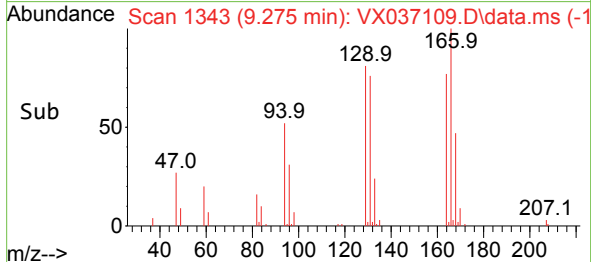
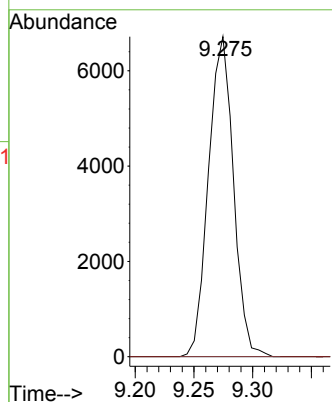
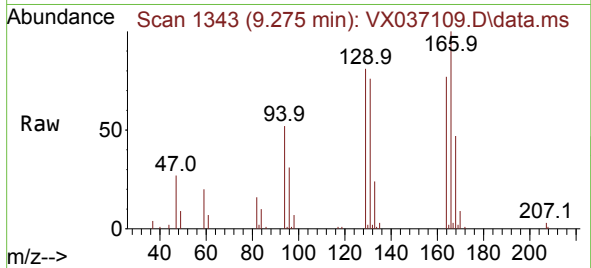




#60
Dibromochloromethane
Concen: 4.632 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

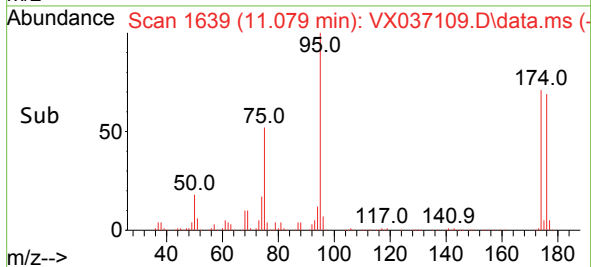
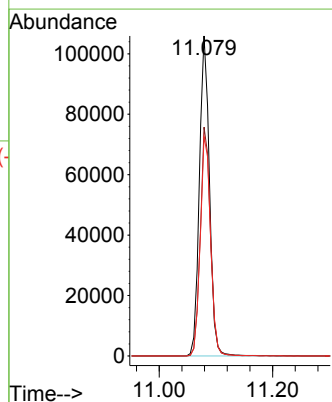
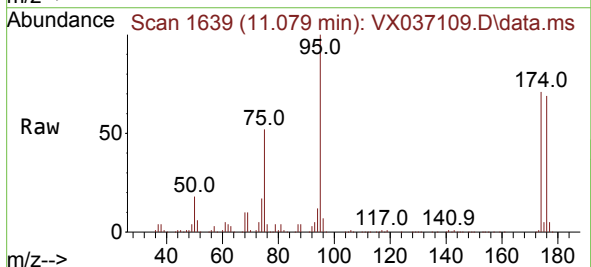
Instrument :
MSVOA_X
ClientSampleId :

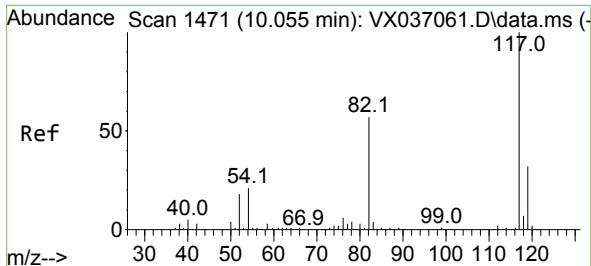
Tgt Ion:129 Resp: 9949
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 49.772 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

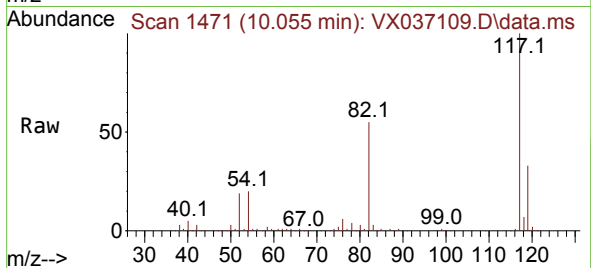
Tgt Ion: 95 Resp: 130561
Ion Ratio Lower Upper
95 100
174 71.7 0.0 135.6
176 70.6 0.0 131.0



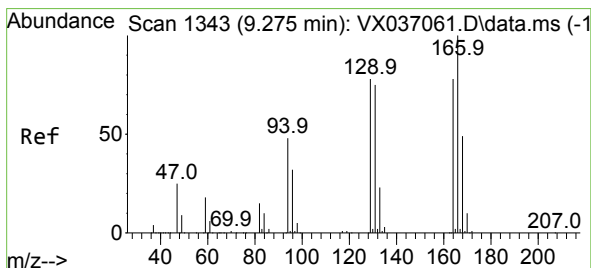
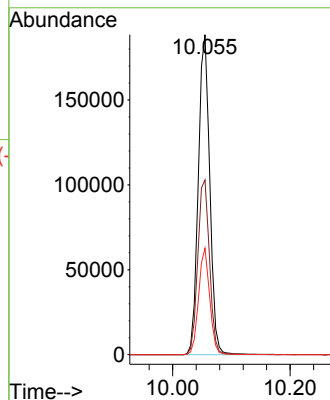
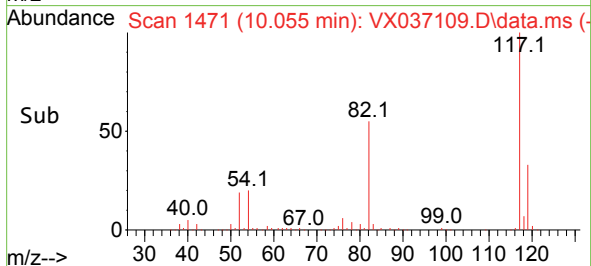


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

Instrument :
MSVOA_X
ClientSampleId :

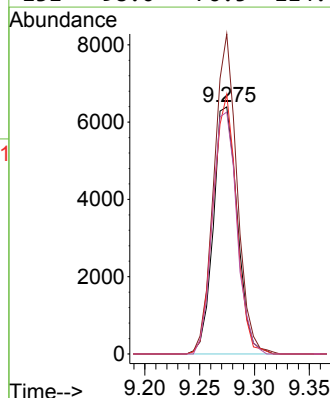
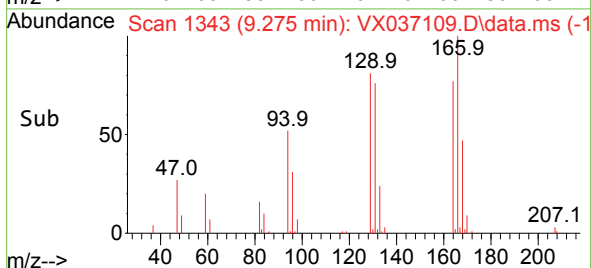
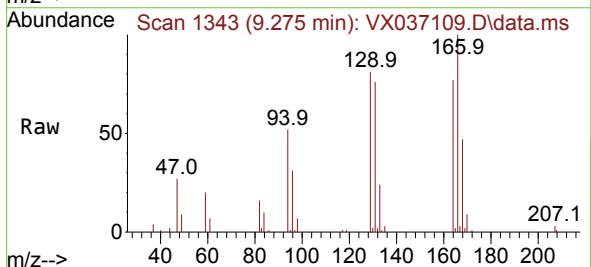


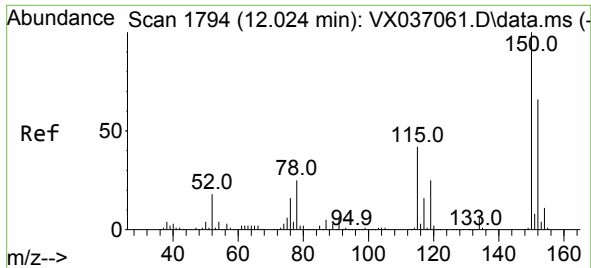
Tgt Ion:117 Resp: 255664
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 33.2 25.5 38.3



#64
Tetrachloroethene
Concen: 5.214 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

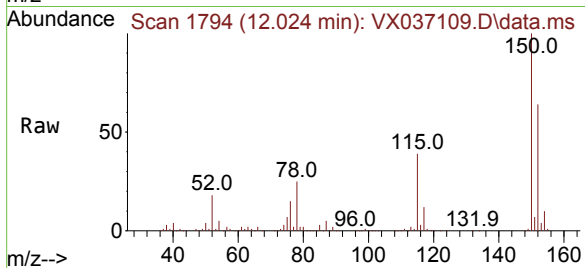
Tgt Ion:164 Resp: 9724
Ion Ratio Lower Upper
164 100
166 129.6 102.7 154.1
129 105.1 80.4 120.6
131 98.0 76.5 114.7



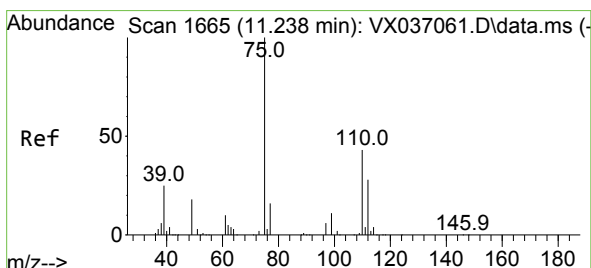
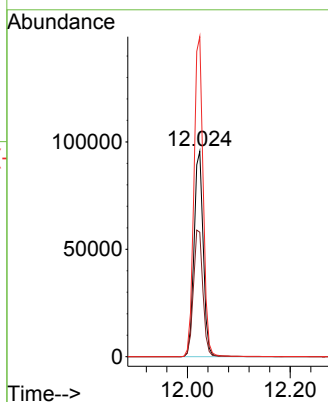
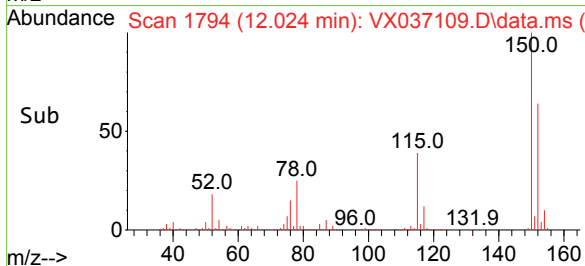


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037109.D
 Acq: 19 Aug 2023 05:13

Instrument :
 MSVOA_X
 ClientSampleId :

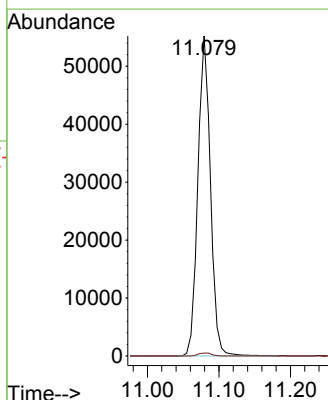
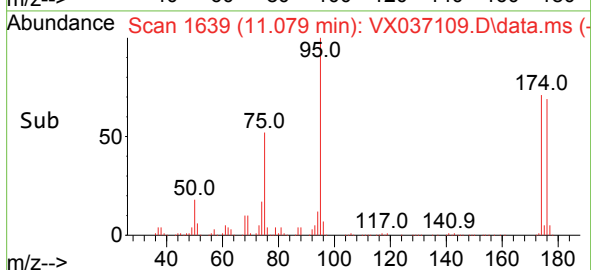
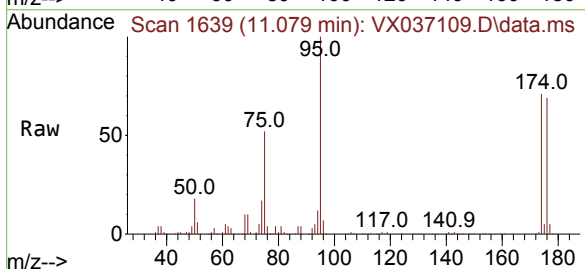


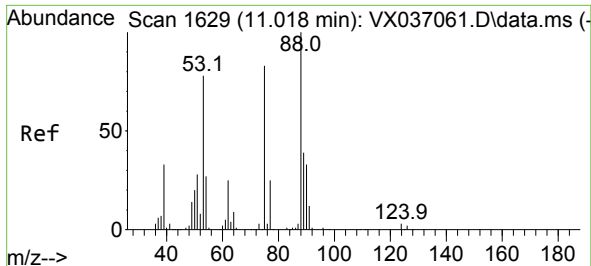
Tgt Ion:152 Resp: 119212
 Ion Ratio Lower Upper
 152 100
 115 63.4 43.3 129.9
 150 157.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 26.500 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037109.D
 Acq: 19 Aug 2023 05:13

Tgt Ion: 75 Resp: 67278
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

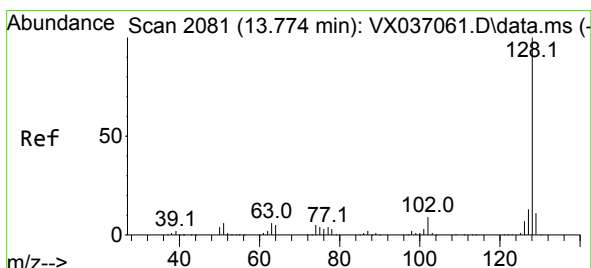
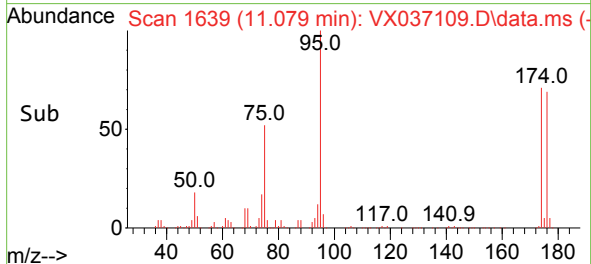
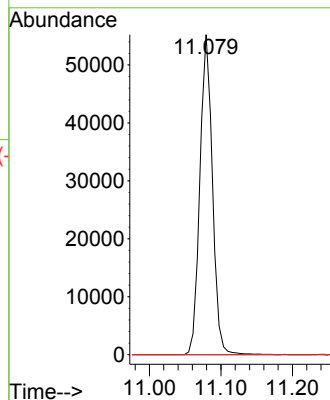
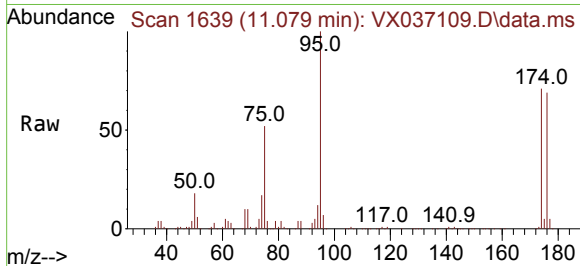




#81
trans-1,4-Dichloro-2-butene
Concen: 74.015 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 67278
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.283 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037109.D
Acq: 19 Aug 2023 05:13

Tgt Ion: 128 Resp: 2810
Ion Ratio Lower Upper
128 100
127 10.9 10.3 15.5
129 8.0 8.8 13.2#

