

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037112.D
 Acq On : 19 Aug 2023 06:24
 Operator : JC/MD
 Sample : 04025-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 21 01:42:42 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)

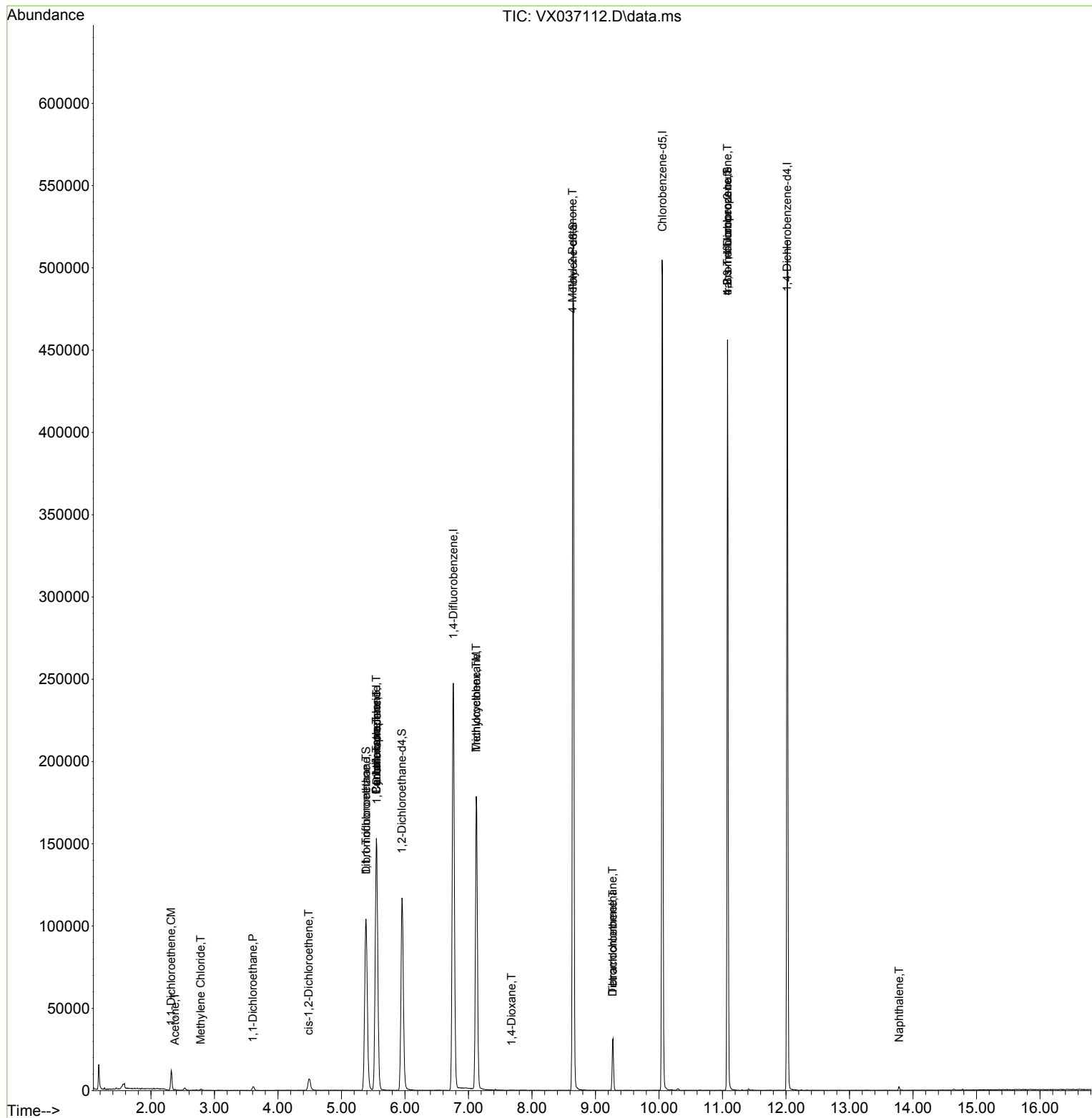
Internal Standards						
1) Pentafluorobenzene	5.550	168	140820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	262507	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	103152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	117298	57.777	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 115.560%	
35) Dibromofluoromethane	5.385	113	90278	51.928	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.860%	
50) Toluene-d8	8.647	98	321055	50.910	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.820%	
62) 4-Bromofluorobenzene	11.079	95	120769	48.731	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.460%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.319	96	4094	2.824	ug/l	85
16) Acetone	2.380	43	860	1.083	ug/l #	77
20) Methylene Chloride	2.782	84	518	0.292	ug/l #	81
24) 1,1-Dichloroethane	3.605	63	2931	1.015	ug/l #	94
27) cis-1,2-Dichloroethene	4.483	96	5088	2.619	ug/l	80
31) Cyclohexane	5.550	56	2969	1.301	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	2175	0.749	ug/l #	47
36) 1,1-Dichloropropene	5.556	75	10997	4.452	ug/l #	51
38) Carbon Tetrachloride	5.550	117	15464	5.764	ug/l #	14
39) Methylcyclohexane	7.123	83	803	0.309	ug/l #	1
44) Trichloroethene	7.123	130	69500	34.600	ug/l	100
49) 1,4-Dioxane	7.678	88	55	1.045	ug/l #	12
51) 4-Methyl-2-Pentanone	8.641	43	1380	0.567	ug/l #	1
60) Dibromochloromethane	9.269	129	6135	3.023	ug/l #	11
64) Tetrachloroethene	9.275	164	5848	3.397	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	62563	28.479	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	62563	79.544	ug/l #	5
95) Naphthalene	13.780	128	2009	0.233	ug/l	97

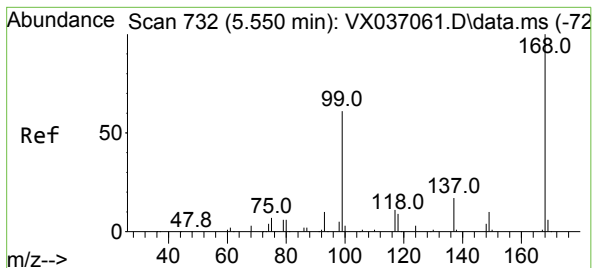
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 21 01:42:42 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

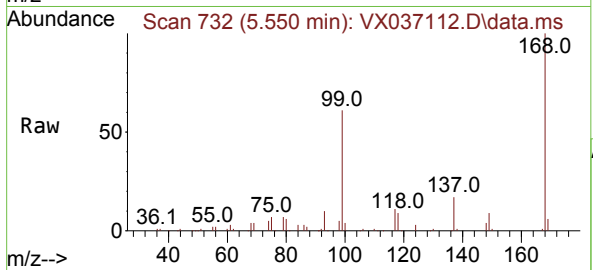
Lab File: VX037112.D

Acq: 19 Aug 2023 06:24

Instrument :

MSVOA_X

ClientSampleId :

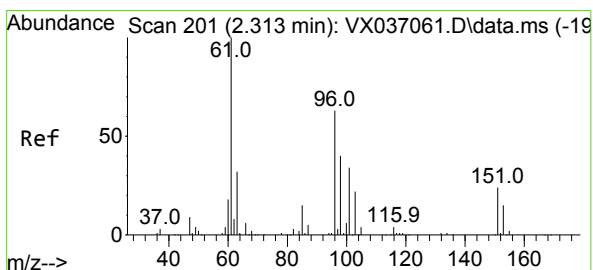
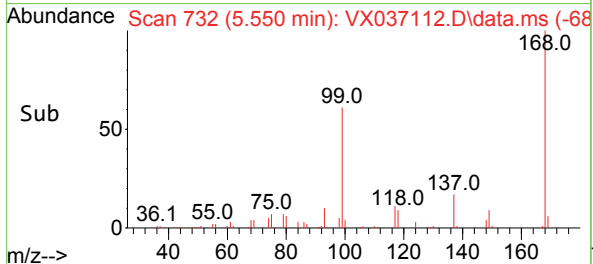
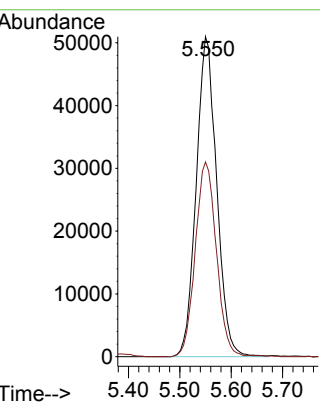


Tgt Ion:168 Resp: 140820

Ion Ratio Lower Upper

168 100

99 60.8 56.6 85.0



#12

1,1-Dichloroethene

Concen: 2.824 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037112.D

Acq: 19 Aug 2023 06:24

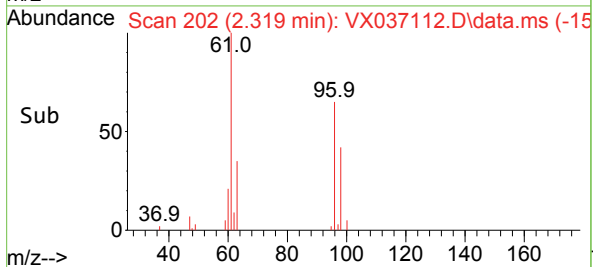
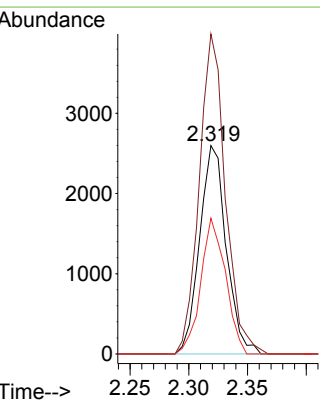
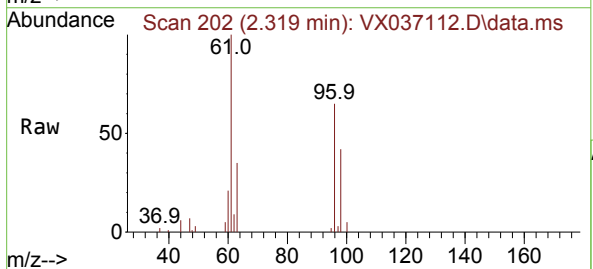
Tgt Ion: 96 Resp: 4094

Ion Ratio Lower Upper

96 100

61 153.6 144.6 216.8

98 65.1 50.4 75.6

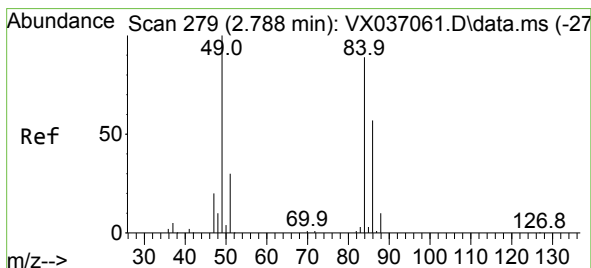
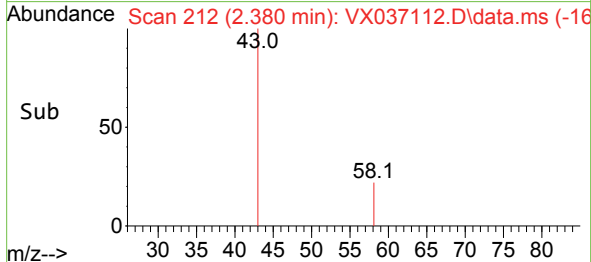
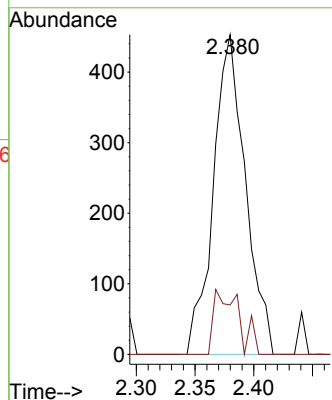
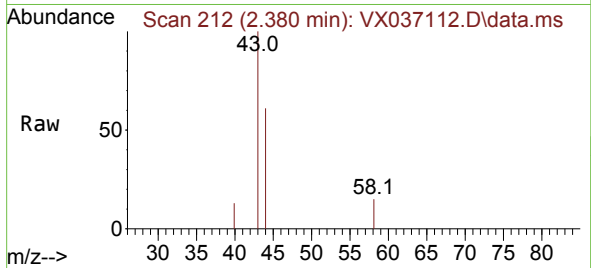




#16
Acetone
Concen: 1.083 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

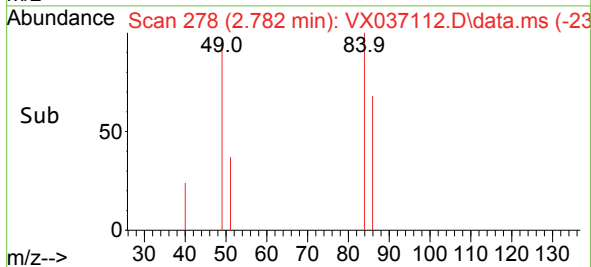
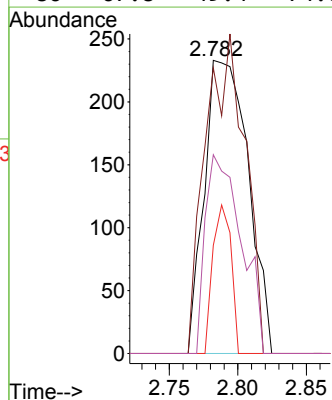
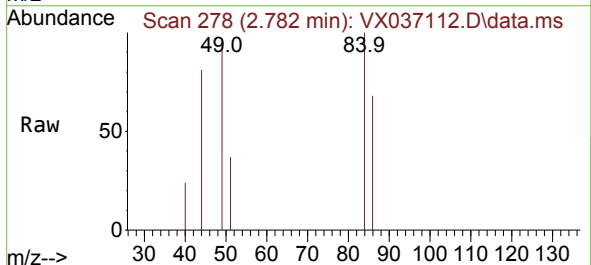
Instrument :
MSVOA_X
ClientSampleId :

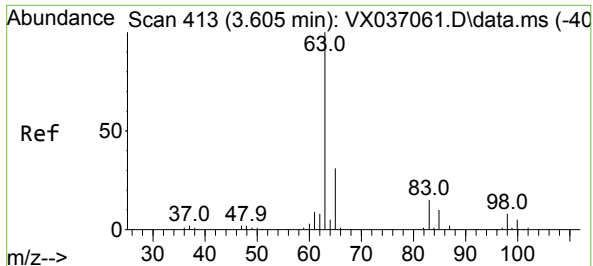
Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
58 15.5 21.9 32.9#



#20
Methylene Chloride
Concen: 0.292 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

Tgt Ion: 84 Resp: 518
Ion Ratio Lower Upper
84 100
49 97.4 103.6 155.4#
51 36.9 33.8 50.6
86 67.8 49.4 74.0

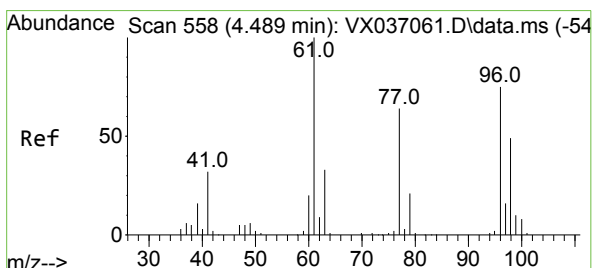
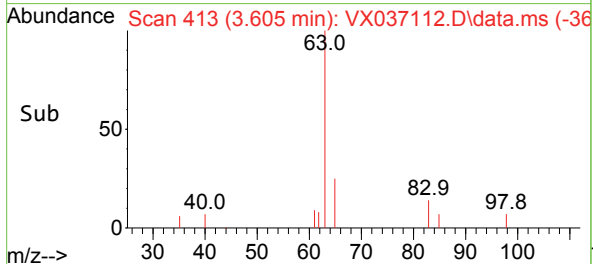
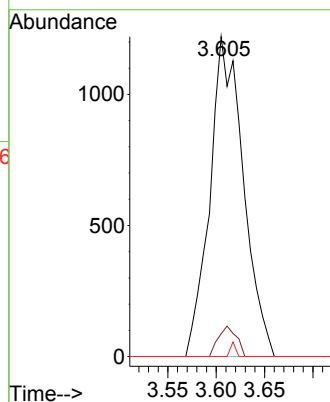
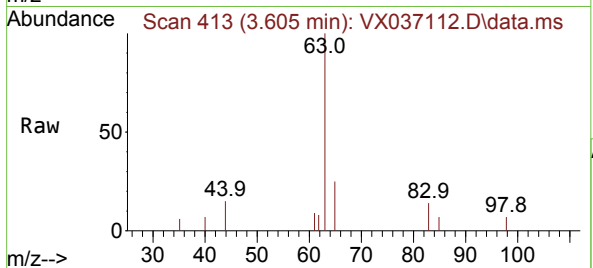




#24
1,1-Dichloroethane
Concen: 1.015 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

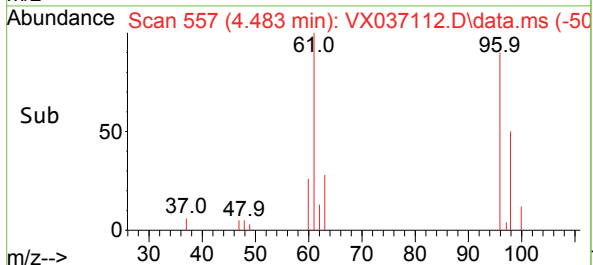
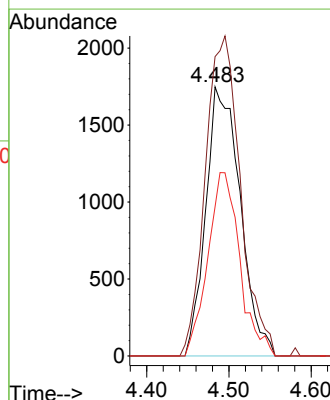
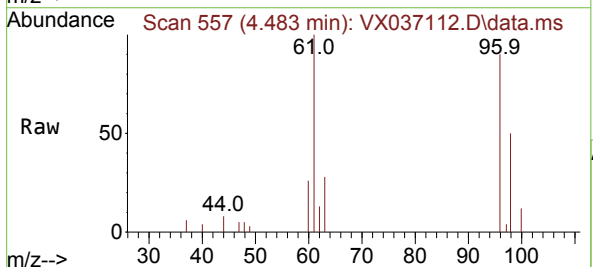
Instrument :
MSVOA_X
ClientSampleId :

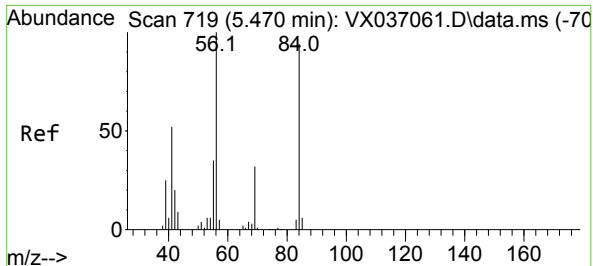
Tgt Ion: 63 Resp: 2931
Ion Ratio Lower Upper
63 100
98 7.1 3.3 9.8
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 2.619 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

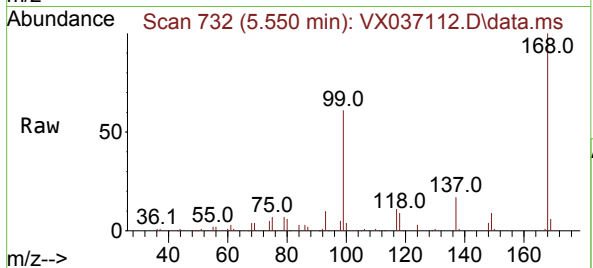
Tgt Ion: 96 Resp: 5088
Ion Ratio Lower Upper
96 100
61 121.0 0.0 312.2
98 63.4 0.0 129.0



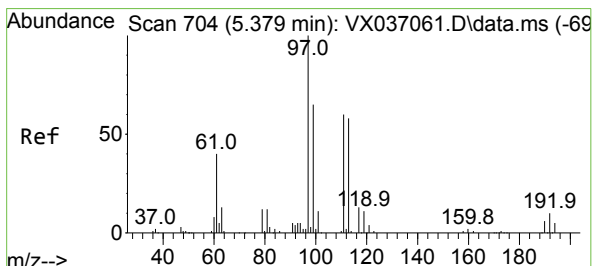
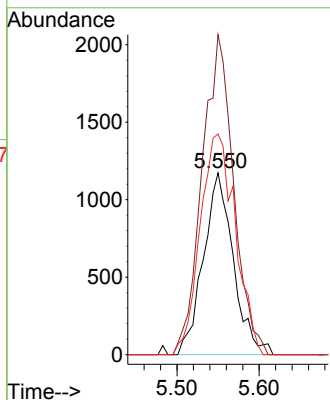
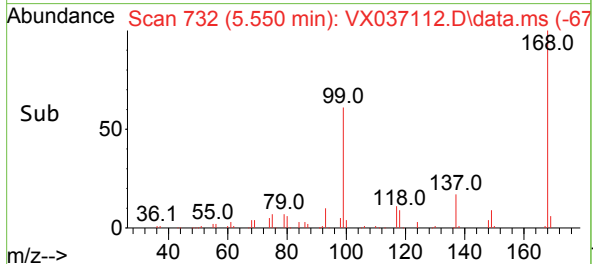


#31
Cyclohexane
Concen: 1.301 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

Instrument :
MSVOA_X
ClientSampleId :

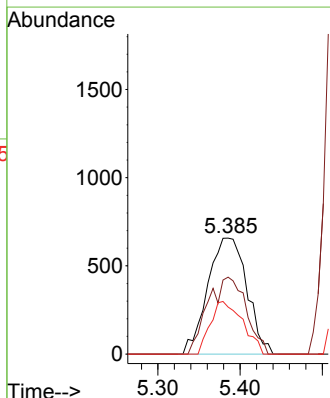
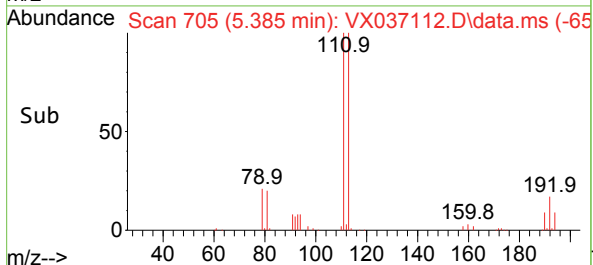
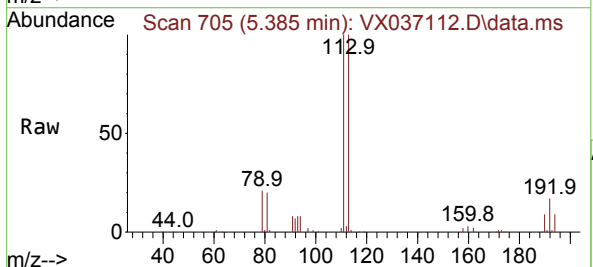


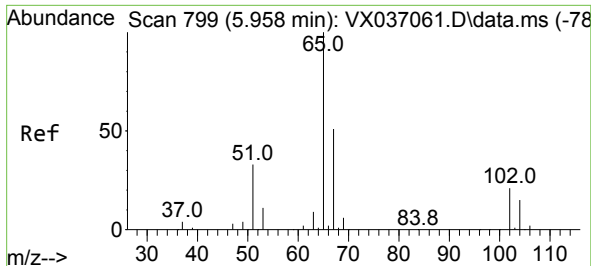
Tgt Ion: 56 Resp: 2969
Ion Ratio Lower Upper
56 100
69 176.0 23.4 35.2#
84 121.4 65.9 98.9#



#32
1,1,1-Trichloroethane
Concen: 0.749 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

Tgt Ion: 97 Resp: 2175
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 37.3 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 57.777 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037112.D

Acq: 19 Aug 2023 06:24

Instrument :

MSVOA_X

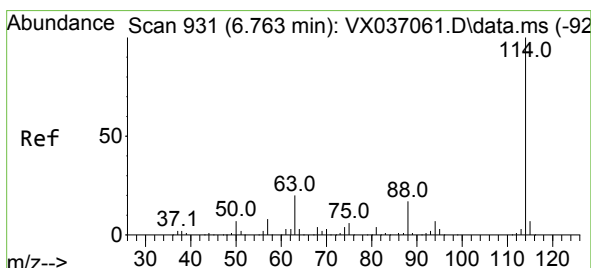
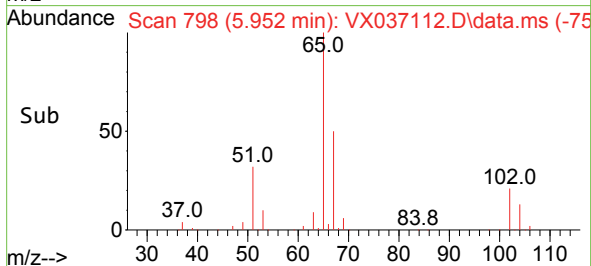
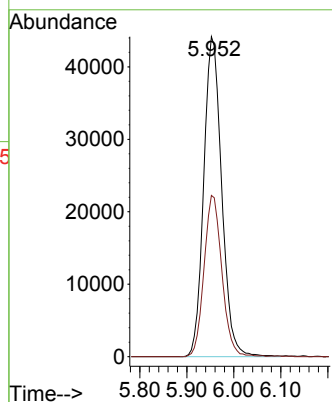
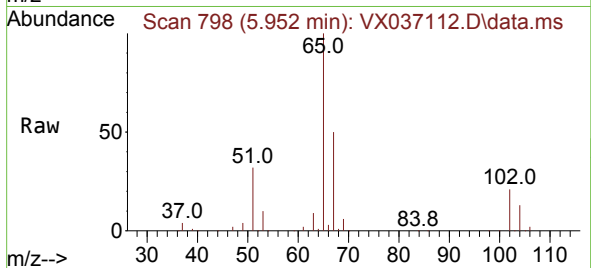
ClientSampleId :

Tgt Ion: 65 Resp: 117298

Ion Ratio Lower Upper

65 100

67 50.1 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: VX037112.D

Acq: 19 Aug 2023 06:24

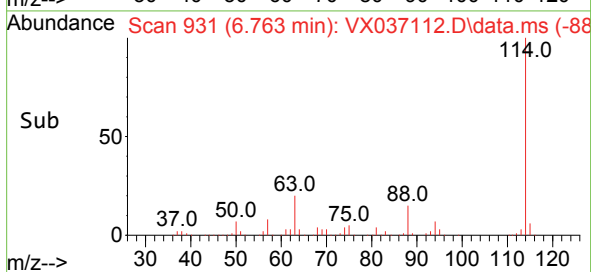
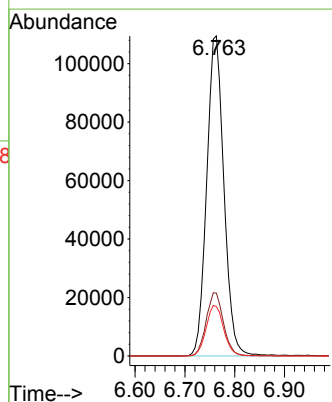
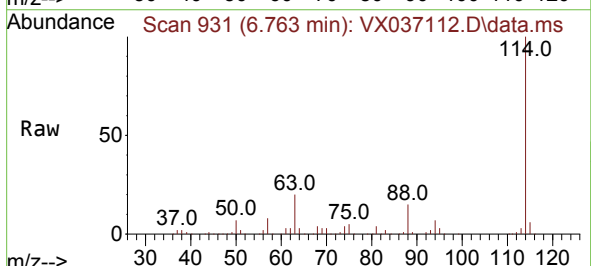
Tgt Ion: 114 Resp: 262507

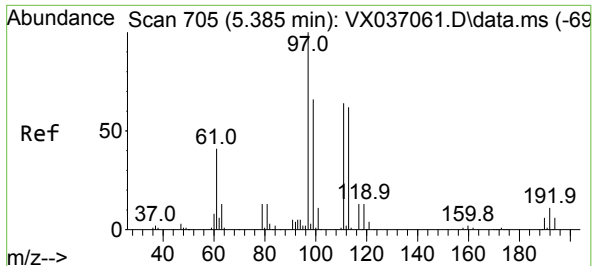
Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.0

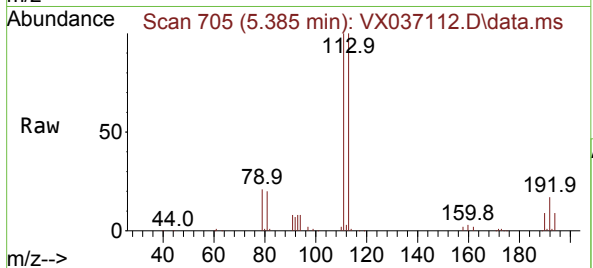
88 15.4 0.0 36.6



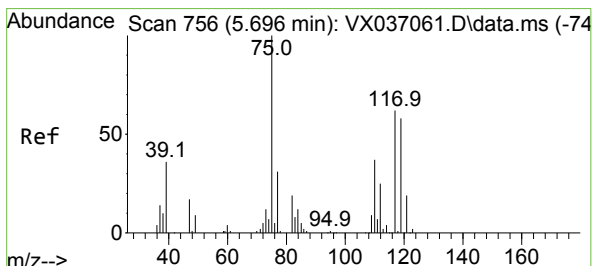
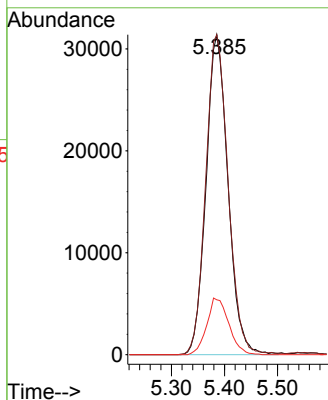
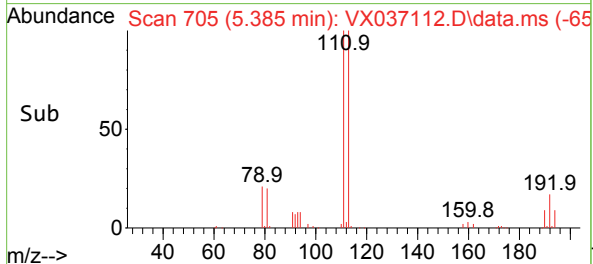


#35
Dibromofluoromethane
Concen: 51.928 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

Instrument :
MSVOA_X
ClientSampleId :

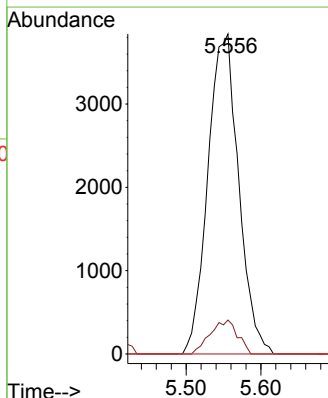
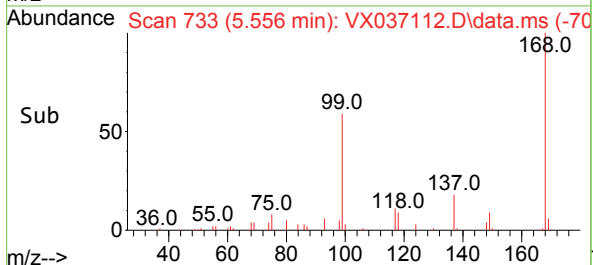
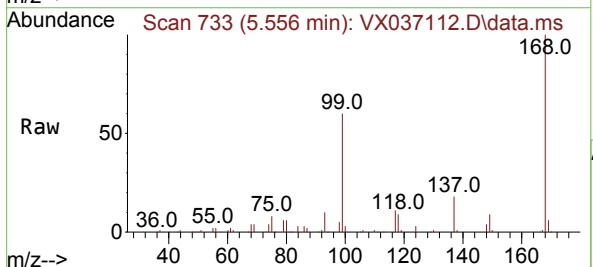


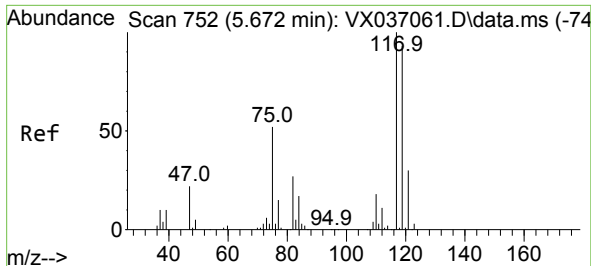
Tgt Ion:113 Resp: 90278
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 17.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.452 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

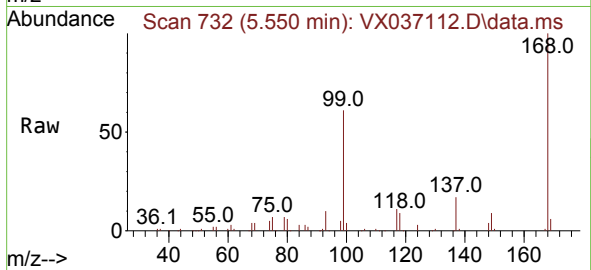
Tgt Ion: 75 Resp: 10997
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



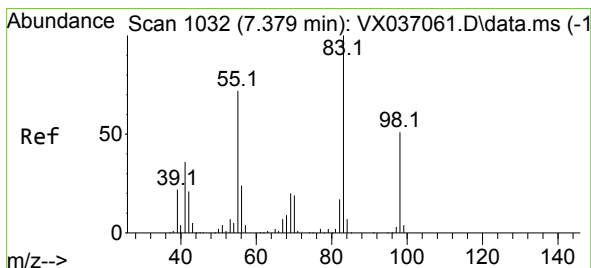
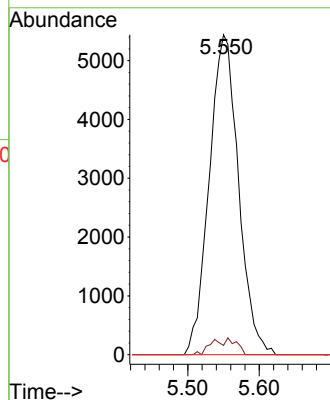
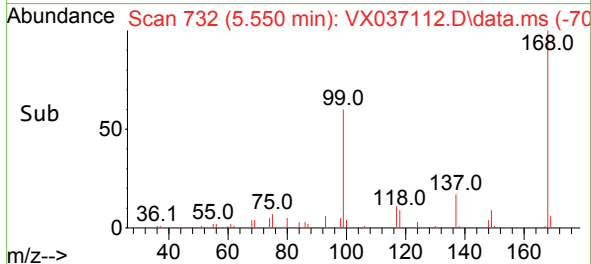


#38
Carbon Tetrachloride
Concen: 5.764 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

Instrument :
MSVOA_X
ClientSampleId :

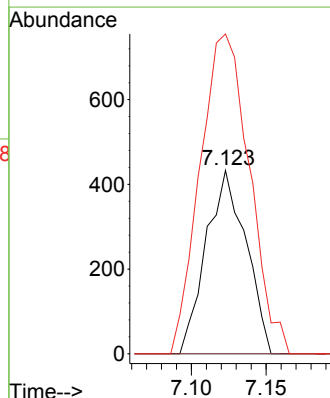
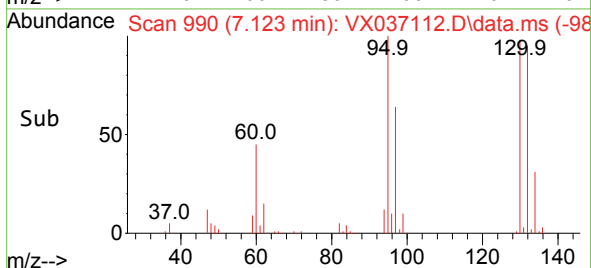
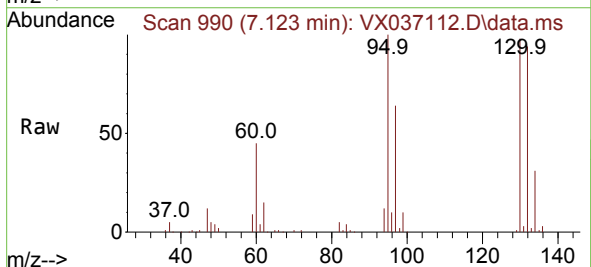


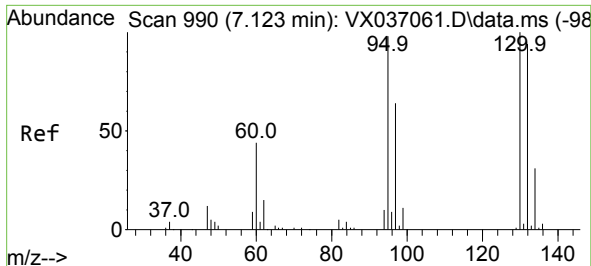
Tgt Ion:117 Resp: 15464
Ion Ratio Lower Upper
117 100
119 2.9 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.309 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

Tgt Ion: 83 Resp: 803
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 157.0 36.7 55.1#

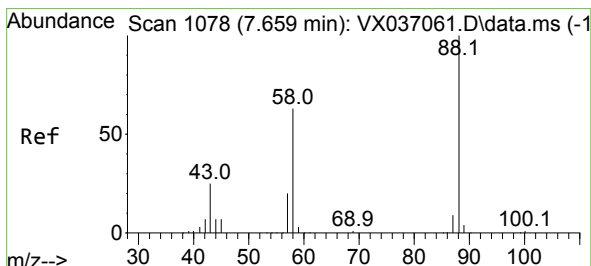
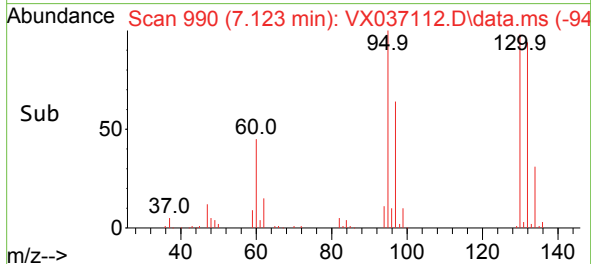
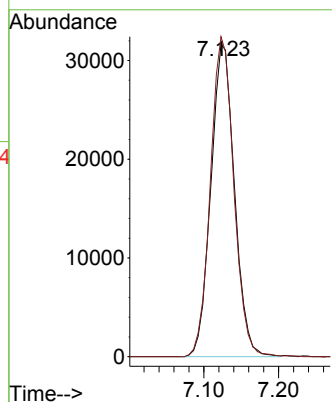
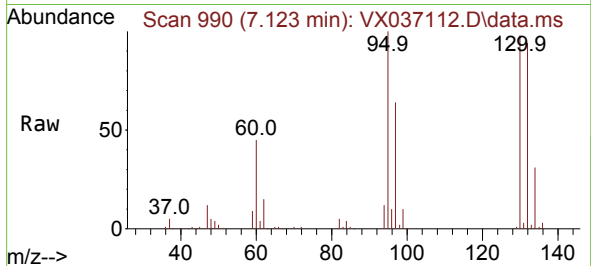




#44
Trichloroethene
Concen: 34.600 ug/l
RT: 7.123 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

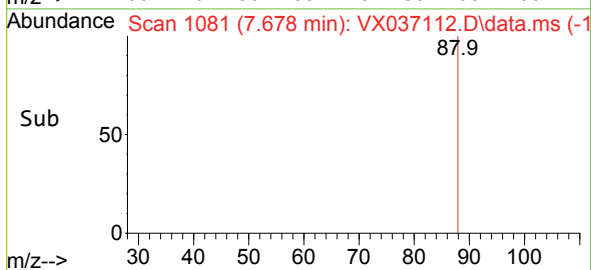
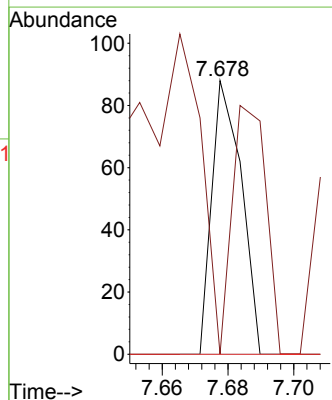
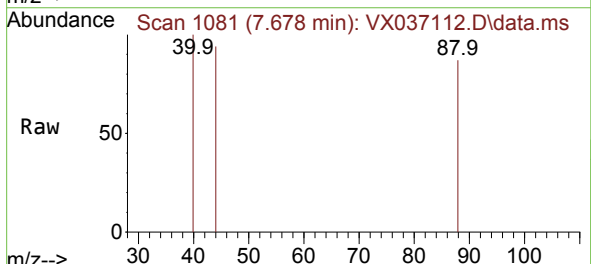
Instrument :
MSVOA_X
ClientSampleId :

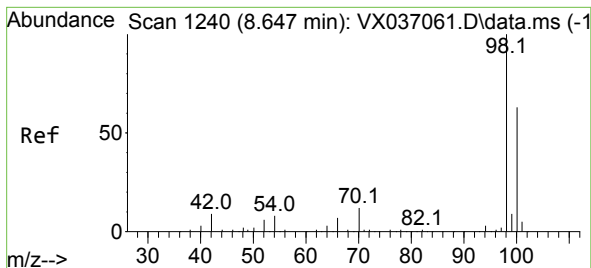
Tgt Ion:130 Resp: 69500
Ion Ratio Lower Upper
130 100
95 102.5 0.0 204.4



#49
1,4-Dioxane
Concen: 1.045 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 103.6 0.0 0.0#
58 0.0 60.1 90.1#





#50

Toluene-d8

Concen: 50.910 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037112.D

Acq: 19 Aug 2023 06:24

Instrument :

MSVOA_X

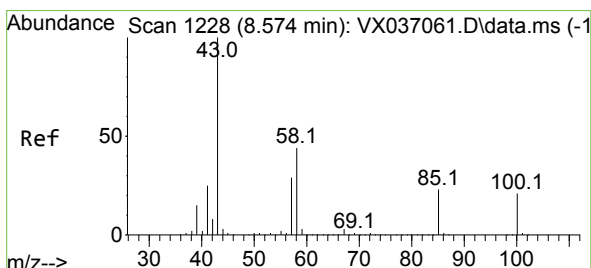
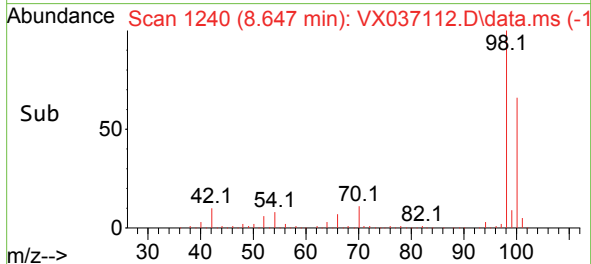
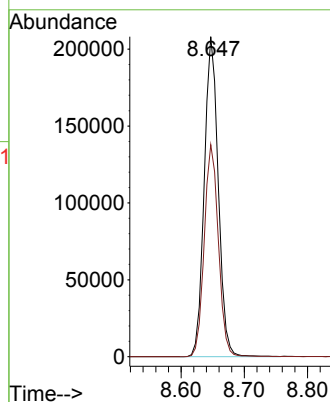
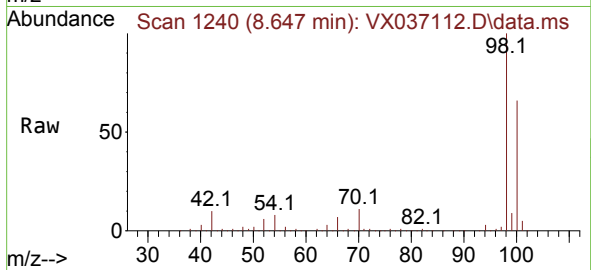
ClientSampleId :

Tgt Ion: 98 Resp: 321055

Ion Ratio Lower Upper

98 100

100 66.9 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.567 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX037112.D

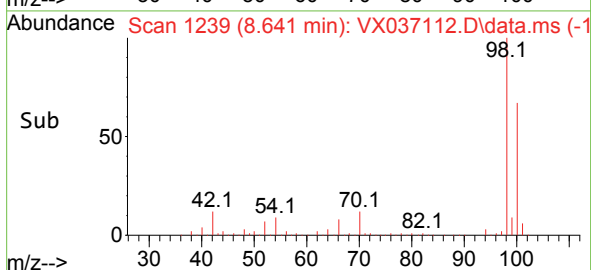
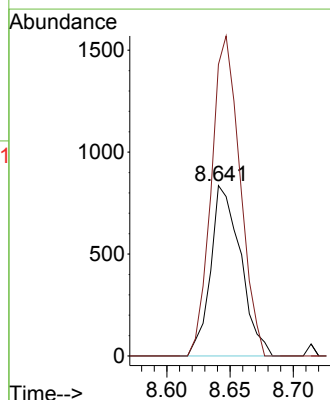
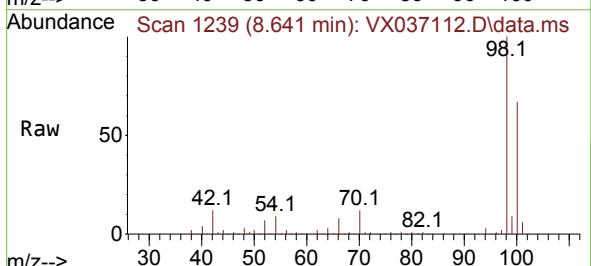
Acq: 19 Aug 2023 06:24

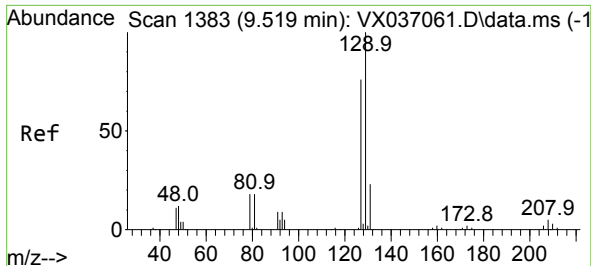
Tgt Ion: 43 Resp: 1380

Ion Ratio Lower Upper

43 100

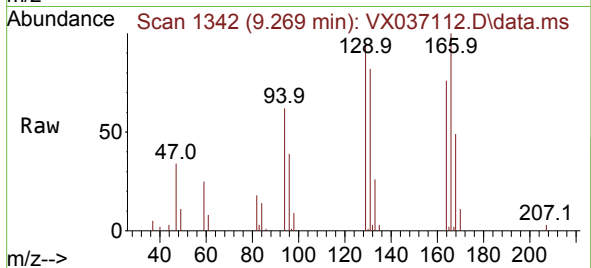
58 179.6 30.4 45.6#



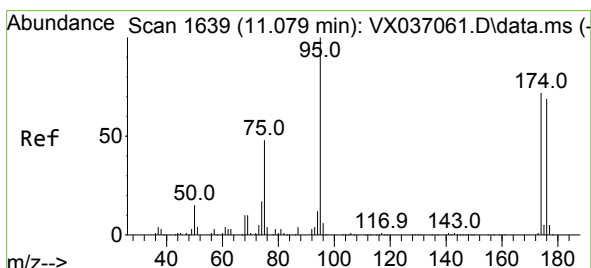
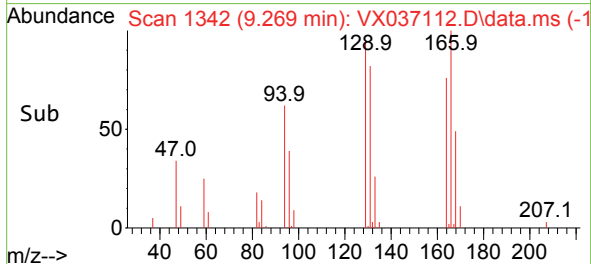
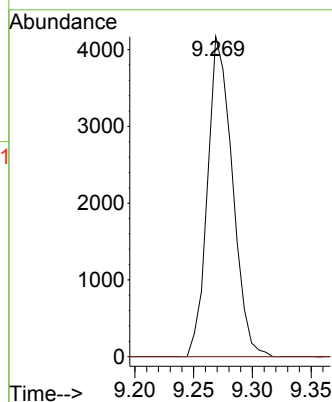


#60
Dibromochloromethane
Concen: 3.023 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

Instrument :
MSVOA_X
ClientSampleId :

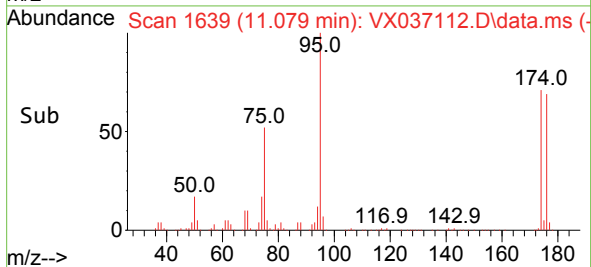
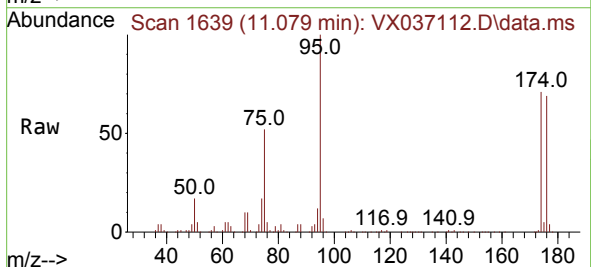
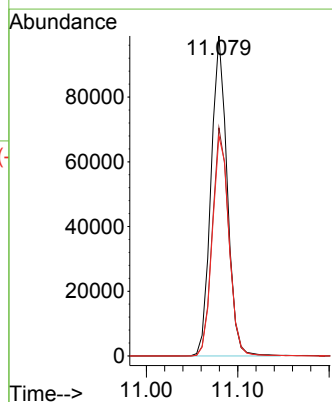


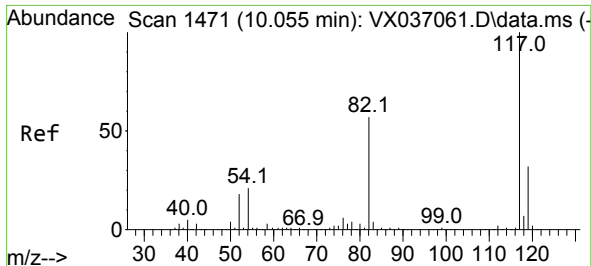
Tgt Ion:129 Resp: 6135
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.731 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

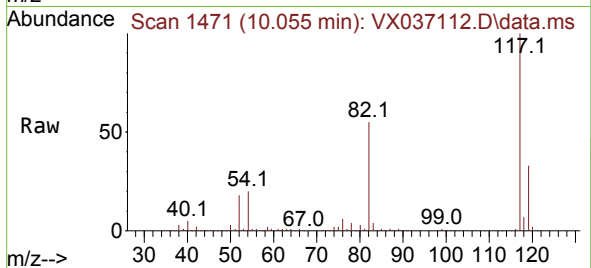
Tgt Ion: 95 Resp: 120769
Ion Ratio Lower Upper
95 100
174 72.9 0.0 135.6
176 71.4 0.0 131.0



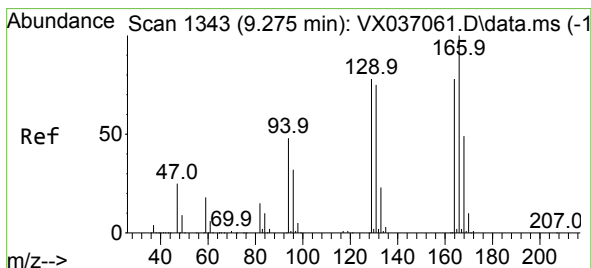
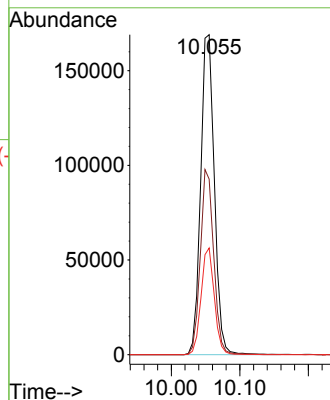
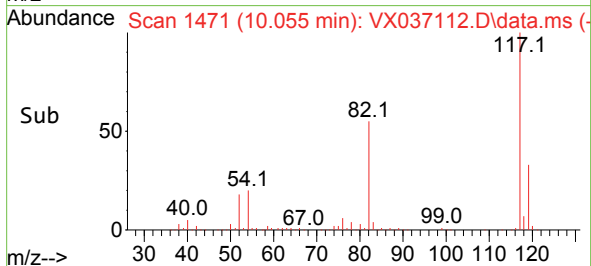


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

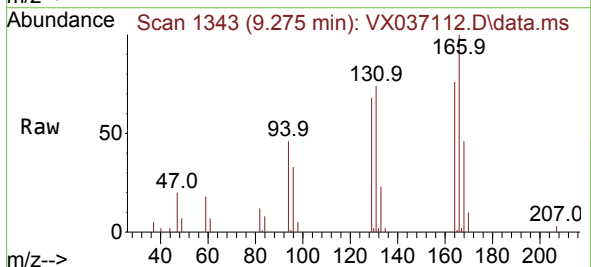
Instrument :
MSVOA_X
ClientSampleId :



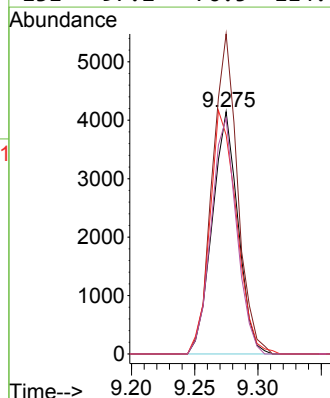
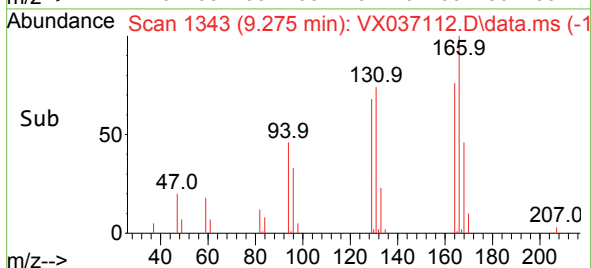
Tgt Ion:117 Resp: 236010
Ion Ratio Lower Upper
117 100
82 54.8 46.2 69.4
119 33.3 25.5 38.3

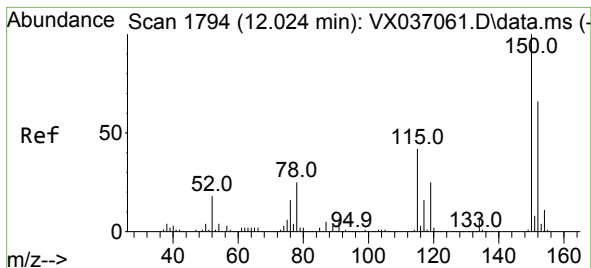


#64
Tetrachloroethene
Concen: 3.397 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24



Tgt Ion:164 Resp: 5848
Ion Ratio Lower Upper
164 100
166 132.1 102.7 154.1
129 90.4 80.4 120.6
131 97.2 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX037112.D

Acq: 19 Aug 2023 06:24

Instrument :

MSVOA_X

ClientSampleId :

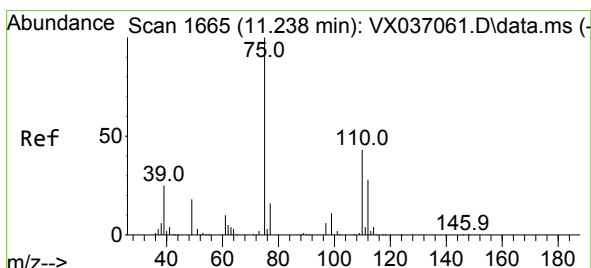
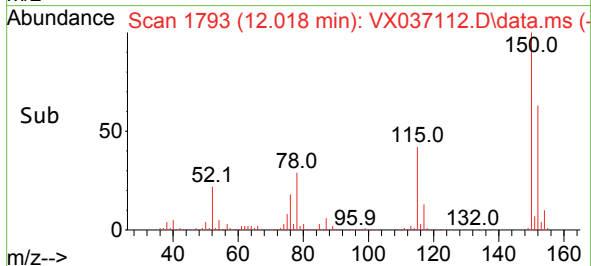
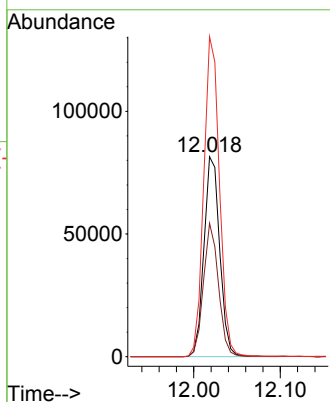
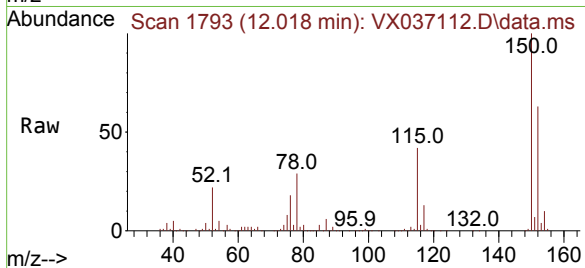
Tgt Ion:152 Resp: 103152

Ion Ratio Lower Upper

152 100

115 63.8 43.3 129.9

150 159.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 28.479 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037112.D

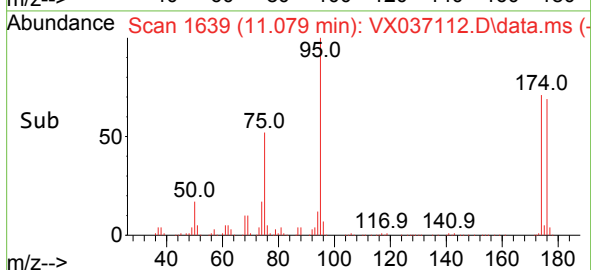
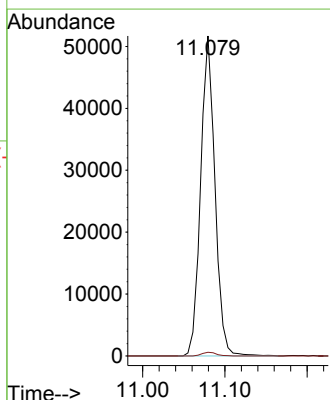
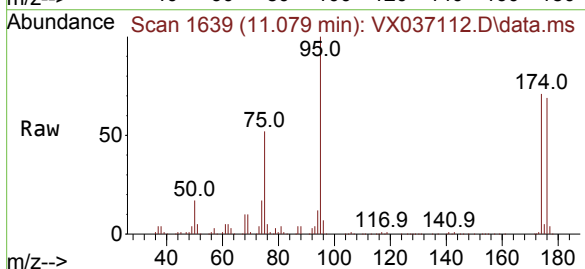
Acq: 19 Aug 2023 06:24

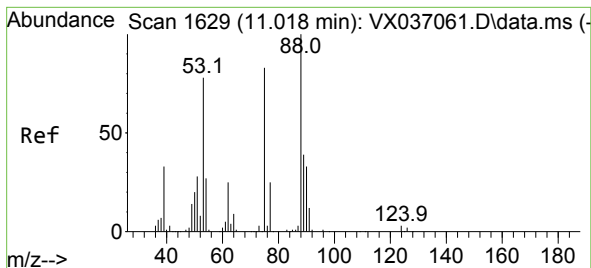
Tgt Ion: 75 Resp: 62563

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

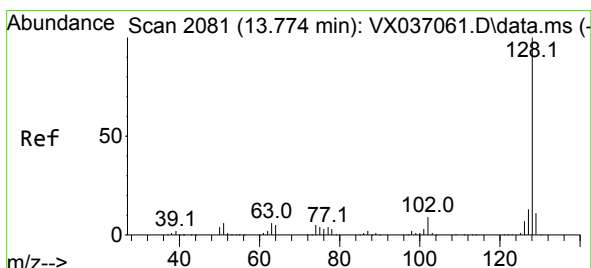
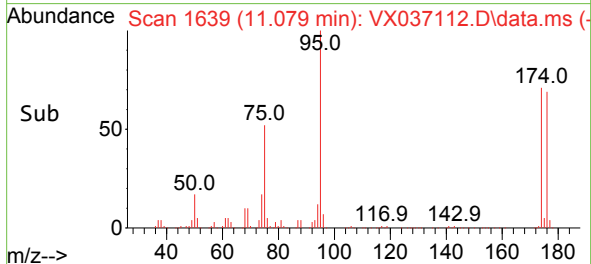
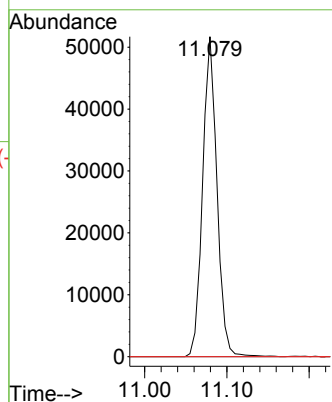
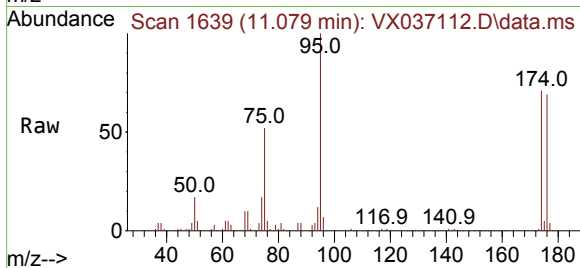




#81
trans-1,4-Dichloro-2-butene
Concen: 79.544 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 62563
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.233 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037112.D
Acq: 19 Aug 2023 06:24

Tgt Ion: 128 Resp: 2009
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 8.8 8.8 13.2

