

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082523\
 Data File : VX037263.D
 Acq On : 25 Aug 2023 11:55
 Operator : JC/MD
 Sample : 04051-20DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20230816DL

Quant Time: Aug 26 02:18:44 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)

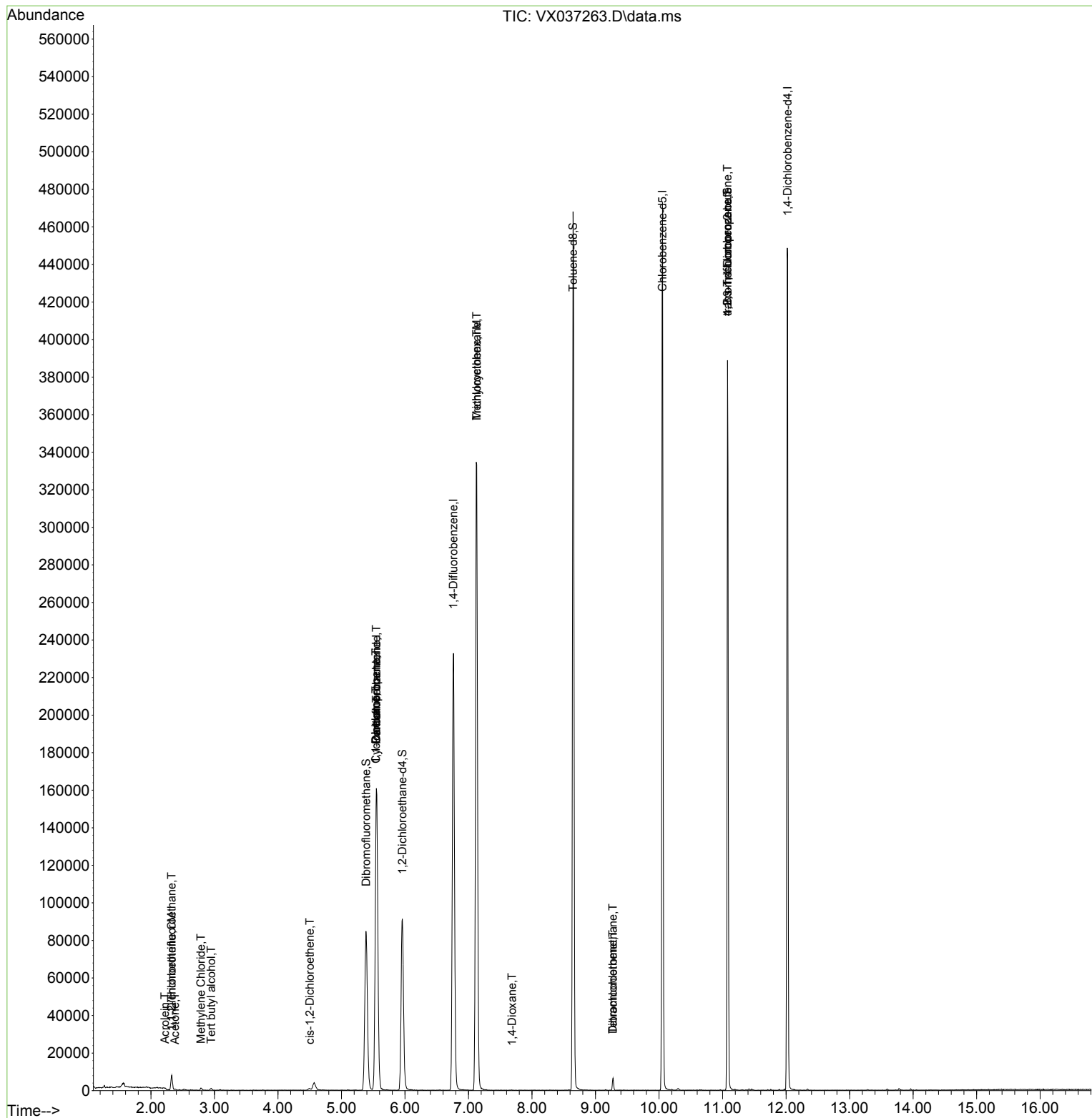
Internal Standards						
1) Pentafluorobenzene	5.550	168	150645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	244971	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93123	42.878	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.760%
35) Dibromofluoromethane	5.385	113	75592	46.593	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.180%
50) Toluene-d8	8.647	98	286804	48.735	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.460%
62) 4-Bromofluorobenzene	11.079	95	106114	45.883	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.760%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	2115	1.328	ug/l	88
11) Tert butyl alcohol	2.946	59	608	1.193	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	1250	0.806	ug/l #	73
13) Acrolein	2.221	56	150	0.387	ug/l	92
16) Acetone	2.379	43	646	0.760	ug/l #	87
20) Methylene Chloride	2.788	84	689	0.363	ug/l	93
27) cis-1,2-Dichloroethene	4.501	96	718	0.345	ug/l	89
31) Cyclohexane	5.544	56	3107	1.272	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11885	5.156	ug/l #	51
38) Carbon Tetrachloride	5.550	117	16123	6.439	ug/l #	15
39) Methylcyclohexane	7.129	83	1640	0.677	ug/l #	1
44) Trichloroethene	7.129	130	135067	72.055	ug/l	92
49) 1,4-Dioxane	7.683	88	78	1.589	ug/l #	92
60) Dibromochloromethane	9.275	129	1133	0.598	ug/l #	11
64) Tetrachloroethene	9.275	164	1150	0.716	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	53086	25.938	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	53086	72.446	ug/l #	5

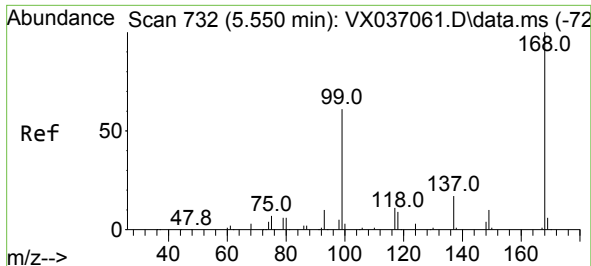
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE120D1-20230816DL

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Quant Title : SW846 8260
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Response via : Initial Calibration

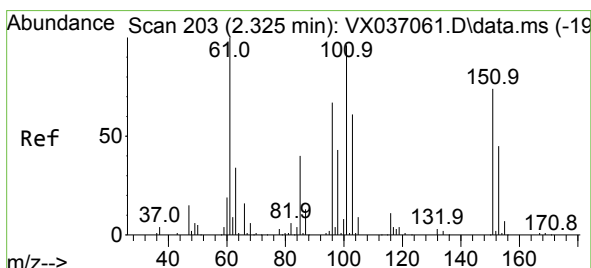
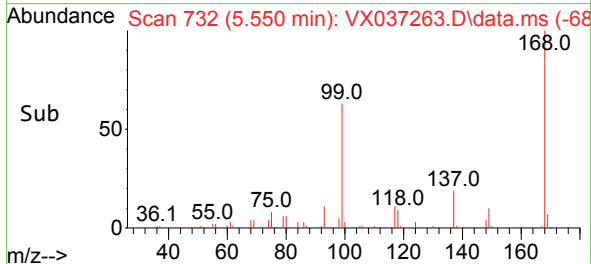
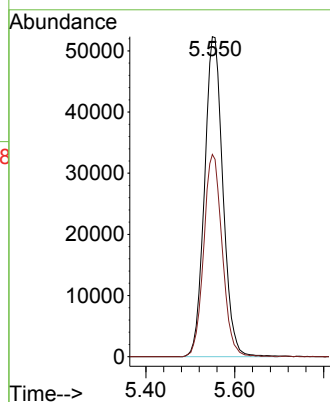
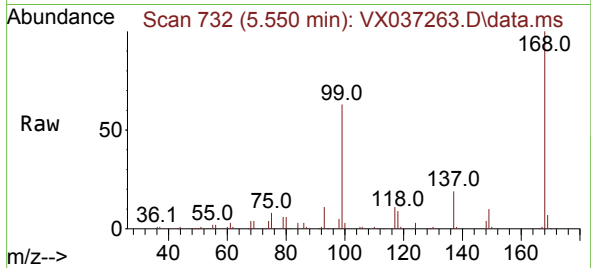




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

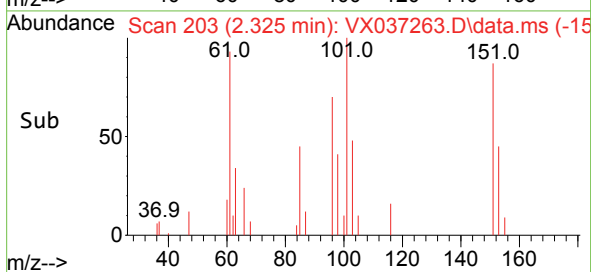
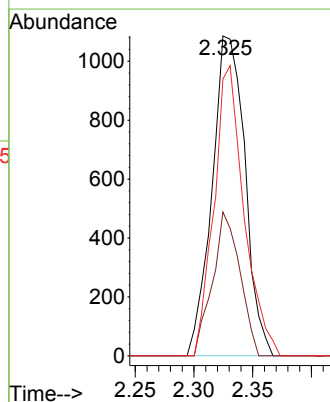
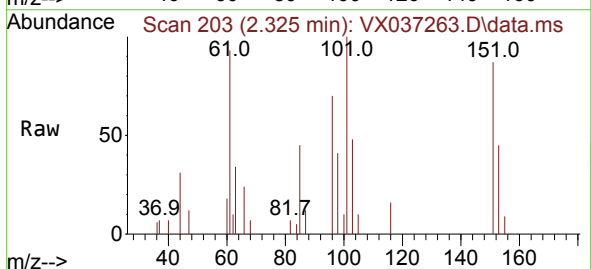
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20230816DL

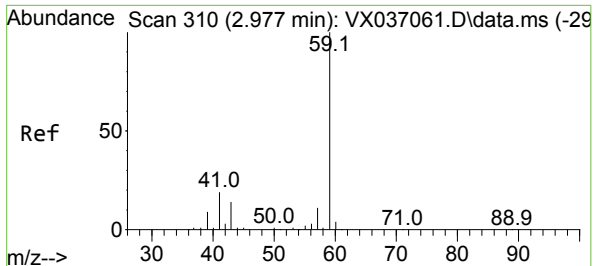
Tgt Ion:168 Resp: 150645
Ion Ratio Lower Upper
168 100
99 63.2 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.328 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

Tgt Ion:101 Resp: 2115
Ion Ratio Lower Upper
101 100
85 37.3 37.0 55.6
151 82.7 58.6 87.8





#11

Tert butyl alcohol

Concen: 1.193 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.031 min

Lab File: VX037263.D

Acq: 25 Aug 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

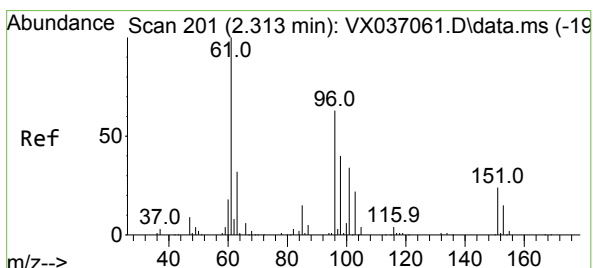
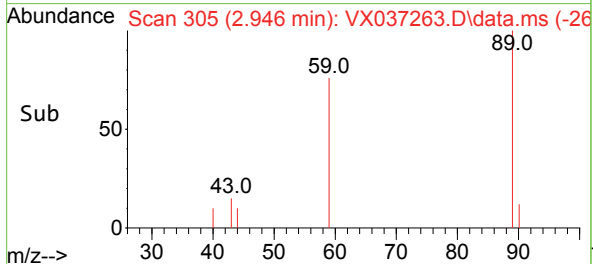
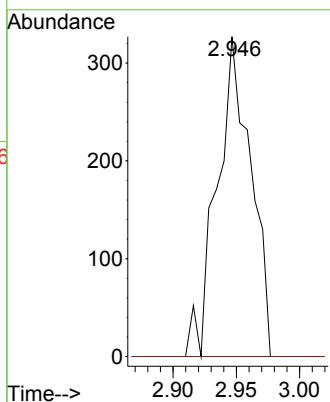
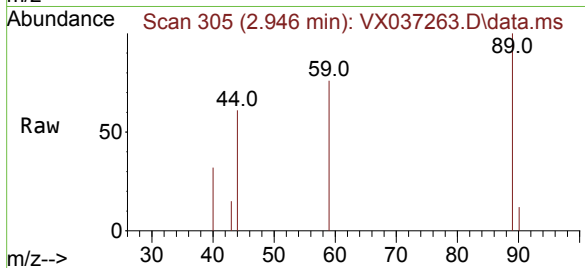
RE120D1-20230816DL

Tgt Ion: 59 Resp: 608

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.806 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.012 min

Lab File: VX037263.D

Acq: 25 Aug 2023 11:55

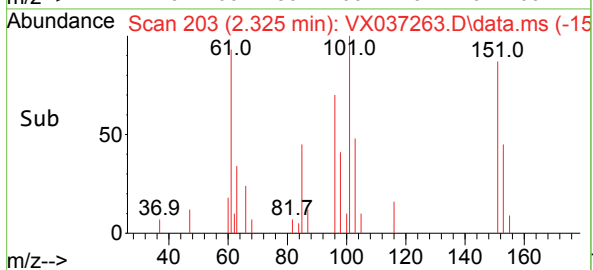
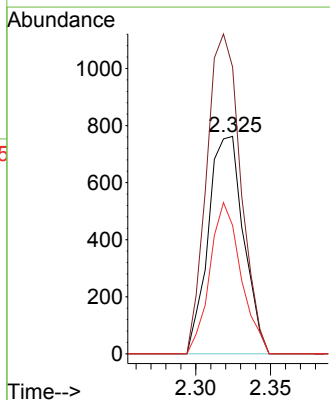
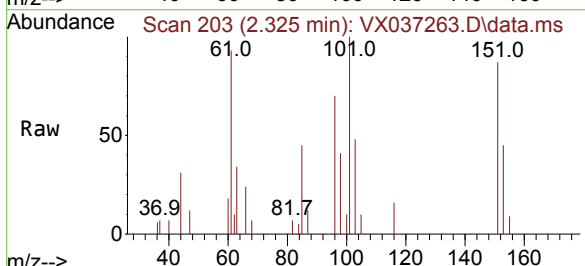
Tgt Ion: 96 Resp: 1250

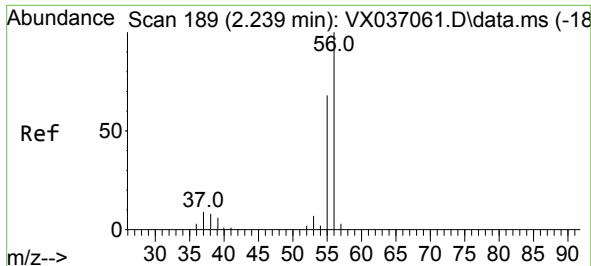
Ion Ratio Lower Upper

96 100

61 131.9 144.6 216.8#

98 59.1 50.4 75.6





#13

Acrolein

Concen: 0.387 ug/l

RT: 2.221 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX037263.D

Acq: 25 Aug 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

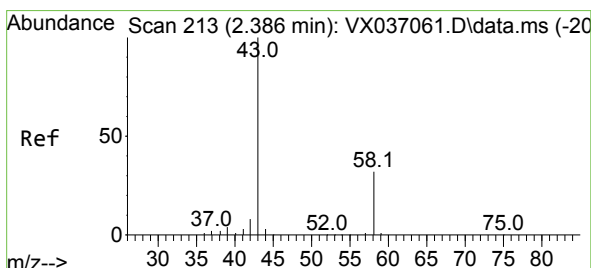
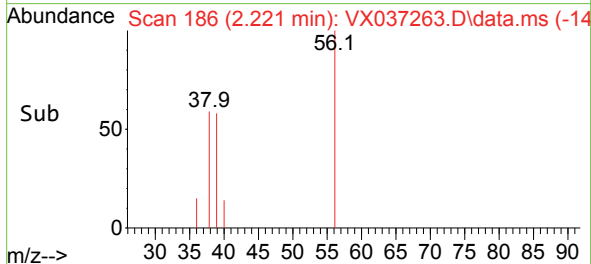
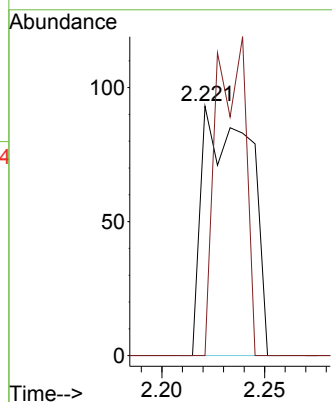
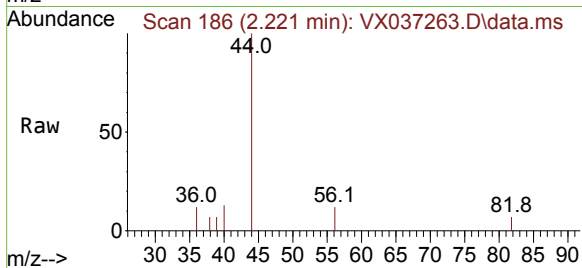
RE120D1-20230816DL

Tgt Ion: 56 Resp: 150

Ion Ratio Lower Upper

56 100

55 78.0 57.1 85.7



#16

Acetone

Concen: 0.760 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037263.D

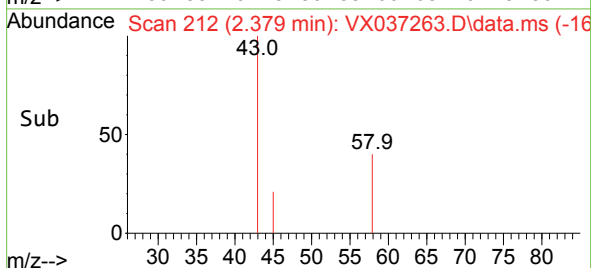
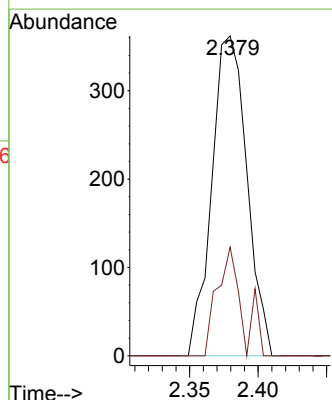
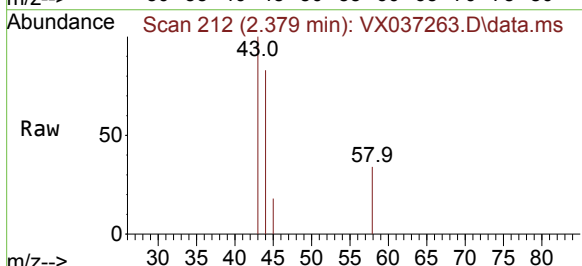
Acq: 25 Aug 2023 11:55

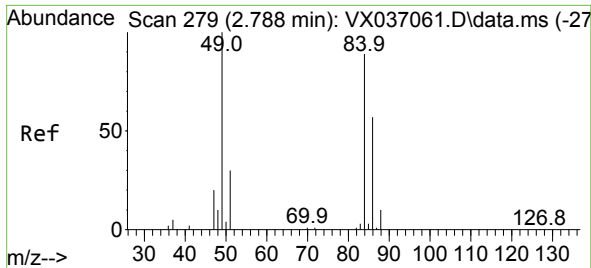
Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

43 100

58 34.0 21.9 32.9#

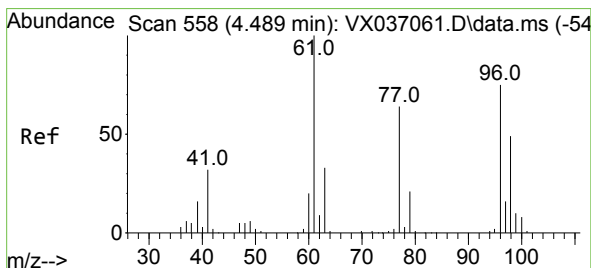
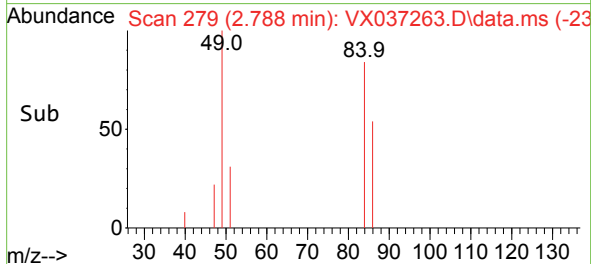
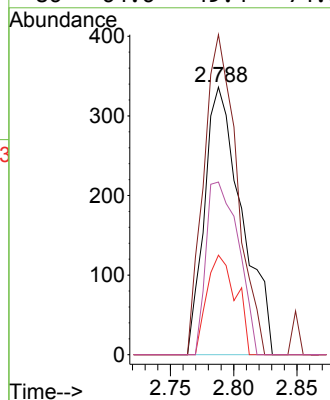
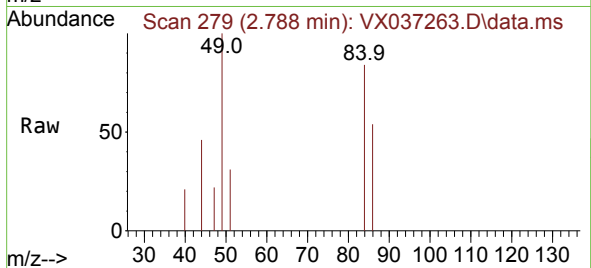




#20
Methylene Chloride
Concen: 0.363 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

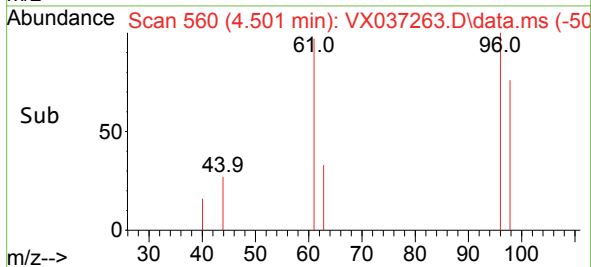
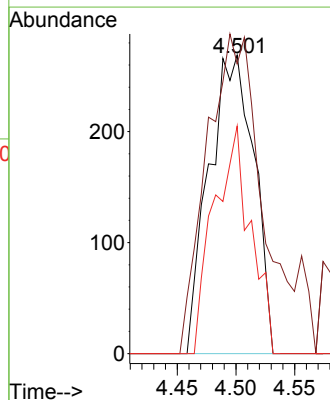
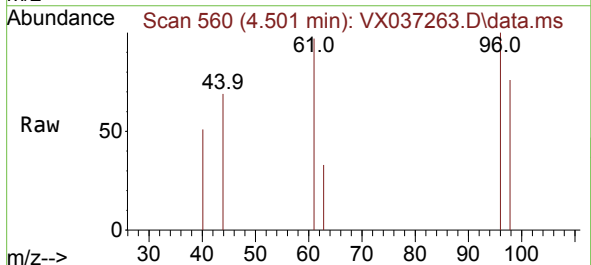
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20230816DL

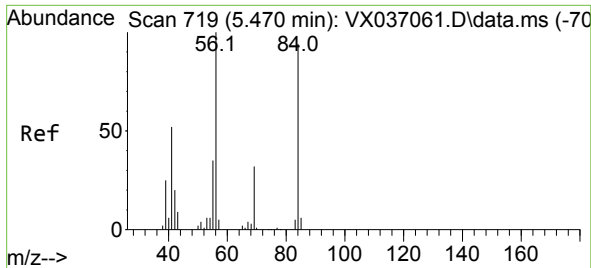
Tgt Ion: 84	Resp: 689
Ion Ratio	Lower Upper
84 100	
49 119.6	103.6 155.4
51 37.2	33.8 50.6
86 64.6	49.4 74.0



#27
cis-1,2-Dichloroethene
Concen: 0.345 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

Tgt Ion: 96	Resp: 718		
Ion Ratio	Lower	Upper	
96 100			
61 137.3	0.0	312.2	
98 62.1	0.0	129.0	

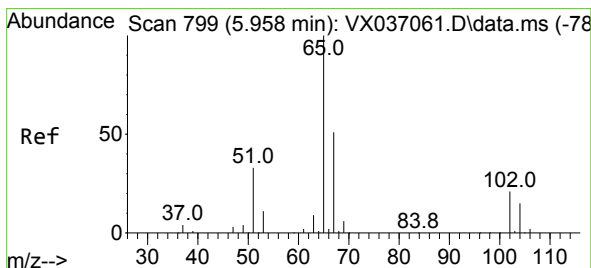
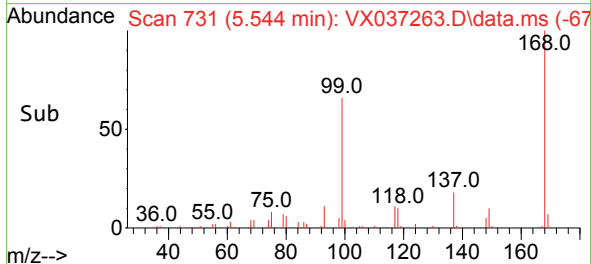
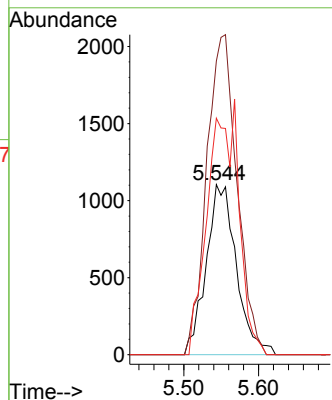
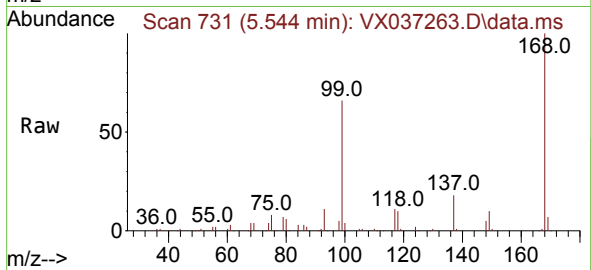




#31
Cyclohexane
Concen: 1.272 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

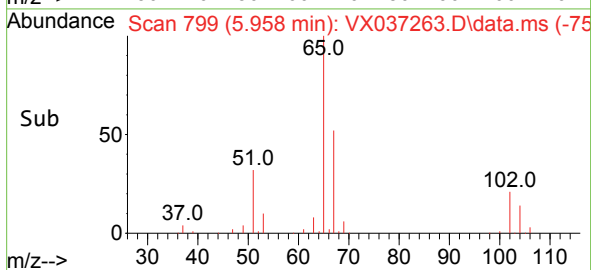
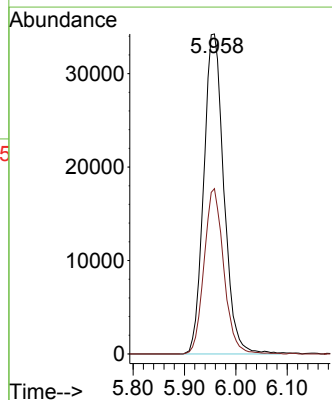
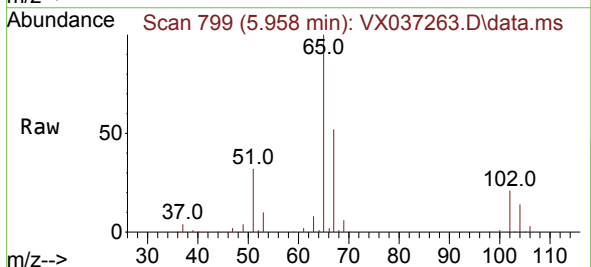
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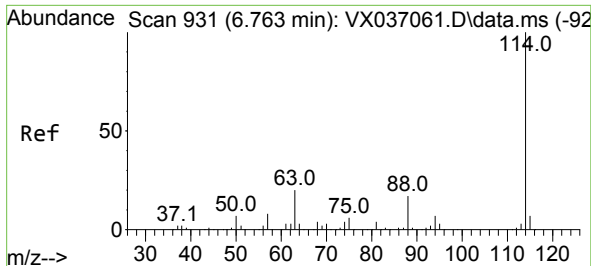
Tgt Ion: 56 Resp: 3107
Ion Ratio Lower Upper
56 100
69 172.6 23.4 35.2#
84 139.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.878 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

Tgt Ion: 65 Resp: 93123
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.2

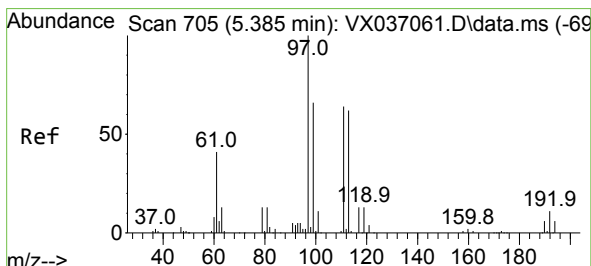
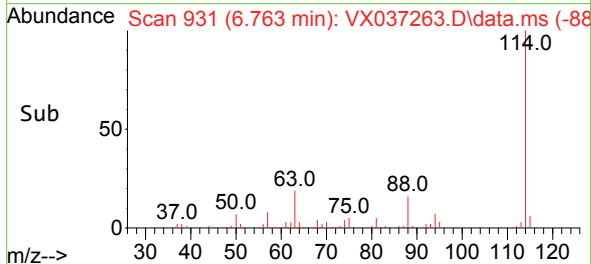
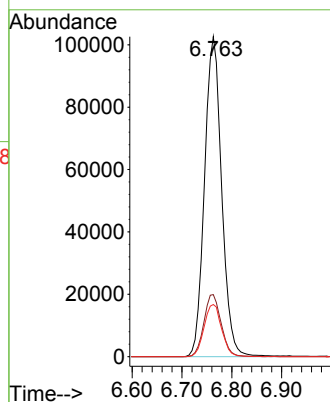
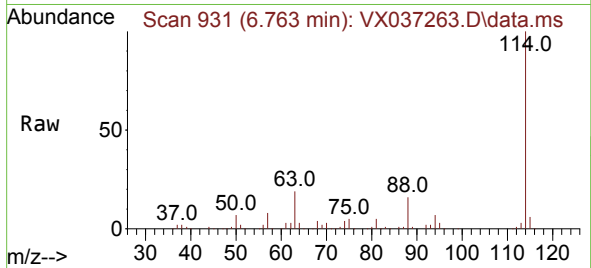




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

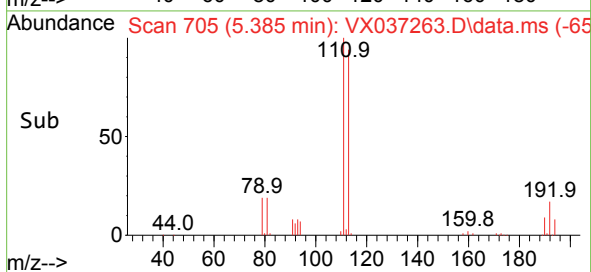
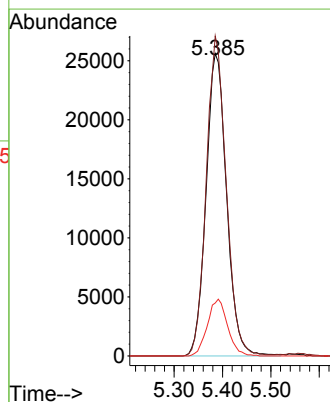
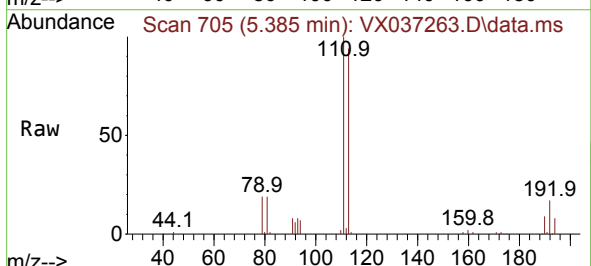
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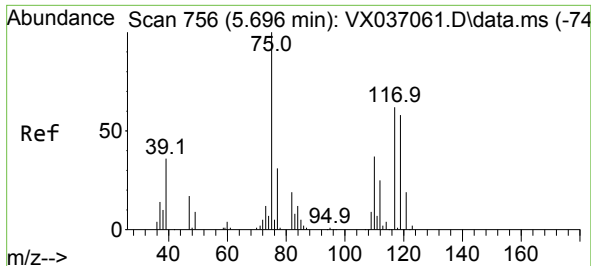
Tgt Ion:114 Resp: 244971
Ion Ratio Lower Upper
114 100
63 19.4 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.593 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

Tgt Ion:113 Resp: 75592
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.5 13.3 19.9

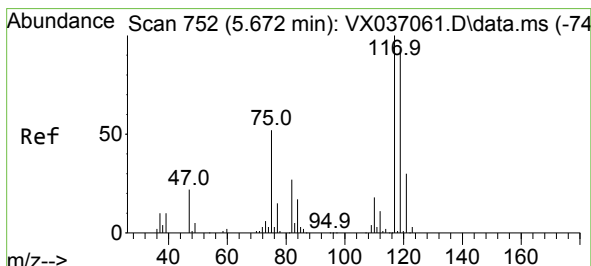
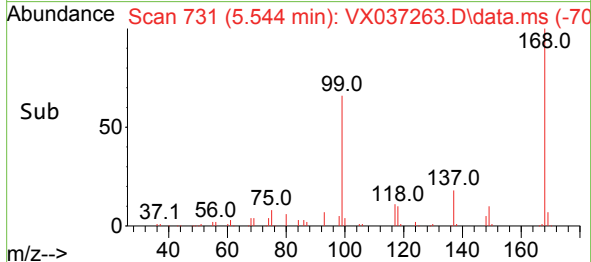
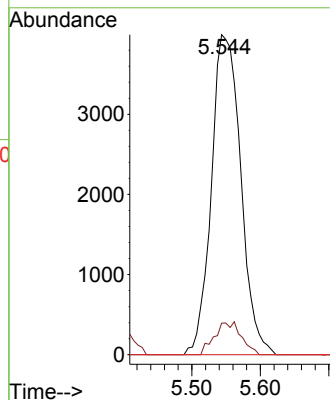
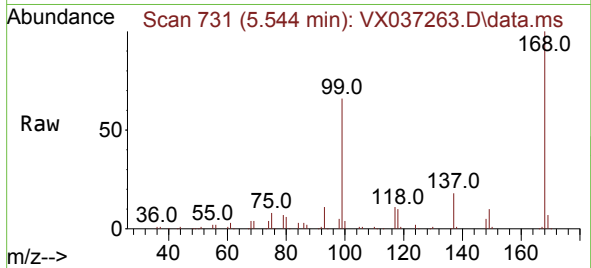




#36
1,1-Dichloropropene
Concen: 5.156 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.153 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

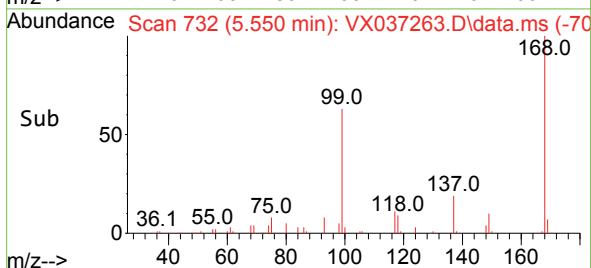
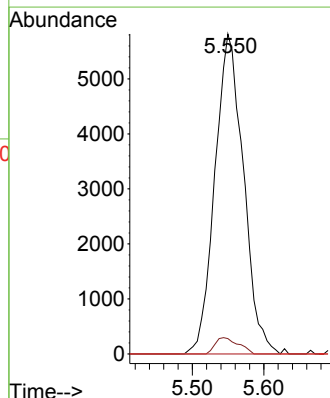
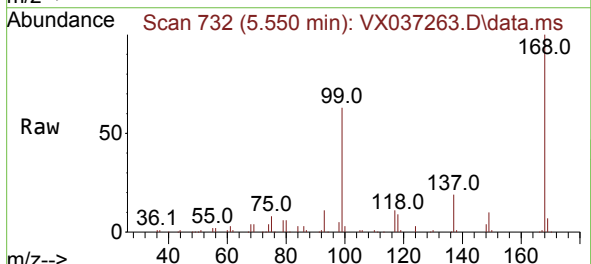
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20230816DL

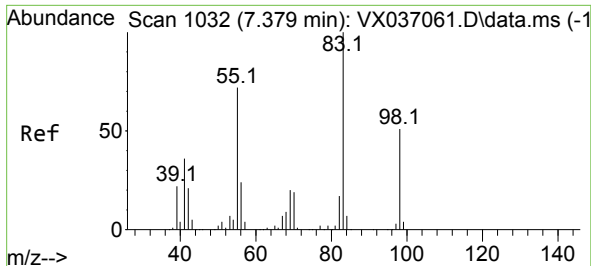
Tgt Ion: 75 Resp: 11885
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.439 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

Tgt Ion: 117 Resp: 16123
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.677 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.250 min

Lab File: VX037263.D

Acq: 25 Aug 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20230816DL

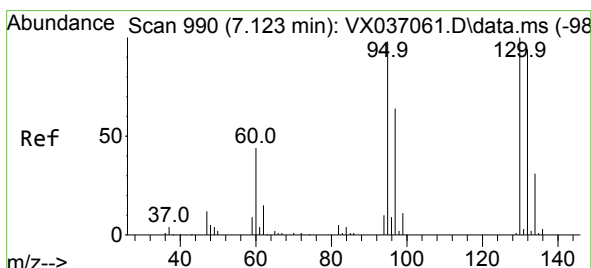
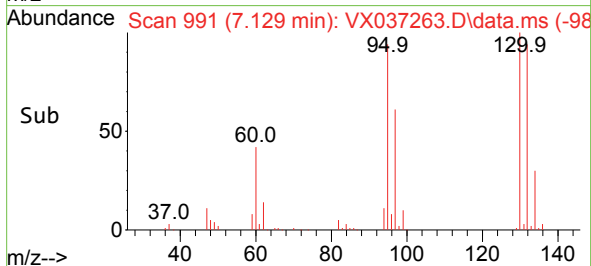
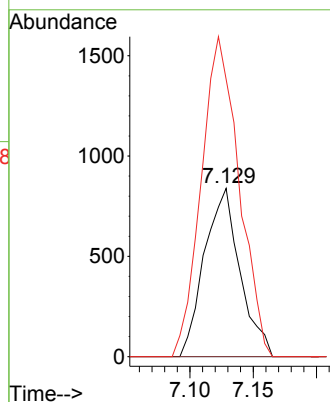
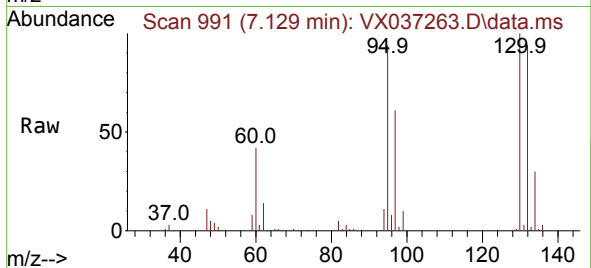
Tgt Ion: 83 Resp: 1640

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 164.8 36.7 55.1#



#44

Trichloroethene

Concen: 72.055 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037263.D

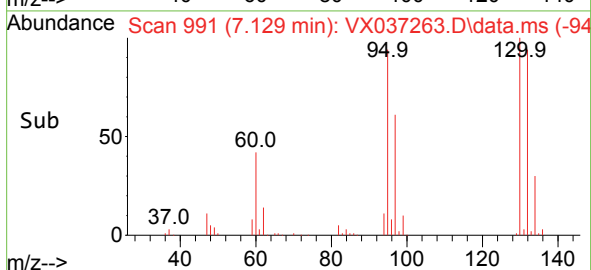
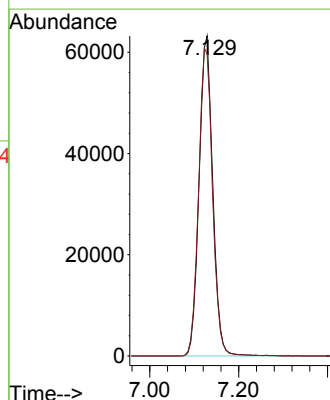
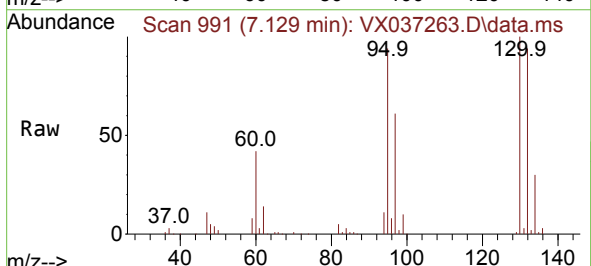
Acq: 25 Aug 2023 11:55

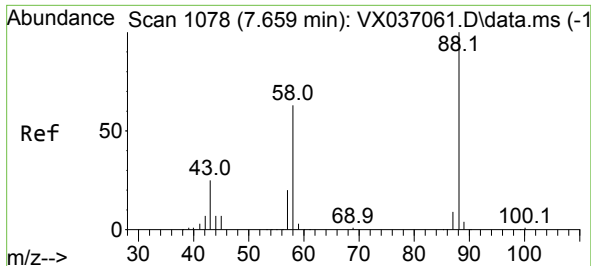
Tgt Ion:130 Resp: 135067

Ion Ratio Lower Upper

130 100

95 94.4 0.0 204.4





#49

1,4-Dioxane

Concen: 1.589 ug/l

RT: 7.683 min Scan# 1082

Delta R.T. 0.024 min

Lab File: VX037263.D

Acq: 25 Aug 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20230816DL

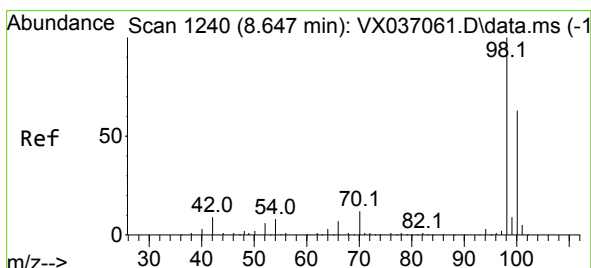
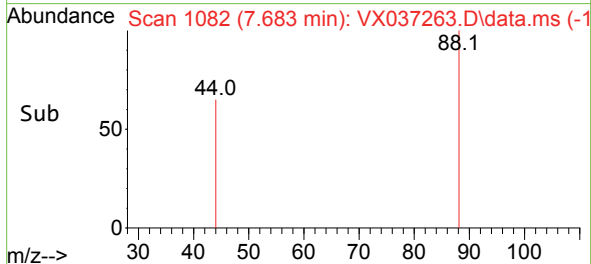
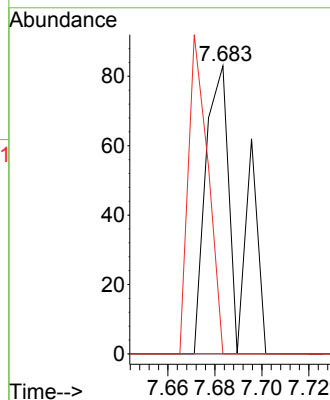
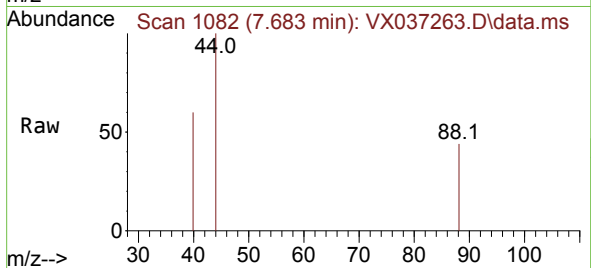
Tgt Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 67.9 60.1 90.1



#50

Toluene-d8

Concen: 48.735 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX037263.D

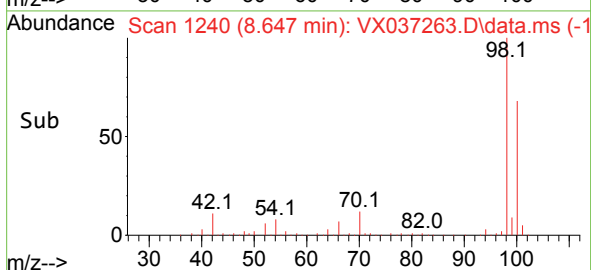
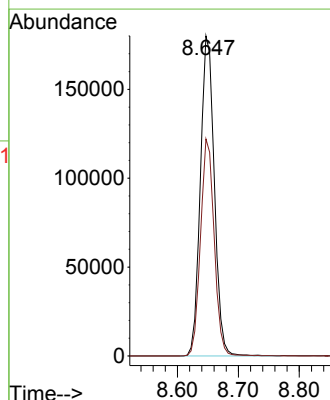
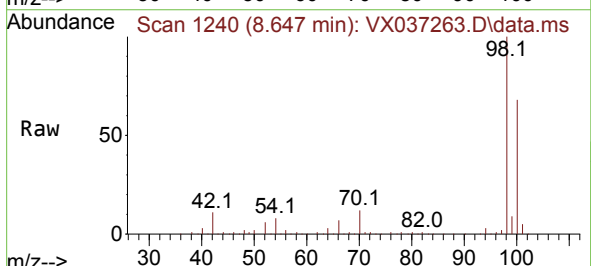
Acq: 25 Aug 2023 11:55

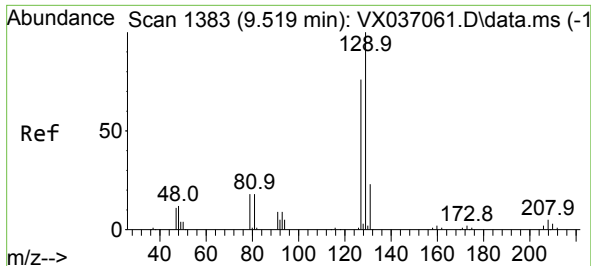
Tgt Ion: 98 Resp: 286804

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7

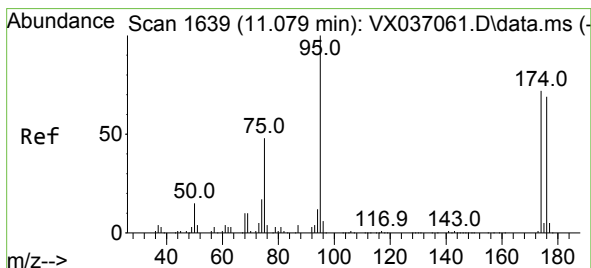
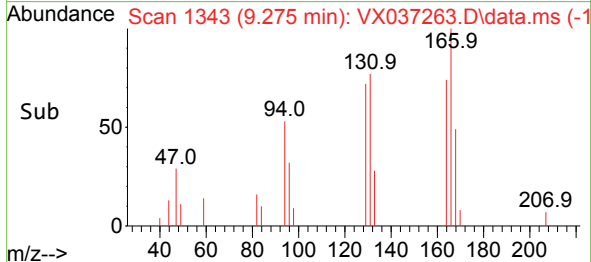
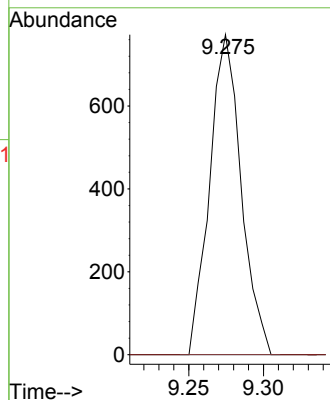
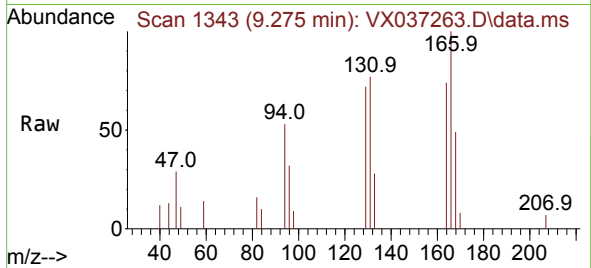




#60
Dibromochloromethane
Concen: 0.598 ug/l
RT: 9.275 min Scan# 1133
Delta R.T. -0.244 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

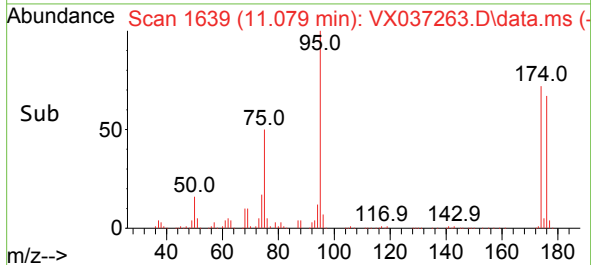
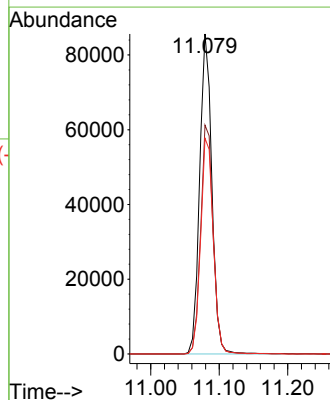
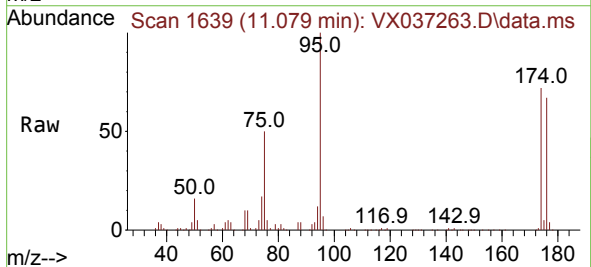
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20230816DL

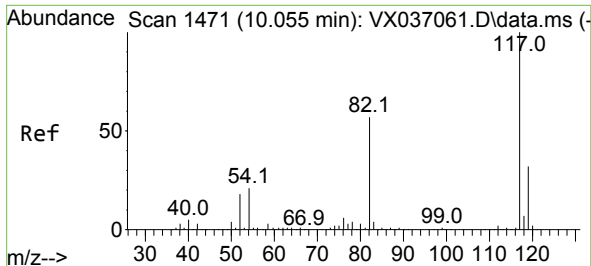
Tgt Ion:129 Resp: 1133
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.883 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

Tgt Ion: 95 Resp: 106114
Ion Ratio Lower Upper
95 100
174 73.4 0.0 135.6
176 69.9 0.0 131.0

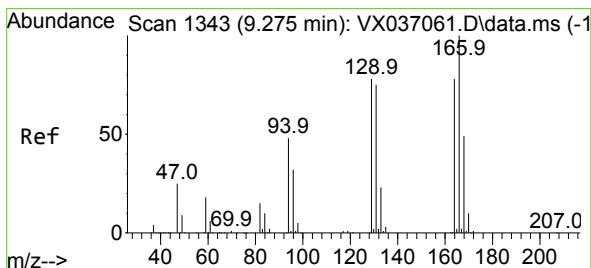
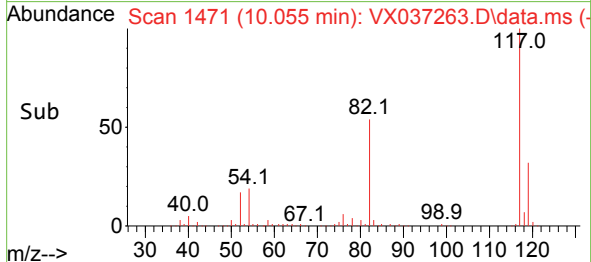
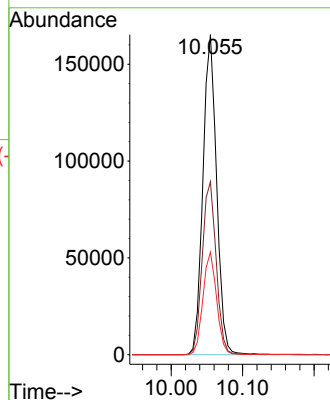
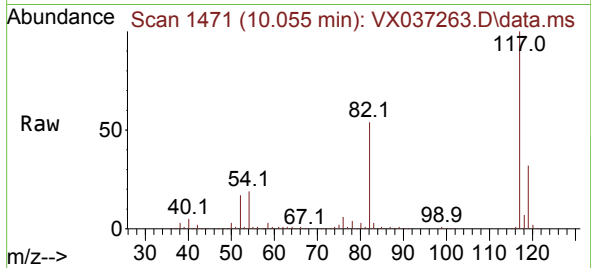




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

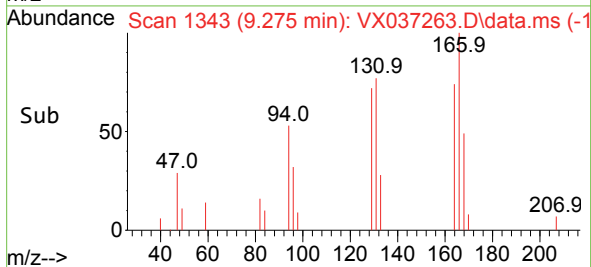
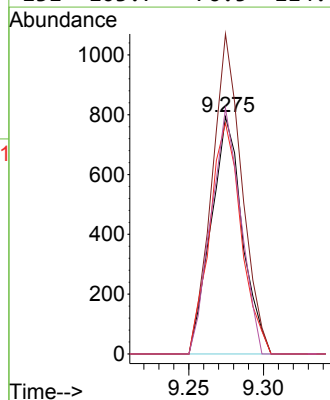
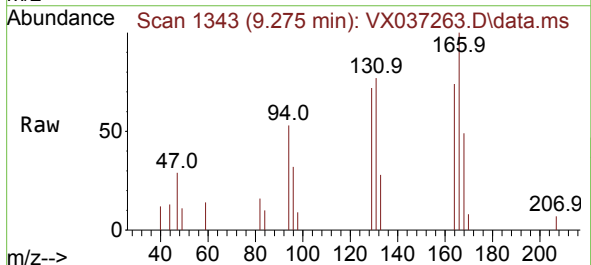
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20230816DL

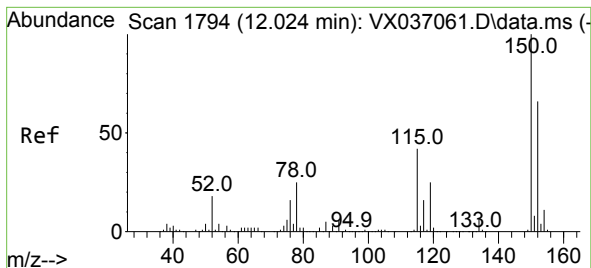
Tgt Ion:117 Resp: 220150
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 0.716 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037263.D
Acq: 25 Aug 2023 11:55

Tgt Ion:164 Resp: 1150
Ion Ratio Lower Upper
164 100
166 134.9 102.7 154.1
129 97.4 80.4 120.6
131 103.7 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: VX037263.D

Acq: 25 Aug 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20230816DL

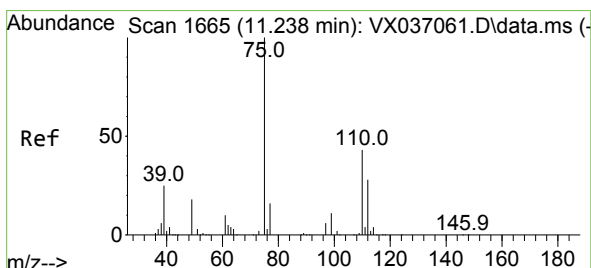
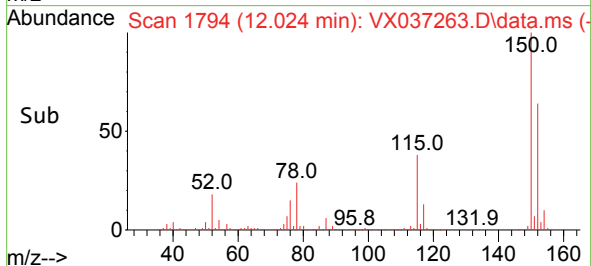
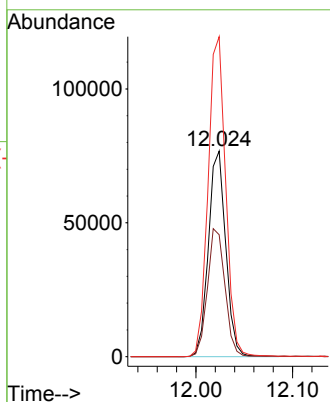
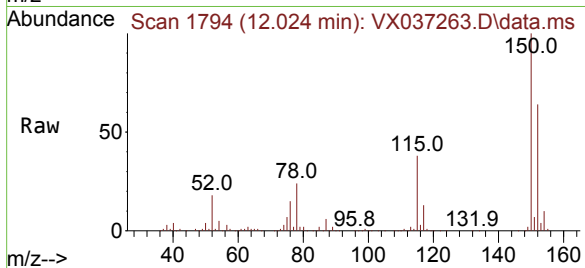
Tgt Ion:152 Resp: 96102

Ion Ratio Lower Upper

152 100

115 63.0 43.3 129.9

150 158.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.938 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037263.D

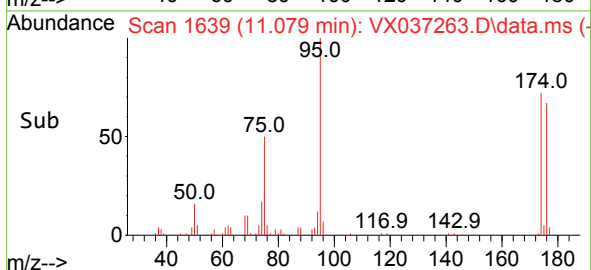
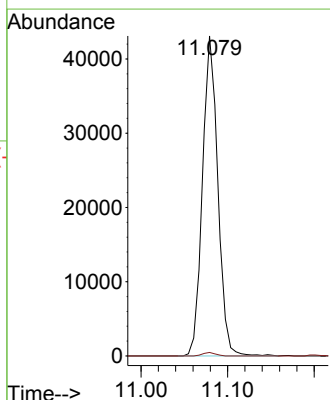
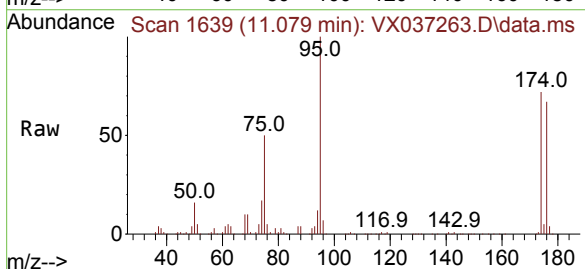
Acq: 25 Aug 2023 11:55

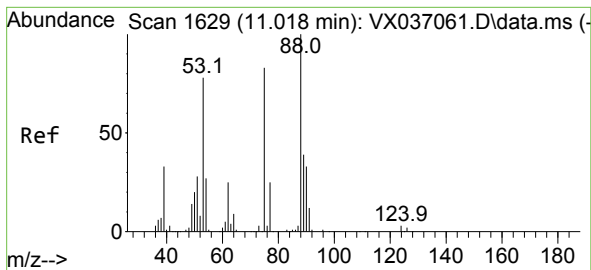
Tgt Ion: 75 Resp: 53086

Ion Ratio Lower Upper

75 100

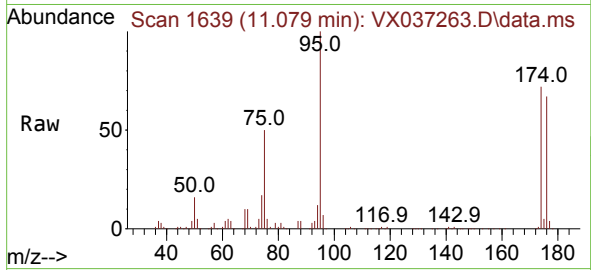
77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.446 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037263.D
 Acq: 25 Aug 2023 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20230816DL



Tgt Ion: 75 Resp: 53086
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

