

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082223\
 Data File : VX037163.D
 Acq On : 22 Aug 2023 19:42
 Operator : JC/MD
 Sample : 04051-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 23 01:47:41 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

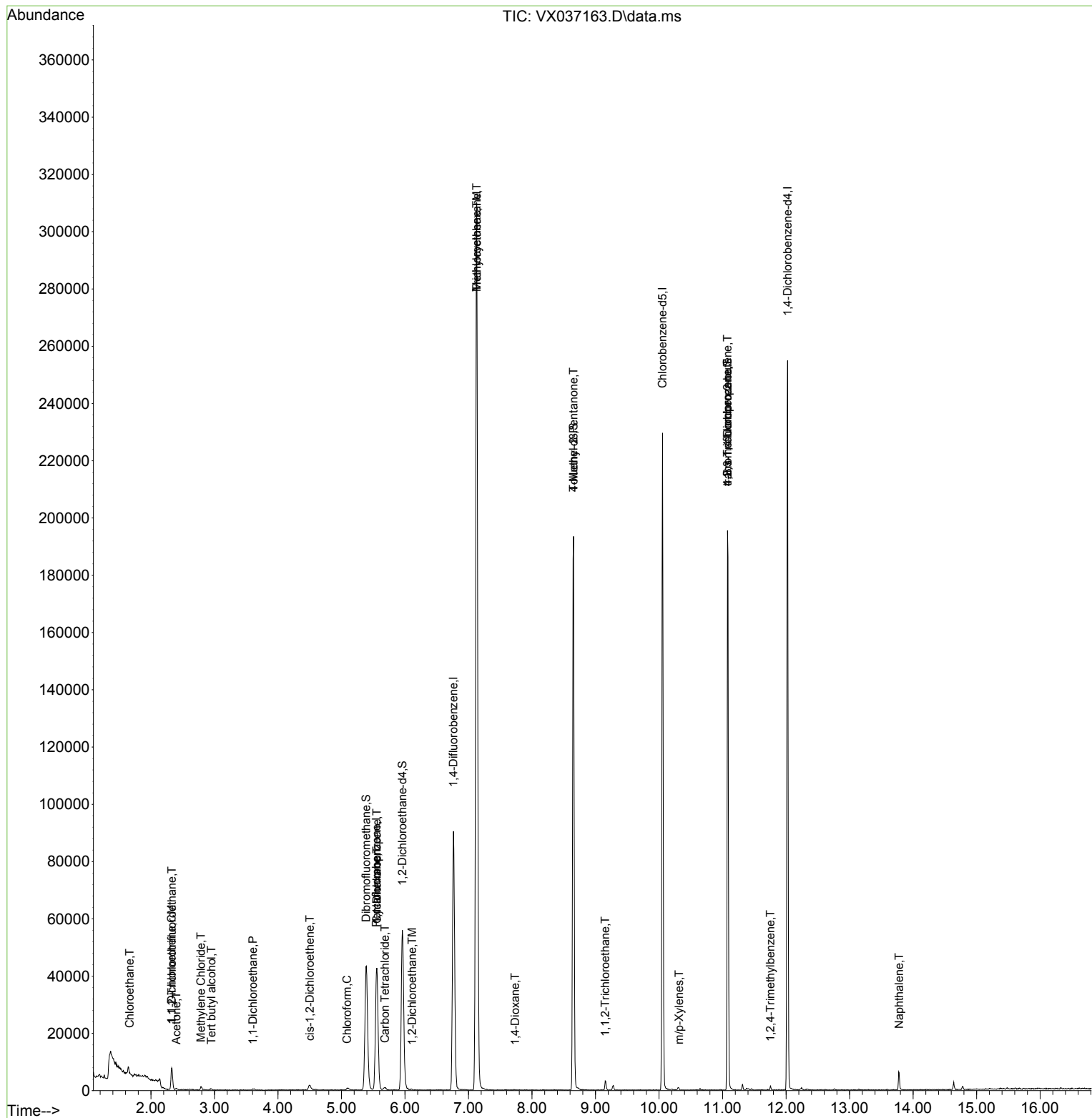
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	41146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	94795	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	103107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57348	96.677	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 193.360%#	
35) Dibromofluoromethane	5.385	113	39118	62.309	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 124.620%#	
50) Toluene-d8	8.652	98	117563	51.624	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.240%	
62) 4-Bromofluorobenzene	11.079	95	55707	62.247	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 124.500%#	
Target Compounds						Qvalue
6) Chloroethane	1.666	64	477	1.781	ug/l #	49
9) 1,1,2-Trichlorotrifluo...	2.330	101	1911	4.394	ug/l	97
11) Tert butyl alcohol	2.952	59	222	1.595	ug/l #	78
12) 1,1-Dichloroethene	2.324	96	1451	3.426	ug/l #	73
16) Acetone	2.397	43	612	2.637	ug/l	95
20) Methylene Chloride	2.788	84	600	1.156	ug/l #	82
24) 1,1-Dichloroethane	3.605	63	670	0.794	ug/l #	83
27) cis-1,2-Dichloroethene	4.501	96	1273	2.243	ug/l	81
30) Chloroform	5.086	83	1044	1.102	ug/l #	58
31) Cyclohexane	5.555	56	762	1.142	ug/l #	1
36) 1,1-Dichloropropene	5.555	75	3289	3.687	ug/l #	46
38) Carbon Tetrachloride	5.683	117	851	0.878	ug/l	90
39) Methylcyclohexane	7.128	83	1465	1.563	ug/l #	1
42) 1,2-Dichloroethane	6.110	62	332	0.331	ug/l #	77
44) Trichloroethene	7.128	130	119811	165.175	ug/l	96
49) 1,4-Dioxane	7.732	88	147	7.737	ug/l #	12
51) 4-Methyl-2-Pentanone	8.652	43	492	0.560	ug/l #	1
55) 1,1,2-Trichloroethane	9.152	97	1017	1.478	ug/l	96
68) m/p-Xylenes	10.317	106	300	0.203	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	28422	25.180	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	28422	70.328	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	851	0.262	ug/l	94
95) Naphthalene	13.780	128	4800	1.086	ug/l	99

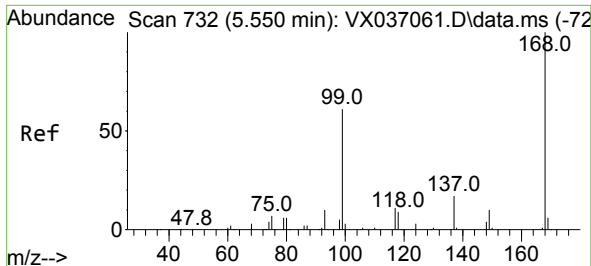
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

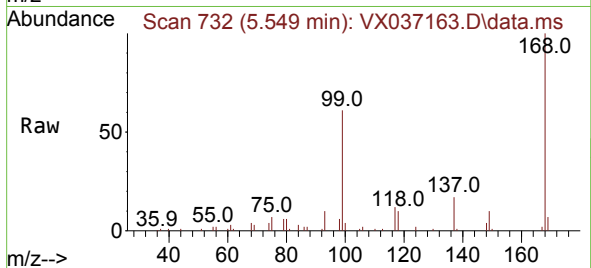
Quant Time: Aug 23 01:47:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
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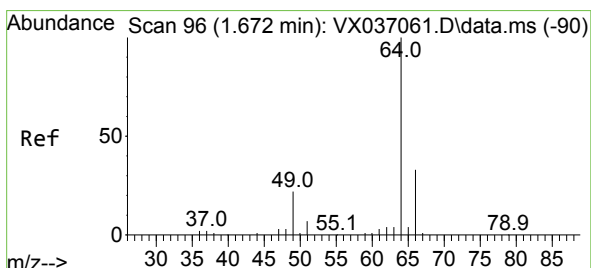
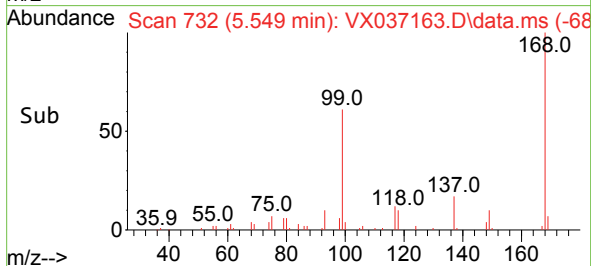
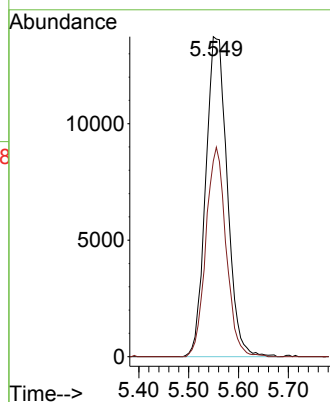


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

Instrument :
MSVOA_X
ClientSampleId :

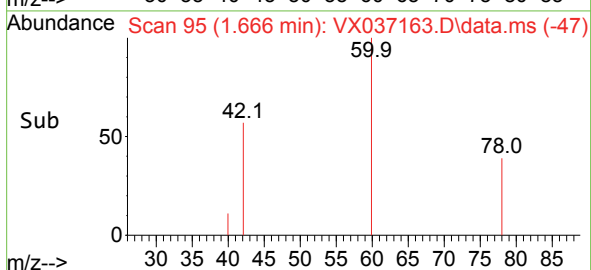
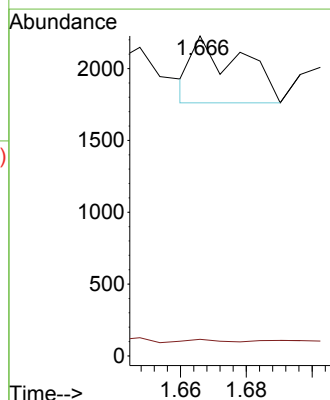
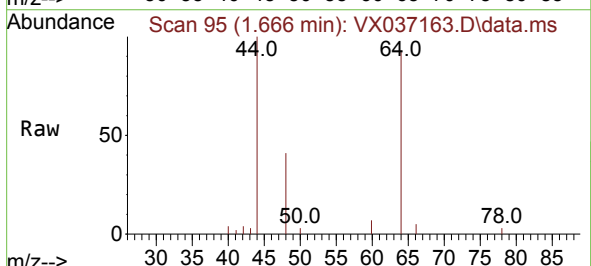


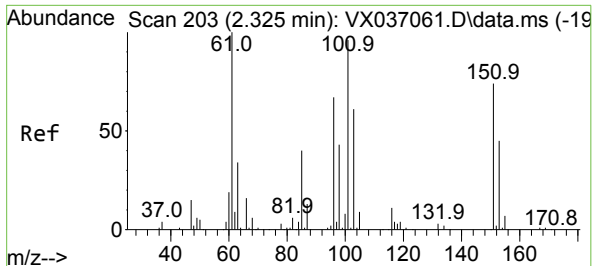
Tgt Ion:168 Resp: 41146
Ion Ratio Lower Upper
168 100
99 61.1 56.6 85.0



#6
Chloroethane
Concen: 1.781 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.006 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

Tgt Ion: 64 Resp: 477
Ion Ratio Lower Upper
64 100
66 3.0 25.1 37.7#

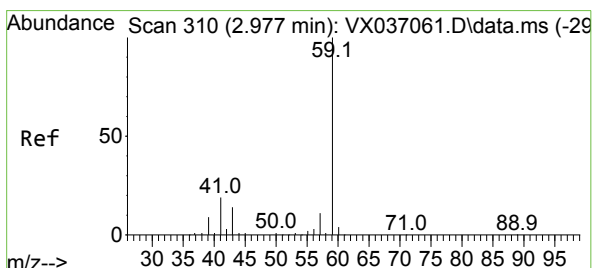
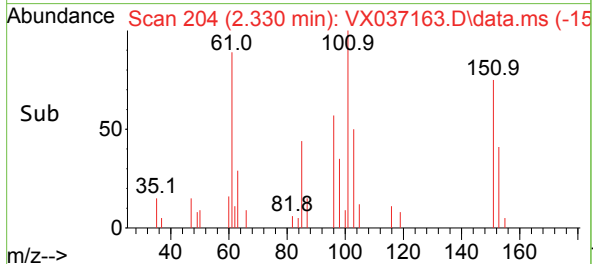
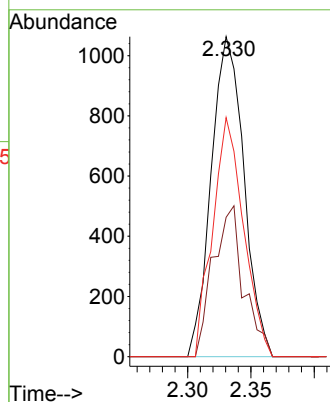
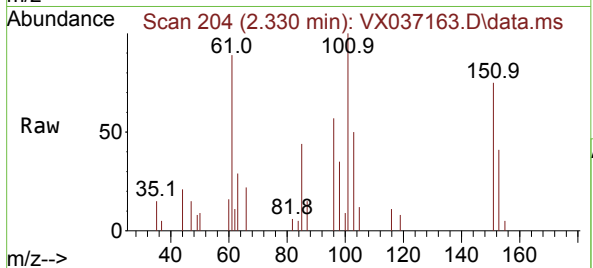




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.394 ug/l
RT: 2.330 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

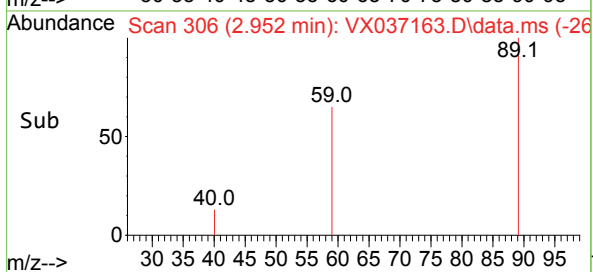
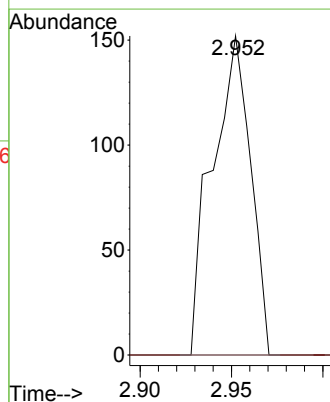
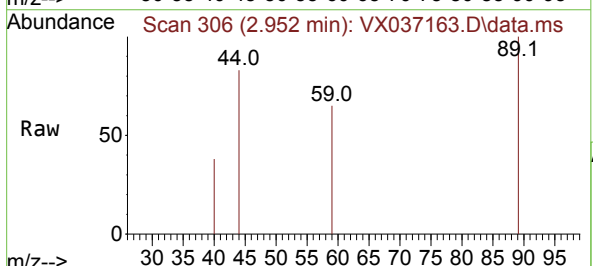
Instrument :
MSVOA_X
ClientSampleId :

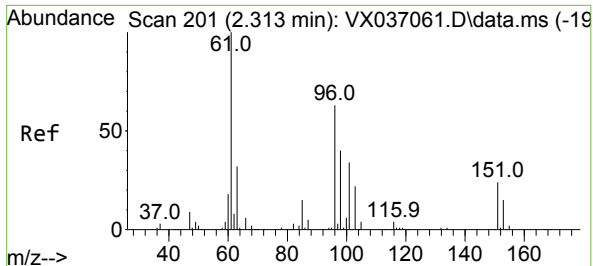
Tgt Ion:101 Resp: 1911
Ion Ratio Lower Upper
101 100
85 44.2 37.0 55.6
151 70.6 58.6 87.8



#11
Tert butyl alcohol
Concen: 1.595 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.025 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

Tgt Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 3.426 ug/l

RT: 2.324 min Scan# 201

Delta R.T. 0.012 min

Lab File: VX037163.D

Acq: 22 Aug 2023 19:42

Instrument :

MSVOA_X

ClientSampleId :

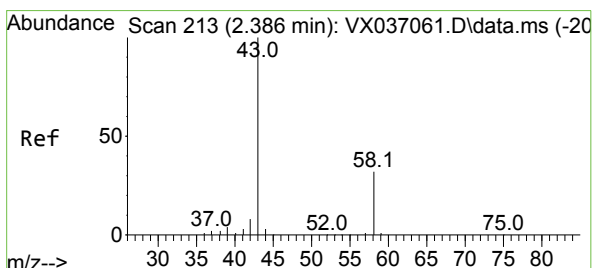
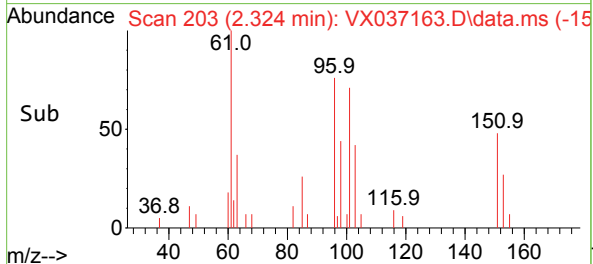
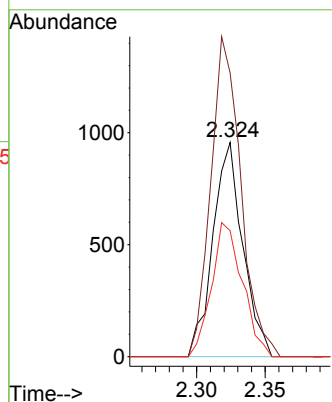
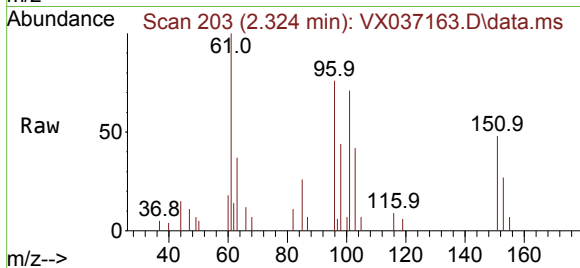
Tgt Ion: 96 Resp: 1451

Ion Ratio Lower Upper

96 100

61 132.4 144.6 216.8#

98 58.7 50.4 75.6



#16

Acetone

Concen: 2.637 ug/l

RT: 2.397 min Scan# 215

Delta R.T. 0.012 min

Lab File: VX037163.D

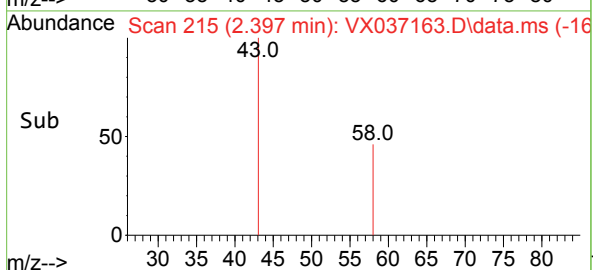
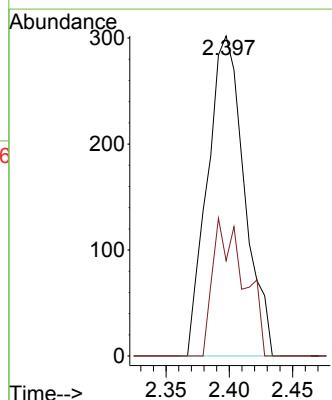
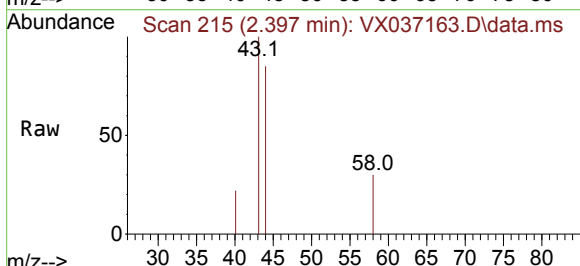
Acq: 22 Aug 2023 19:42

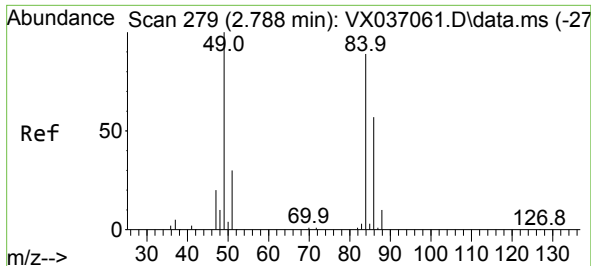
Tgt Ion: 43 Resp: 612

Ion Ratio Lower Upper

43 100

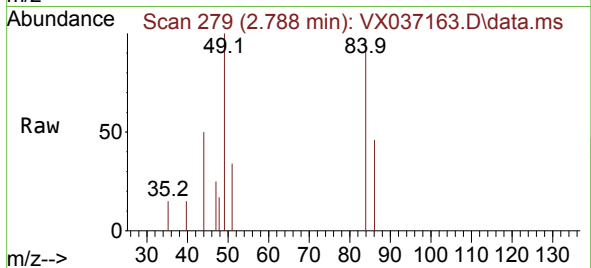
58 29.8 21.9 32.9



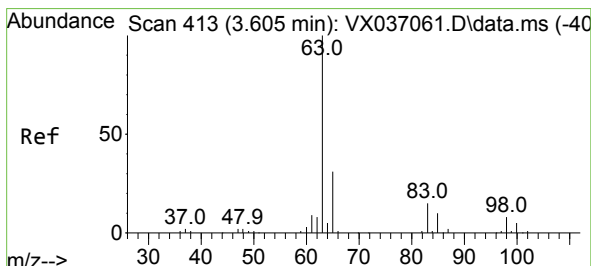
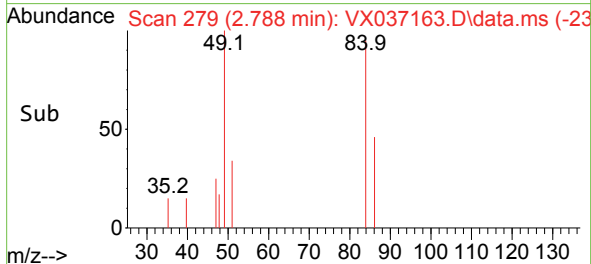
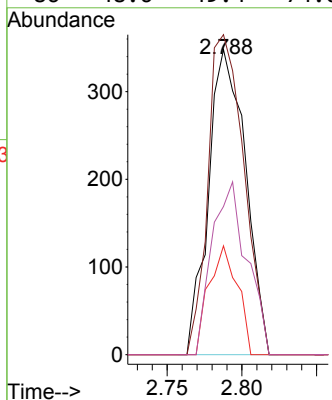


#20
Methylene Chloride
Concen: 1.156 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

Instrument :
MSVOA_X
ClientSampleId :

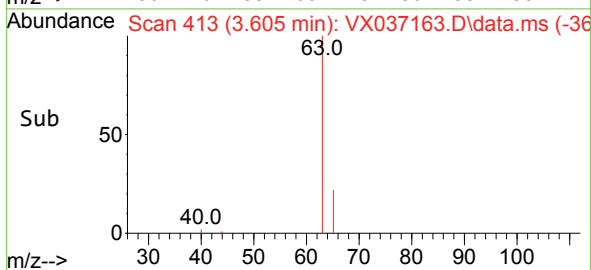
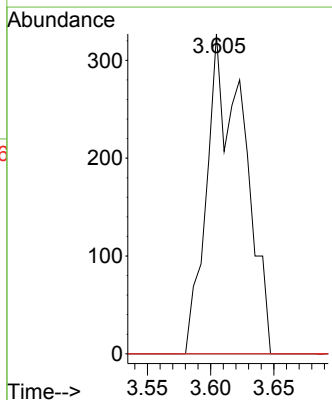
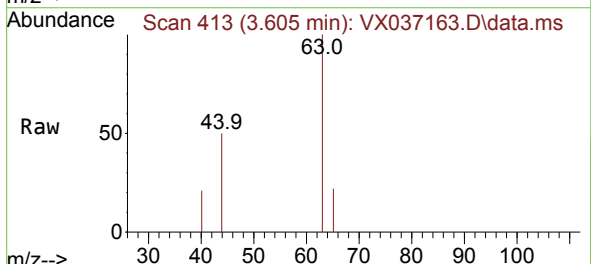


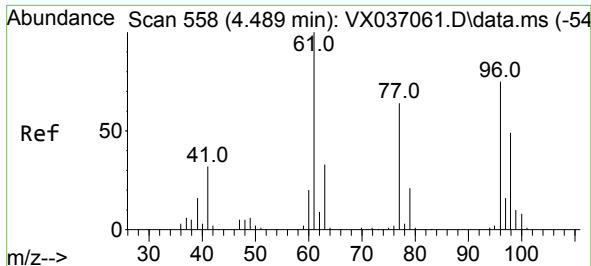
Tgt Ion:	84	Resp:	600
Ion	Ratio	Lower	Upper
84	100		
49	104.9	103.6	155.4
51	35.6	33.8	50.6
86	48.6	49.4	74.0#



#24
1,1-Dichloroethane
Concen: 0.794 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

Tgt Ion:	63	Resp:	670
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: 2.243 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.012 min

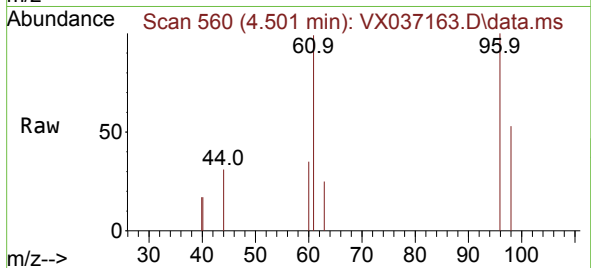
Lab File: VX037163.D

Acq: 22 Aug 2023 19:42

Instrument :

MSVOA_X

ClientSampleId :



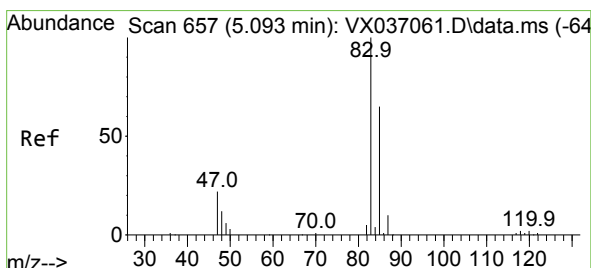
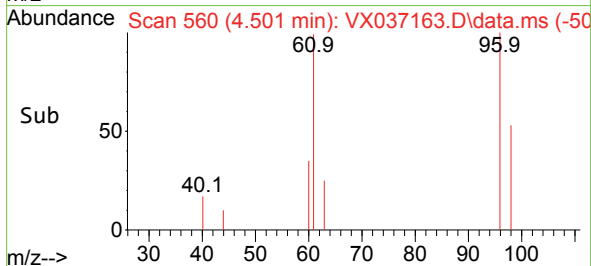
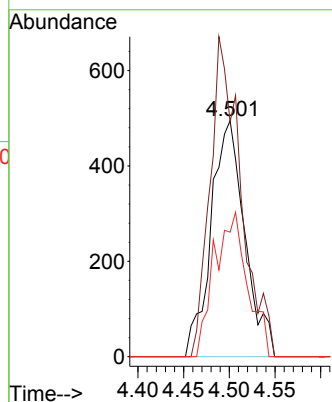
Tgt Ion: 96 Resp: 1273

Ion Ratio Lower Upper

96 100

61 123.8 0.0 312.2

98 59.9 0.0 129.0



#30

Chloroform

Concen: 1.102 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.006 min

Lab File: VX037163.D

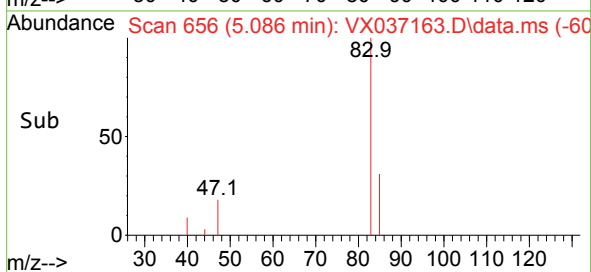
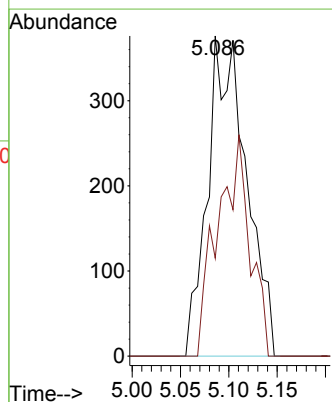
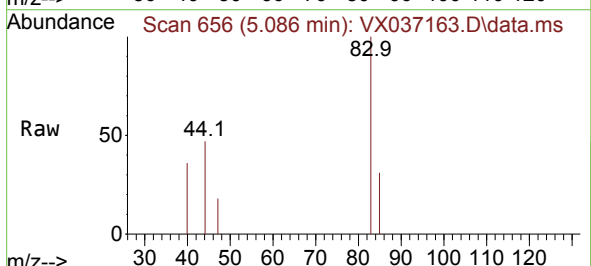
Acq: 22 Aug 2023 19:42

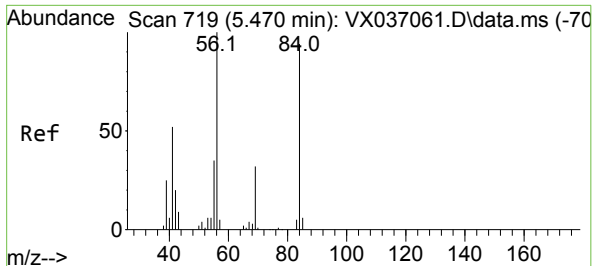
Tgt Ion: 83 Resp: 1044

Ion Ratio Lower Upper

83 100

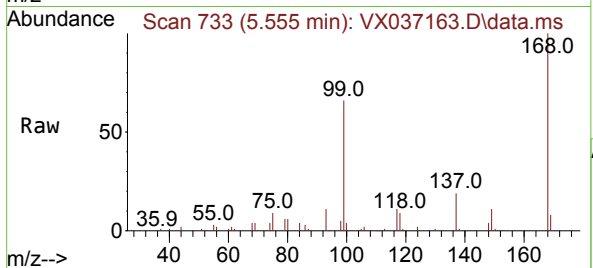
85 30.6 50.3 75.5#



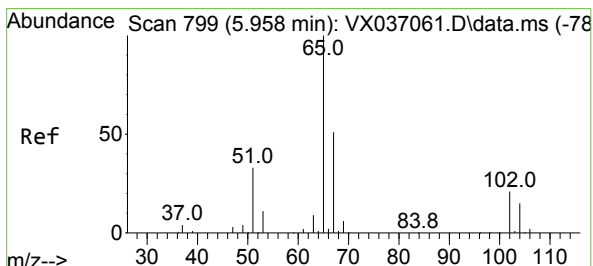
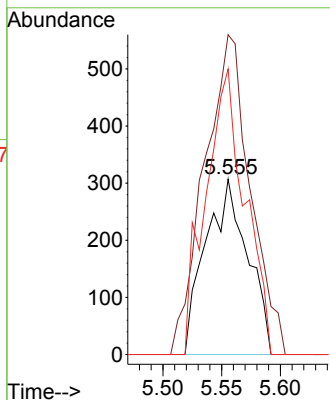
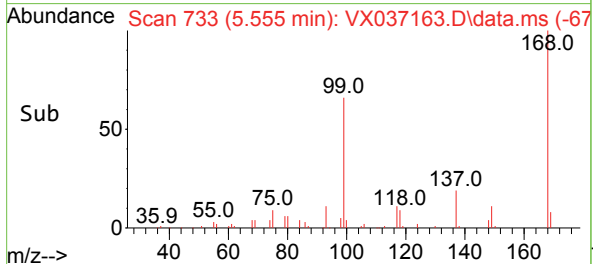


#31
Cyclohexane
Concen: 1.142 ug/l
RT: 5.555 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

Instrument :
MSVOA_X
ClientSampleId :

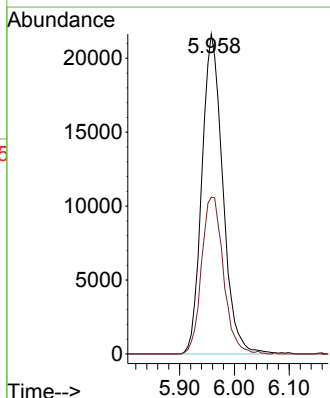
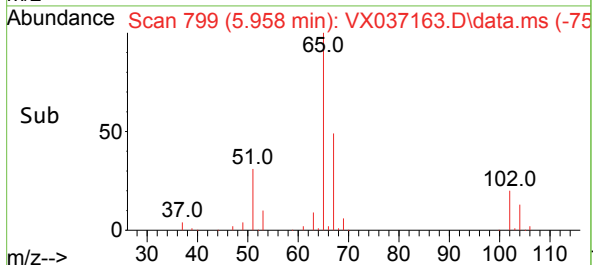
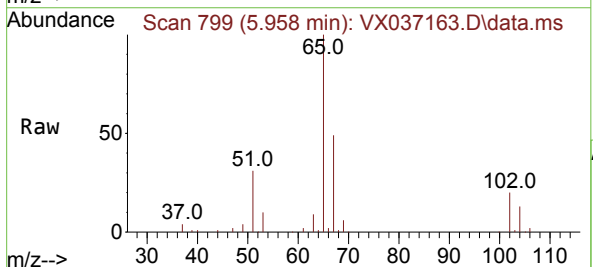


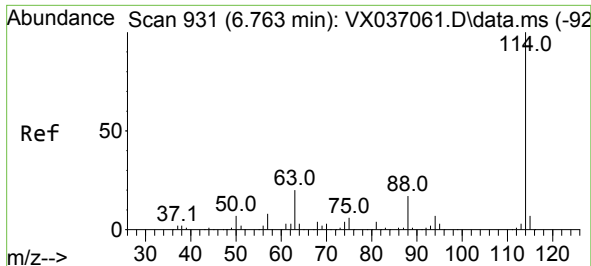
Tgt Ion: 56 Resp: 762
Ion Ratio Lower Upper
56 100
69 162.5 23.4 35.2#
84 162.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 96.677 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

Tgt Ion: 65 Resp: 57348
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.2

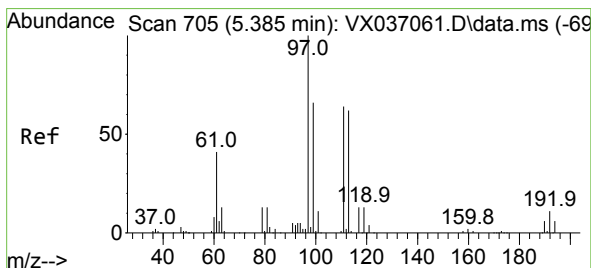
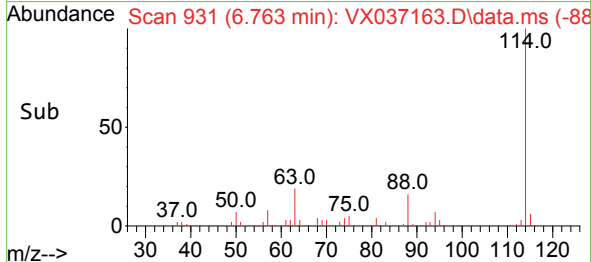
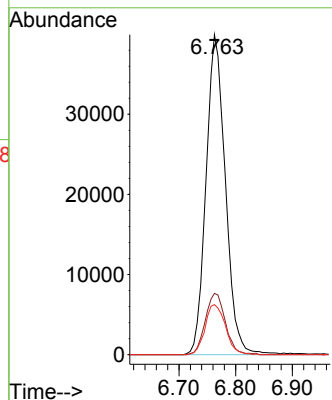
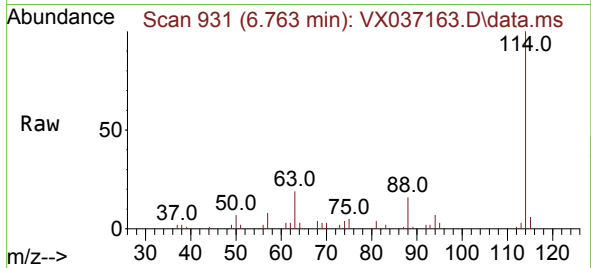




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

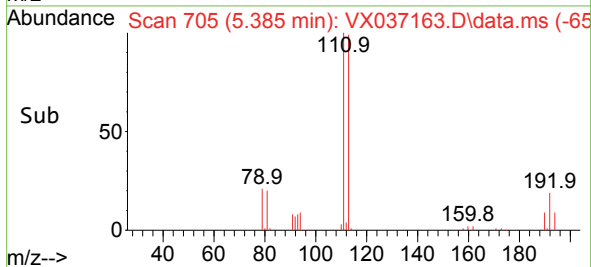
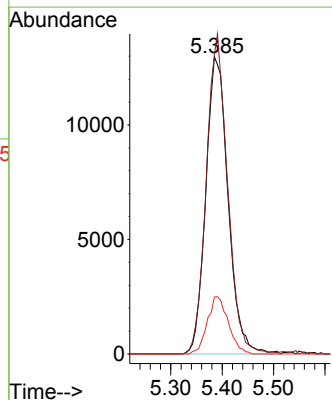
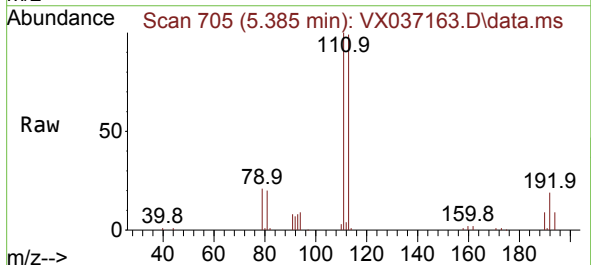
Instrument :
MSVOA_X
ClientSampleId :

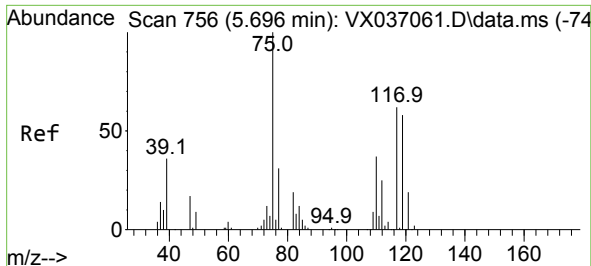
Tgt Ion:114 Resp: 94795
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 62.309 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

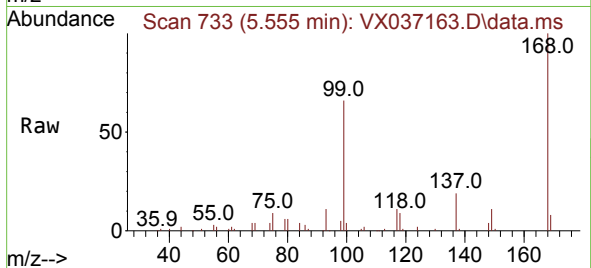
Tgt Ion:113 Resp: 39118
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.2 13.3 19.9



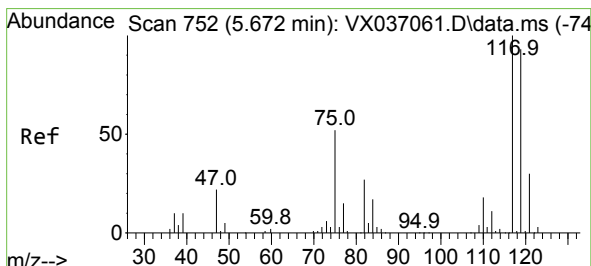
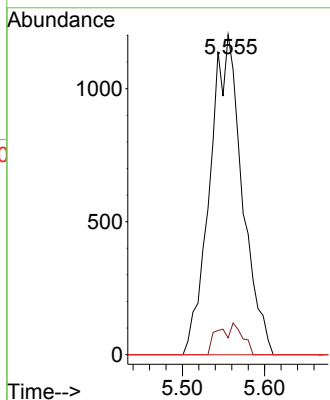
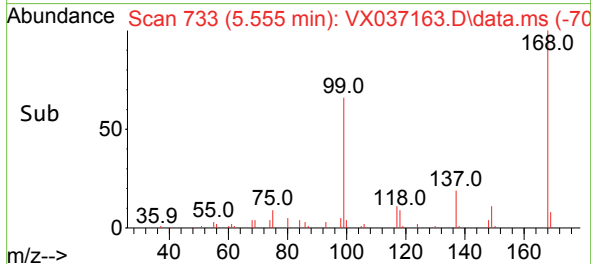


#36
 1,1-Dichloropropene
 Concen: 3.687 ug/l
 RT: 5.555 min Scan# 713
 Delta R.T. -0.141 min
 Lab File: VX037163.D
 Acq: 22 Aug 2023 19:42

Instrument :
 MSVOA_X
 ClientSampleId :

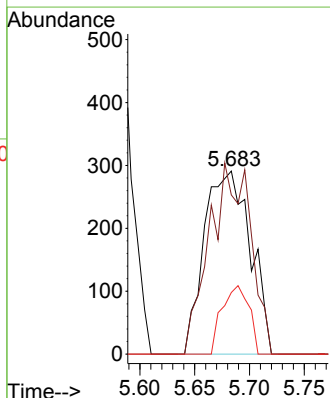
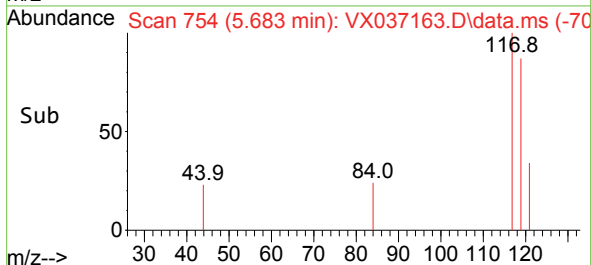
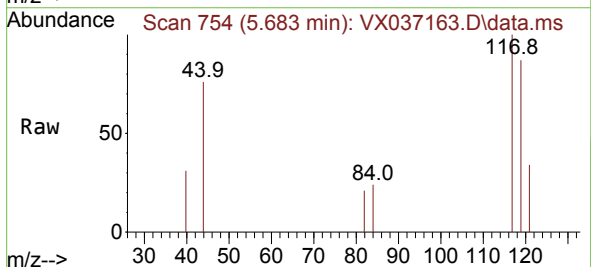


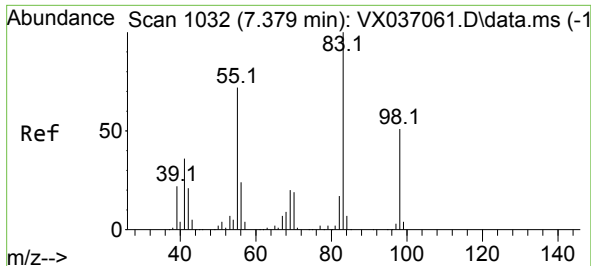
Tgt Ion: 75 Resp: 3289
 Ion Ratio Lower Upper
 75 100
 110 3.7 17.0 50.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 0.878 ug/l
 RT: 5.683 min Scan# 754
 Delta R.T. 0.012 min
 Lab File: VX037163.D
 Acq: 22 Aug 2023 19:42

Tgt Ion: 117 Resp: 851
 Ion Ratio Lower Upper
 117 100
 119 86.9 78.2 117.2
 121 33.7 24.4 36.6





#39

Methylcyclohexane

Concen: 1.563 ug/l

RT: 7.128 min Scan# 91

Delta R.T. -0.250 min

Lab File: VX037163.D

Acq: 22 Aug 2023 19:42

Instrument :

MSVOA_X

ClientSampleId :

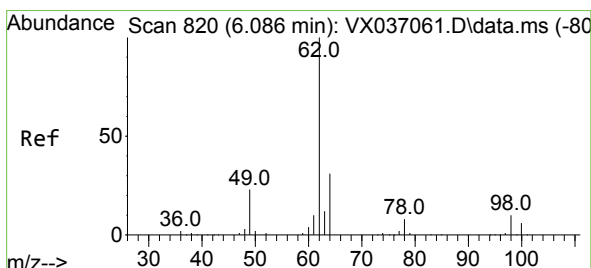
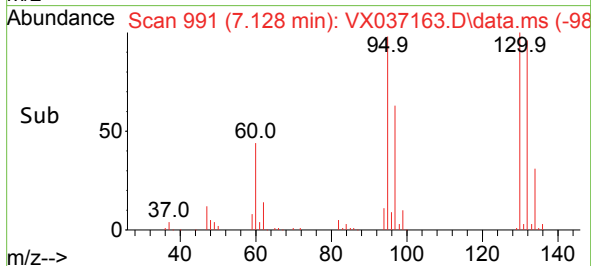
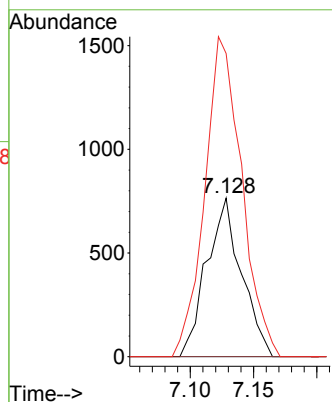
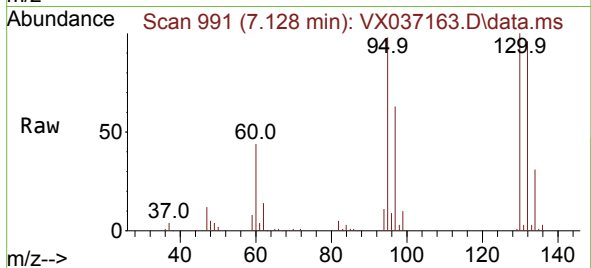
Tgt Ion: 83 Resp: 1465

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 191.1 36.7 55.1#



#42

1,2-Dichloroethane

Concen: 0.331 ug/l

RT: 6.110 min Scan# 824

Delta R.T. 0.024 min

Lab File: VX037163.D

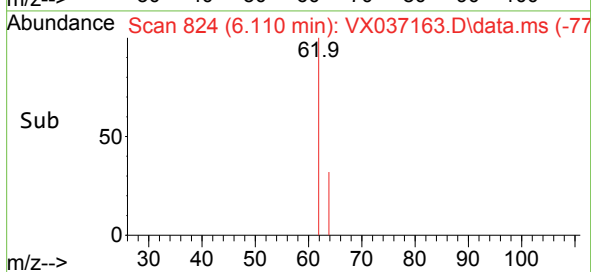
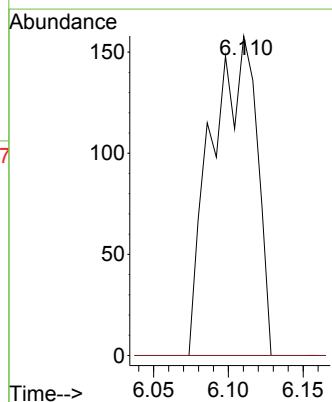
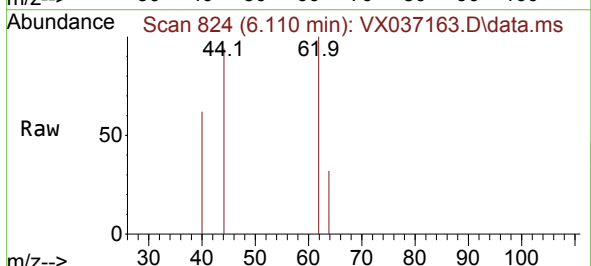
Acq: 22 Aug 2023 19:42

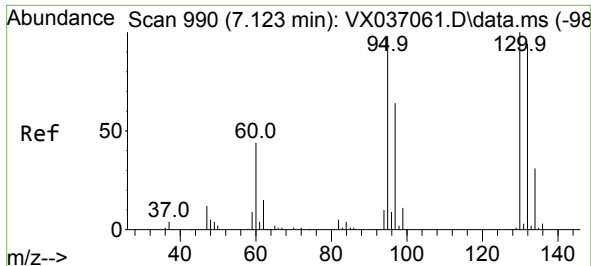
Tgt Ion: 62 Resp: 332

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0

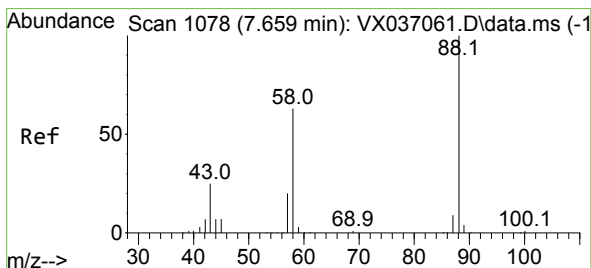
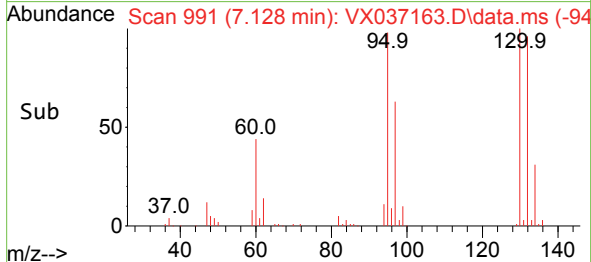
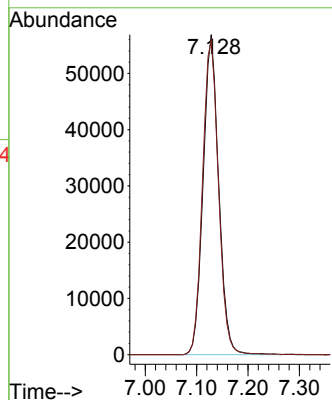
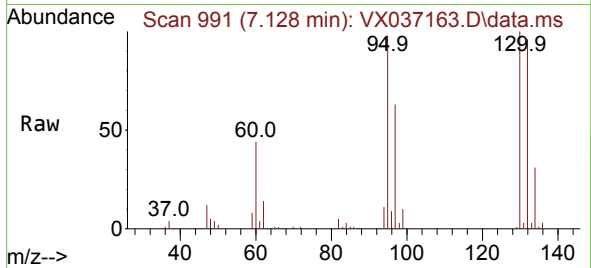




#44
Trichloroethene
Concen: 165.175 ug/l
RT: 7.128 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

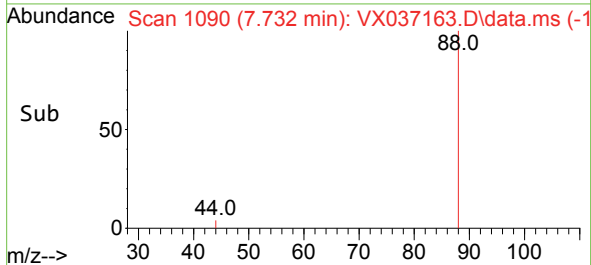
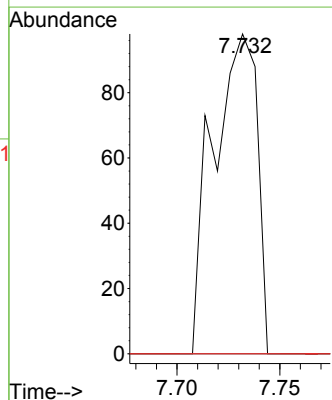
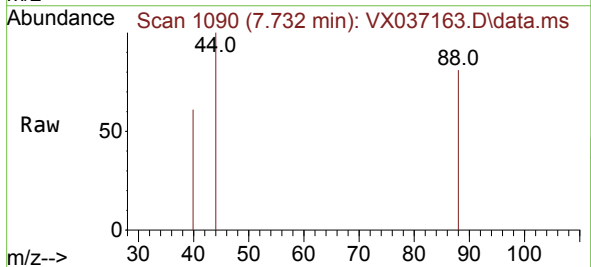
Instrument :
MSVOA_X
ClientSampleId :

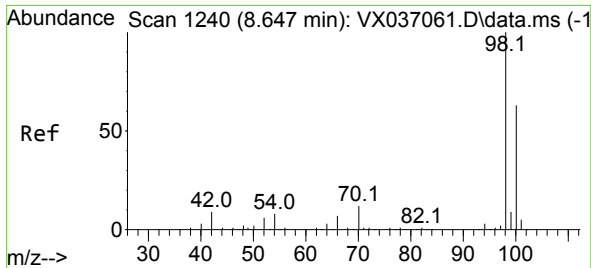
Tgt Ion:130 Resp: 119811
Ion Ratio Lower Upper
130 100
95 98.1 0.0 204.4



#49
1,4-Dioxane
Concen: 7.737 ug/l
RT: 7.732 min Scan# 1090
Delta R.T. 0.073 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

Tgt Ion: 88 Resp: 147
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

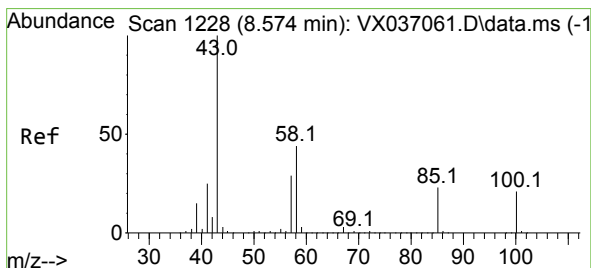
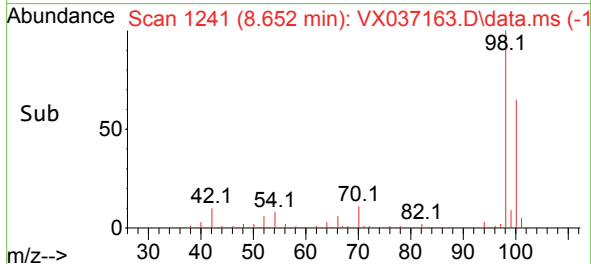
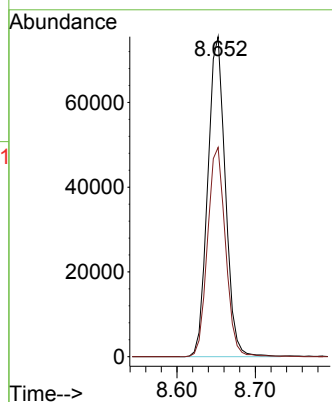
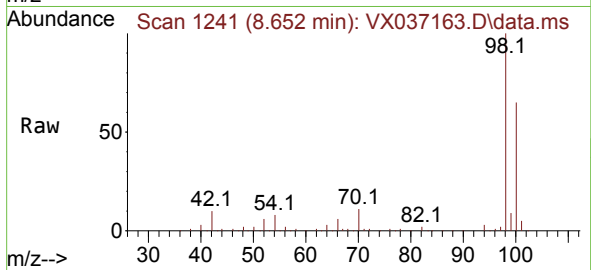




#50
Toluene-d8
Concen: 51.624 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

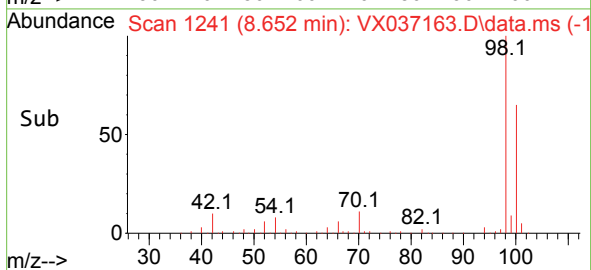
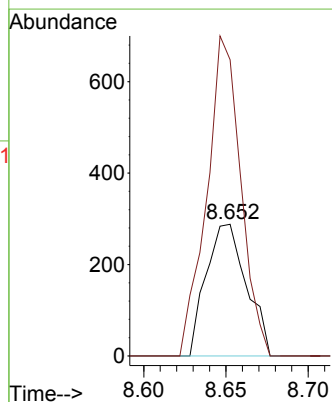
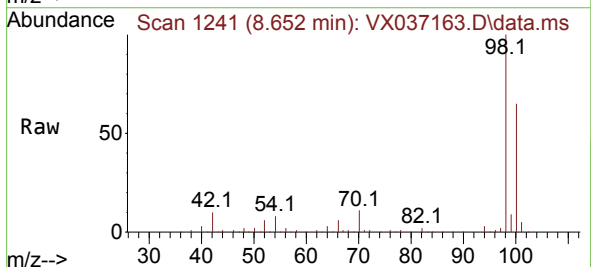
Instrument :
MSVOA_X
ClientSampleId :

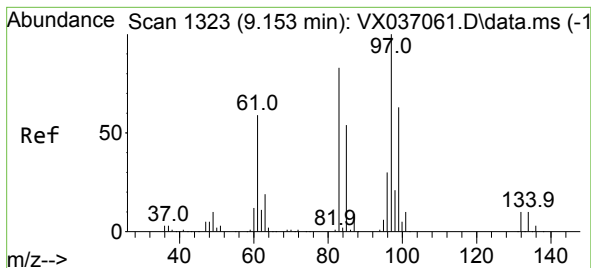
Tgt Ion: 98 Resp: 117563
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.560 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

Tgt Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
58 204.5 30.4 45.6#





#55

1,1,2-Trichloroethane

Concen: 1.478 ug/l

RT: 9.152 min Scan# 1

Delta R.T. -0.000 min

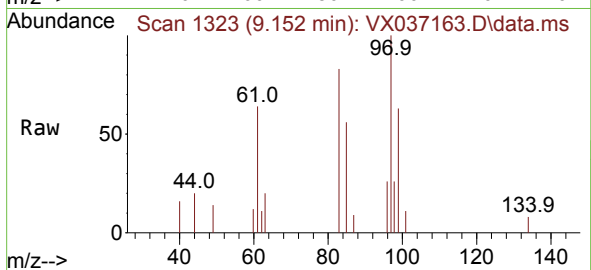
Lab File: VX037163.D

Acq: 22 Aug 2023 19:42

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 1017

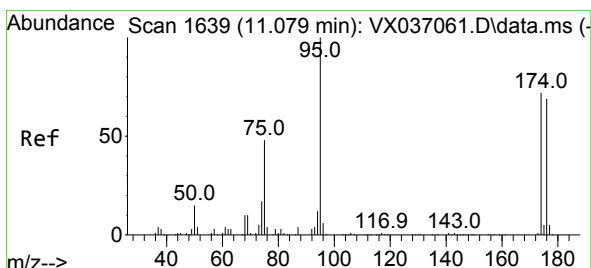
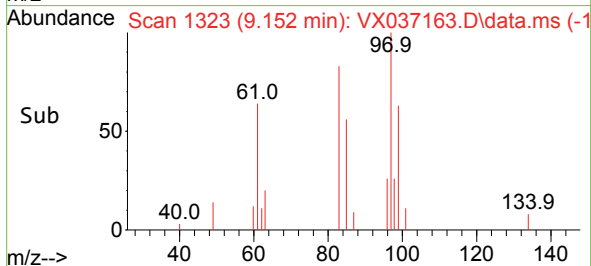
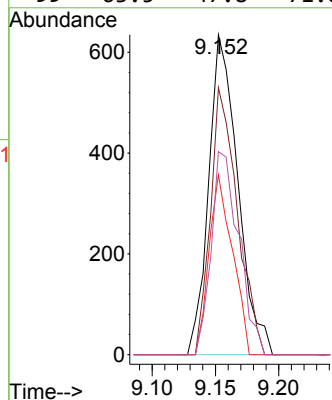
Ion Ratio Lower Upper

97 100

83 83.5 65.8 98.8

85 56.2 41.6 62.4

99 63.5 47.8 71.8



#62

4-Bromofluorobenzene

Concen: 62.247 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037163.D

Acq: 22 Aug 2023 19:42

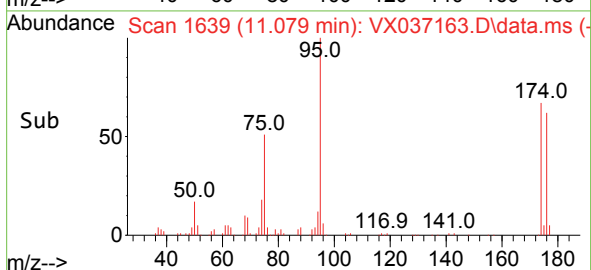
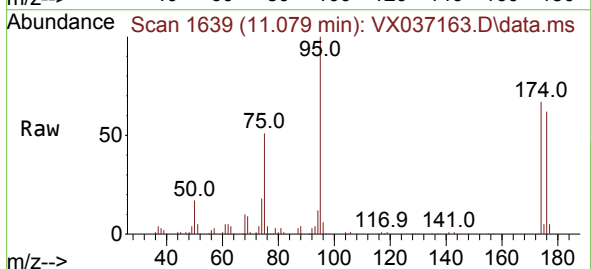
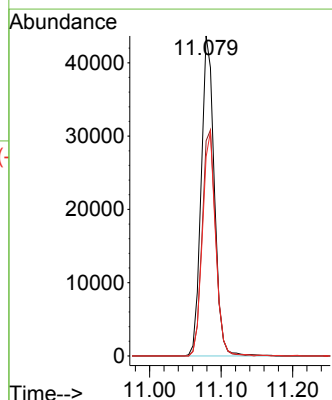
Tgt Ion: 95 Resp: 55707

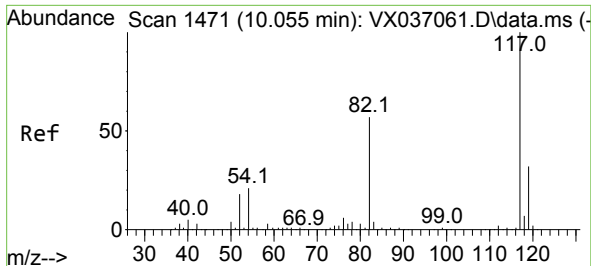
Ion Ratio Lower Upper

95 100

174 72.6 0.0 135.6

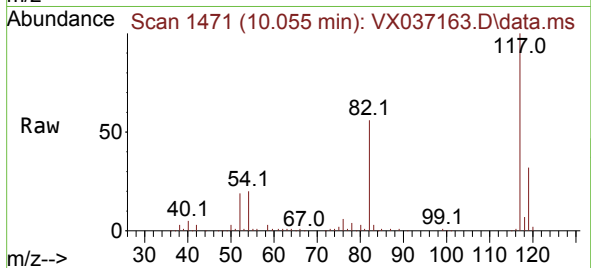
176 70.1 0.0 131.0



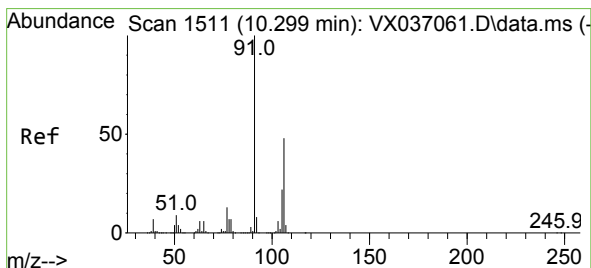
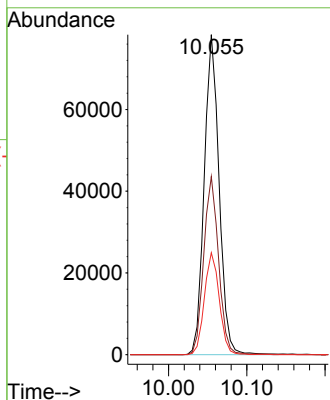
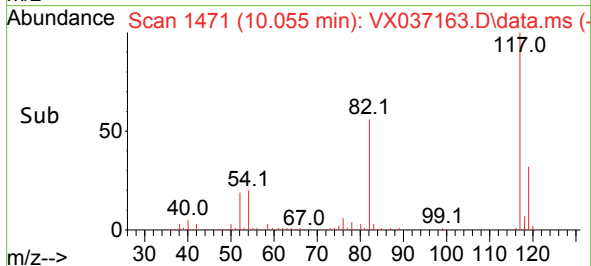


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

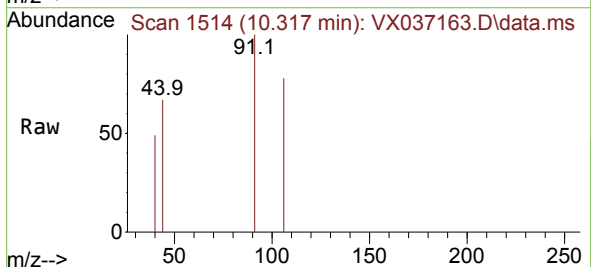
Instrument :
MSVOA_X
ClientSampleId :



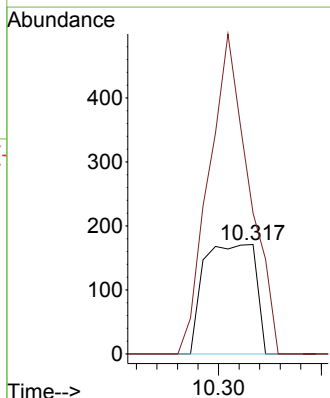
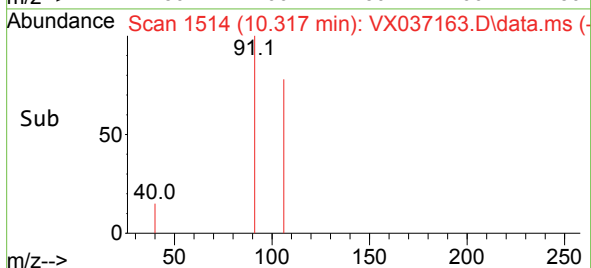
Tgt Ion:117 Resp: 103107
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.4
119 31.9 25.5 38.3

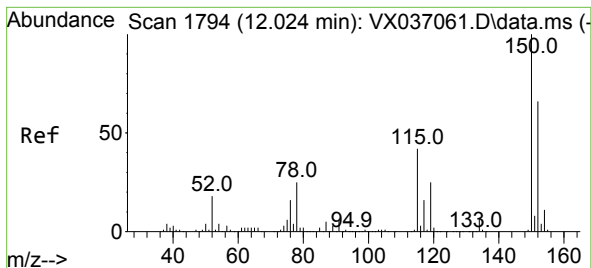


#68
m/p-Xylenes
Concen: 0.203 ug/l
RT: 10.317 min Scan# 1514
Delta R.T. 0.018 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42



Tgt Ion:106 Resp: 300
Ion Ratio Lower Upper
106 100
91 226.3 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037163.D

Acq: 22 Aug 2023 19:42

Instrument :

MSVOA_X

ClientSampleId :

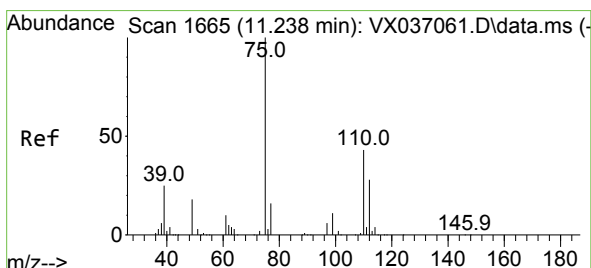
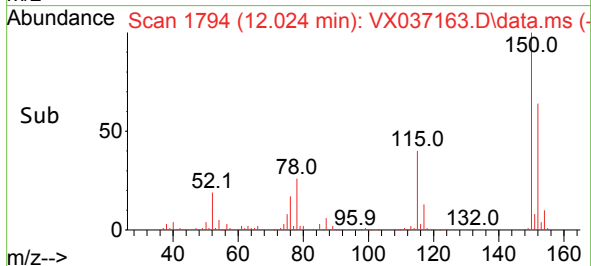
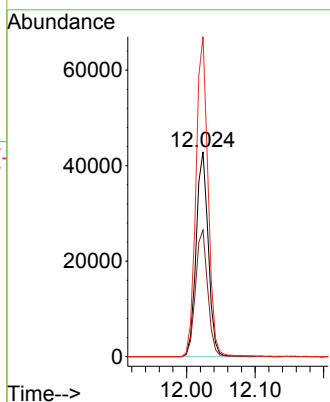
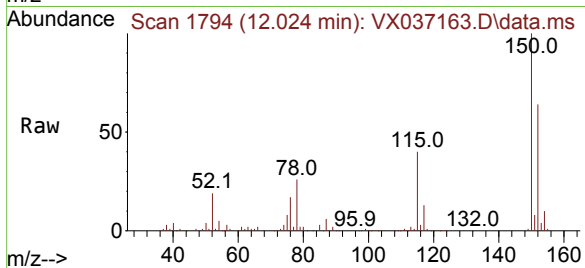
Tgt Ion:152 Resp: 53002

Ion Ratio Lower Upper

152 100

115 62.2 43.3 129.9

150 155.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.180 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037163.D

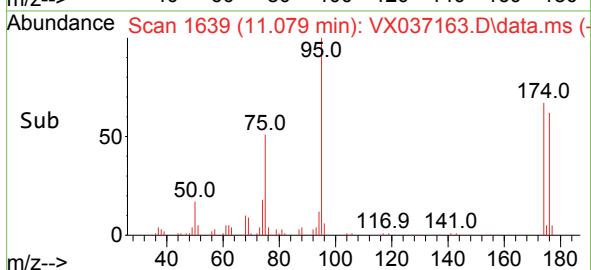
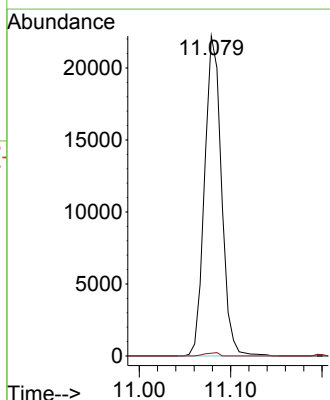
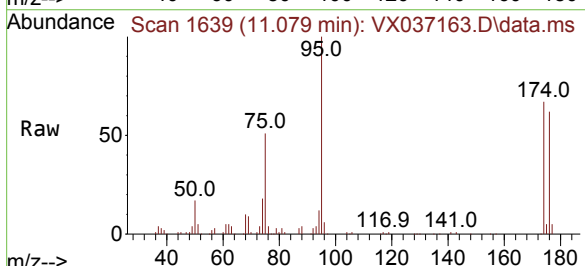
Acq: 22 Aug 2023 19:42

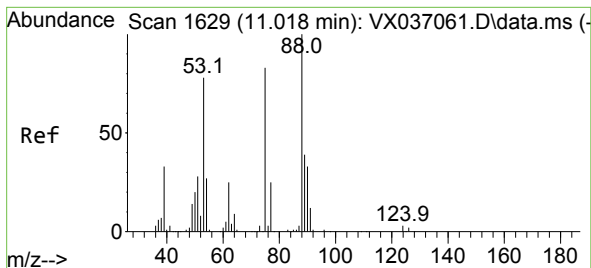
Tgt Ion: 75 Resp: 28422

Ion Ratio Lower Upper

75 100

77 0.8 19.1 57.5#

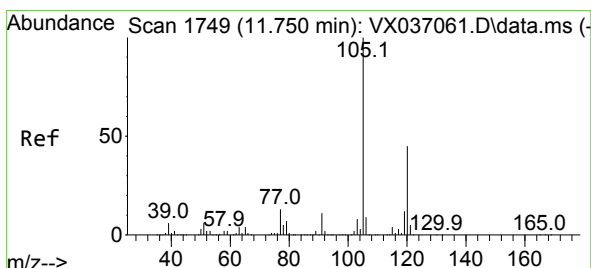
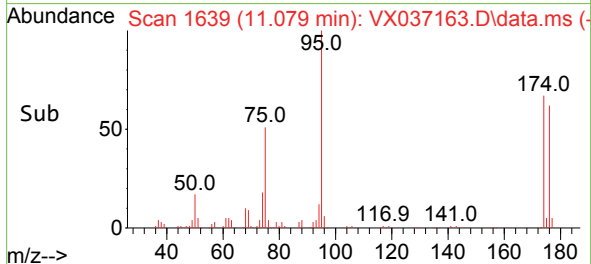
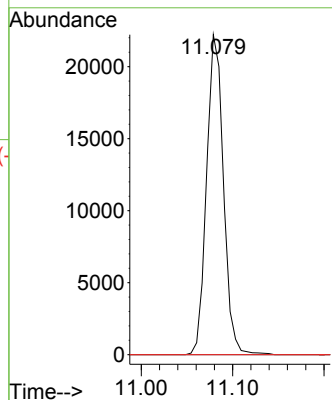
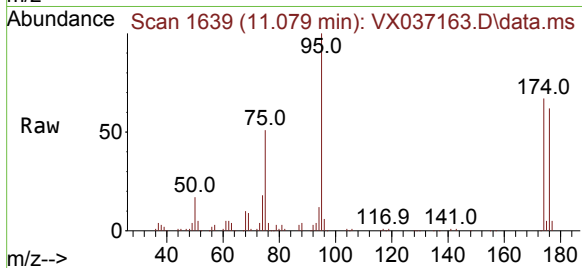




#81
trans-1,4-Dichloro-2-butene
Concen: 70.328 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

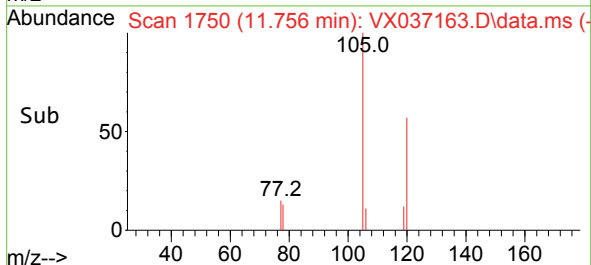
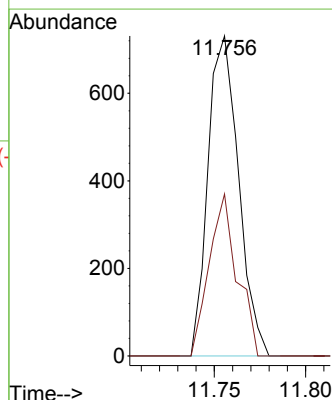
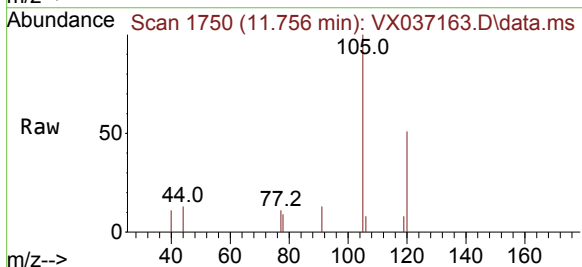
Instrument :
MSVOA_X
ClientSampleId :

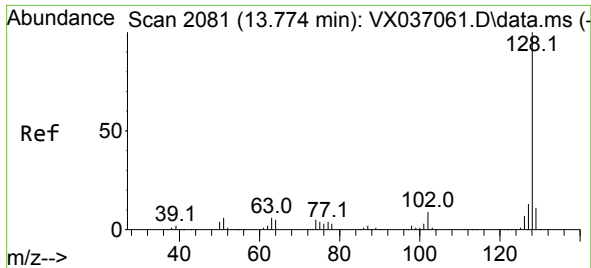
Tgt Ion: 75 Resp: 28422
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.262 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX037163.D
Acq: 22 Aug 2023 19:42

Tgt Ion:105 Resp: 851
Ion Ratio Lower Upper
105 100
120 46.3 21.2 63.6





#95

Naphthalene

Concen: 1.086 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

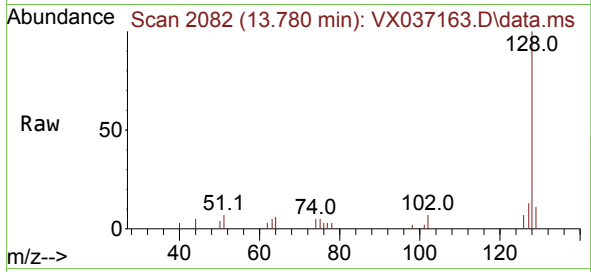
Lab File: VX037163.D

Acq: 22 Aug 2023 19:42

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 4800

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 11.5 8.8 13.2

