

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082123\
 Data File : VX037136.D
 Acq On : 21 Aug 2023 17:20
 Operator : JC/MD
 Sample : 04086-06
 Misc : 5.01g/5.0mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 22 05:58:48 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)

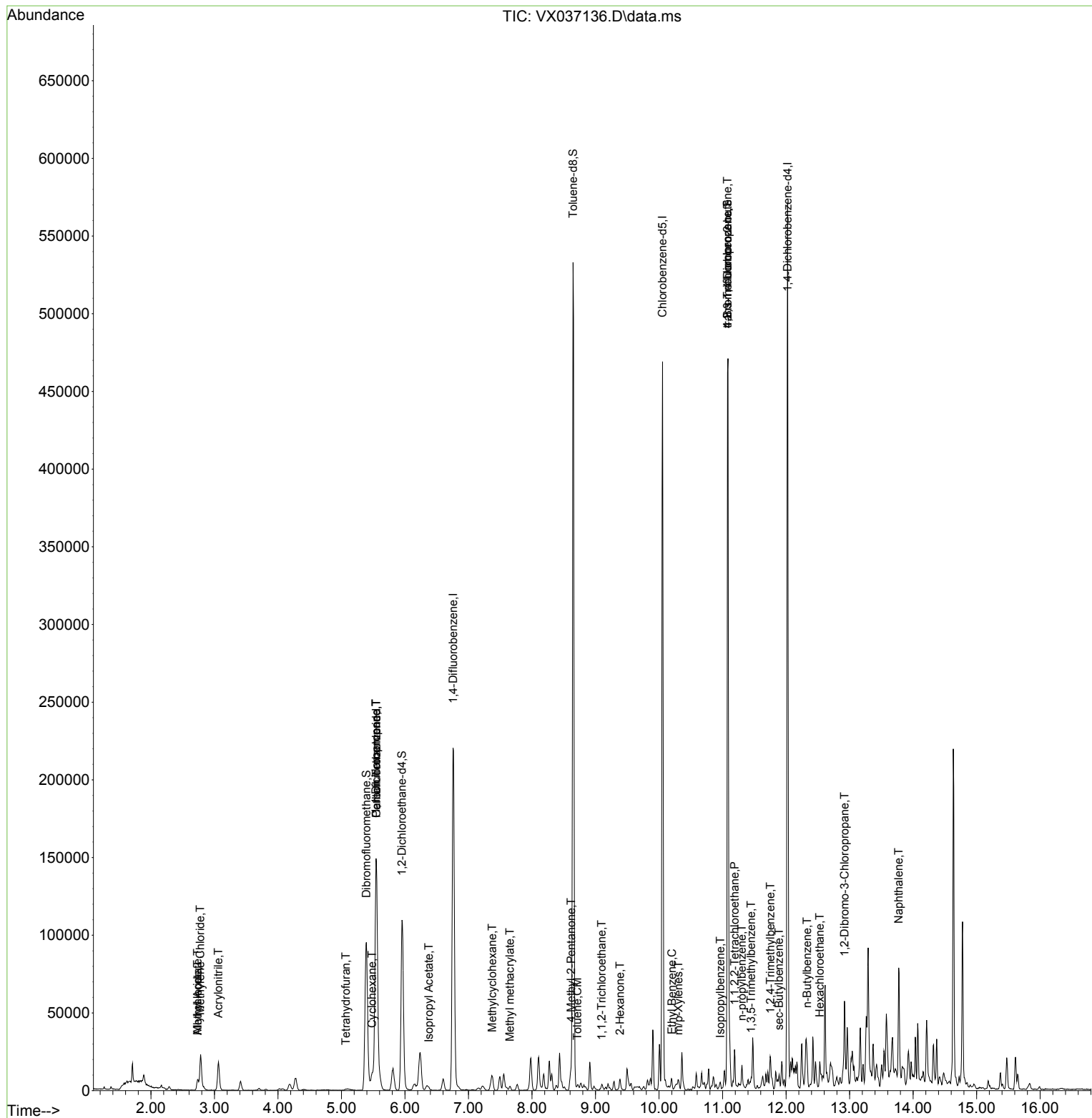
Internal Standards						
1) Pentafluorobenzene	5.550	168	138750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234686	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110823	55.402	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.800%	
35) Dibromofluoromethane	5.391	113	83015	53.411	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.820%	
50) Toluene-d8	8.647	98	326469	57.906	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 115.820%#	
62) 4-Bromofluorobenzene	11.079	95	132889	59.978	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.960%	
Target Compounds						
					Qvalue	
14) Allyl chloride	2.733	41	2125	0.961	ug/l #	62
15) Acrylonitrile	3.062	53	447	0.534	ug/l #	26
18) Methyl Acetate	2.733	43	4682	1.589	ug/l #	54
20) Methylene Chloride	2.776	84	721	0.412	ug/l #	67
29) Tetrahydrofuran	5.068	42	438	0.583	ug/l #	53
31) Cyclohexane	5.483	56	4025	1.790	ug/l #	64
36) 1,1-Dichloropropene	5.544	75	11035	4.997	ug/l #	52
38) Carbon Tetrachloride	5.550	117	14797	6.169	ug/l #	15
39) Methylcyclohexane	7.373	83	4379	1.887	ug/l	98
43) Isopropyl Acetate	6.373	43	765	0.214	ug/l #	62
48) Methyl methacrylate	7.653	41	717	0.411	ug/l #	61
51) 4-Methyl-2-Pentanone	8.616	43	1248	0.574	ug/l #	37
52) Toluene	8.714	92	1355	0.324	ug/l	97
55) 1,1,2-Trichloroethane	9.098	97	1359	0.798	ug/l #	28
59) 2-Hexanone	9.384	43	2383	1.437	ug/l #	28
67) Ethyl Benzene	10.201	91	2151	0.270	ug/l #	83
68) m/p-Xylenes	10.305	106	1473	0.479	ug/l	97
73) Isopropylbenzene	10.963	105	1930	0.228	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.189	83	771	0.271	ug/l #	94
76) 1,2,3-Trichloropropane	11.079	75	66881	26.998	ug/l #	39
78) n-propylbenzene	11.305	91	9431	1.002	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	2974	0.422	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	66881	75.407	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	5579	0.783	ug/l	98
85) sec-Butylbenzene	11.890	105	2337	0.297	ug/l	100
89) n-Butylbenzene	12.329	91	8432	1.504	ug/l #	57
90) Hexachloroethane	12.530	117	893	0.791	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	12.920	75	165	0.249	ug/l #	9
95) Naphthalene	13.774	128	47250	4.870	ug/l	99

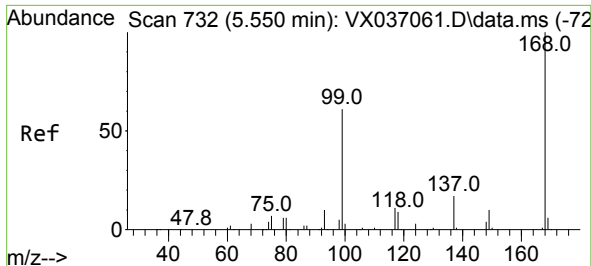
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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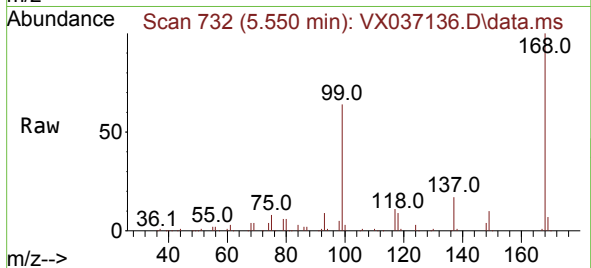
Quant Time: Aug 22 05:58:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
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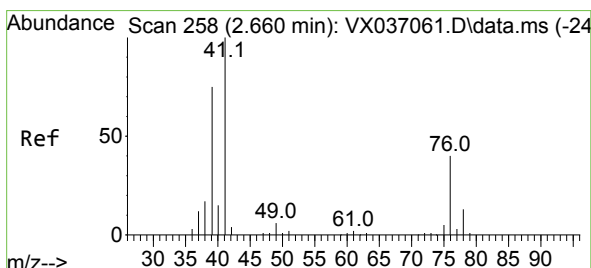
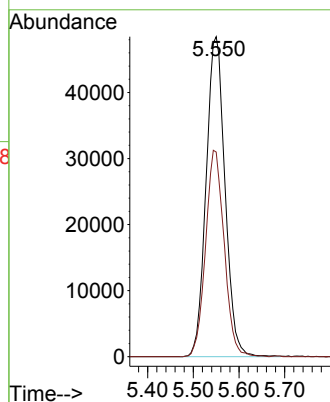
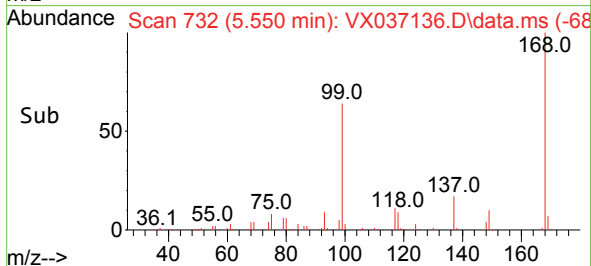


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

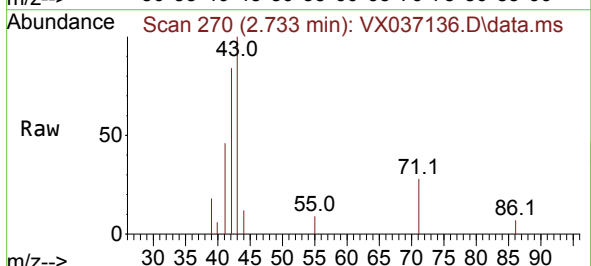
Instrument :
MSVOA_X
ClientSampleId :



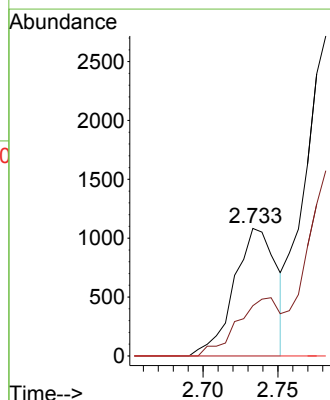
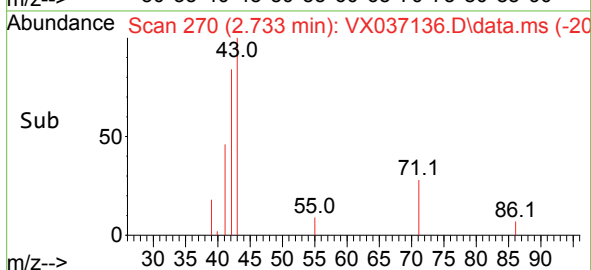
Tgt Ion:168 Resp: 138750
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0

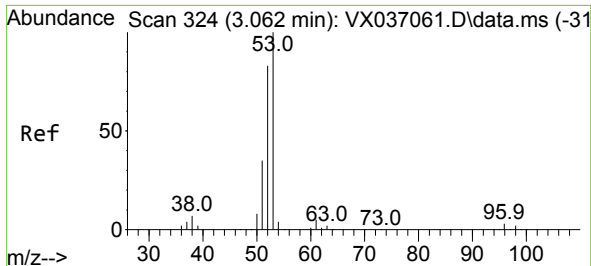


#14
Allyl chloride
Concen: 0.961 ug/l
RT: 2.733 min Scan# 270
Delta R.T. 0.073 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20



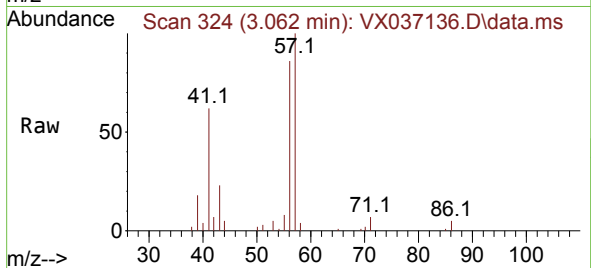
Tgt Ion: 41 Resp: 2125
Ion Ratio Lower Upper
41 100
39 45.5 55.8 83.6#
76 0.0 24.3 36.5#



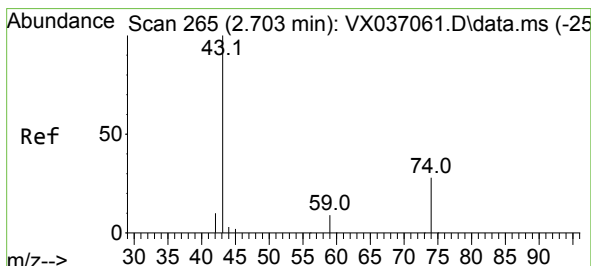
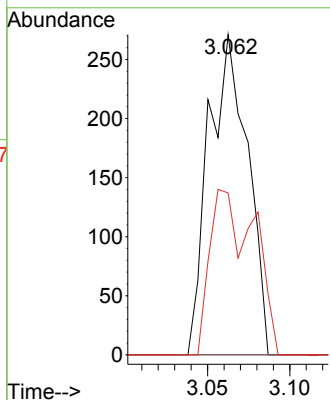
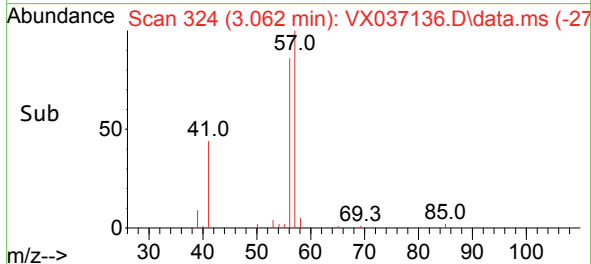


#15
Acrylonitrile
Concen: 0.534 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

Instrument :
MSVOA_X
ClientSampleId :

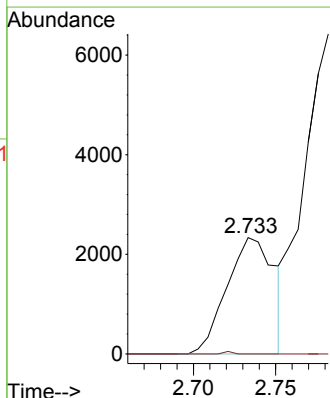
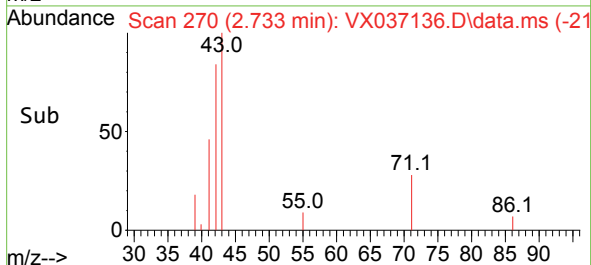
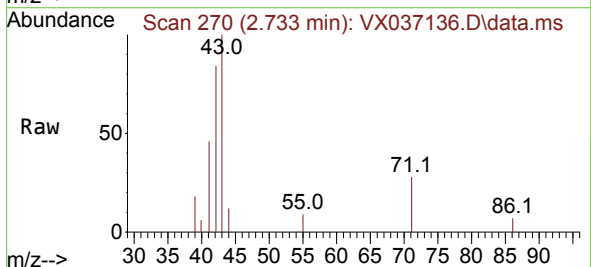


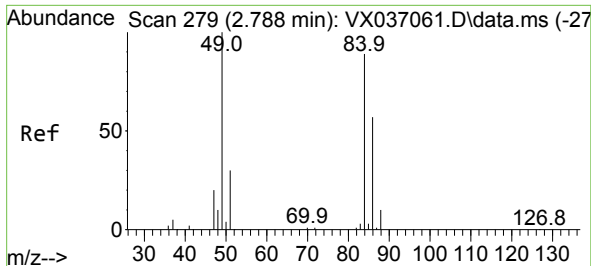
Tgt Ion: 53 Resp: 447
Ion Ratio Lower Upper
53 100
52 0.0 66.0 99.0#
51 58.6 29.8 44.6#



#18
Methyl Acetate
Concen: 1.589 ug/l
RT: 2.733 min Scan# 270
Delta R.T. 0.031 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

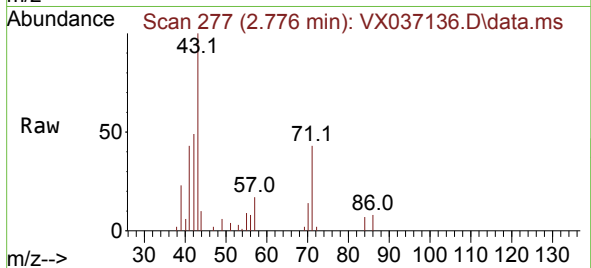
Tgt Ion: 43 Resp: 4682
Ion Ratio Lower Upper
43 100
74 0.4 17.8 26.8#



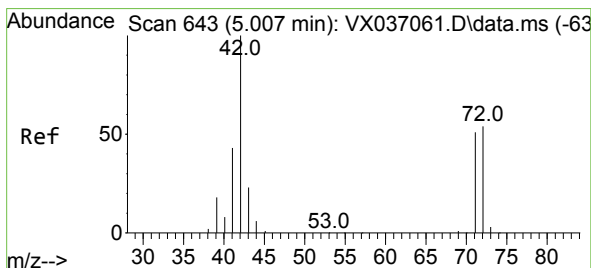
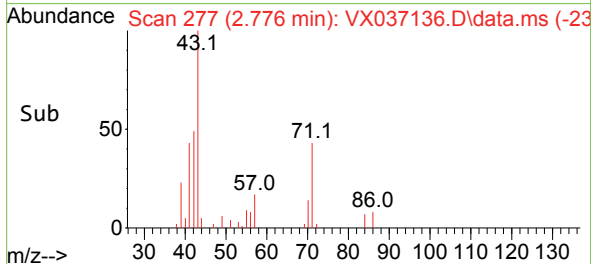
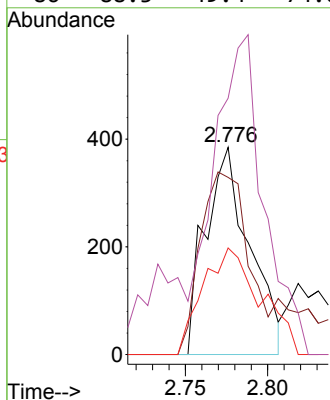


#20
Methylene Chloride
Concen: 0.412 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

Instrument :
MSVOA_X
ClientSampleId :

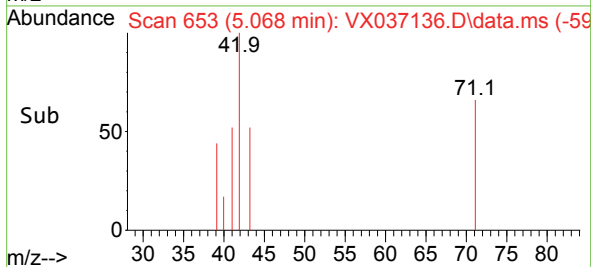
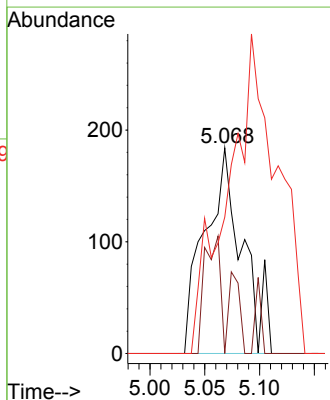
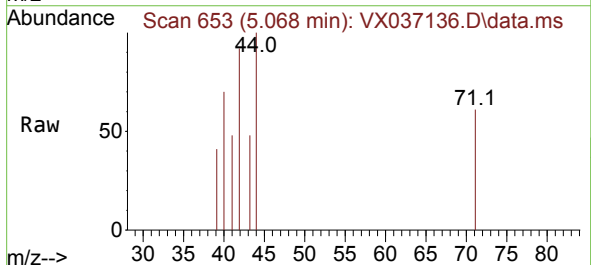


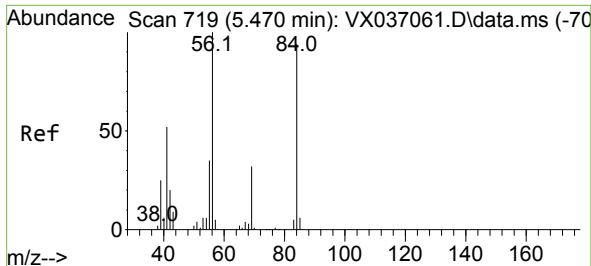
Tgt Ion: 84 Resp: 721
Ion Ratio Lower Upper
84 100
49 85.5 103.6 155.4#
51 51.4 33.8 50.6#
86 88.3 49.4 74.0#



#29
Tetrahydrofuran
Concen: 0.583 ug/l
RT: 5.068 min Scan# 653
Delta R.T. 0.061 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

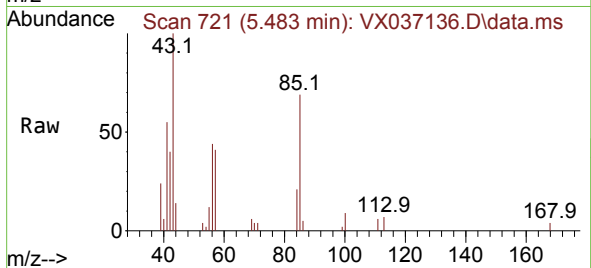
Tgt Ion: 42 Resp: 438
Ion Ratio Lower Upper
42 100
72 23.7 34.2 51.4#
71 0.0 32.2 48.2#



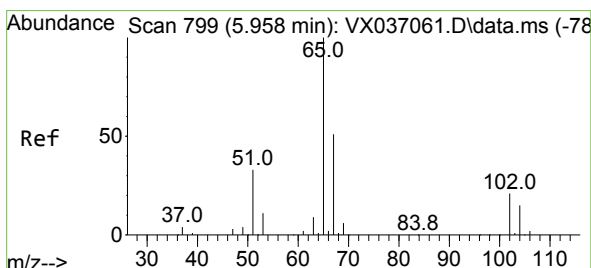
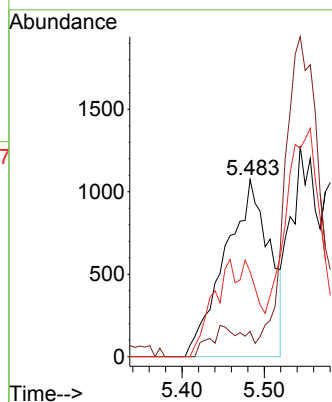
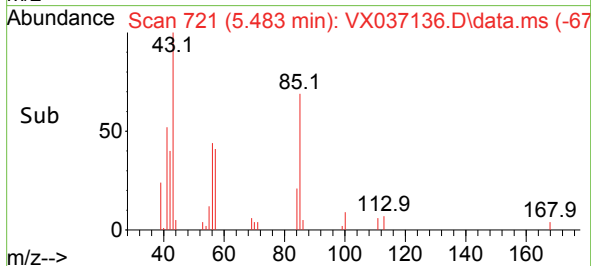


#31
Cyclohexane
Concen: 1.790 ug/l
RT: 5.483 min Scan# 719
Delta R.T. 0.012 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

Instrument :
MSVOA_X
ClientSampleId :

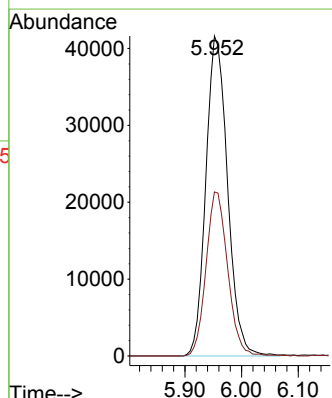
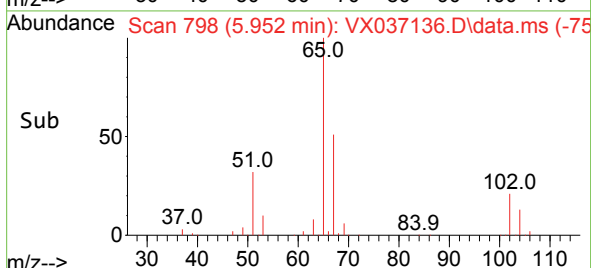
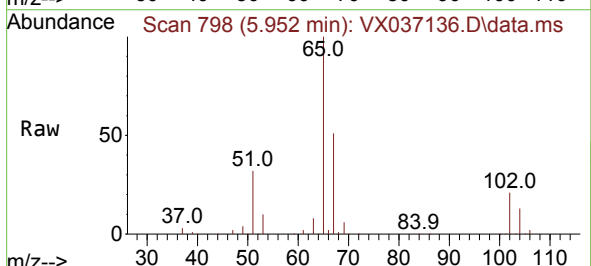


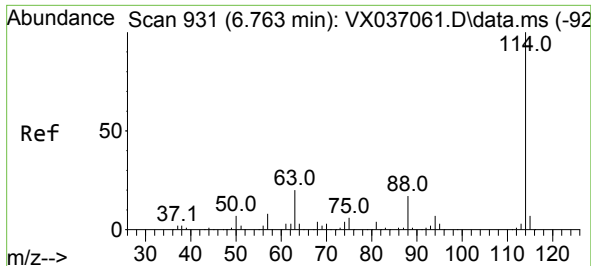
Tgt Ion: 56 Resp: 4025
Ion Ratio Lower Upper
56 100
69 14.2 23.4 35.2#
84 47.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 55.402 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

Tgt Ion: 65 Resp: 110823
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

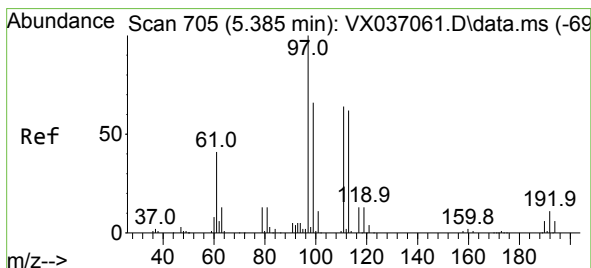
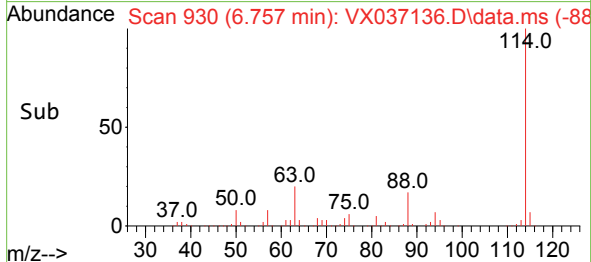
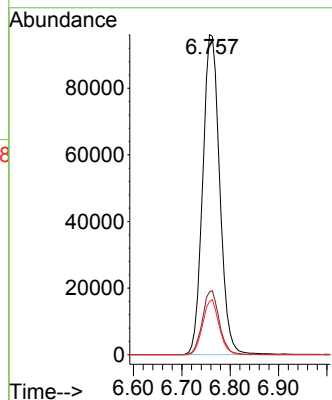
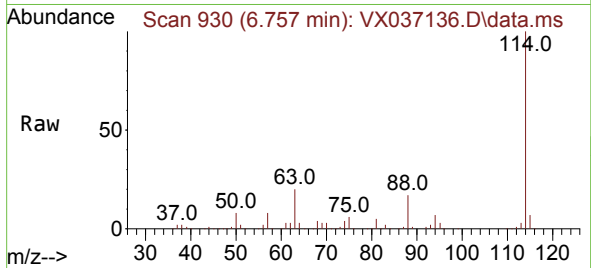




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

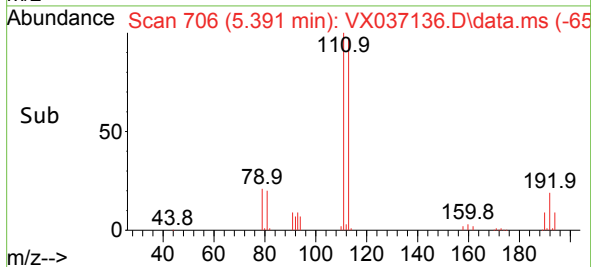
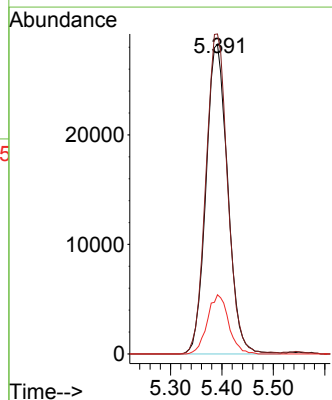
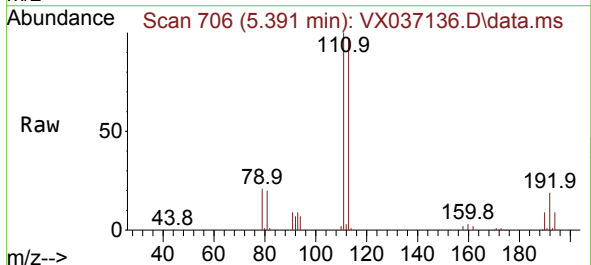
Instrument :
MSVOA_X
ClientSampleId :

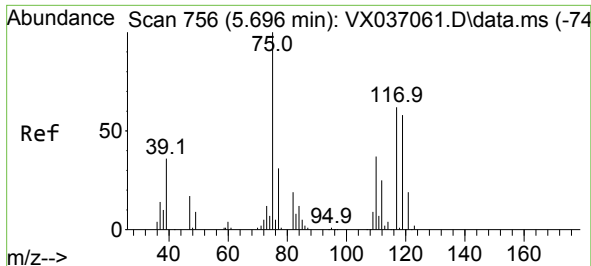
Tgt Ion:114 Resp: 234686
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.411 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

Tgt Ion:113 Resp: 83015
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 18.7 13.3 19.9

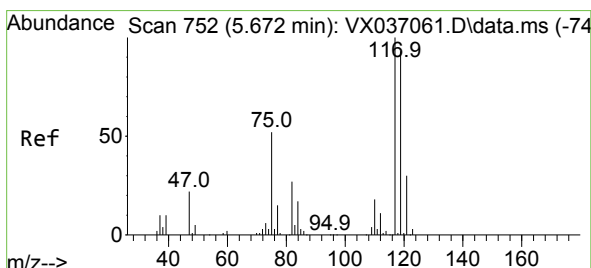
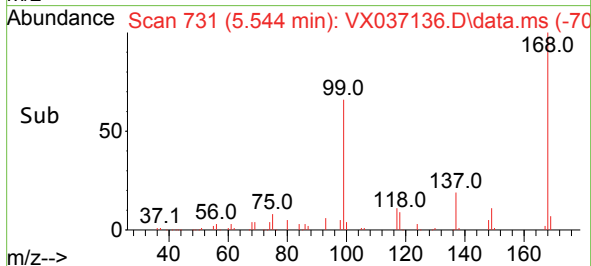
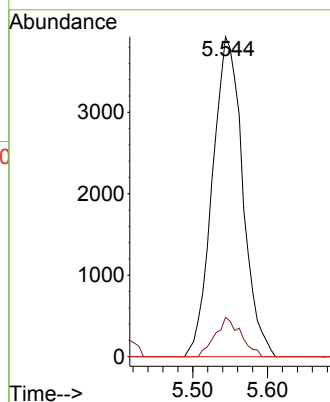
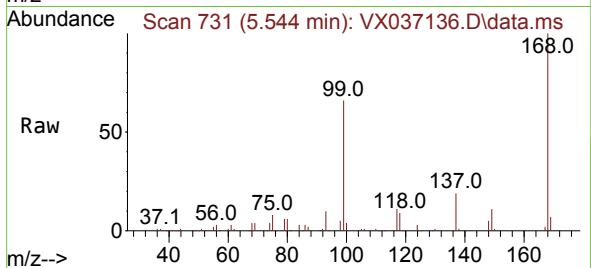




#36
1,1-Dichloropropene
Concen: 4.997 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

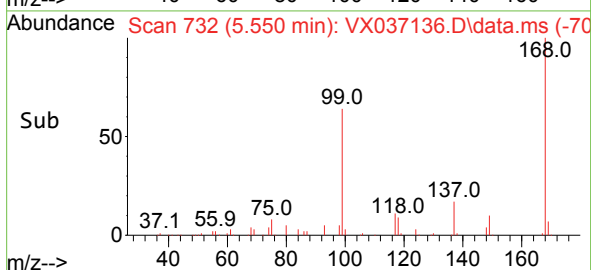
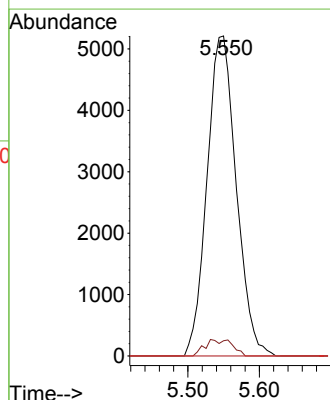
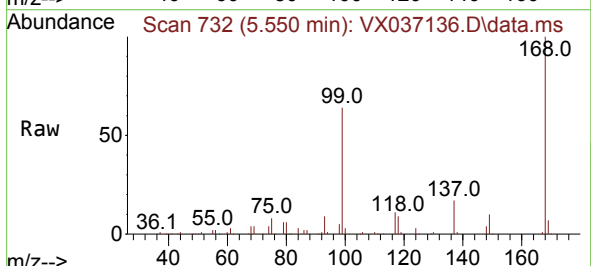
Instrument :
MSVOA_X
ClientSampleId :

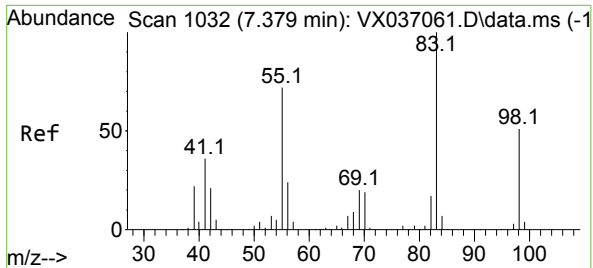
Tgt Ion: 75 Resp: 11035
Ion Ratio Lower Upper
75 100
110 10.4 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.169 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

Tgt Ion: 117 Resp: 14797
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 1.887 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VX037136.D

Acq: 21 Aug 2023 17:20

Instrument :

MSVOA_X

ClientSampleId :

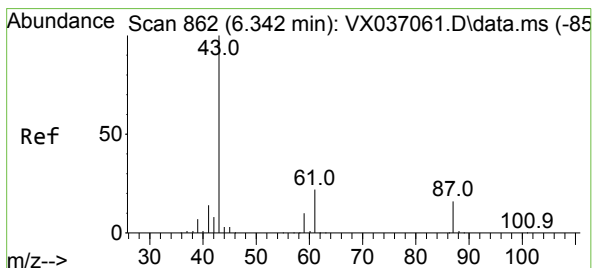
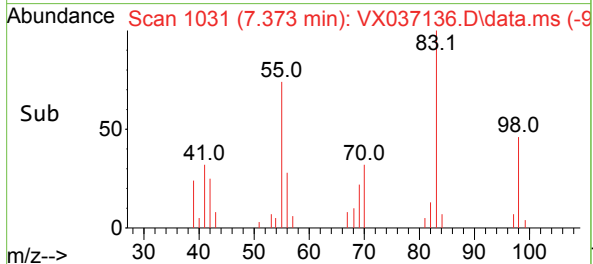
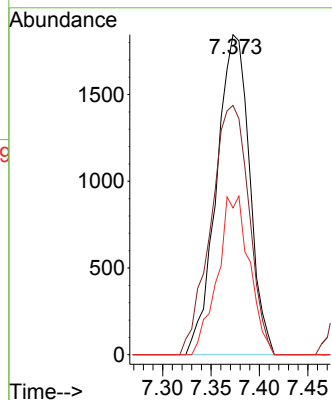
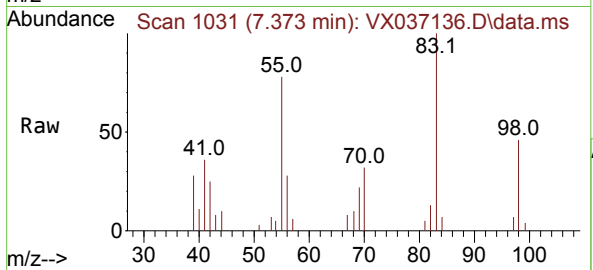
Tgt Ion: 83 Resp: 4379

Ion Ratio Lower Upper

83 100

55 77.9 64.6 97.0

98 45.9 36.7 55.1



#43

Isopropyl Acetate

Concen: 0.214 ug/l

RT: 6.373 min Scan# 867

Delta R.T. 0.031 min

Lab File: VX037136.D

Acq: 21 Aug 2023 17:20

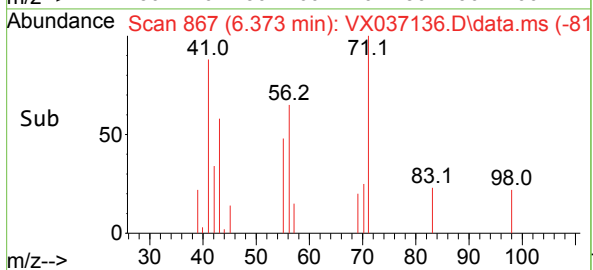
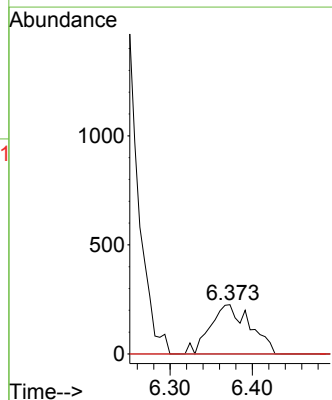
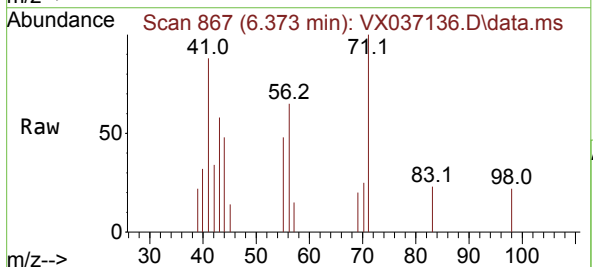
Tgt Ion: 43 Resp: 765

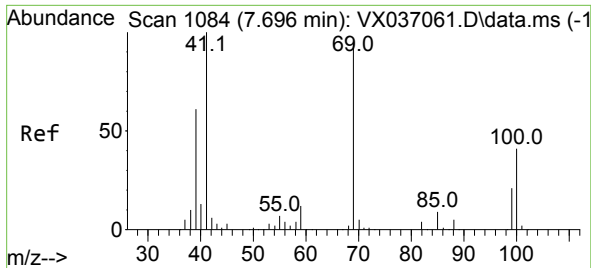
Ion Ratio Lower Upper

43 100

61 0.0 15.2 22.8#

87 0.0 9.8 14.6#

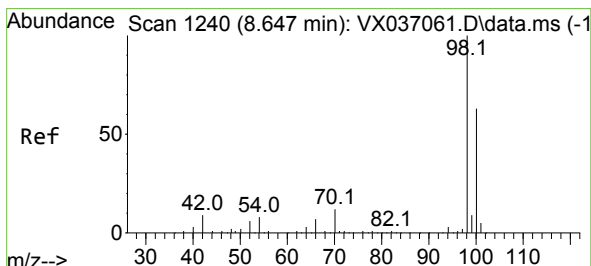
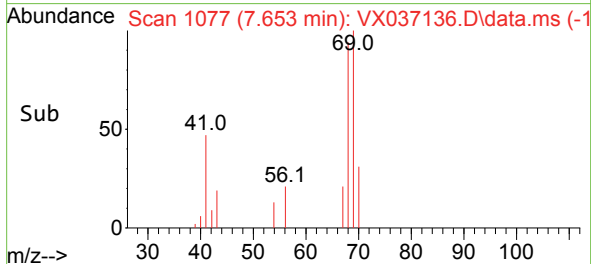
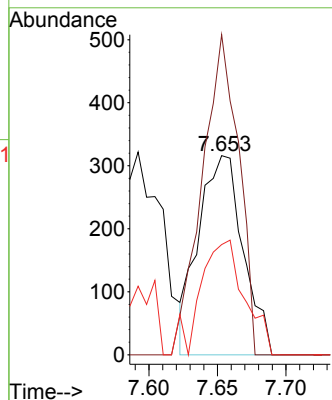
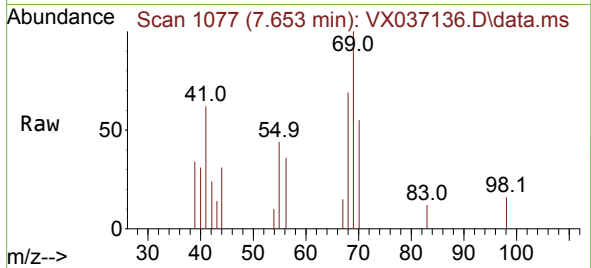




#48
Methyl methacrylate
Concen: 0.411 ug/l
RT: 7.653 min Scan# 1084
Delta R.T. -0.043 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

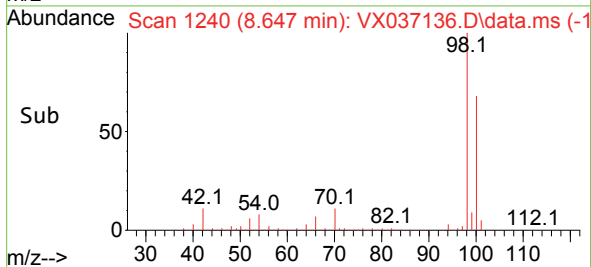
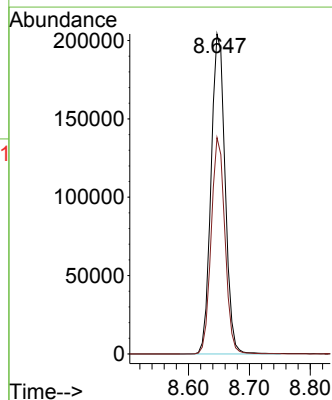
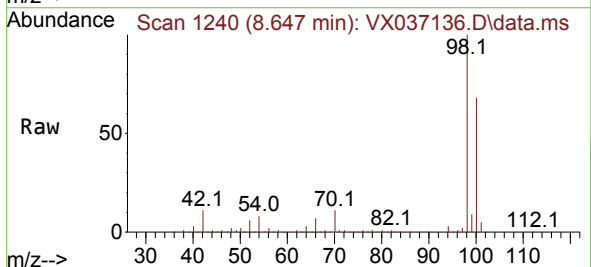
Instrument :
MSVOA_X
ClientSampleId :

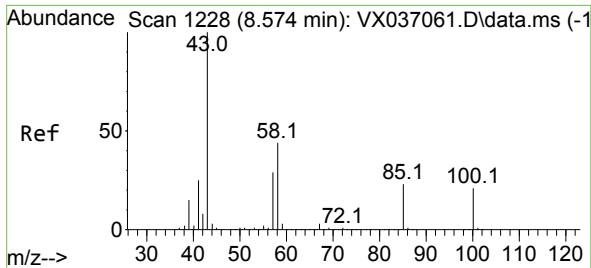
Tgt Ion: 41 Resp: 717
Ion Ratio Lower Upper
41 100
69 131.7 59.2 88.8#
39 56.9 47.7 71.5



#50
Toluene-d8
Concen: 57.906 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

Tgt Ion: 98 Resp: 326469
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

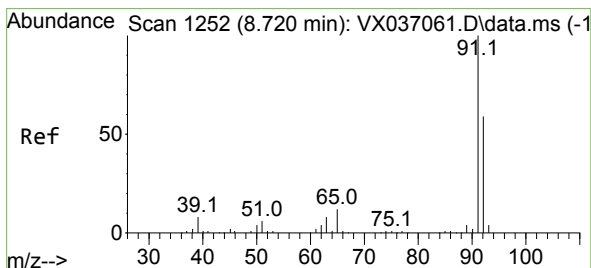
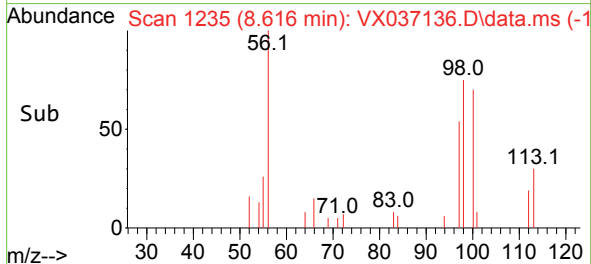
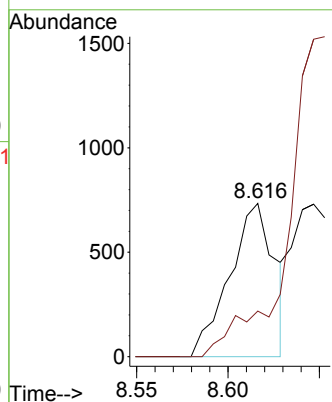
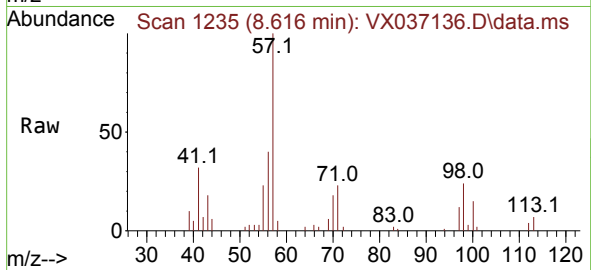




#51
4-Methyl-2-Pentanone
Concen: 0.574 ug/l
RT: 8.616 min Scan# 1235
Delta R.T. 0.043 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

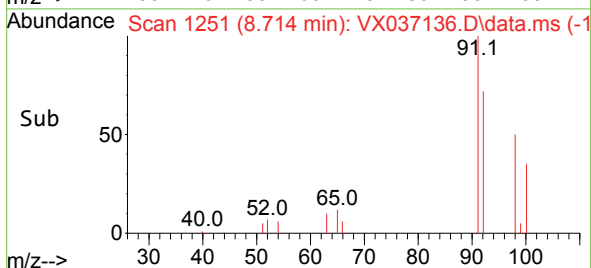
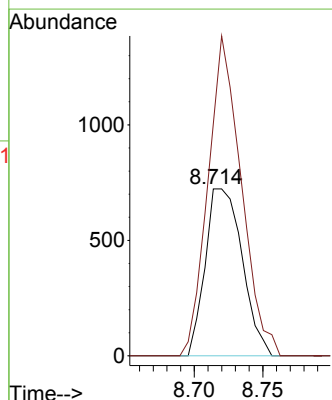
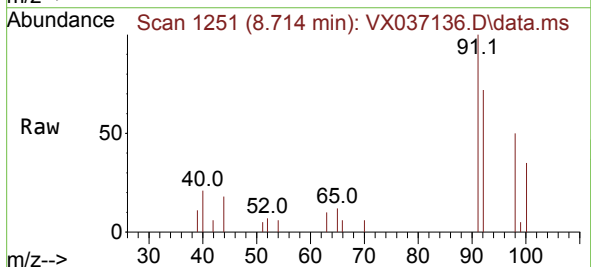
Instrument :
MSVOA_X
ClientSampleId :

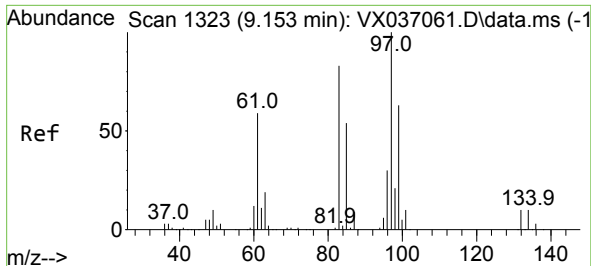
Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#52
Toluene
Concen: 0.324 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

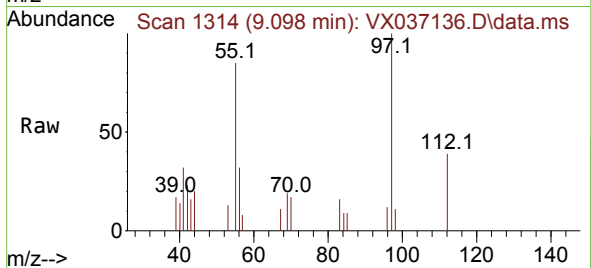
Tgt Ion: 92 Resp: 1355
Ion Ratio Lower Upper
92 100
91 172.4 134.2 201.2



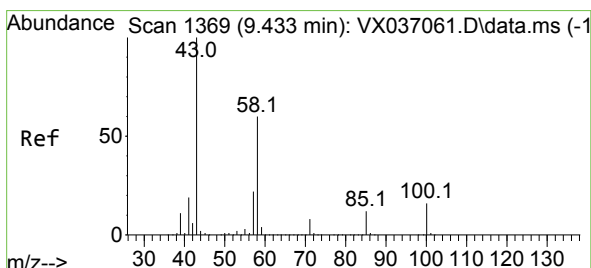
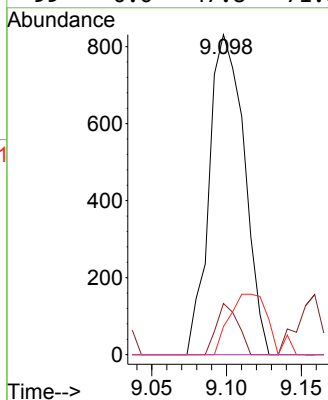
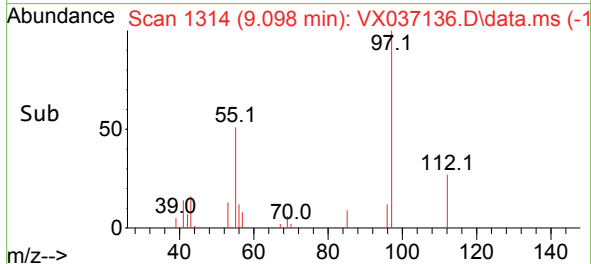


#55
 1,1,2-Trichloroethane
 Concen: 0.798 ug/l
 RT: 9.098 min Scan# 1359
 Delta R.T. -0.055 min
 Lab File: VX037136.D
 Acq: 21 Aug 2023 17:20

Instrument :
 MSVOA_X
 ClientSampleId :

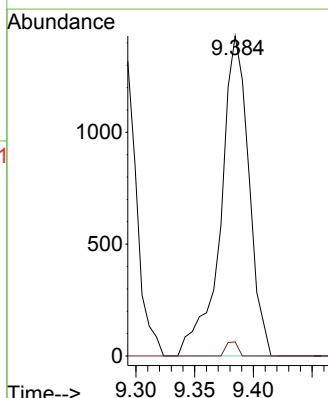
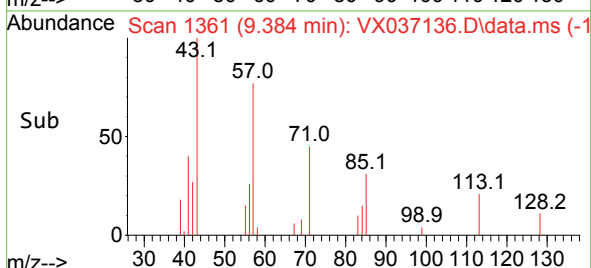
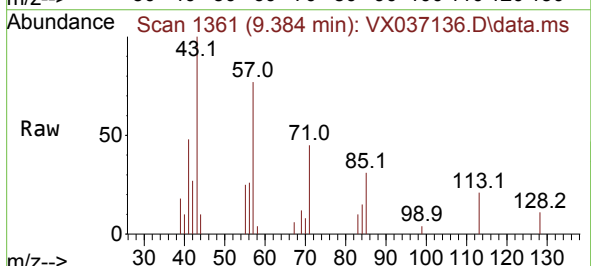


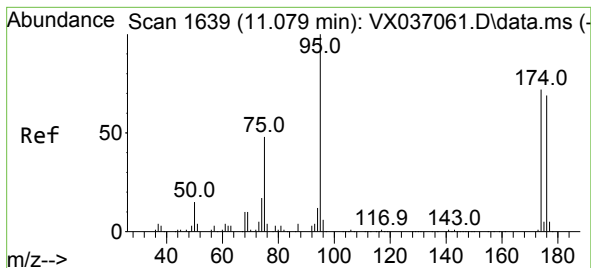
Tgt Ion: 97	Resp: 1359
Ion Ratio	Lower Upper
97 100	
83 16.0	65.8 98.8#
85 8.8	41.6 62.4#
99 0.0	47.8 71.8#



#59
 2-Hexanone
 Concen: 1.437 ug/l
 RT: 9.384 min Scan# 1361
 Delta R.T. -0.049 min
 Lab File: VX037136.D
 Acq: 21 Aug 2023 17:20

Tgt Ion: 43	Resp: 2383
Ion Ratio	Lower Upper
43 100	
58 1.9	26.2 78.5#

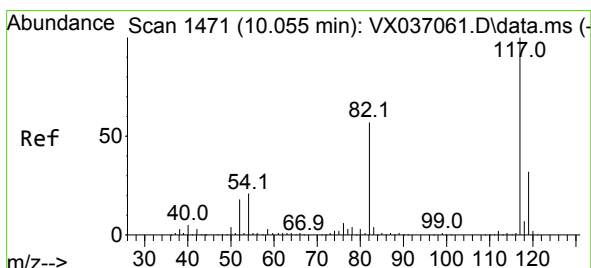
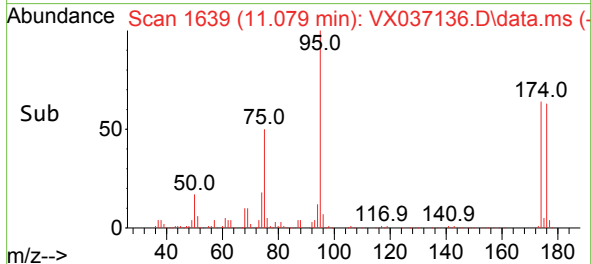
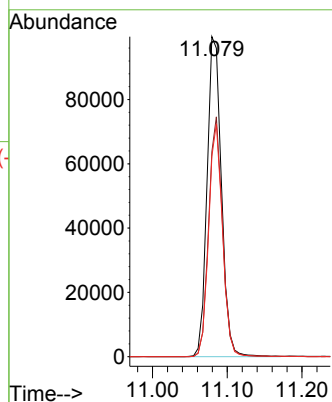
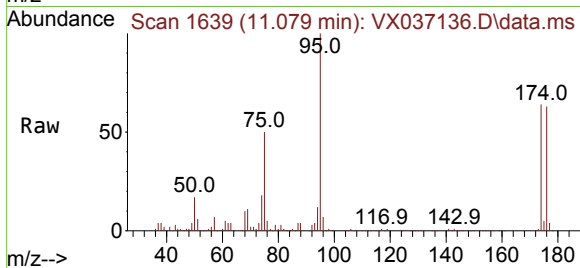




#62
4-Bromofluorobenzene
Concen: 59.978 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

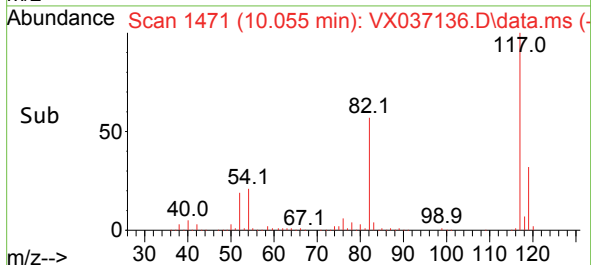
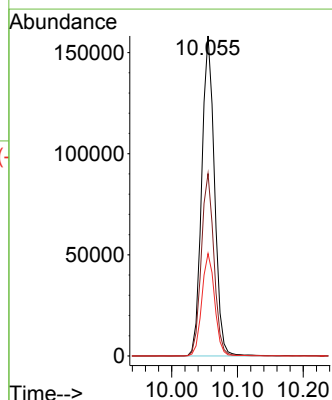
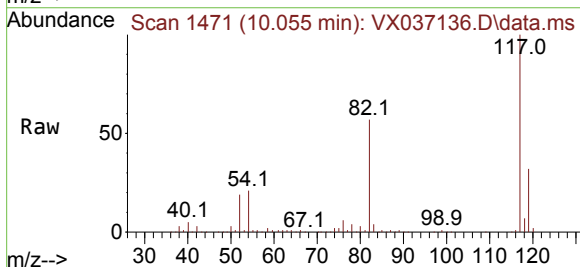
Instrument :
MSVOA_X
ClientSampleId :

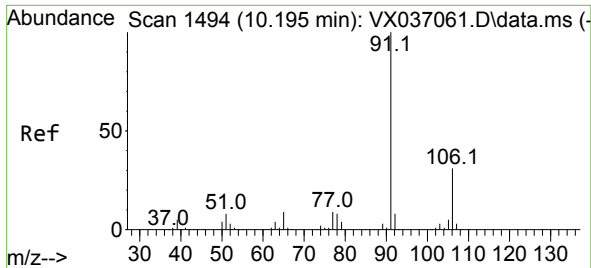
Tgt Ion: 95 Resp: 132889
Ion Ratio Lower Upper
95 100
174 72.1 0.0 135.6
176 69.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

Tgt Ion: 117 Resp: 213967
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.4
119 32.0 25.5 38.3

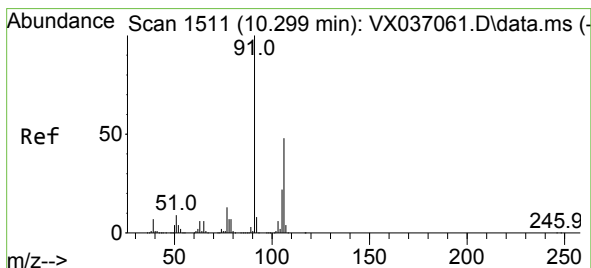
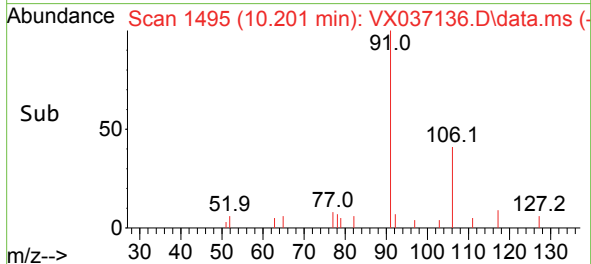
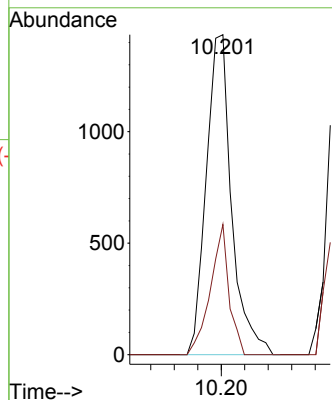
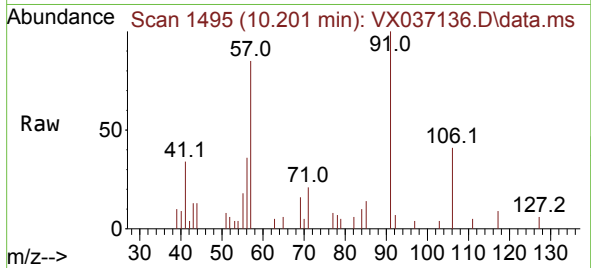




#67
Ethyl Benzene
Concen: 0.270 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

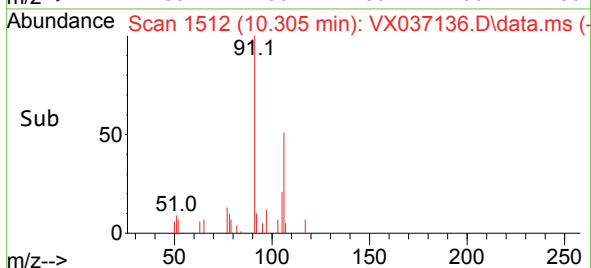
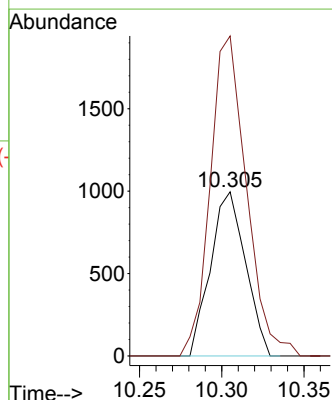
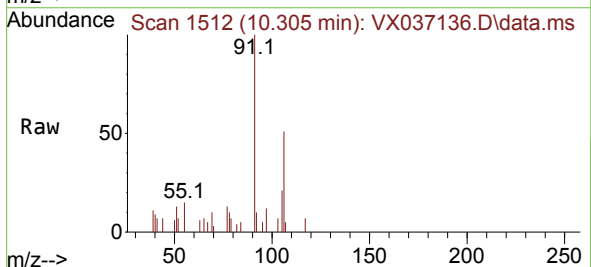
Instrument :
MSVOA_X
ClientSampleId :

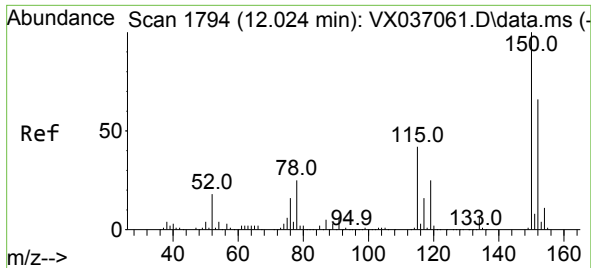
Tgt Ion: 91 Resp: 2151
Ion Ratio Lower Upper
91 100
106 40.7 24.9 37.3#



#68
m/p-Xylenes
Concen: 0.479 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

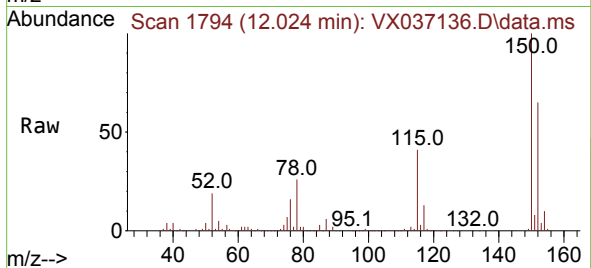
Tgt Ion: 106 Resp: 1473
Ion Ratio Lower Upper
106 100
91 201.7 165.5 248.3



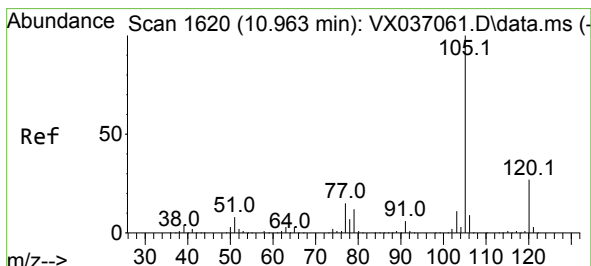
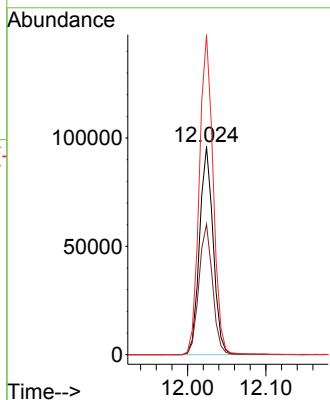
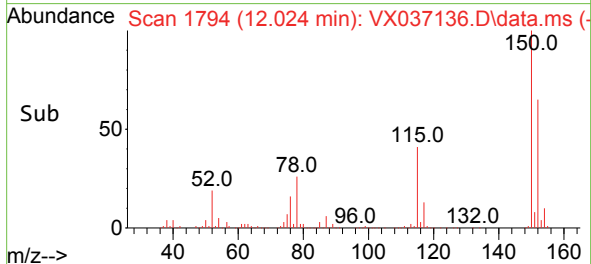


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

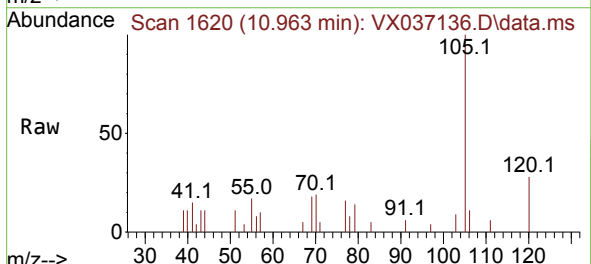
Instrument :
MSVOA_X
ClientSampleId :



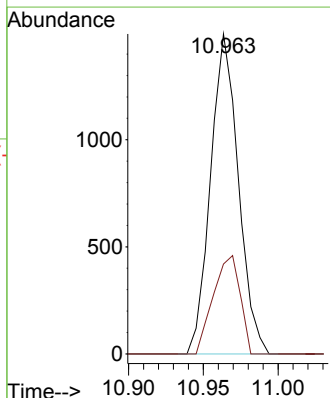
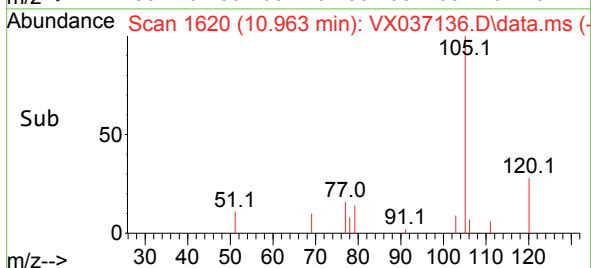
Tgt Ion:152 Resp: 116321
Ion Ratio Lower Upper
152 100
115 62.7 43.3 129.9
150 155.5 0.0 345.0

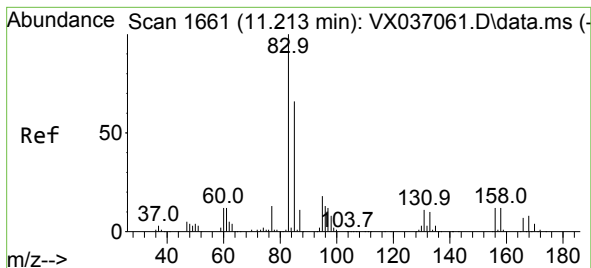


#73
Isopropylbenzene
Concen: 0.228 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20



Tgt Ion:105 Resp: 1930
Ion Ratio Lower Upper
105 100
120 29.5 12.9 38.6





#75

1,1,2,2-Tetrachloroethane

Concen: 0.271 ug/l

RT: 11.189 min Scan# 1657

Delta R.T. -0.024 min

Lab File: VX037136.D

Acq: 21 Aug 2023 17:20

Instrument :

MSVOA_X

ClientSampleId :

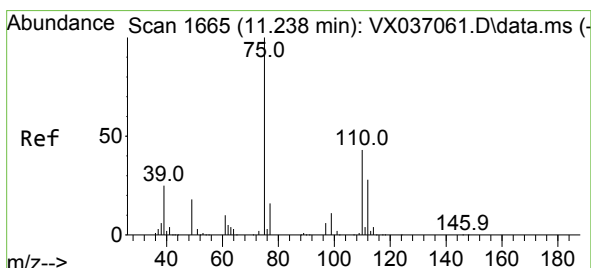
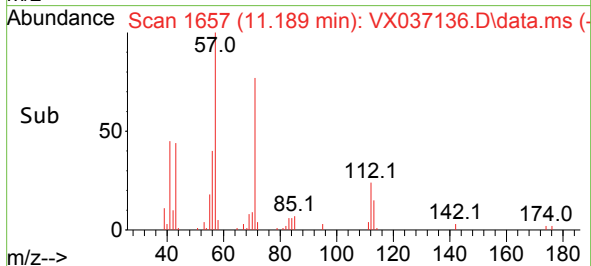
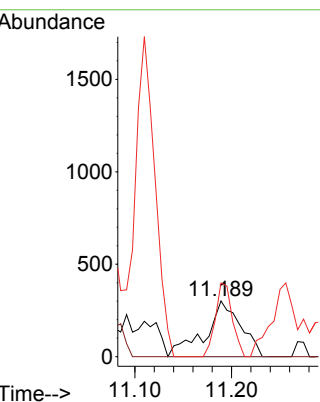
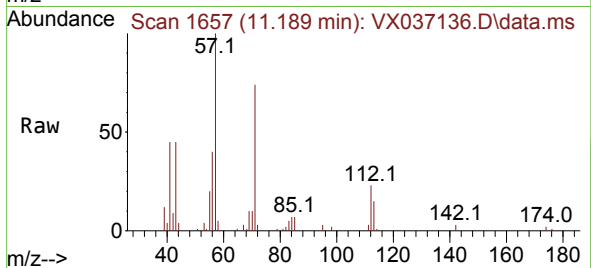
Tgt Ion: 83 Resp: 771

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

85 62.3 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 26.998 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037136.D

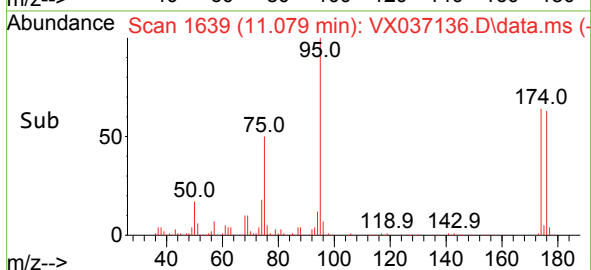
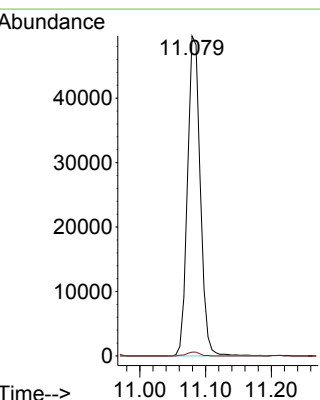
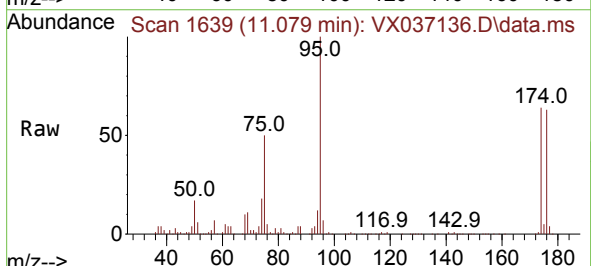
Acq: 21 Aug 2023 17:20

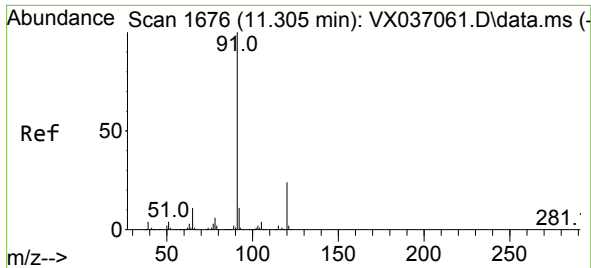
Tgt Ion: 75 Resp: 66881

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

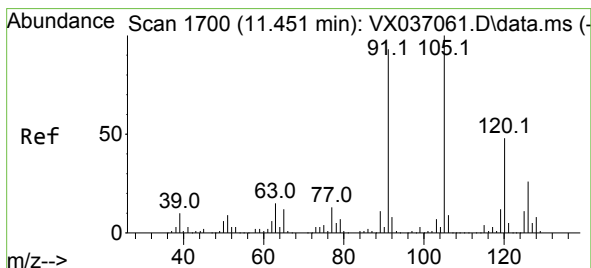
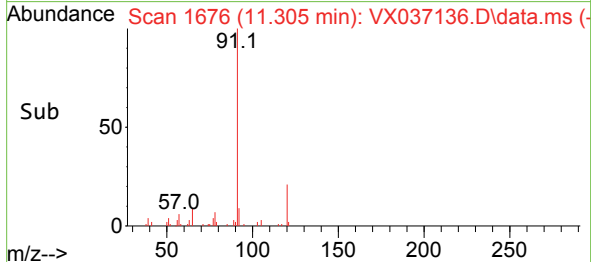
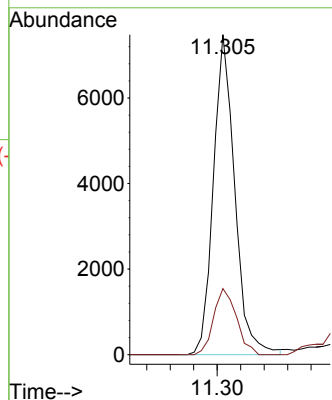
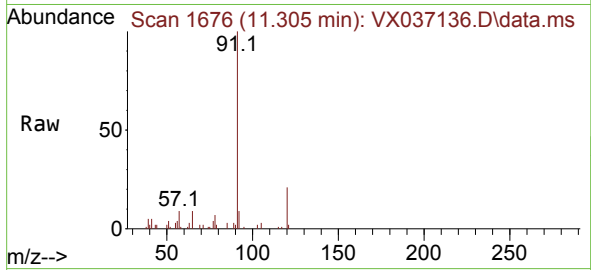




#78
n-propylbenzene
Concen: 1.002 ug/l
RT: 11.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

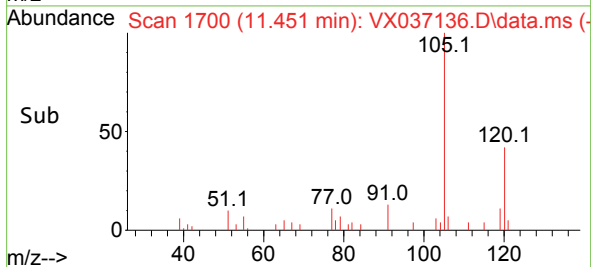
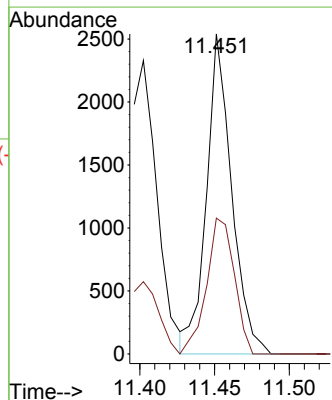
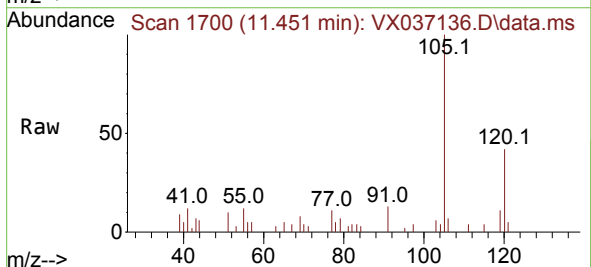
Instrument :
MSVOA_X
ClientSampleId :

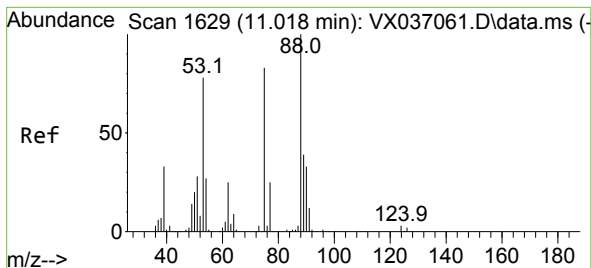
Tgt Ion: 91 Resp: 9431
Ion Ratio Lower Upper
91 100
120 22.0 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 0.422 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

Tgt Ion: 105 Resp: 2974
Ion Ratio Lower Upper
105 100
120 46.9 24.1 72.3

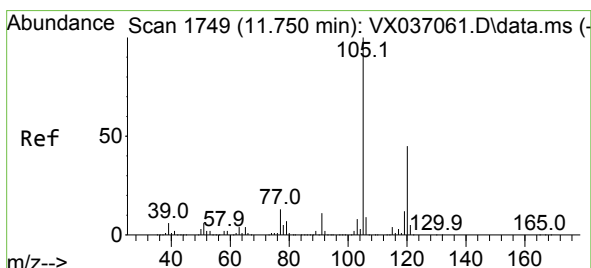
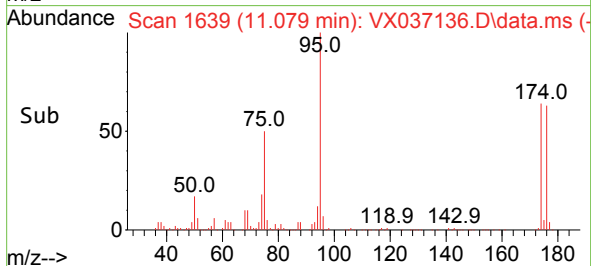
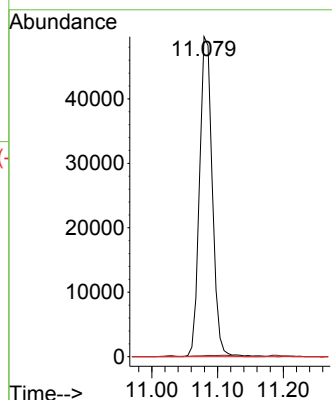
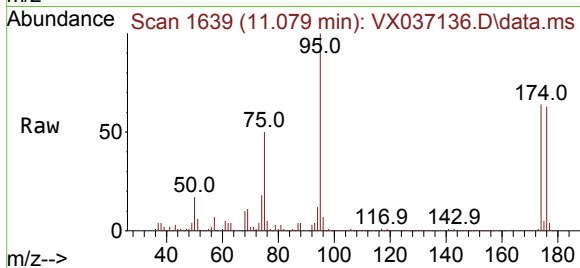




#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.407 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037136.D
 Acq: 21 Aug 2023 17:20

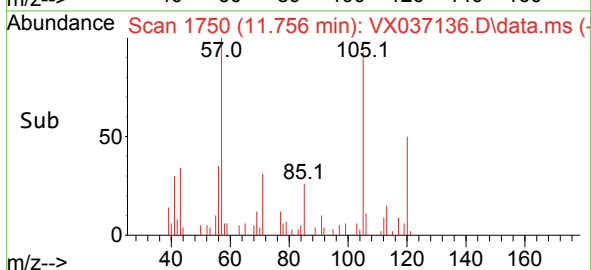
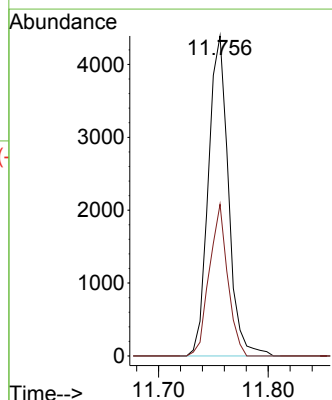
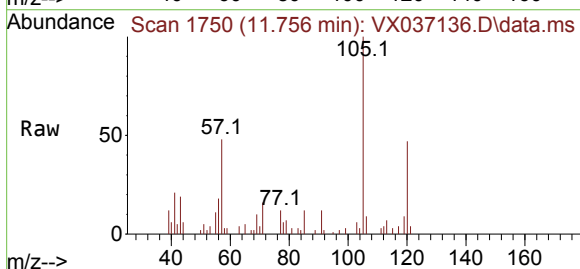
Instrument :
 MSVOA_X
 ClientSampleId :

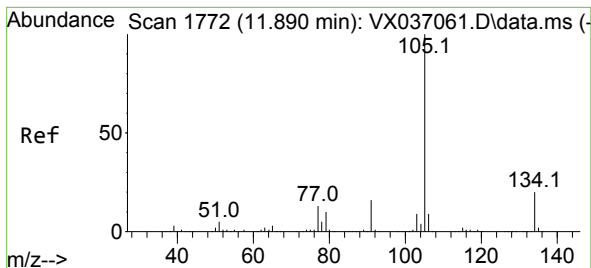
Tgt Ion: 75 Resp: 66881
 Ion Ratio Lower Upper
 75 100
 53 0.6 90.5 135.7#
 89 0.0 36.9 55.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.783 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX037136.D
 Acq: 21 Aug 2023 17:20

Tgt Ion:105 Resp: 5579
 Ion Ratio Lower Upper
 105 100
 120 43.4 21.2 63.6





#85

sec-Butylbenzene

Concen: 0.297 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX037136.D

Acq: 21 Aug 2023 17:20

Instrument :

MSVOA_X

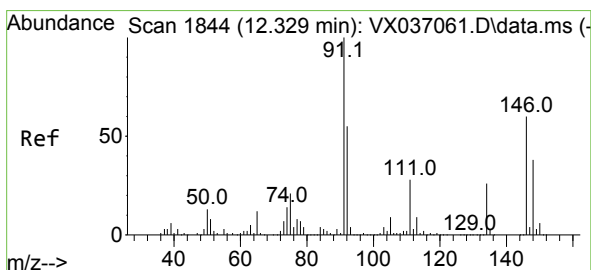
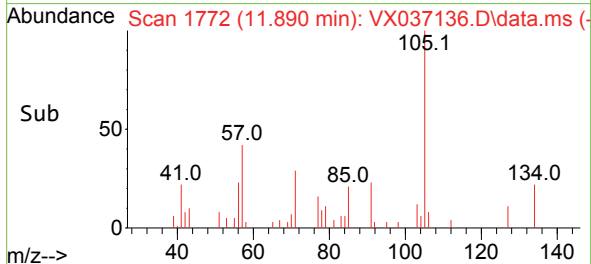
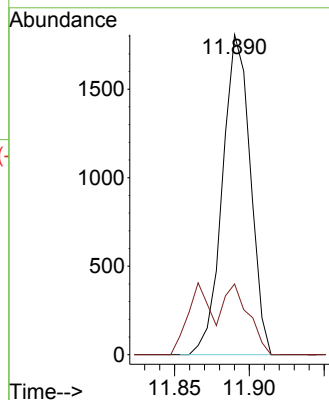
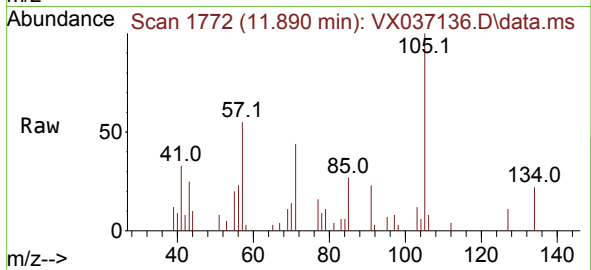
ClientSampleId :

Tgt Ion:105 Resp: 2337

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.4



#89

n-Butylbenzene

Concen: 1.504 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX037136.D

Acq: 21 Aug 2023 17:20

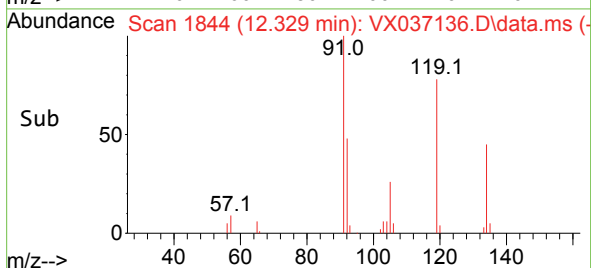
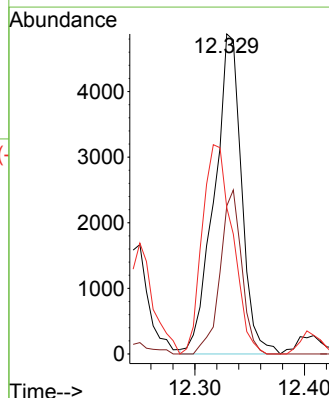
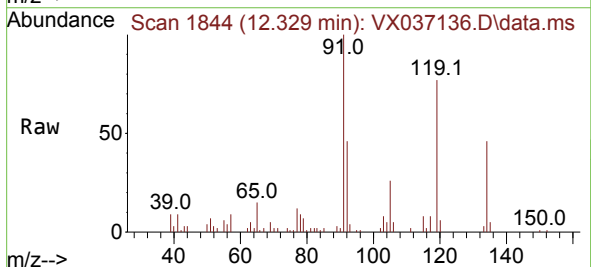
Tgt Ion: 91 Resp: 8432

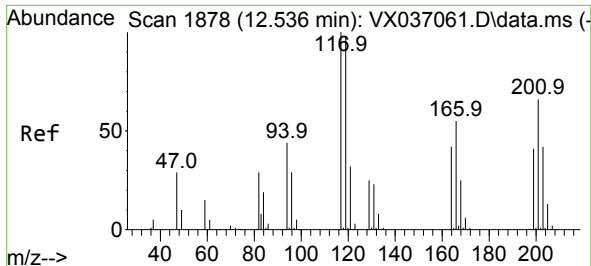
Ion Ratio Lower Upper

91 100

92 40.5 27.4 82.0

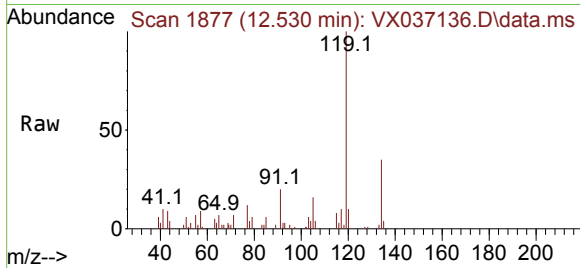
134 72.5 12.6 37.8#



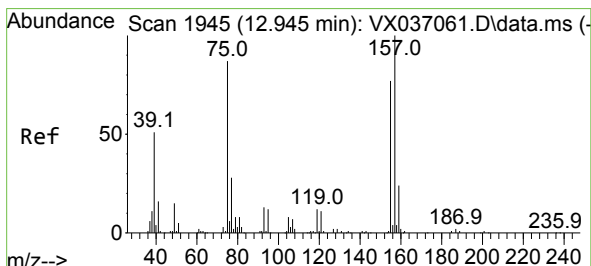
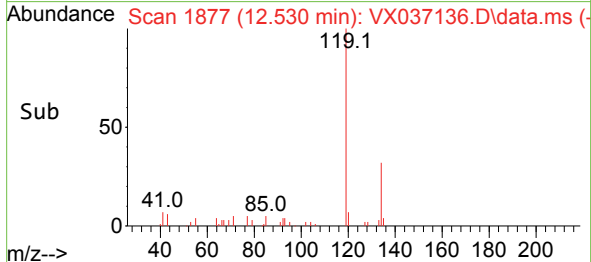
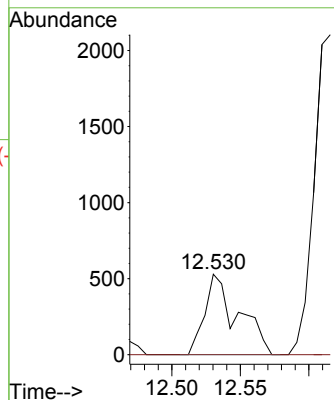


#90
Hexachloroethane
Concen: 0.791 ug/l
RT: 12.530 min Scan# 117
Delta R.T. -0.006 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

Instrument :
MSVOA_X
ClientSampleId :

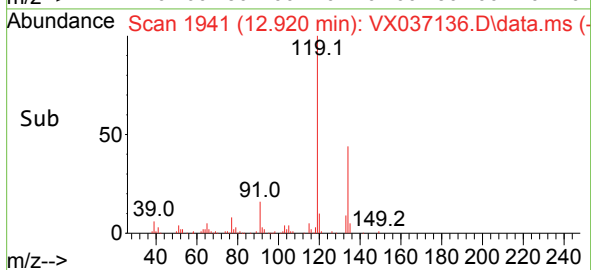
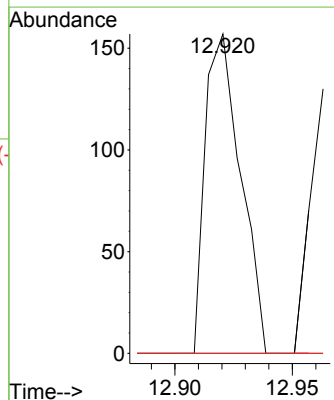
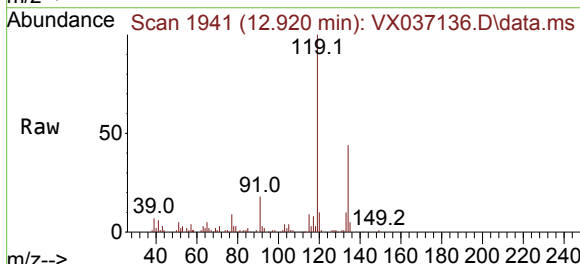


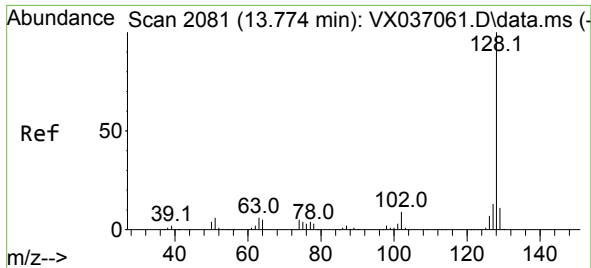
Tgt Ion:117 Resp: 893
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.249 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.024 min
Lab File: VX037136.D
Acq: 21 Aug 2023 17:20

Tgt Ion: 75 Resp: 165
Ion Ratio Lower Upper
75 100
155 0.0 36.1 108.5#
157 0.0 44.9 134.7#





#95

Naphthalene

Concen: 4.870 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

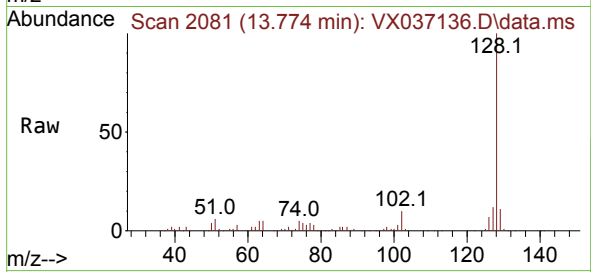
Lab File: VX037136.D

Acq: 21 Aug 2023 17:20

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	128	Resp:	47250
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.7	8.8	13.2

