

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092023\
 Data File : VX037824.D
 Acq On : 20 Sep 2023 11:37
 Operator : JC/MD
 Sample : 04511-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

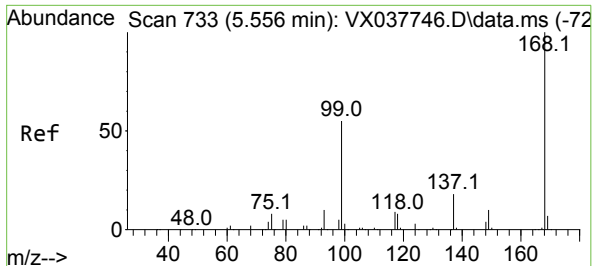
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 21 05:54:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	237435	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	397632	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	379658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	193211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	144631	46.363	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.720%		
35) Dibromofluoromethane	5.385	113	122405	46.007	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.020%		
50) Toluene-d8	8.647	98	481190	48.675	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.360%		
62) 4-Bromofluorobenzene	11.079	95	177363	49.373	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.740%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.959	59	153	0.228	ug/l	# 78
13) Acrolein	2.233	56	535	0.809	ug/l	# 1
16) Acetone	2.374	43	4175	2.782	ug/l	93
17) Carbon Disulfide	2.514	76	1903	0.328	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	2524	0.296	ug/l	97
20) Methylene Chloride	2.788	84	1335	0.456	ug/l	# 75
25) 2-Butanone	4.721	43	46892	22.143	ug/l	# 51
36) 1,1-Dichloropropene	5.550	75	17642	4.814	ug/l	# 51
37) Ethyl Acetate	4.721	43	46937	11.649	ug/l	96
38) Carbon Tetrachloride	5.550	117	23781	6.201	ug/l	# 15
40) Benzene	6.044	78	15539	1.379	ug/l	100
52) Toluene	8.720	92	18472	2.543	ug/l	98
67) Ethyl Benzene	10.195	91	3175	0.224	ug/l	97
68) m/p-Xylenes	10.305	106	3406	0.621	ug/l	97
69) o-Xylene	10.647	106	1724	0.313	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	90747	20.307	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	90747	65.050	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	2756	0.231	ug/l	85
87) 1,3-Dichlorobenzene	11.976	146	1311	0.200	ug/l	88
89) n-Butylbenzene	12.335	91	3205	0.299	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	1805	0.459	ug/l	96
94) Hexachlorobutadiene	13.725	225	950	0.517	ug/l	96
95) Naphthalene	13.780	128	5325	0.400	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1675	0.414	ug/l	94

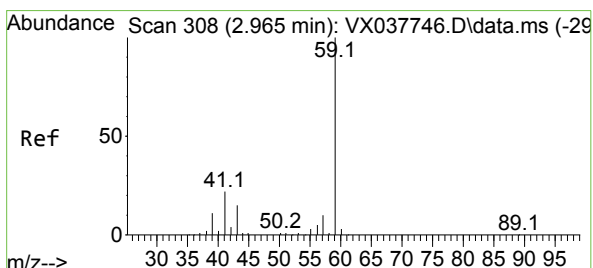
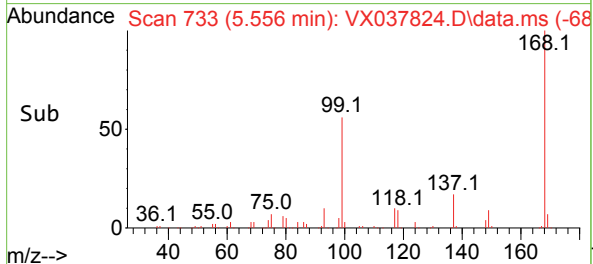
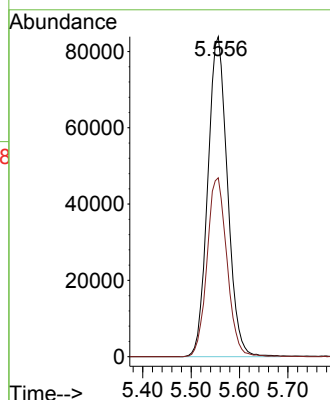
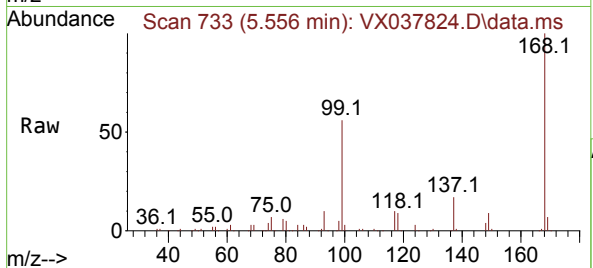
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

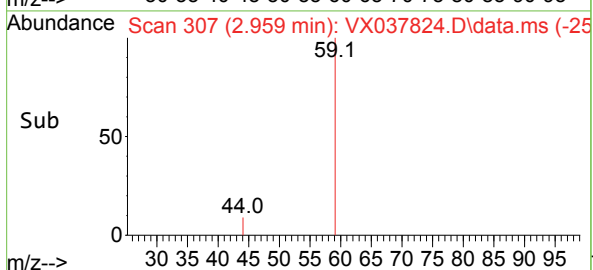
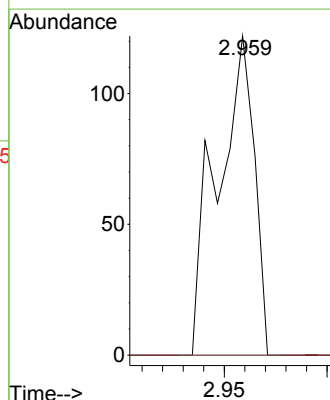
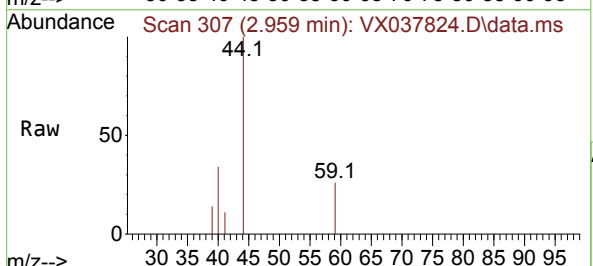
Instrument :
MSVOA_X
ClientSampleId :

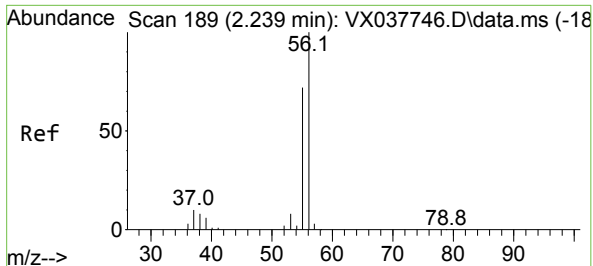
Tgt Ion:168 Resp: 237435
Ion Ratio Lower Upper
168 100
99 55.9 56.6 85.0#



#11
Tert butyl alcohol
Concen: 0.228 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

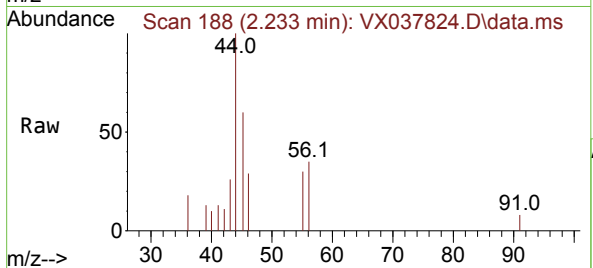
Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



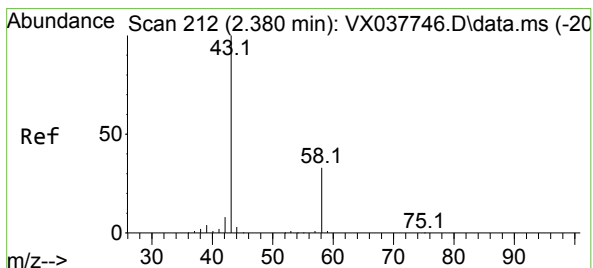
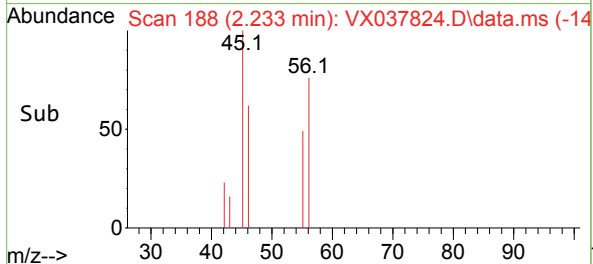
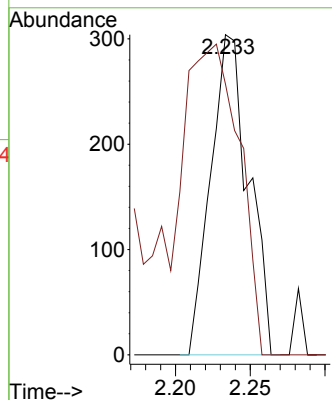


#13
Acrolein
Concen: 0.809 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

Instrument :
MSVOA_X
ClientSampleId :

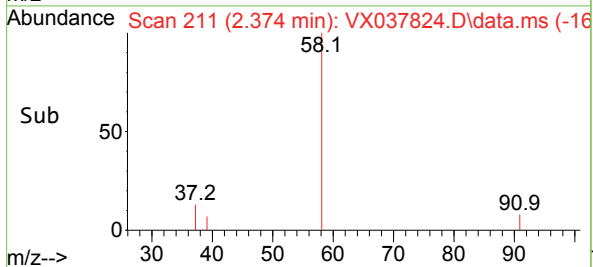
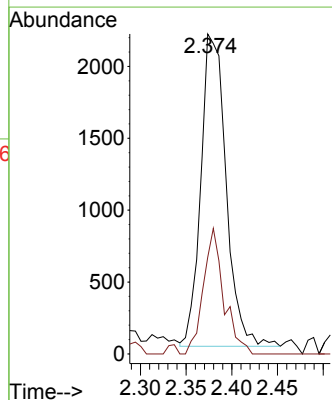
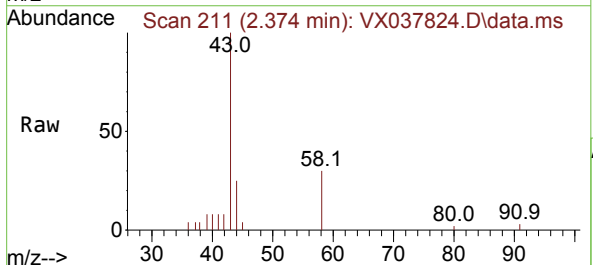


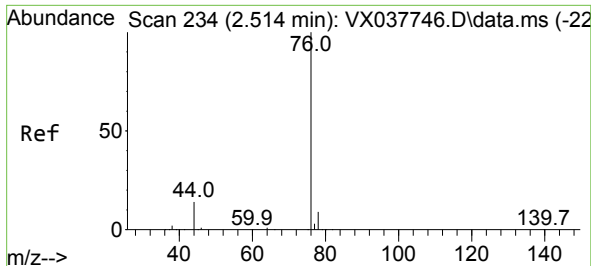
Tgt Ion: 56 Resp: 535
Ion Ratio Lower Upper
56 100
55 153.5 57.1 85.7#



#16
Acetone
Concen: 2.782 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

Tgt Ion: 43 Resp: 4175
Ion Ratio Lower Upper
43 100
58 30.9 21.9 32.9

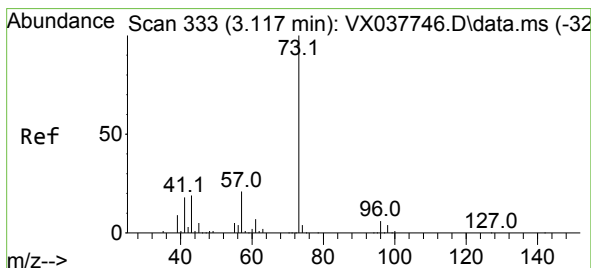
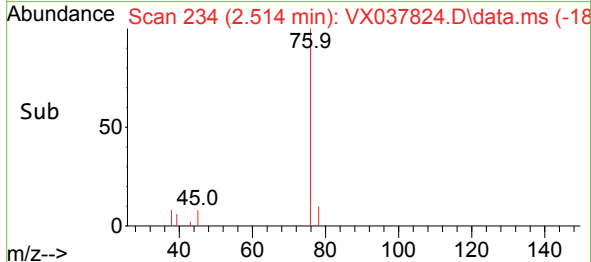
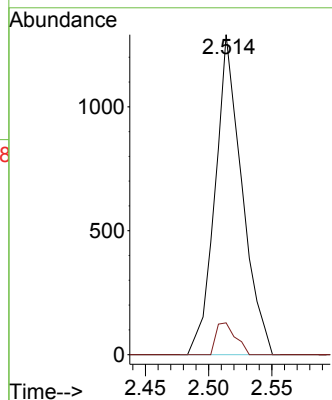
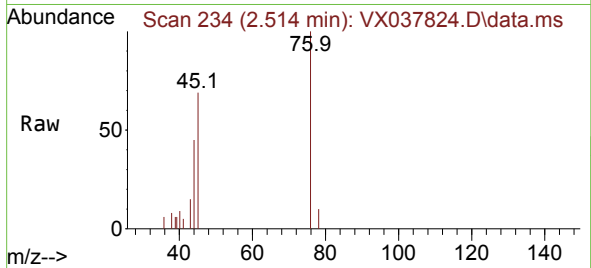




#17
Carbon Disulfide
Concen: 0.328 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

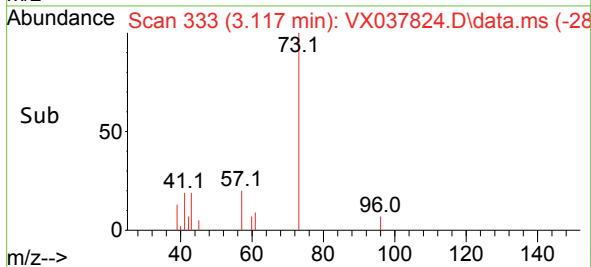
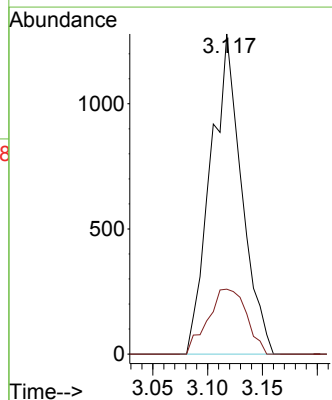
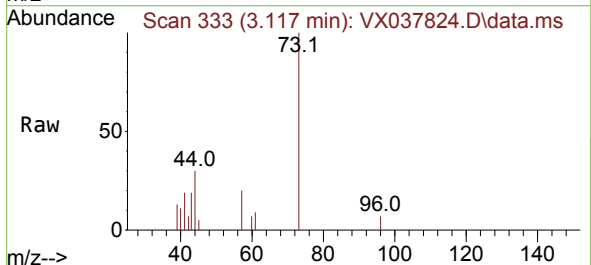
Instrument :
MSVOA_X
ClientSampleId :

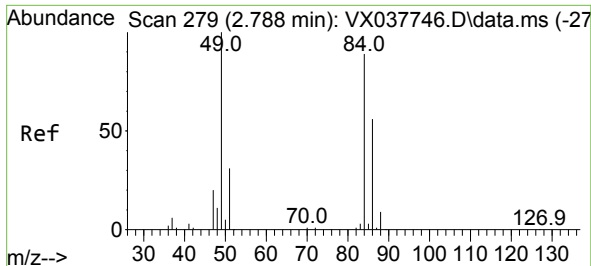
Tgt Ion: 76 Resp: 1903
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6



#19
Methyl tert-butyl Ether
Concen: 0.296 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.006 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

Tgt Ion: 73 Resp: 2524
Ion Ratio Lower Upper
73 100
57 20.3 17.3 25.9





#20

Methylene Chloride

Concen: 0.456 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

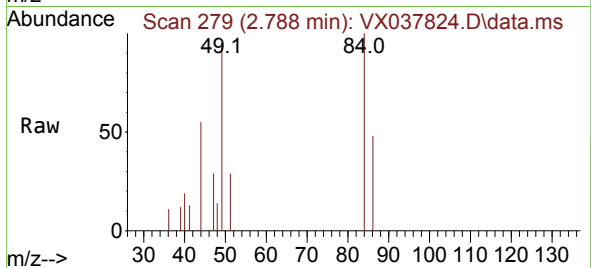
Lab File: VX037824.D

Acq: 20 Sep 2023 11:37

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1335

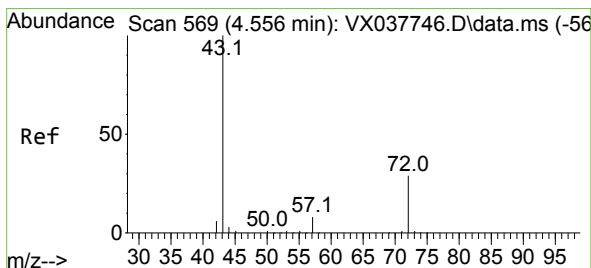
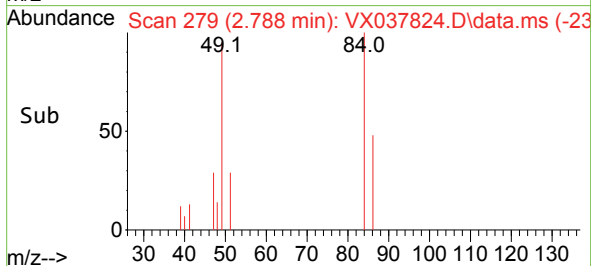
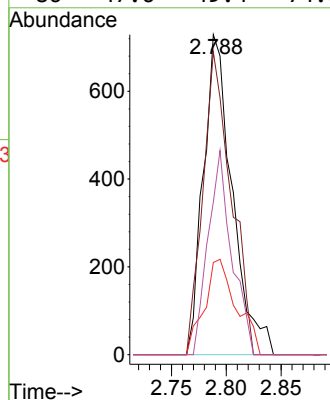
Ion Ratio Lower Upper

84 100

49 94.7 103.6 155.4#

51 28.8 33.8 50.6#

86 47.6 49.4 74.0#



#25

2-Butanone

Concen: 22.143 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.152 min

Lab File: VX037824.D

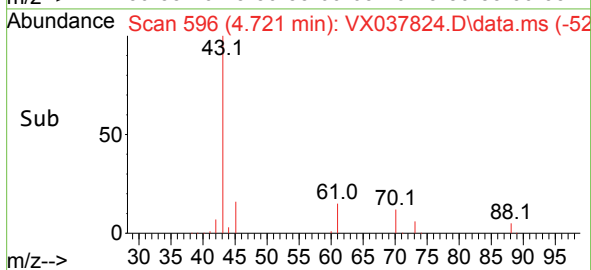
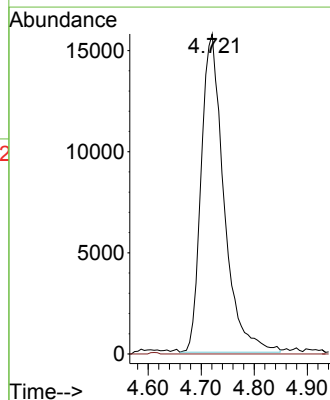
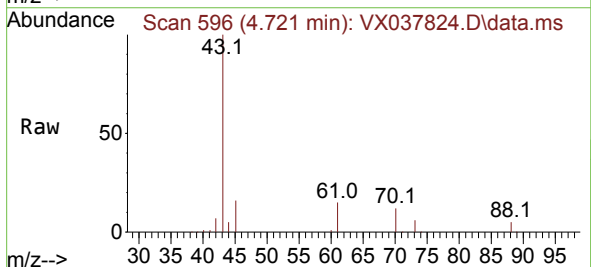
Acq: 20 Sep 2023 11:37

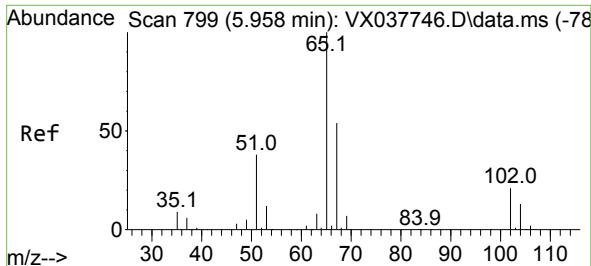
Tgt Ion: 43 Resp: 46892

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#

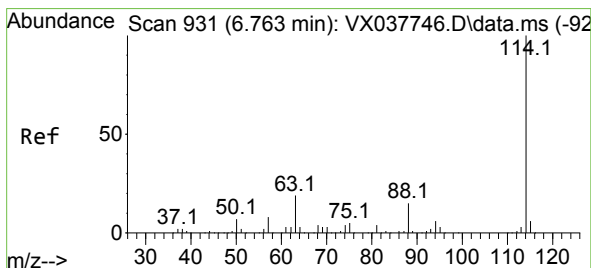
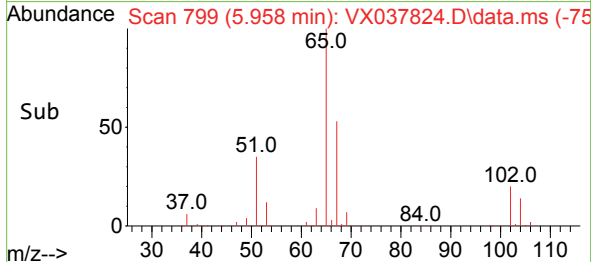
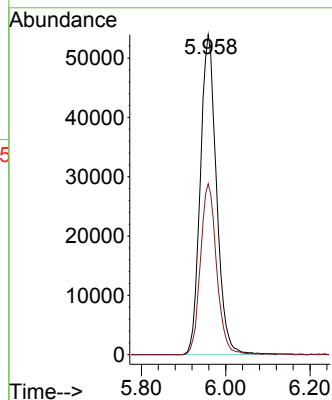
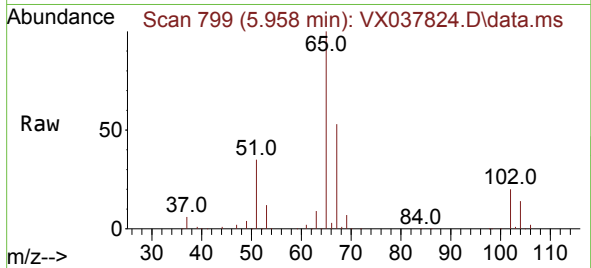




#33
1,2-Dichloroethane-d4
Concen: 46.363 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

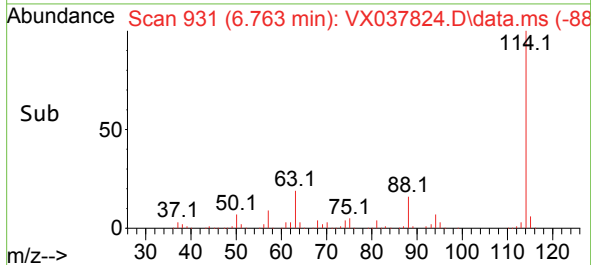
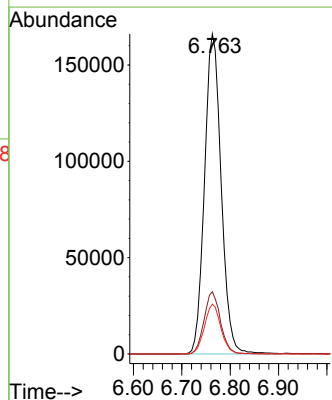
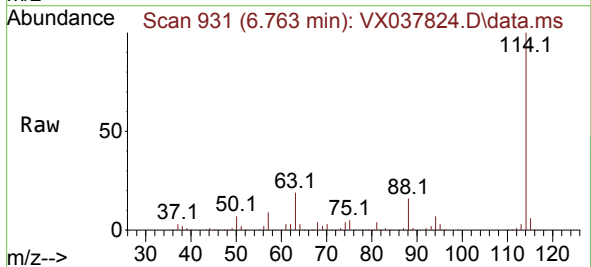
Instrument :
MSVOA_X
ClientSampleId :

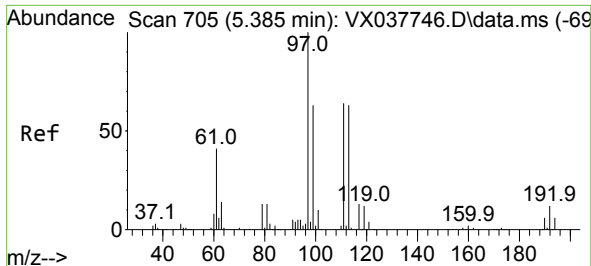
Tgt Ion: 65 Resp: 144631
Ion Ratio Lower Upper
65 100
67 53.2 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

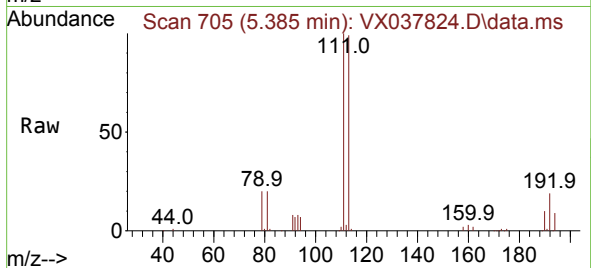
Tgt Ion:114 Resp: 397632
Ion Ratio Lower Upper
114 100
63 19.5 0.0 45.0
88 15.6 0.0 36.6



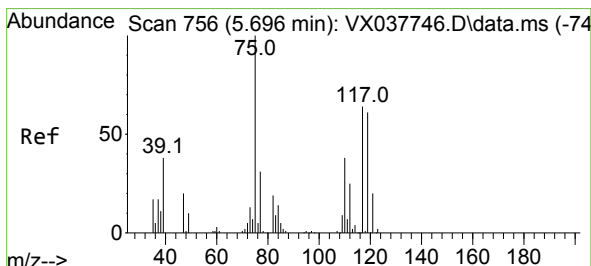
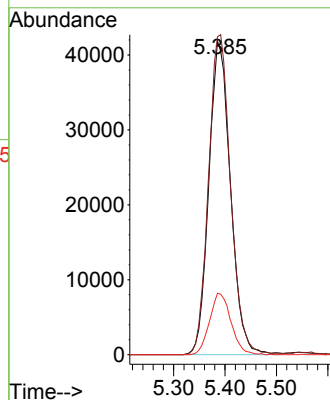
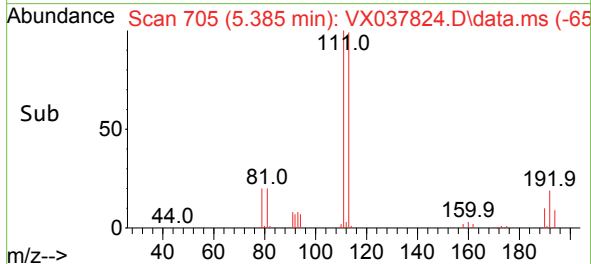


#35
Dibromofluoromethane
Concen: 46.007 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

Instrument :
MSVOA_X
ClientSampleId :

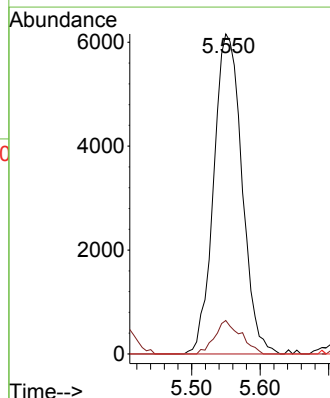
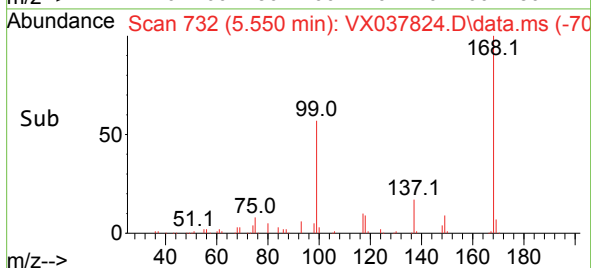
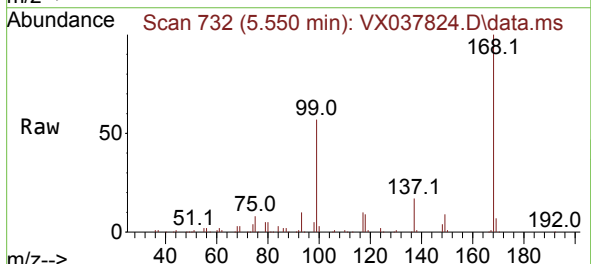


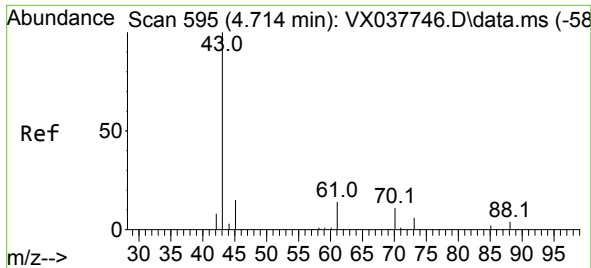
Tgt Ion:113 Resp: 122405
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 19.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.814 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

Tgt Ion: 75 Resp: 17642
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 11.649 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.012 min

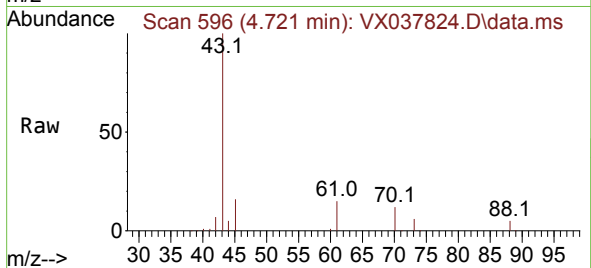
Lab File: VX037824.D

Acq: 20 Sep 2023 11:37

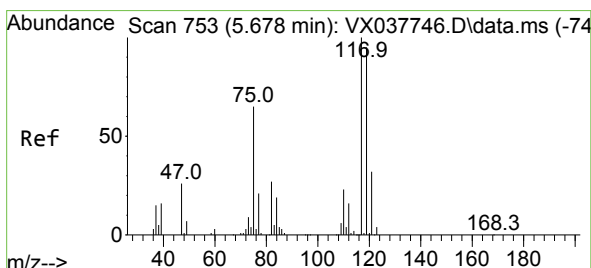
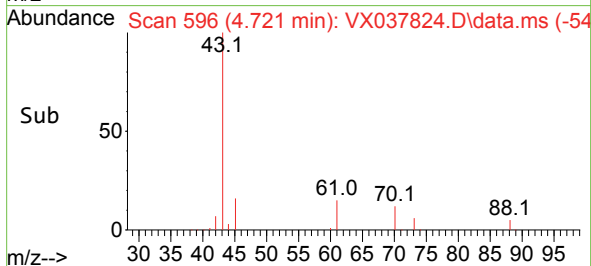
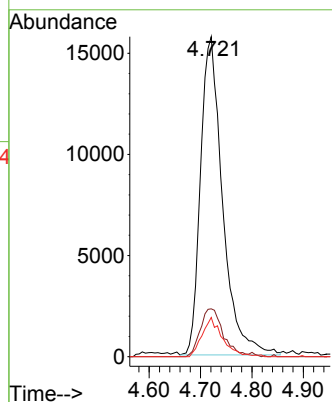
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	46937
Ion	Ratio	Lower	Upper
43	100		
61	15.6	10.6	16.0
70	11.5	8.3	12.5



#38

Carbon Tetrachloride

Concen: 6.201 ug/l

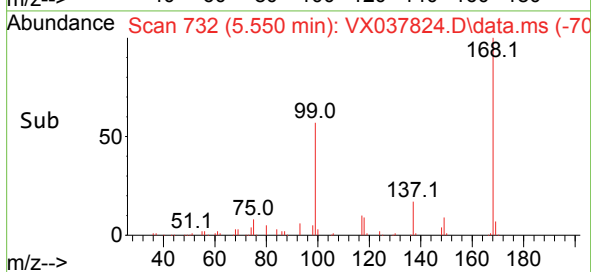
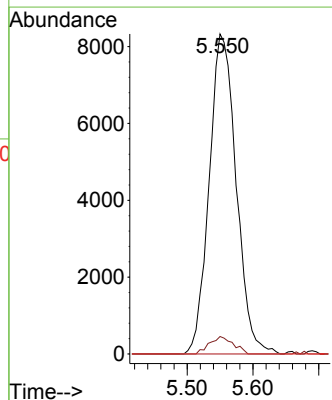
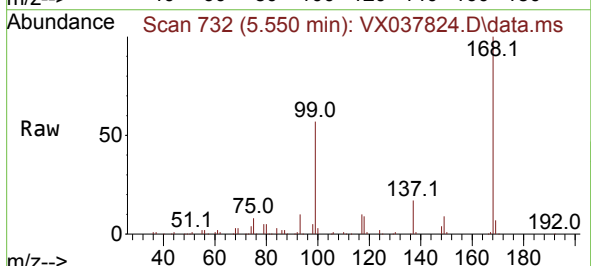
RT: 5.550 min Scan# 732

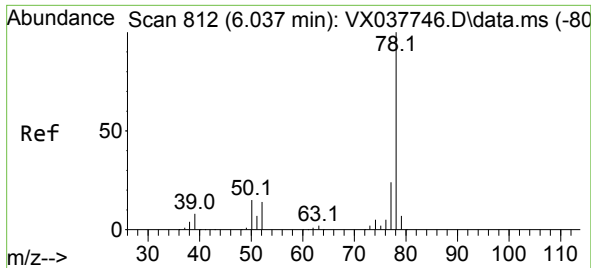
Delta R.T. -0.128 min

Lab File: VX037824.D

Acq: 20 Sep 2023 11:37

Tgt Ion:	117	Resp:	23781
Ion	Ratio	Lower	Upper
117	100		
119	5.5	78.2	117.2#
121	0.0	24.4	36.6#

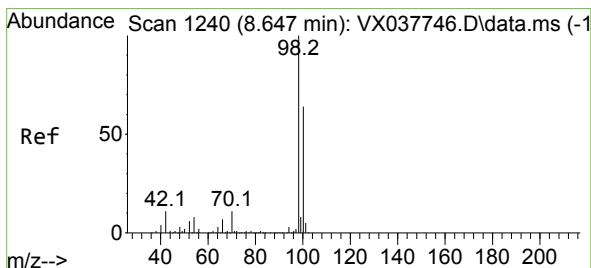
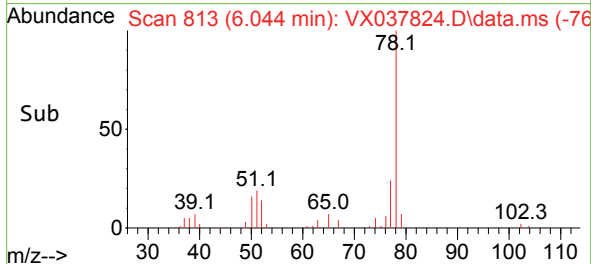
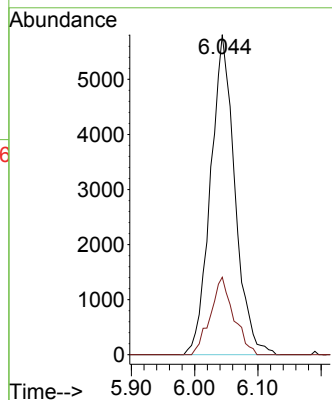
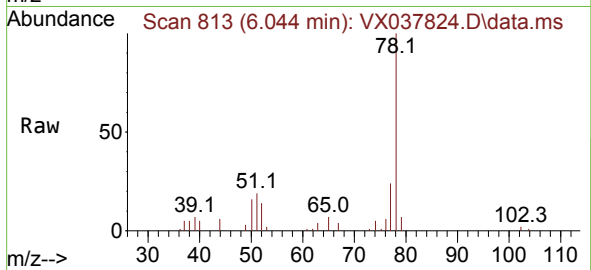




#40
Benzene
Concen: 1.379 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

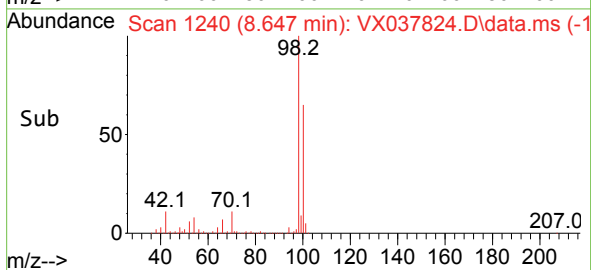
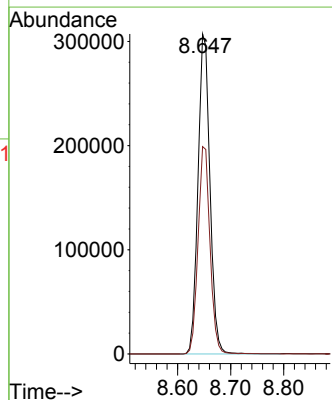
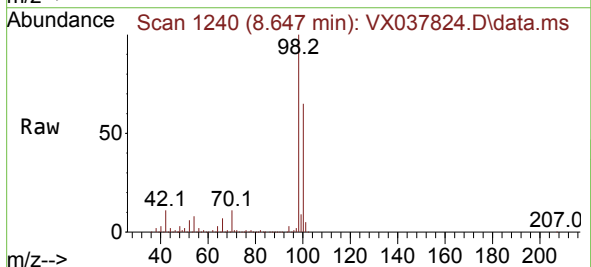
Instrument :
MSVOA_X
ClientSampleId :

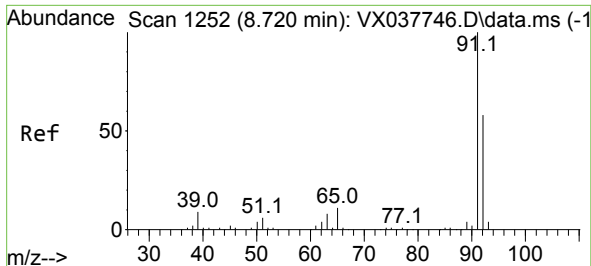
Tgt Ion: 78 Resp: 15539
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9



#50
Toluene-d8
Concen: 48.675 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

Tgt Ion: 98 Resp: 481190
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7

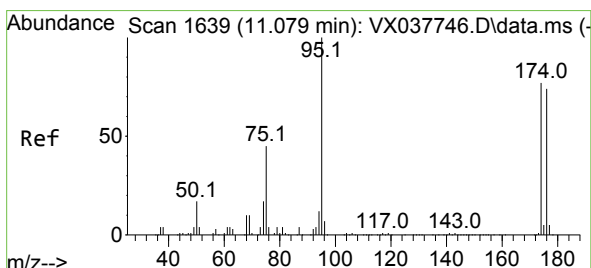
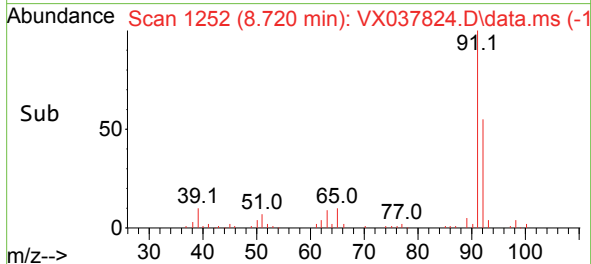
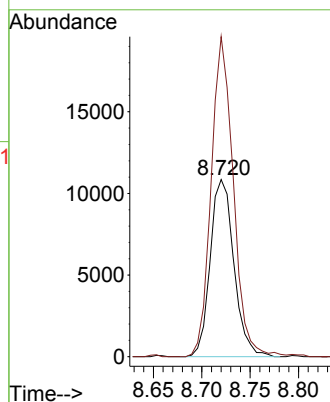
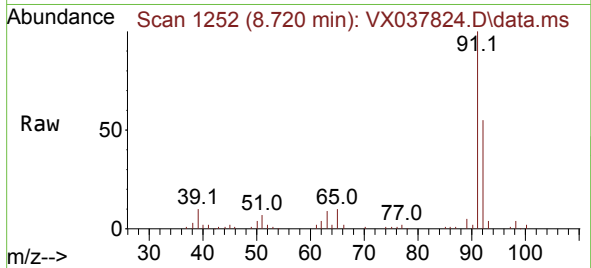




#52
Toluene
Concen: 2.543 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

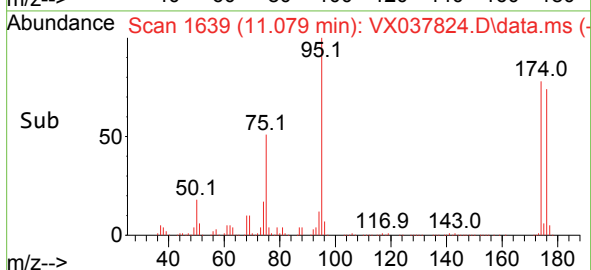
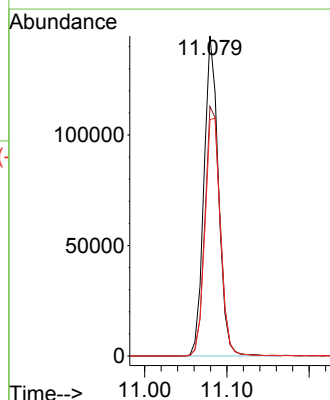
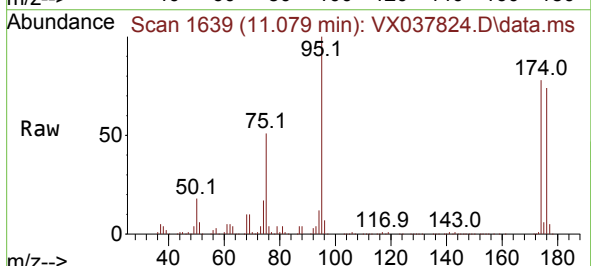
Instrument :
MSVOA_X
ClientSampleId :

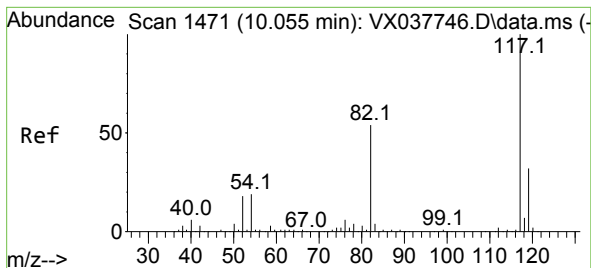
Tgt Ion: 92 Resp: 18472
Ion Ratio Lower Upper
92 100
91 169.9 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 49.373 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

Tgt Ion: 95 Resp: 177363
Ion Ratio Lower Upper
95 100
174 82.3 0.0 135.6
176 79.7 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: VX037824.D

Acq: 20 Sep 2023 11:37

Instrument :

MSVOA_X

ClientSampleId :

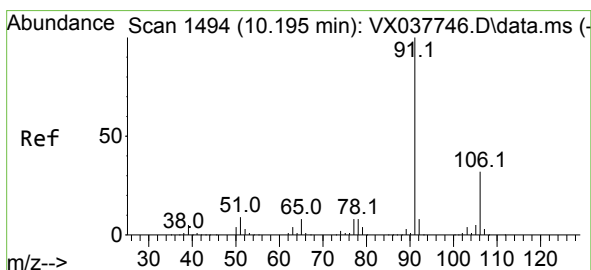
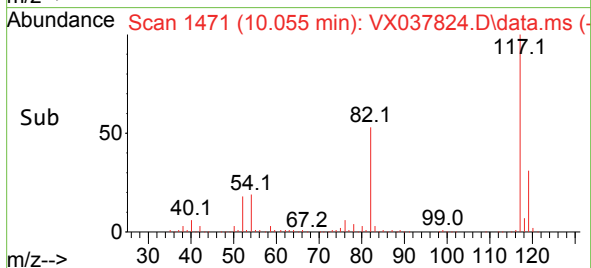
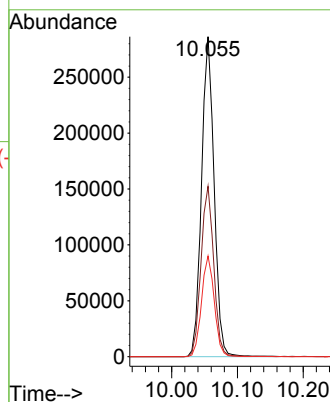
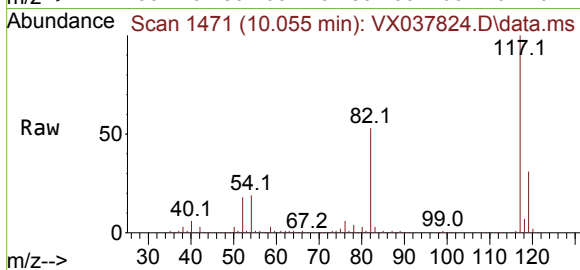
Tgt Ion:117 Resp: 379658

Ion Ratio Lower Upper

117 100

82 53.3 46.2 69.4

119 31.4 25.5 38.3



#67

Ethyl Benzene

Concen: 0.224 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX037824.D

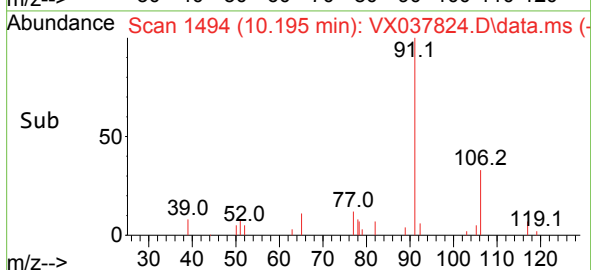
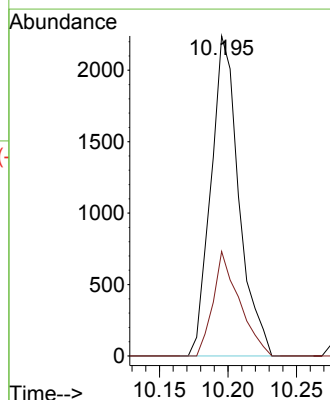
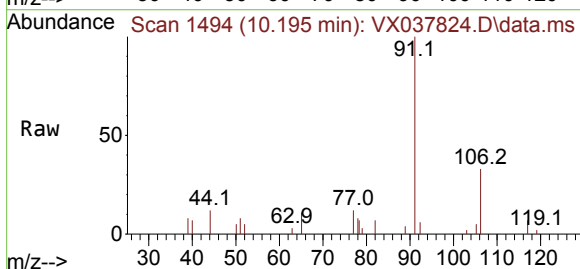
Acq: 20 Sep 2023 11:37

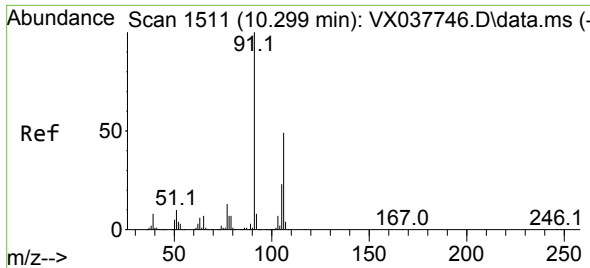
Tgt Ion: 91 Resp: 3175

Ion Ratio Lower Upper

91 100

106 32.6 24.9 37.3

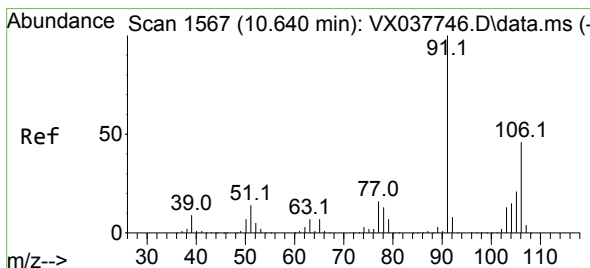
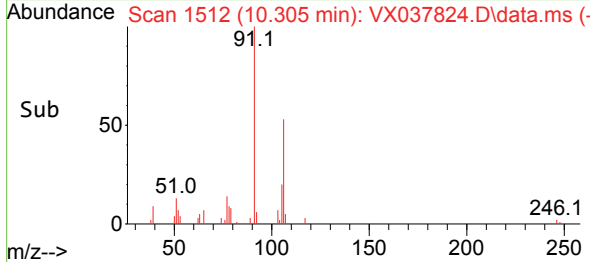
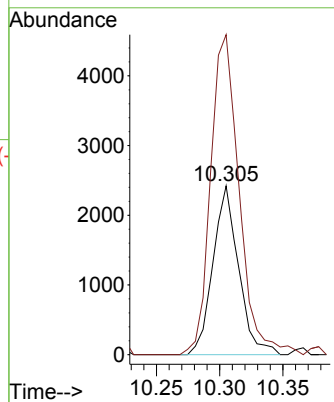
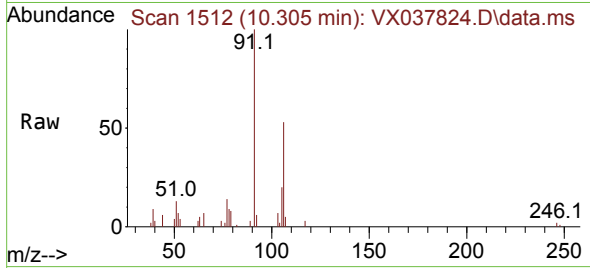




#68
m/p-Xylenes
Concen: 0.621 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

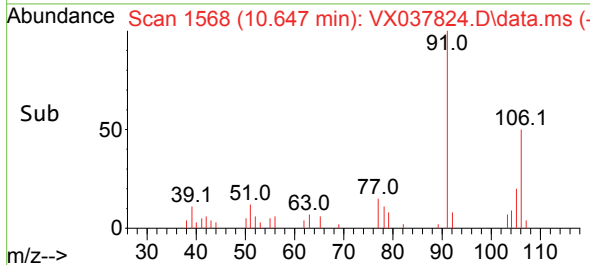
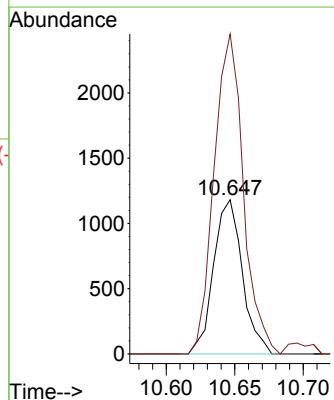
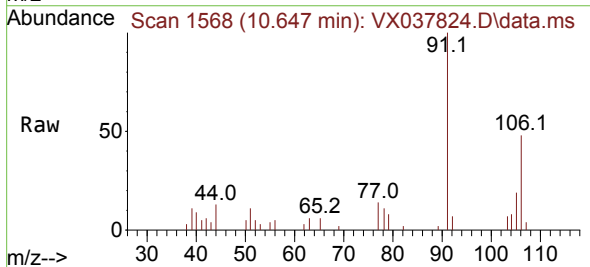
Instrument :
MSVOA_X
ClientSampleId :

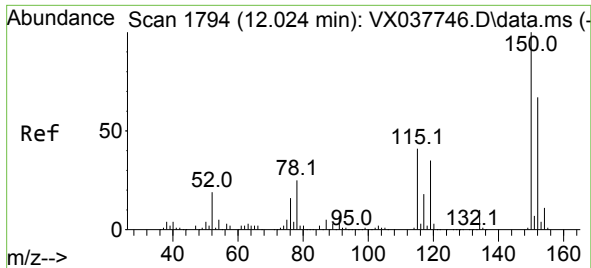
Tgt Ion:106 Resp: 3406
Ion Ratio Lower Upper
106 100
91 211.4 165.5 248.3



#69
o-Xylene
Concen: 0.313 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

Tgt Ion:106 Resp: 1724
Ion Ratio Lower Upper
106 100
91 211.3 108.9 326.8

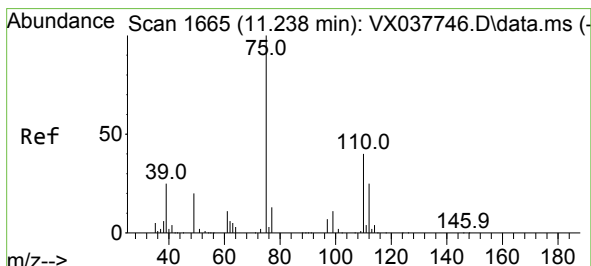
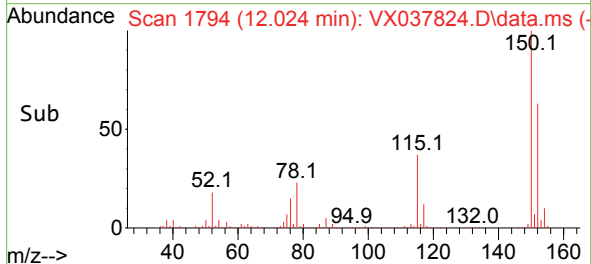
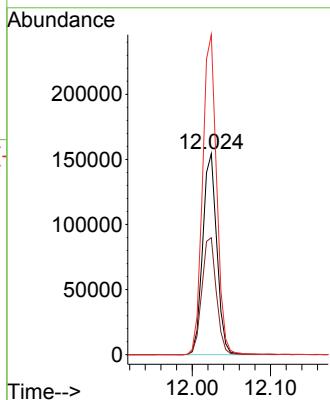
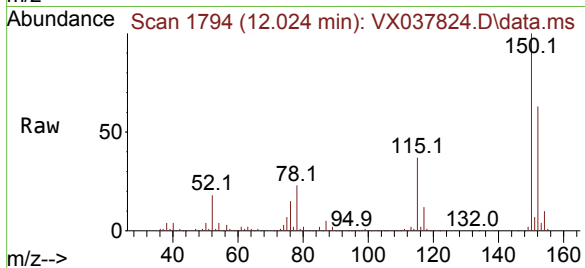




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037824.D
 Acq: 20 Sep 2023 11:37

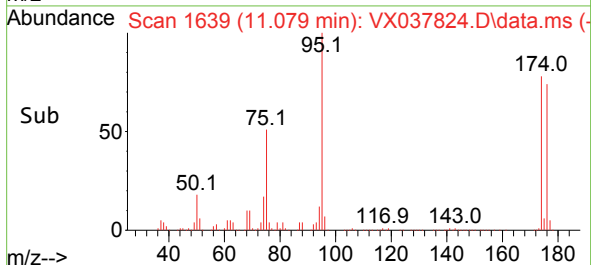
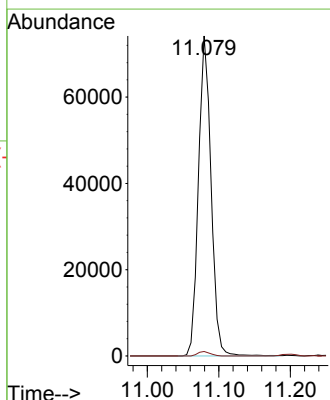
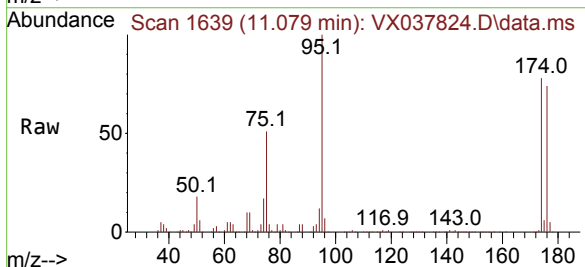
Instrument :
 MSVOA_X
 ClientSampleId :

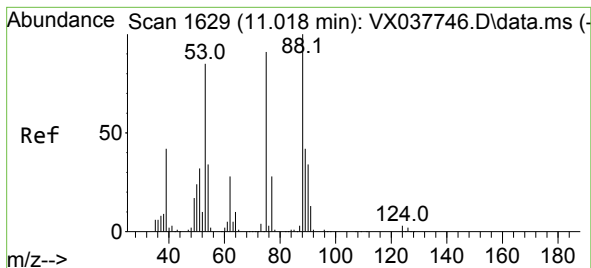
Tgt Ion:152 Resp: 193211
 Ion Ratio Lower Upper
 152 100
 115 59.8 43.3 129.9
 150 158.5 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 20.307 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037824.D
 Acq: 20 Sep 2023 11:37

Tgt Ion: 75 Resp: 90747
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#

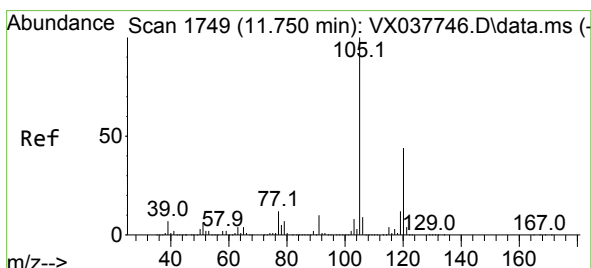
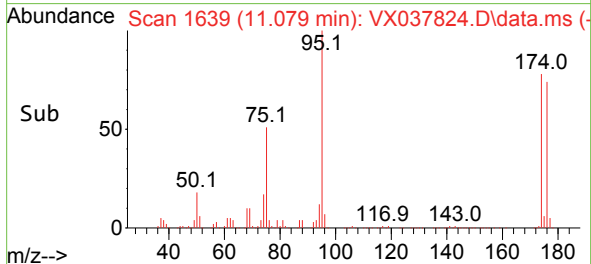
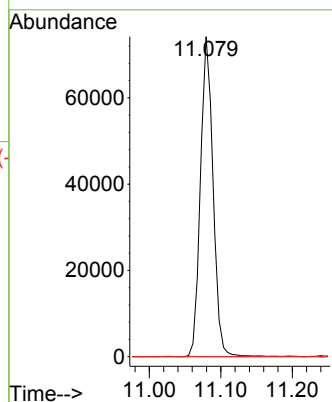
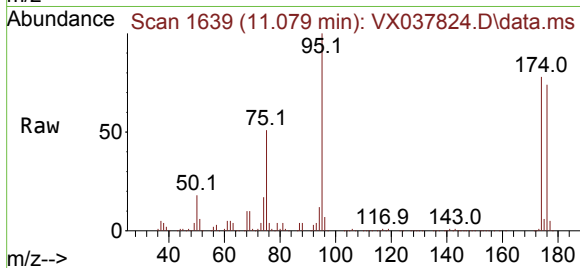




#81
trans-1,4-Dichloro-2-butene
Concen: 65.050 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

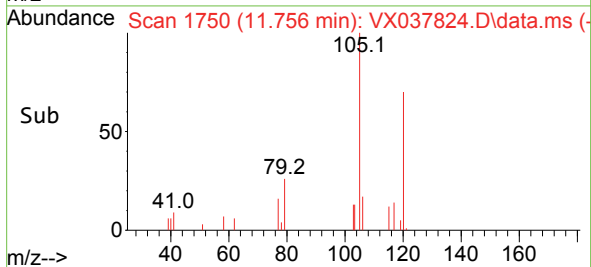
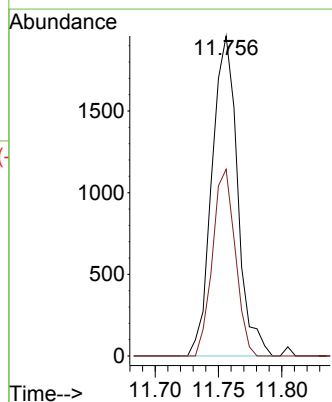
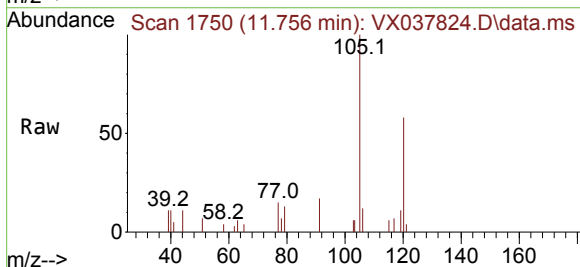
Instrument :
MSVOA_X
ClientSampleId :

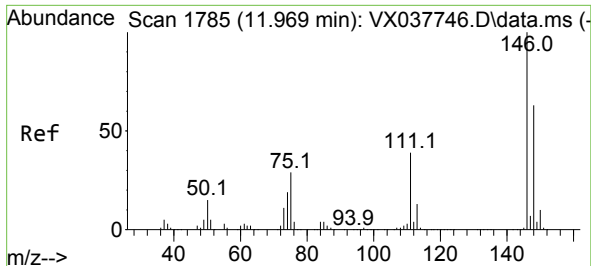
Tgt Ion: 75 Resp: 90747
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.231 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX037824.D
Acq: 20 Sep 2023 11:37

Tgt Ion:105 Resp: 2756
Ion Ratio Lower Upper
105 100
120 51.7 21.2 63.6





#87

1,3-Dichlorobenzene

Concen: 0.200 ug/l

RT: 11.976 min Scan# 1785

Delta R.T. 0.006 min

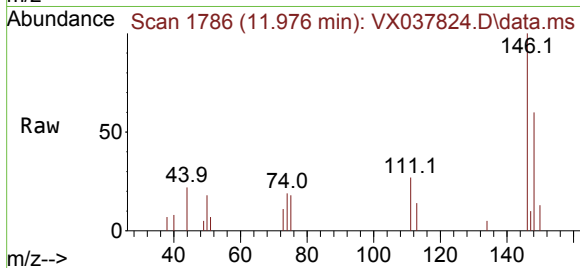
Lab File: VX037824.D

Acq: 20 Sep 2023 11:37

Instrument :

MSVOA_X

ClientSampleId :



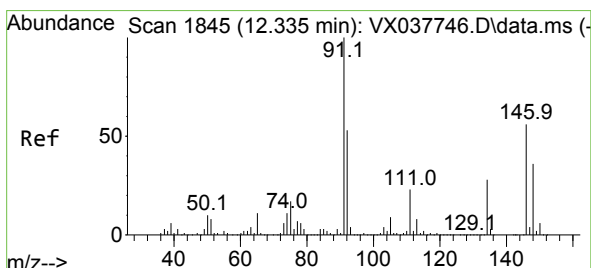
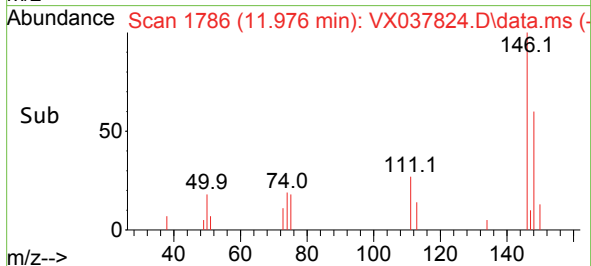
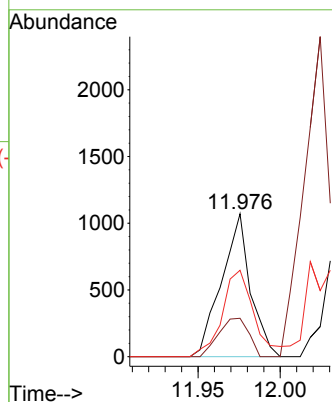
Tgt Ion:146 Resp: 1311

Ion Ratio Lower Upper

146 100

111 28.0 22.1 66.1

148 66.2 31.8 95.3



#89

n-Butylbenzene

Concen: 0.299 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX037824.D

Acq: 20 Sep 2023 11:37

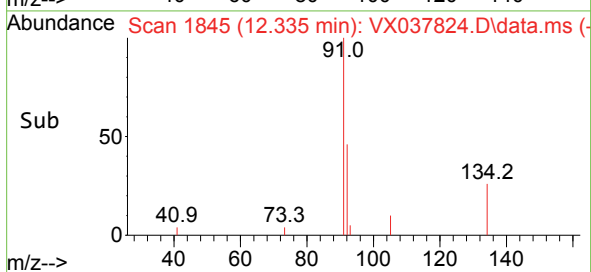
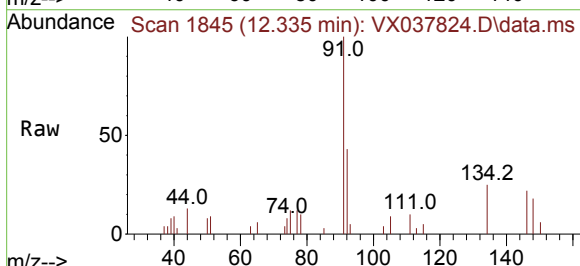
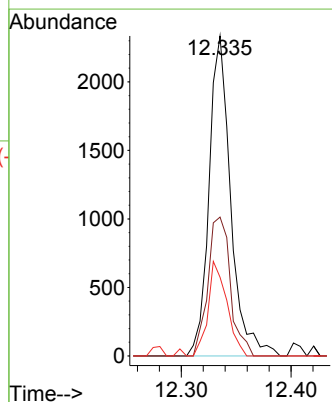
Tgt Ion: 91 Resp: 3205

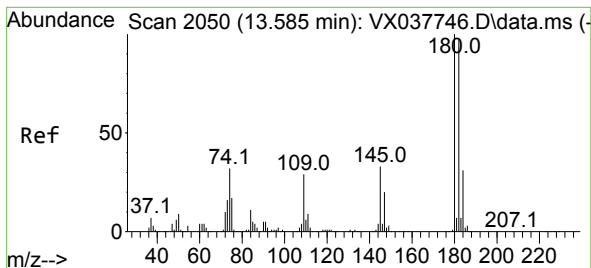
Ion Ratio Lower Upper

91 100

92 45.2 27.4 82.0

134 25.7 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.459 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX037824.D

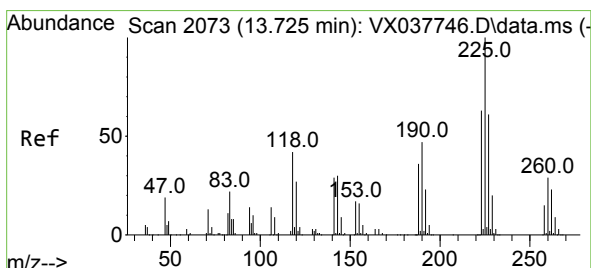
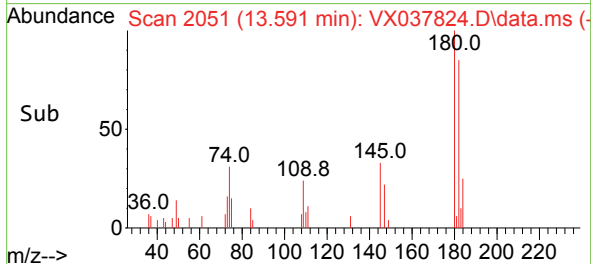
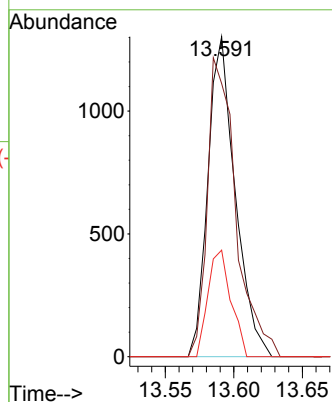
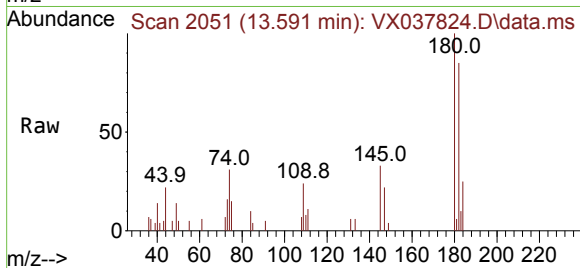
Acq: 20 Sep 2023 11:37

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	1805
Ion Ratio	Lower	Upper
180	100	
182	97.4	48.3 144.8
145	28.1	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.517 ug/l

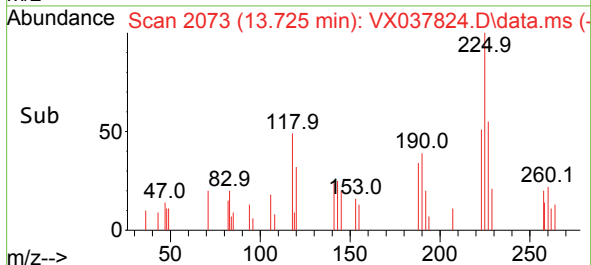
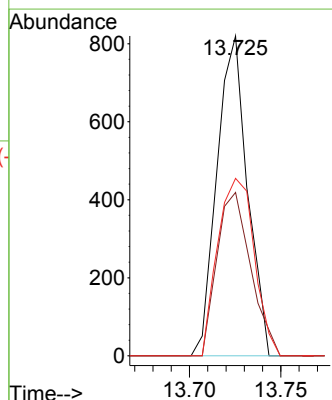
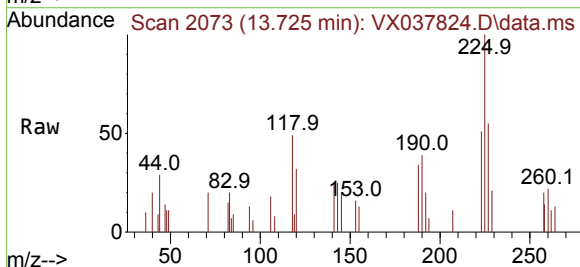
RT: 13.725 min Scan# 2073

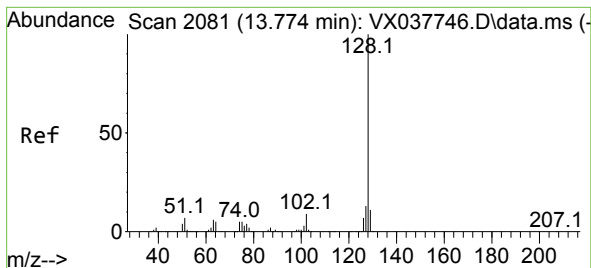
Delta R.T. 0.000 min

Lab File: VX037824.D

Acq: 20 Sep 2023 11:37

Tgt Ion:225	Resp:	950
Ion Ratio	Lower	Upper
225	100	
223	56.7	31.1 93.2
227	66.5	32.5 97.5





#95

Naphthalene

Concen: 0.400 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX037824.D

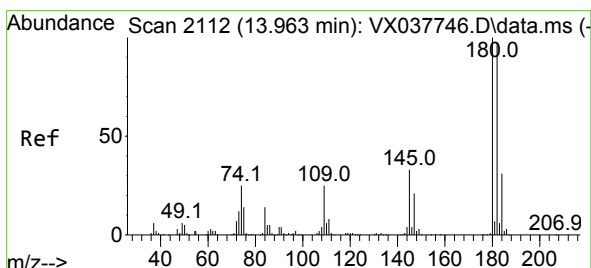
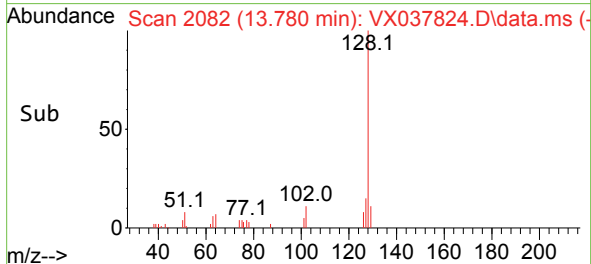
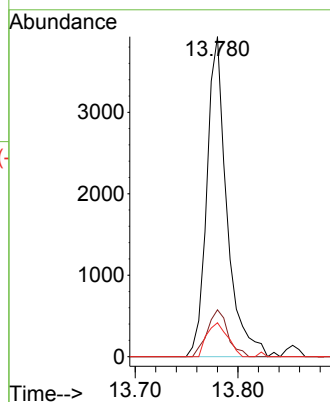
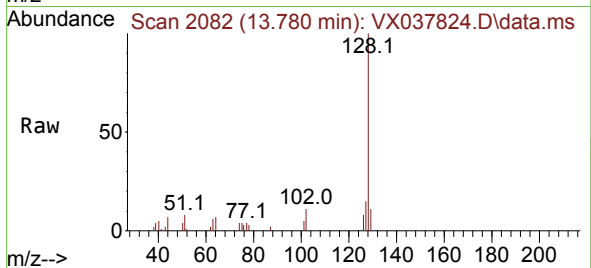
Acq: 20 Sep 2023 11:37

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	5325
Ion Ratio	Lower	Upper
128	100	
127	15.1	10.3 15.5
129	11.0	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.414 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX037824.D

Acq: 20 Sep 2023 11:37

Tgt Ion:180	Resp:	1675
Ion Ratio	Lower	Upper
180	100	
182	101.0	46.9 140.6
145	34.1	17.8 53.5

