

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037704.D
 Acq On : 13 Sep 2023 18:57
 Operator : JC/MD
 Sample : PB155499TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 14 02:24:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

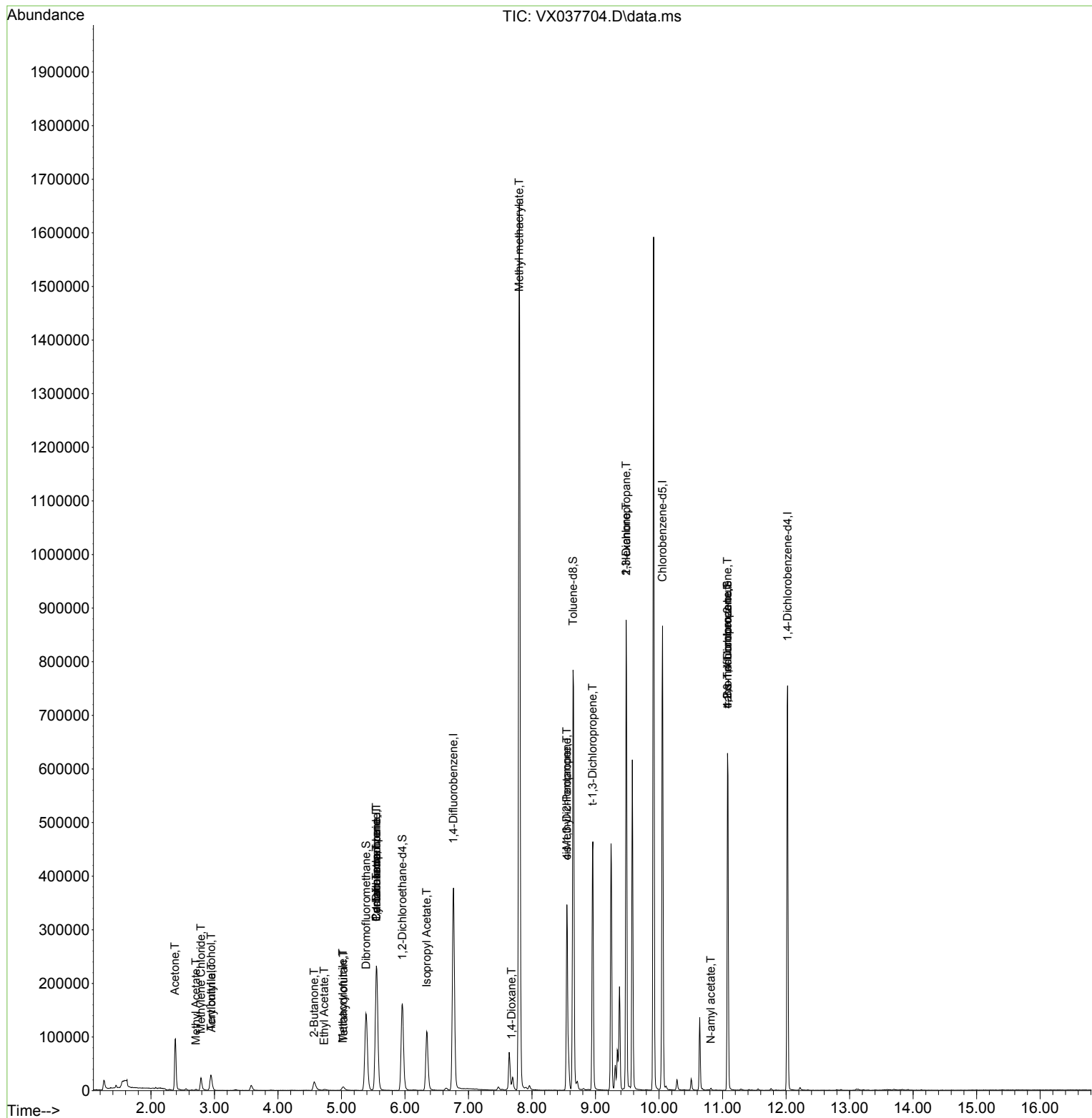
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	217948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	387623	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	373115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	158251	44.878	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.760%		
35) Dibromofluoromethane	5.385	113	125480	45.670	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.340%		
50) Toluene-d8	8.647	98	482627	46.576	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.160%		
62) 4-Bromofluorobenzene	11.079	95	166169	44.450	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.900%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	19264	16.243	ug/l #	87
15) Acrylonitrile	2.953	53	338	0.209	ug/l #	17
16) Acetone	2.380	43	103940	72.909	ug/l	94
18) Methyl Acetate	2.709	43	2537	0.421	ug/l	91
20) Methylene Chloride	2.788	84	12213	3.239	ug/l	90
25) 2-Butanone	4.568	43	25588	11.008	ug/l	92
29) Tetrahydrofuran	5.032	42	6669	4.505	ug/l	97
31) Cyclohexane	5.550	56	4975	1.225	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	17882	4.784	ug/l #	50
37) Ethyl Acetate	4.727	43	3249	0.760	ug/l #	84
38) Carbon Tetrachloride	5.550	117	22531	5.901	ug/l #	14
41) Methacrylonitrile	5.019	41	4067	1.805	ug/l #	52
43) Isopropyl Acetate	6.342	43	145686	21.353	ug/l	97
48) Methyl methacrylate	7.799	41	140365	42.559	ug/l #	49
49) 1,4-Dioxane	7.677	88	405	4.956	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	135783	30.308	ug/l #	37
53) t-1,3-Dichloropropene	8.952	75	980	0.246	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	53633	12.276	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	7407	1.439	ug/l #	42
59) 2-Hexanone	9.482	43	99489	28.769	ug/l #	55
74) N-amyl acetate	10.817	43	1186	0.235	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	86264	25.434	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	86264	77.313	ug/l #	5

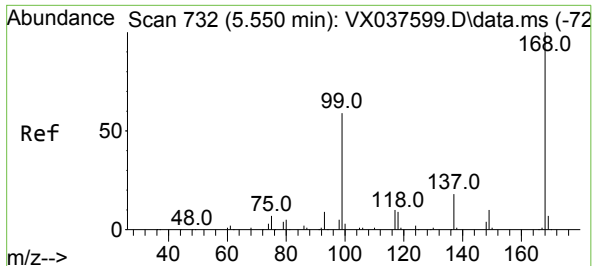
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

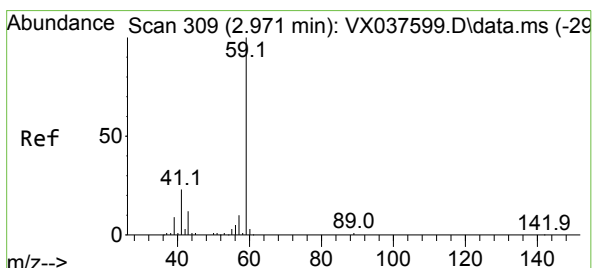
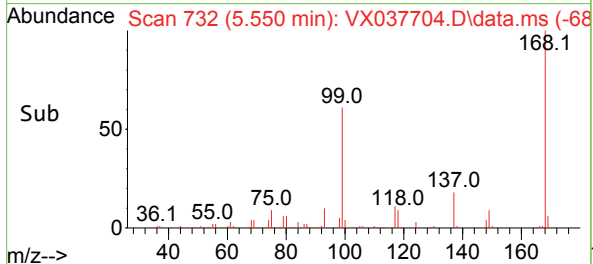
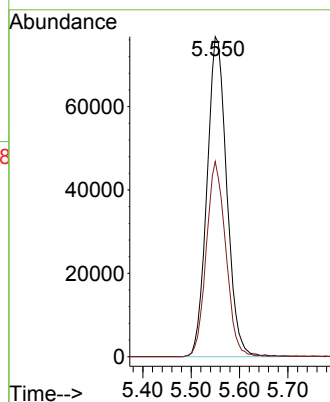
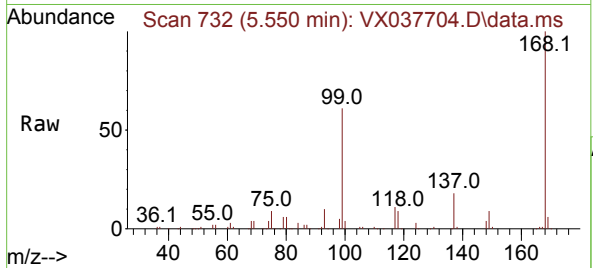




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

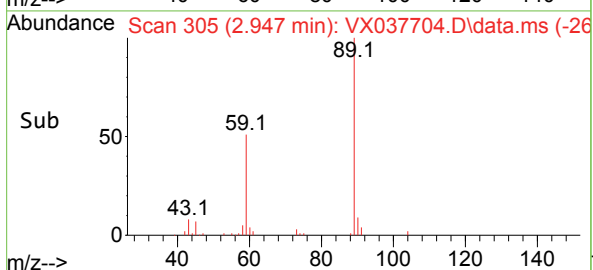
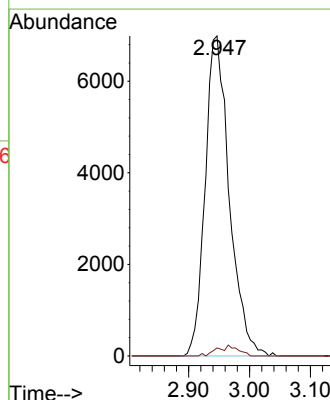
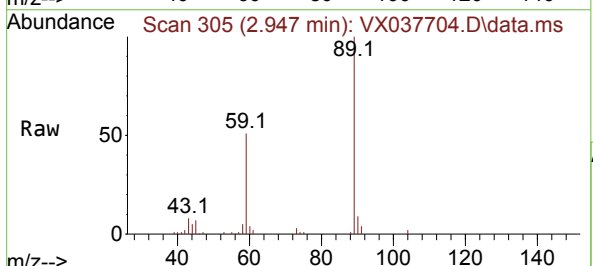
Instrument :
MSVOA_X
ClientSampleId :

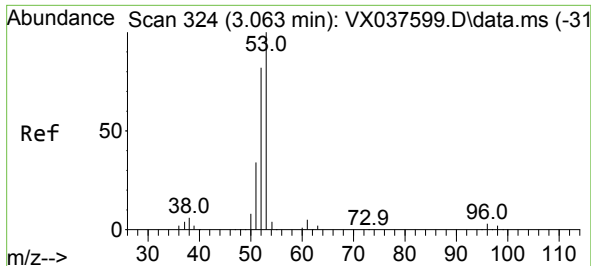
Tgt Ion:168 Resp: 217948
Ion Ratio Lower Upper
168 100
99 61.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 16.243 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

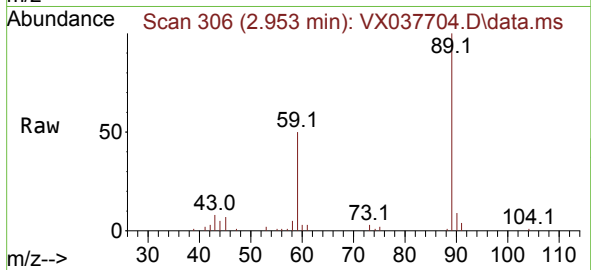
Tgt Ion: 59 Resp: 19264
Ion Ratio Lower Upper
59 100
57 2.9 6.0 9.0#



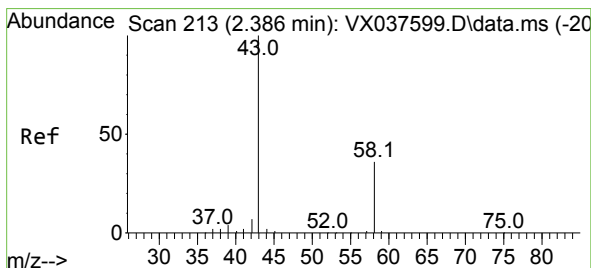
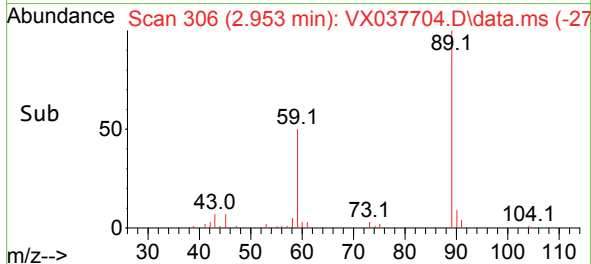
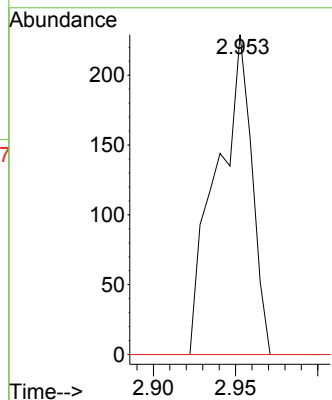


#15
Acrylonitrile
Concen: 0.209 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.110 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

Instrument :
MSVOA_X
ClientSampleId :

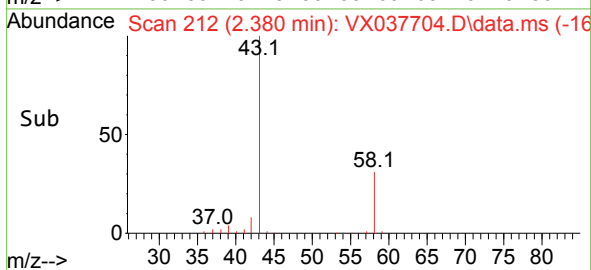
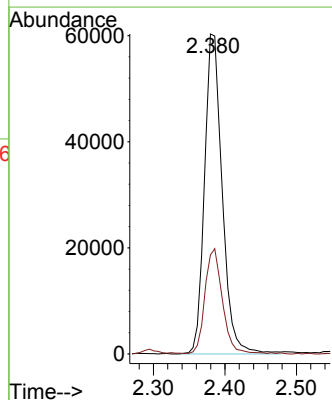
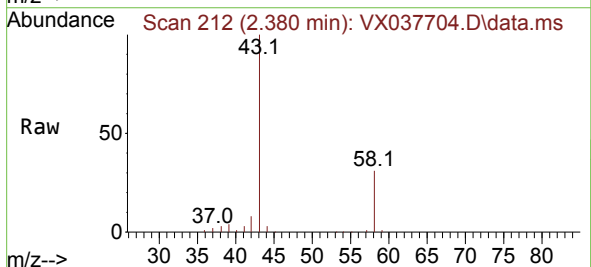


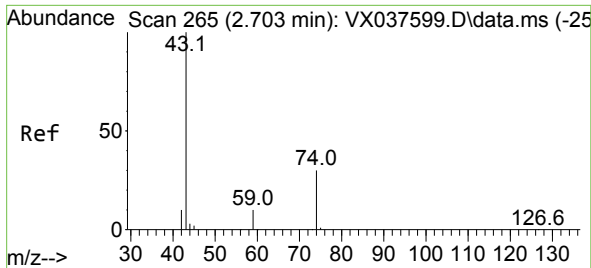
Tgt Ion: 53 Resp: 338
Ion Ratio Lower Upper
53 100
52 0.0 66.0 99.0#
51 0.0 29.8 44.6#



#16
Acetone
Concen: 72.909 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

Tgt Ion: 43 Resp: 103940
Ion Ratio Lower Upper
43 100
58 30.7 21.9 32.9





#18

Methyl Acetate

Concen: 0.421 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX037704.D

Acq: 13 Sep 2023 18:57

Instrument :

MSVOA_X

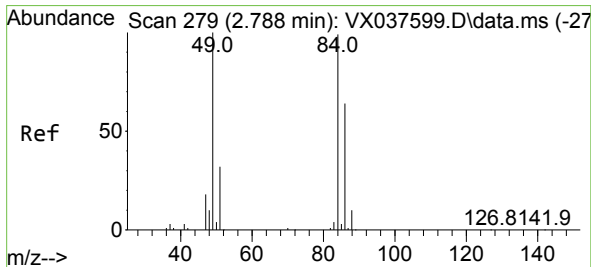
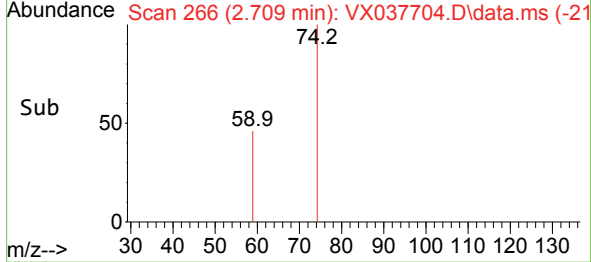
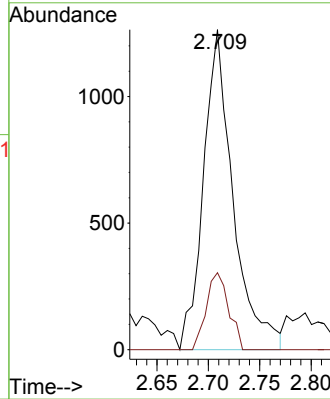
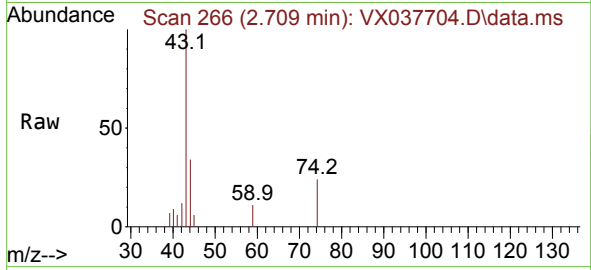
ClientSampleId :

Tgt Ion: 43 Resp: 2537

Ion Ratio Lower Upper

43 100

74 18.1 17.8 26.8



#20

Methylene Chloride

Concen: 3.239 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037704.D

Acq: 13 Sep 2023 18:57

Tgt Ion: 84 Resp: 12213

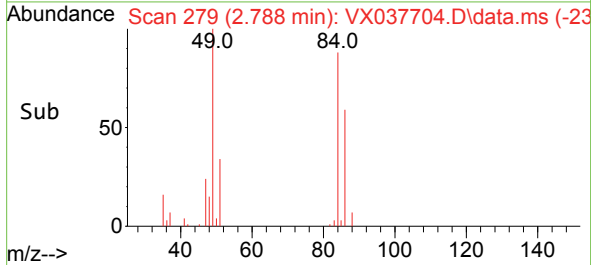
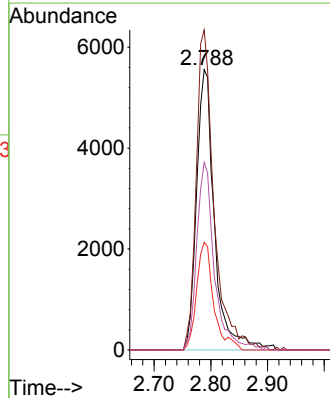
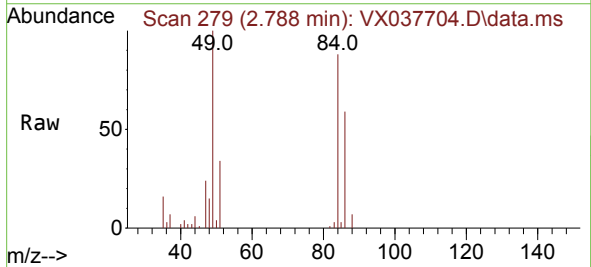
Ion Ratio Lower Upper

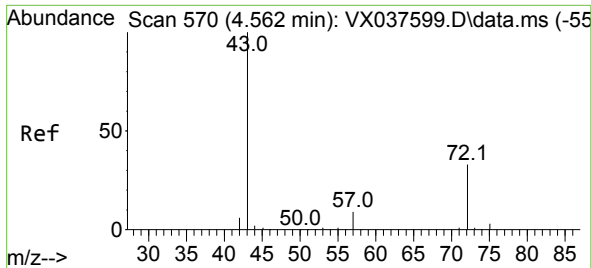
84 100

49 114.2 103.6 155.4

51 38.4 33.8 50.6

86 66.9 49.4 74.0

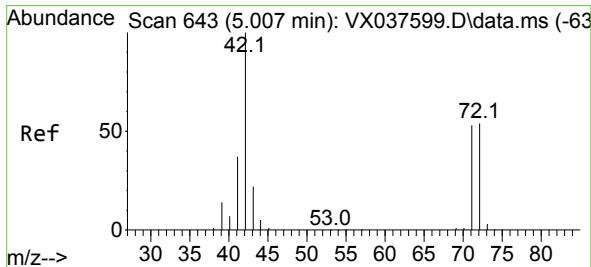
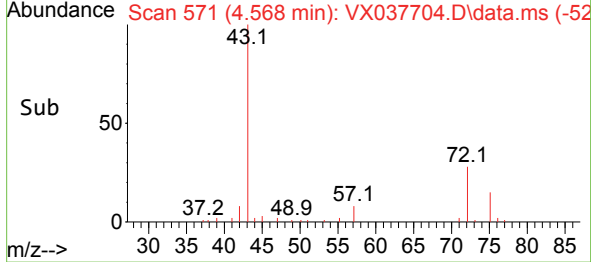
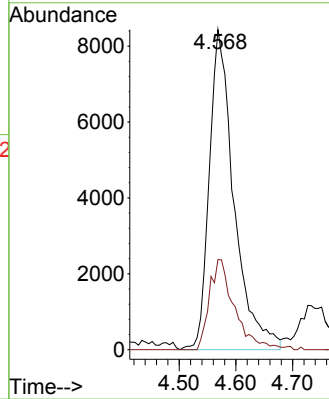
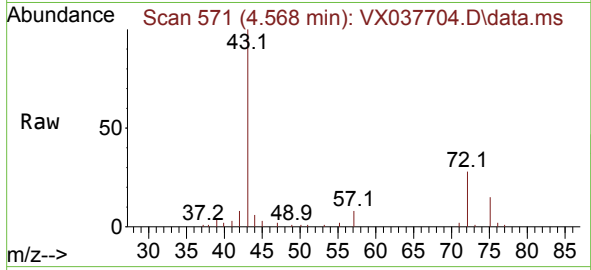




#25
2-Butanone
Concen: 11.008 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

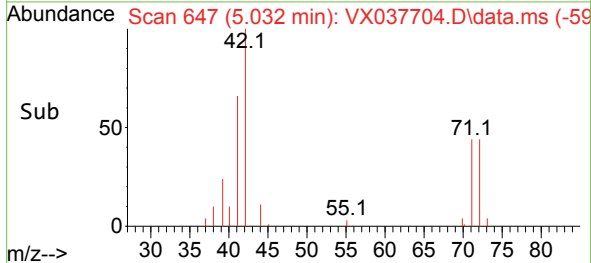
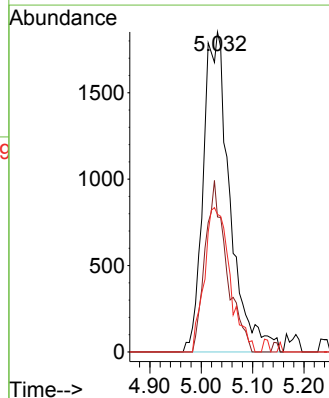
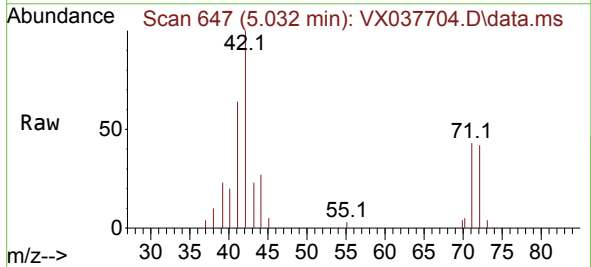
Instrument :
MSVOA_X
ClientSampleId :

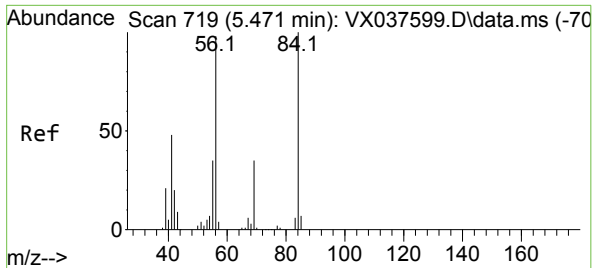
Tgt Ion: 43 Resp: 25588
Ion Ratio Lower Upper
43 100
72 28.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 4.505 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

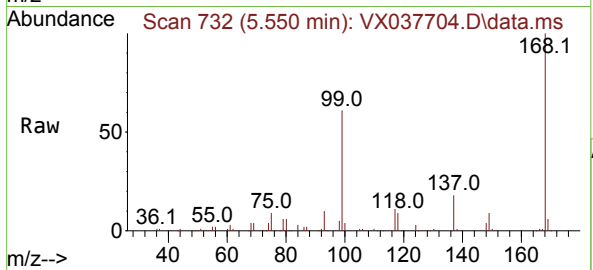
Tgt Ion: 42 Resp: 6669
Ion Ratio Lower Upper
42 100
72 43.3 34.2 51.4
71 43.2 32.2 48.2



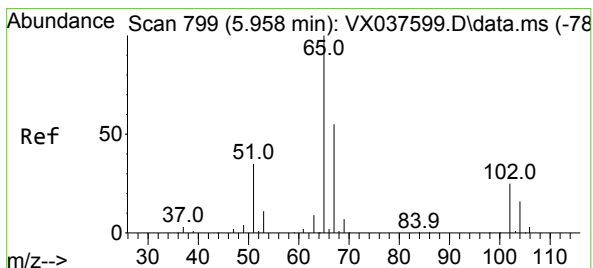
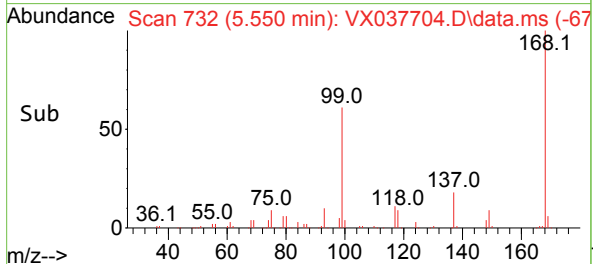
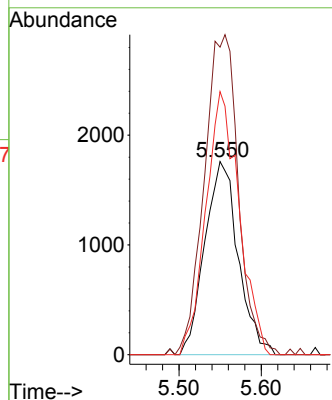


#31
Cyclohexane
Concen: 1.225 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

Instrument :
MSVOA_X
ClientSampleId :

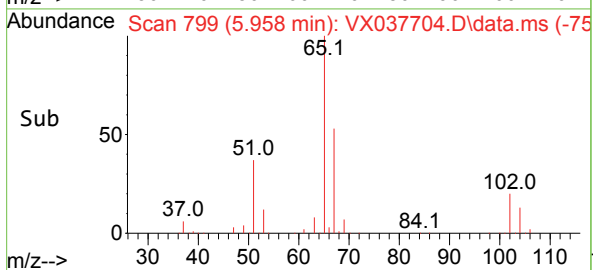
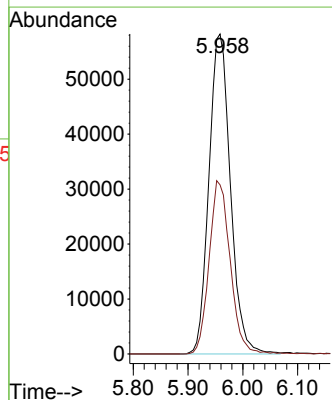
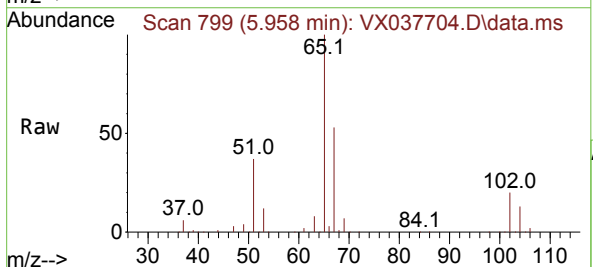


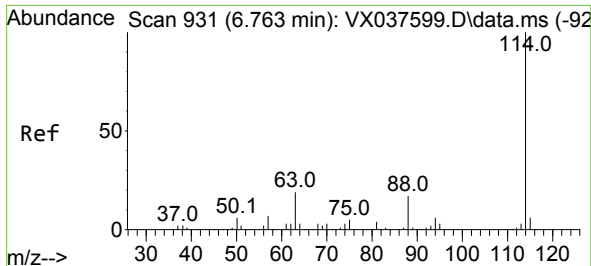
Tgt Ion: 56 Resp: 4975
Ion Ratio Lower Upper
56 100
69 159.2 23.4 35.2#
84 136.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.878 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

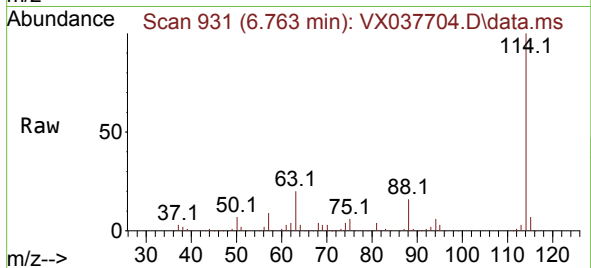
Tgt Ion: 65 Resp: 158251
Ion Ratio Lower Upper
65 100
67 53.2 0.0 100.2



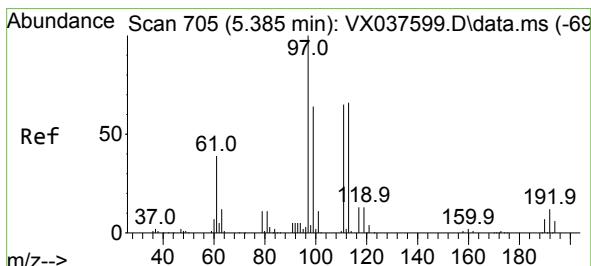
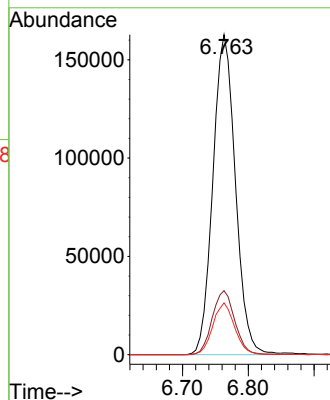
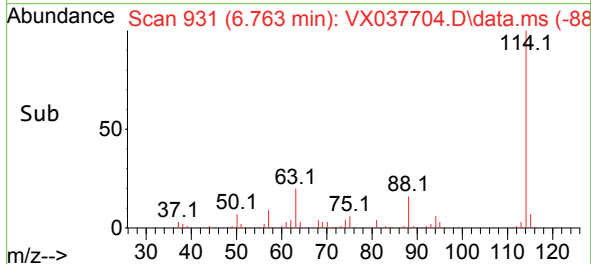


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

Instrument :
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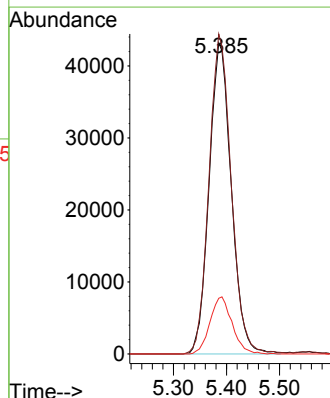
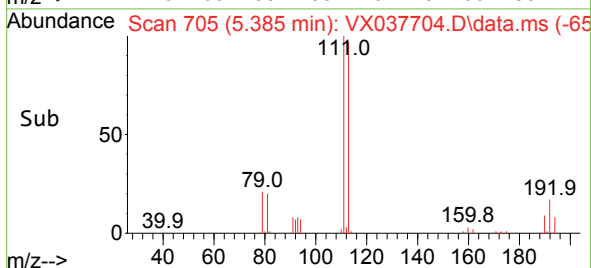
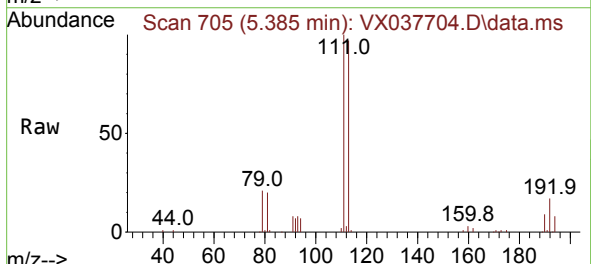


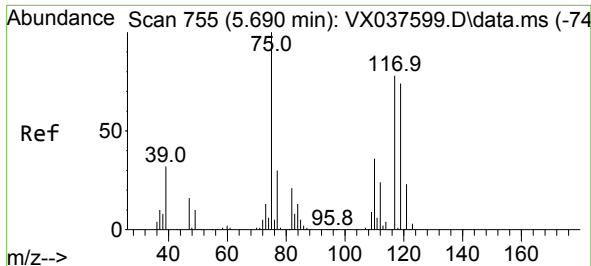
Tgt Ion:114 Resp: 387623
Ion Ratio Lower Upper
114 100
63 20.0 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.670 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

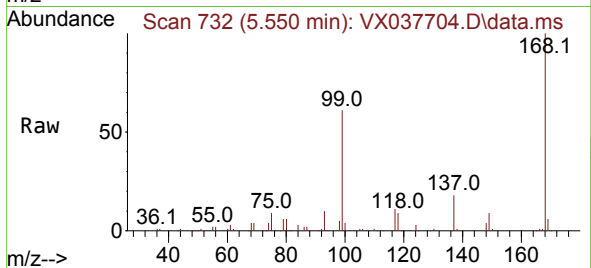
Tgt Ion:113 Resp: 125480
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 18.3 13.3 19.9



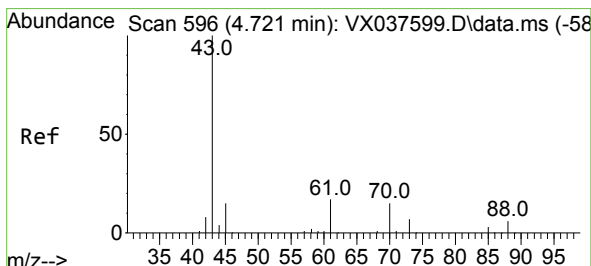
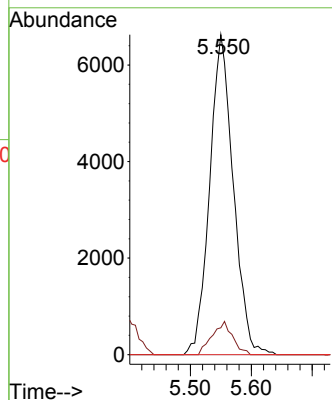
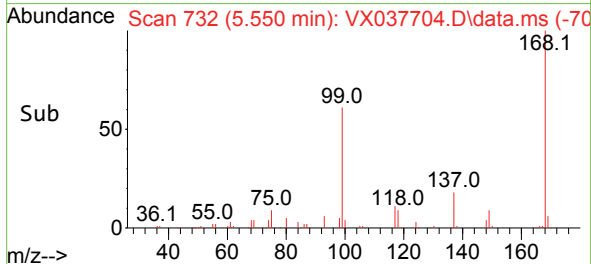


#36
1,1-Dichloropropene
Concen: 4.784 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

Instrument :
MSVOA_X
ClientSampleId :

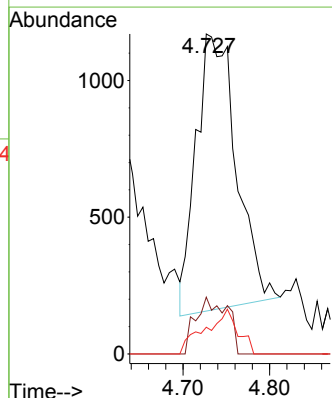
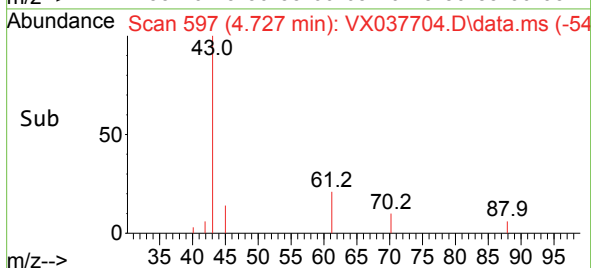
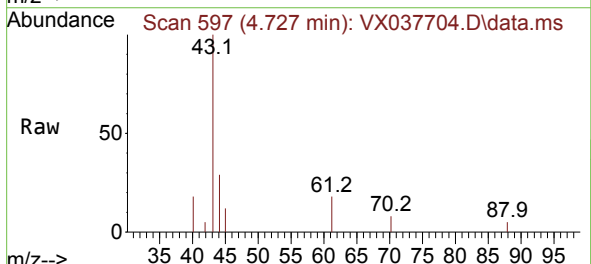


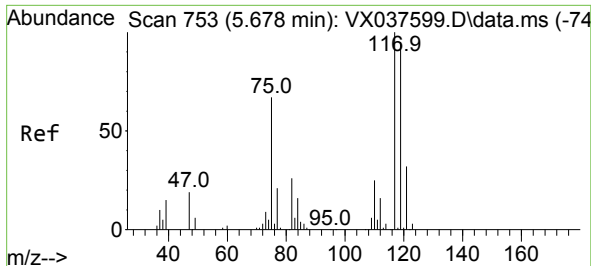
Tgt Ion: 75 Resp: 17882
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.760 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

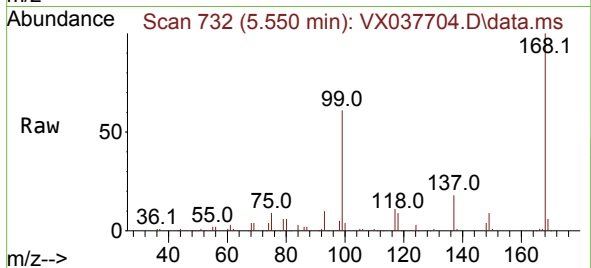
Tgt Ion: 43 Resp: 3249
Ion Ratio Lower Upper
43 100
61 16.1 10.6 16.0#
70 0.0 8.3 12.5#



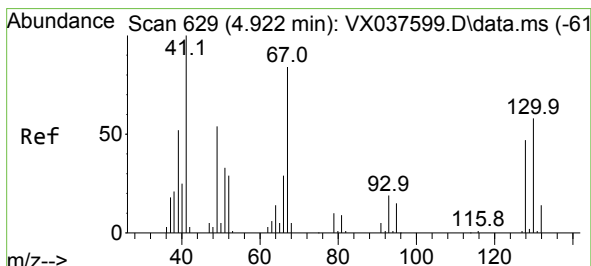
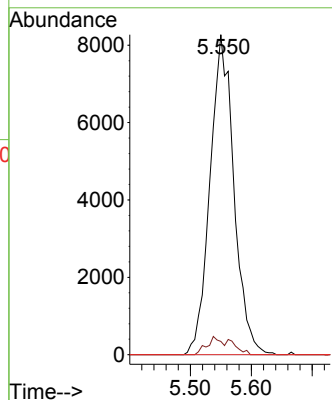
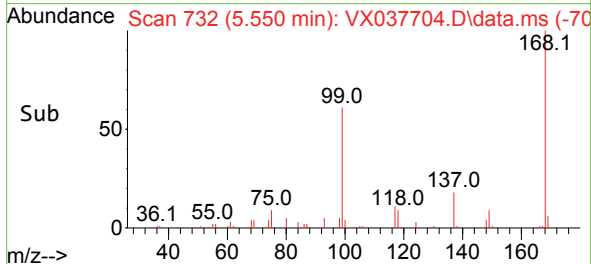


#38
Carbon Tetrachloride
Concen: 5.901 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

Instrument :
MSVOA_X
ClientSampleId :

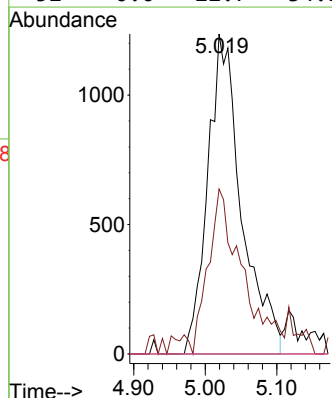
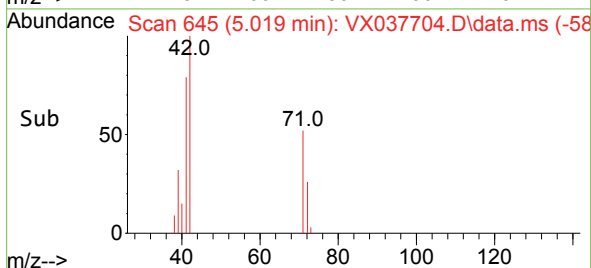
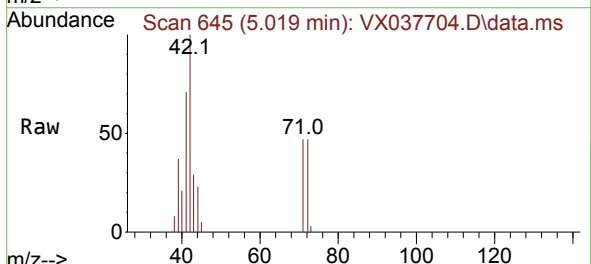


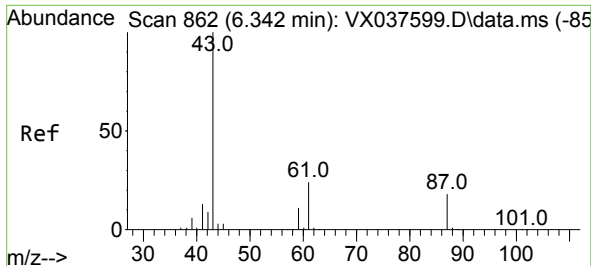
Tgt Ion:117 Resp: 22531
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.805 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

Tgt Ion: 41 Resp: 4067
Ion Ratio Lower Upper
41 100
39 52.5 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

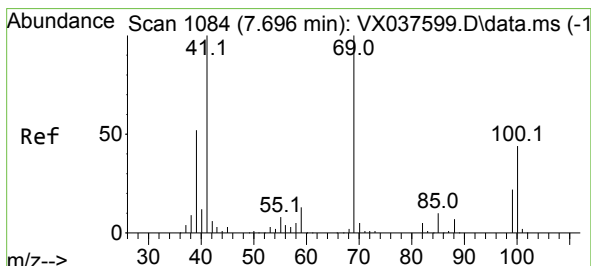
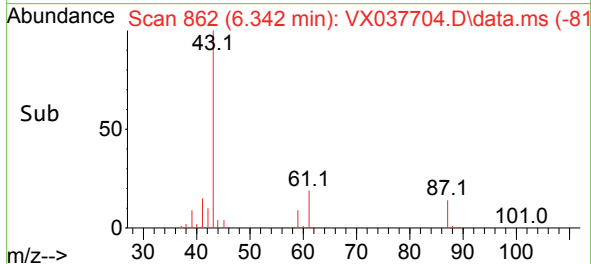
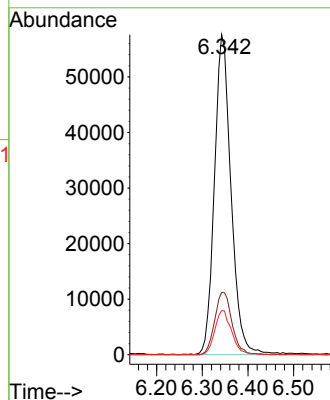
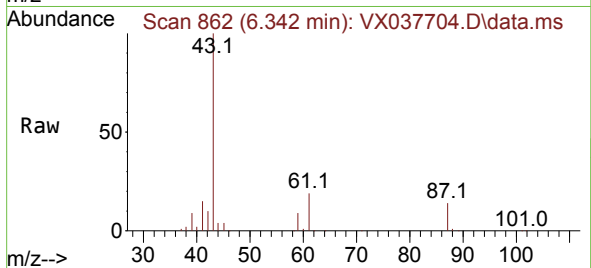




#43
Isopropyl Acetate
Concen: 21.353 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

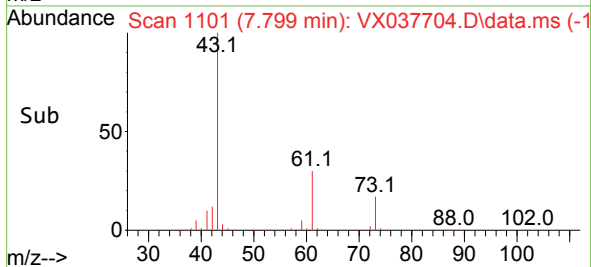
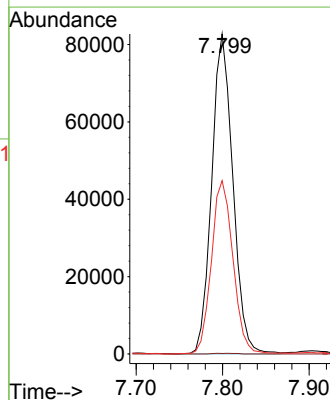
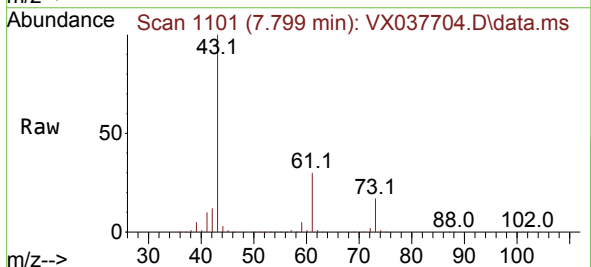
Instrument :
MSVOA_X
ClientSampleId :

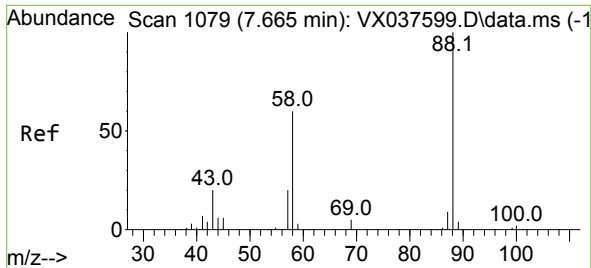
Tgt Ion: 43 Resp: 145686
Ion Ratio Lower Upper
43 100
61 20.3 15.2 22.8
87 13.9 9.8 14.6



#48
Methyl methacrylate
Concen: 42.559 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

Tgt Ion: 41 Resp: 140365
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 55.3 47.7 71.5

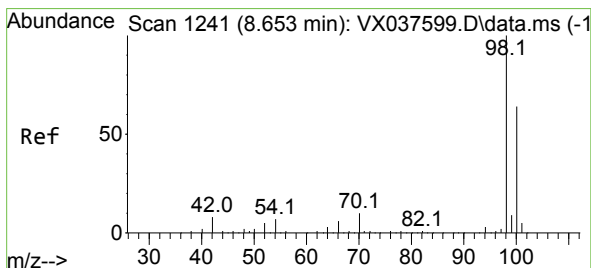
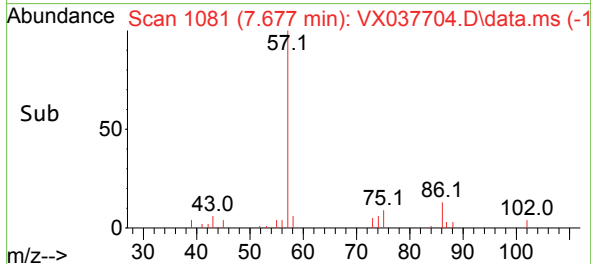
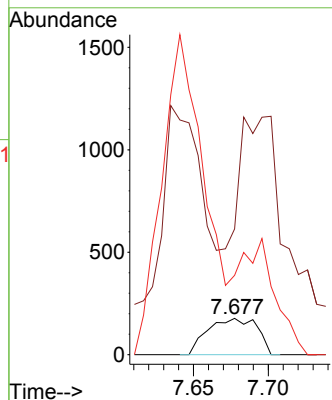
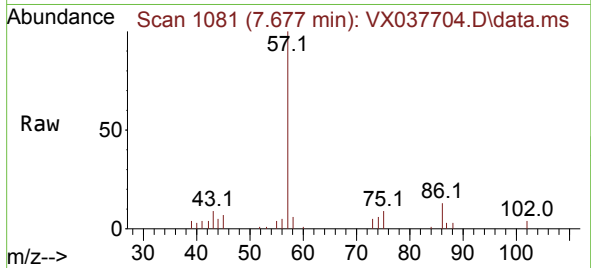




#49
1,4-Dioxane
Concen: 4.956 ug/l
RT: 7.677 min Scan# 1079
Delta R.T. 0.012 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

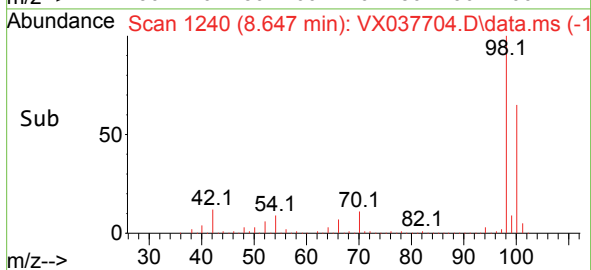
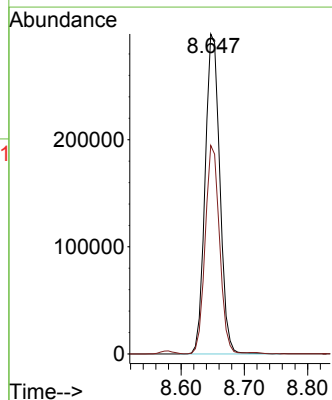
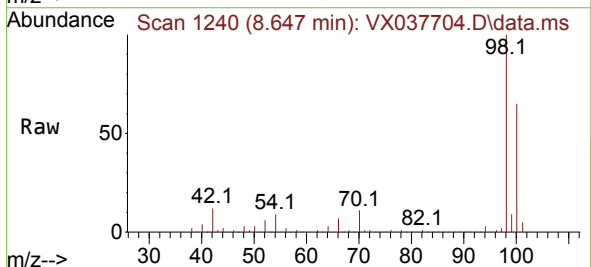
Instrument :
MSVOA_X
ClientSampleId :

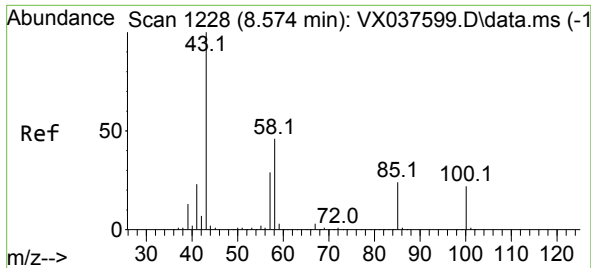
Tgt Ion: 88 Resp: 405
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 206.7 60.1 90.1#



#50
Toluene-d8
Concen: 46.576 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

Tgt Ion: 98 Resp: 482627
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7

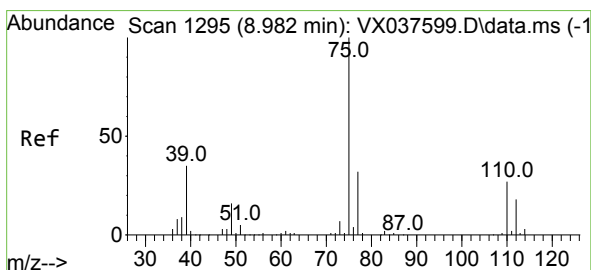
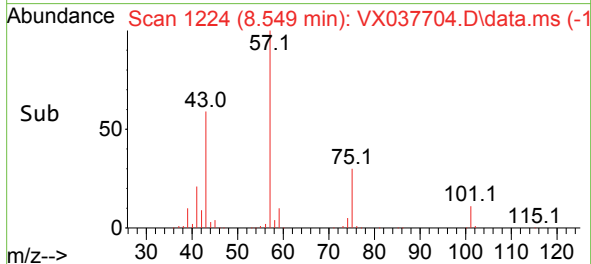
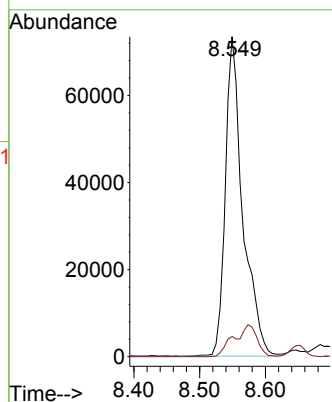
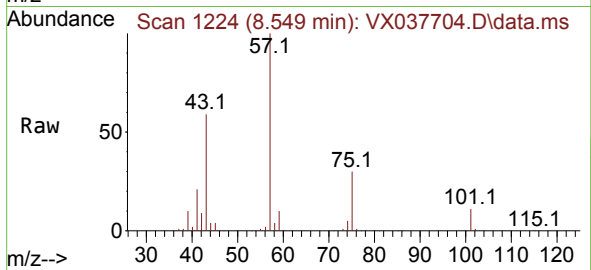




#51
4-Methyl-2-Pentanone
Concen: 30.308 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

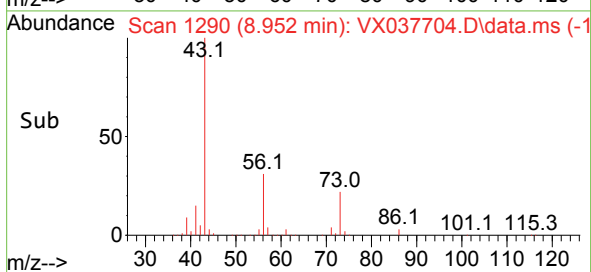
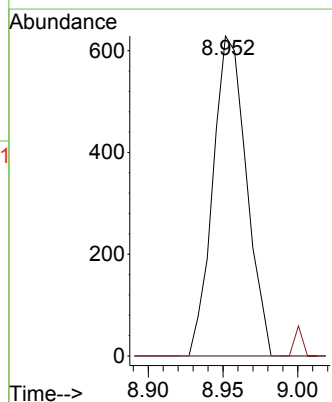
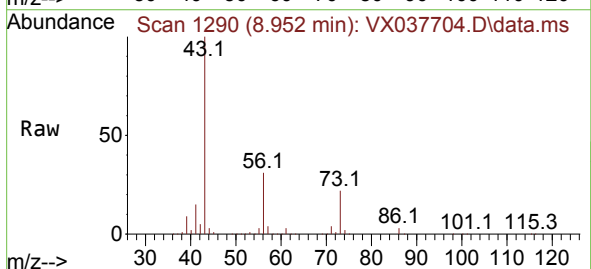
Instrument :
MSVOA_X
ClientSampleId :

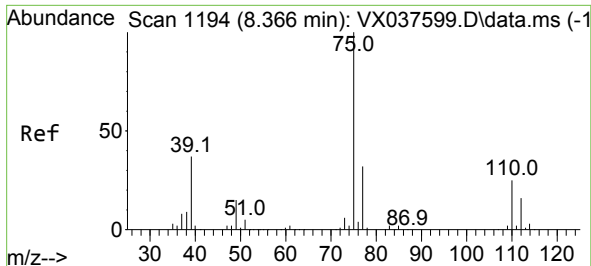
Tgt Ion: 43 Resp: 135783
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.246 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

Tgt Ion: 75 Resp: 980
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#





#54

cis-1,3-Dichloropropene

Concen: 12.276 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX037704.D

Acq: 13 Sep 2023 18:57

Instrument :

MSVOA_X

ClientSampleId :

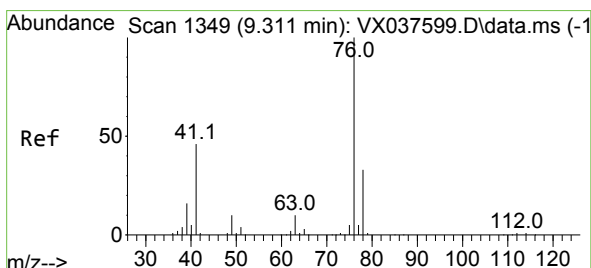
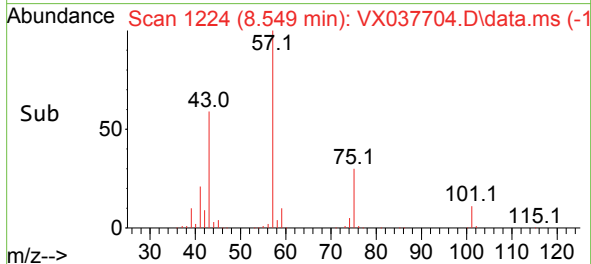
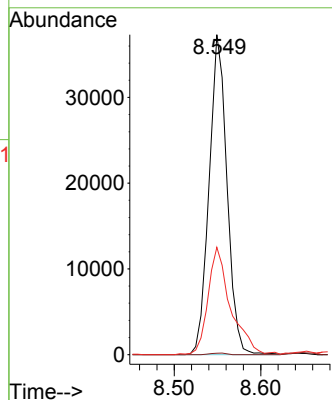
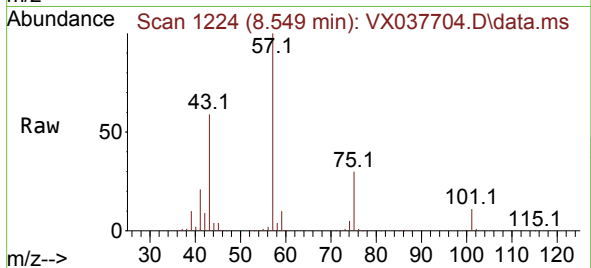
Tgt Ion: 75 Resp: 53633

Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 33.4 46.7 70.1#



#57

1,3-Dichloropropane

Concen: 1.439 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX037704.D

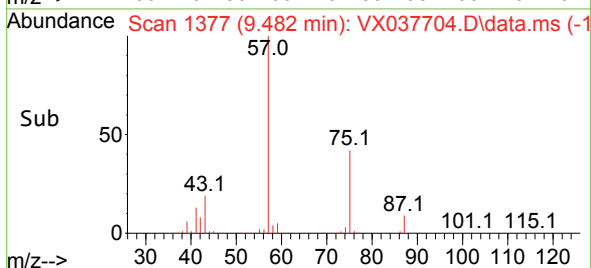
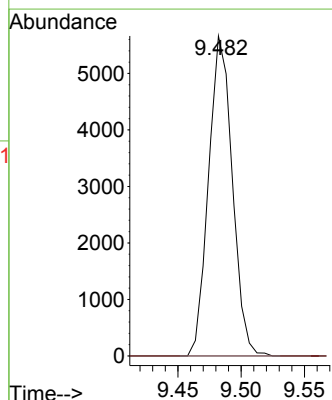
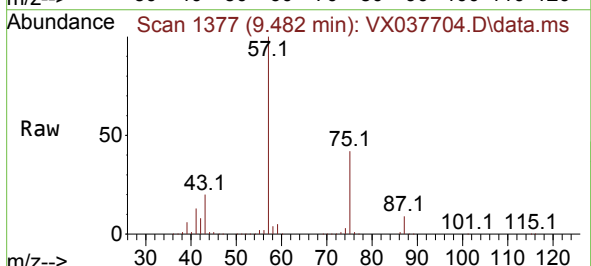
Acq: 13 Sep 2023 18:57

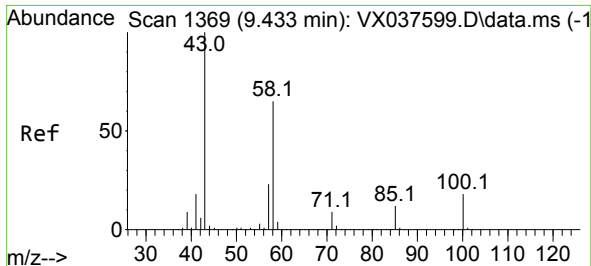
Tgt Ion: 76 Resp: 7407

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 28.769 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX037704.D

Acq: 13 Sep 2023 18:57

Instrument :

MSVOA_X

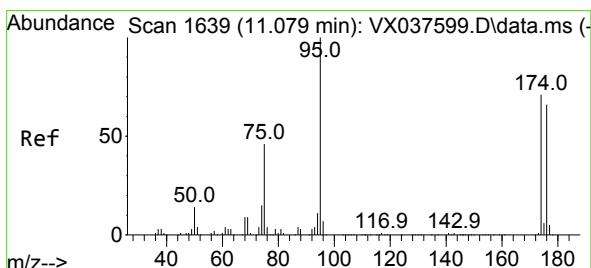
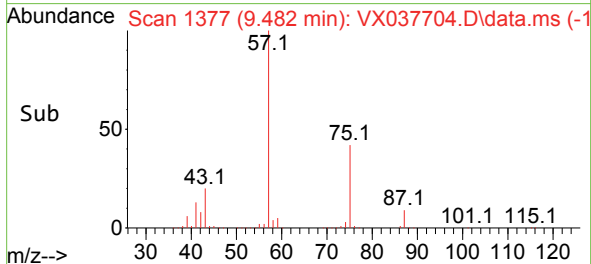
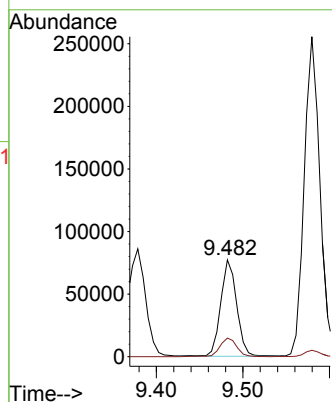
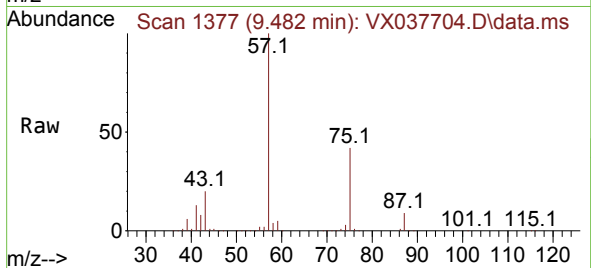
ClientSampleId :

Tgt Ion: 43 Resp: 99489

Ion Ratio Lower Upper

43 100

58 20.4 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 44.450 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037704.D

Acq: 13 Sep 2023 18:57

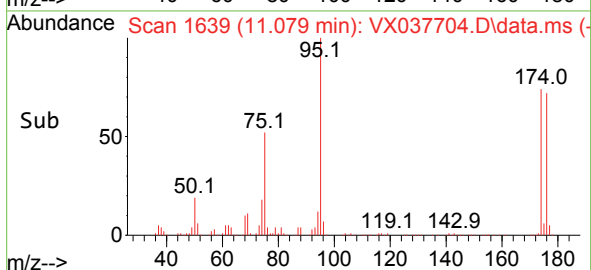
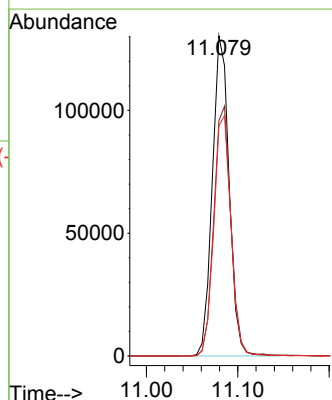
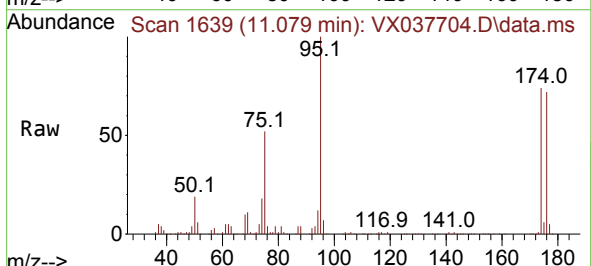
Tgt Ion: 95 Resp: 166169

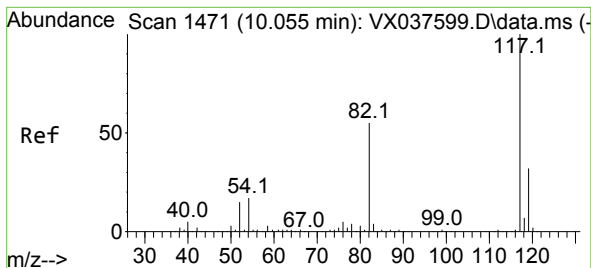
Ion Ratio Lower Upper

95 100

174 79.7 0.0 135.6

176 76.7 0.0 131.0

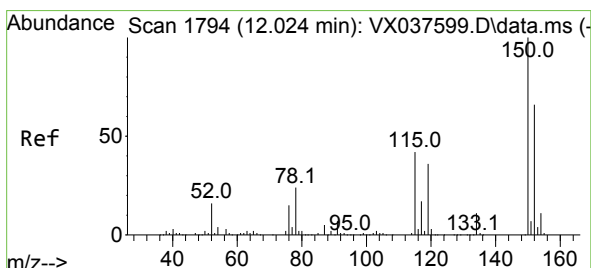
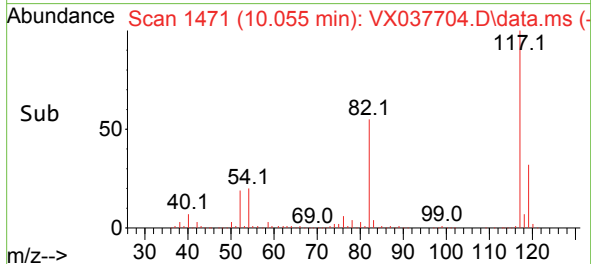
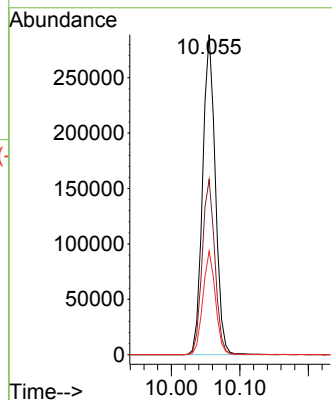
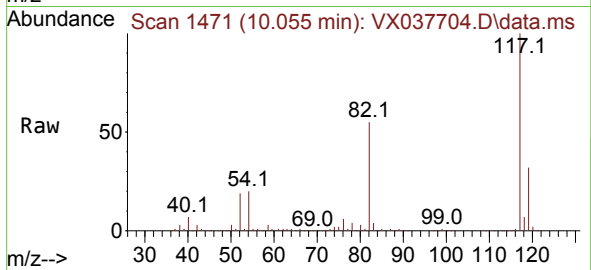




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

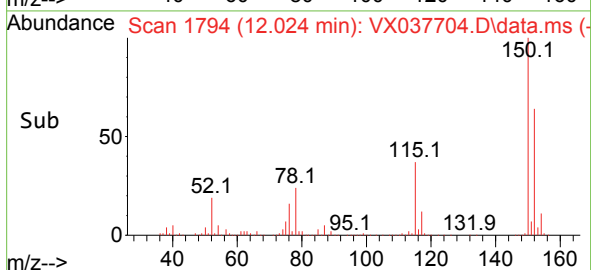
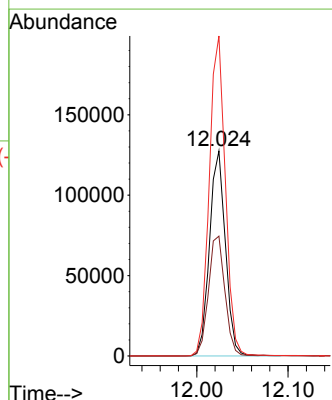
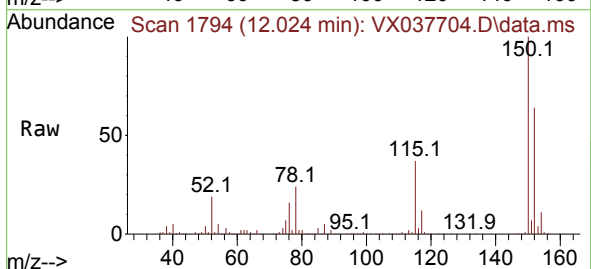
Instrument :
MSVOA_X
ClientSampleId :

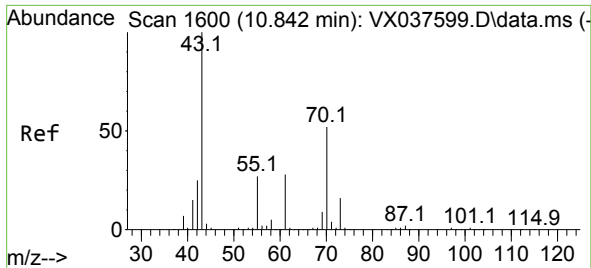
Tgt Ion:117 Resp: 373115
Ion Ratio Lower Upper
117 100
82 54.8 46.2 69.4
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

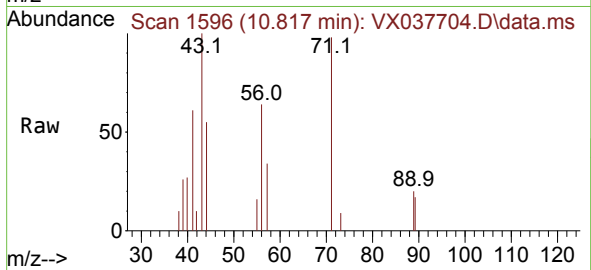
Tgt Ion:152 Resp: 154274
Ion Ratio Lower Upper
152 100
115 60.4 43.3 129.9
150 157.3 0.0 345.0



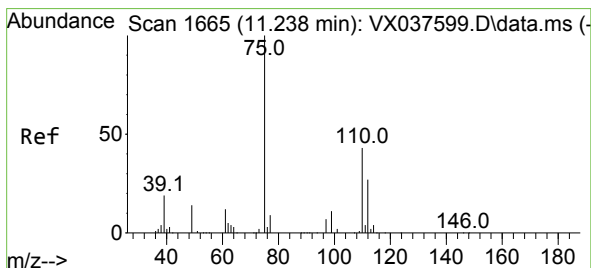
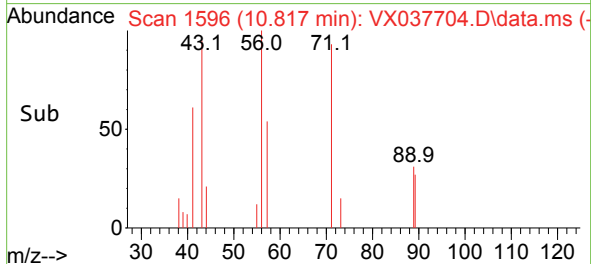
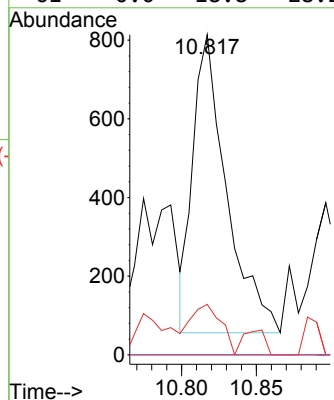


#74
N-amy1 acetate
Concen: 0.235 ug/l
RT: 10.817 min Scan# 1186
Delta R.T. -0.024 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

Instrument :
MSVOA_X
ClientSampleId :

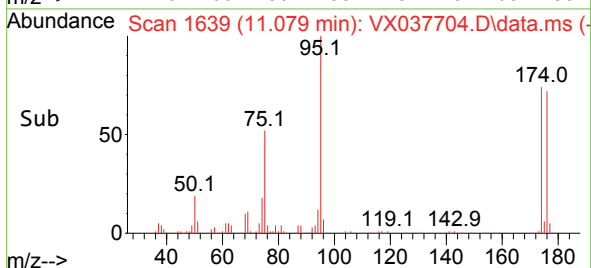
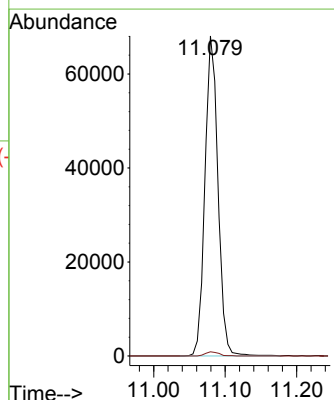
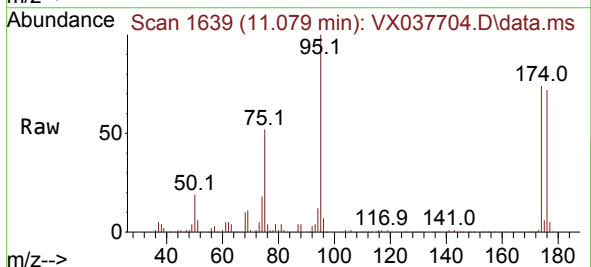


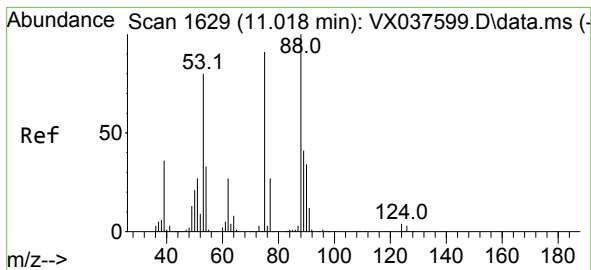
Tgt Ion:	43	Resp:	1186
Ion Ratio	100	Lower	Upper
70	0.0	32.9	49.3#
55	15.4	19.3	28.9#
61	0.0	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 25.434 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037704.D
Acq: 13 Sep 2023 18:57

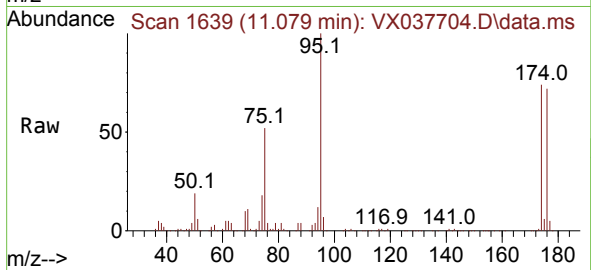
Tgt Ion:	75	Resp:	86264
Ion Ratio	100	Lower	Upper
77	1.4	19.1	57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.313 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037704.D
 Acq: 13 Sep 2023 18:57

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 86264
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

