

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037714.D
 Acq On : 14 Sep 2023 06:35
 Operator : JC/MD
 Sample : 04399-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 14 07:29:09 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

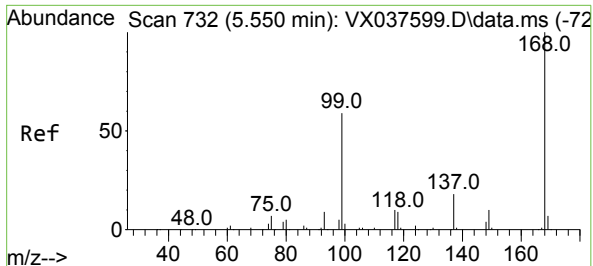
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.549	168	231775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	406312	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	387607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	170344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	162438	43.317	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.640%		
35) Dibromofluoromethane	5.385	113	130679	45.375	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.740%		
50) Toluene-d8	8.646	98	499828	46.018	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.040%		
62) 4-Bromofluorobenzene	11.079	95	177410	45.274	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.540%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	11015	3.488	ug/l #	82
16) Acetone	2.379	43	23804	15.701	ug/l	95
18) Methyl Acetate	2.702	43	2698	0.421	ug/l	93
20) Methylene Chloride	2.788	84	14066	3.617	ug/l	90
25) 2-Butanone	4.568	43	14582	5.899	ug/l	98
31) Cyclohexane	5.549	56	5359	1.241	ug/l #	7
36) 1,1-Dichloropropene	5.549	75	18939	4.834	ug/l #	50
37) Ethyl Acetate	4.739	43	4287	0.956	ug/l #	88
38) Carbon Tetrachloride	5.549	117	23896	5.970	ug/l #	15
43) Isopropyl Acetate	6.336	43	142213	19.885	ug/l	97
48) Methyl methacrylate	7.793	41	125668	36.350	ug/l #	49
49) 1,4-Dioxane	7.793	88	176	2.055	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	135874	28.933	ug/l #	37
53) t-1,3-Dichloropropene	8.957	75	1019	0.244	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	53656	11.716	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	7006	1.299	ug/l #	42
59) 2-Hexanone	9.482	43	89872	24.793	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	92604	24.728	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	92604	75.165	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.585	180	788	0.228	ug/l	81

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

Quant Time: Sep 14 07:29:09 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

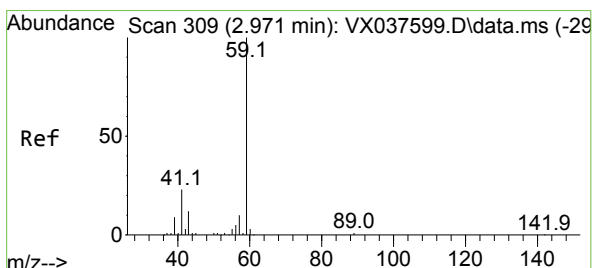
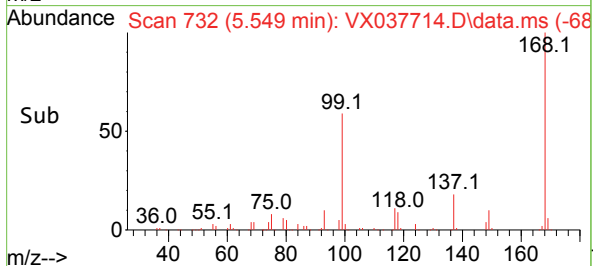
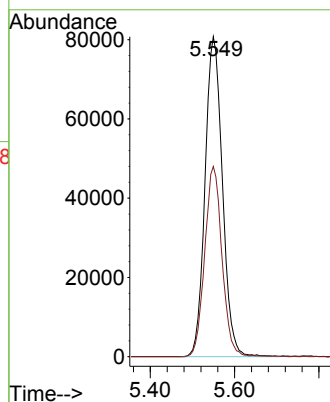
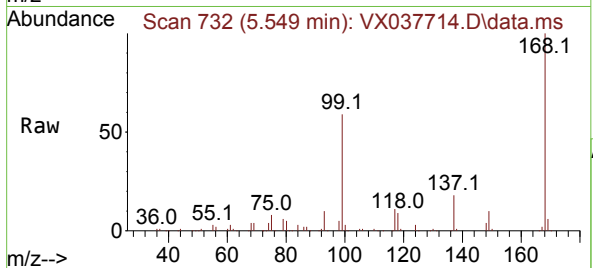




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

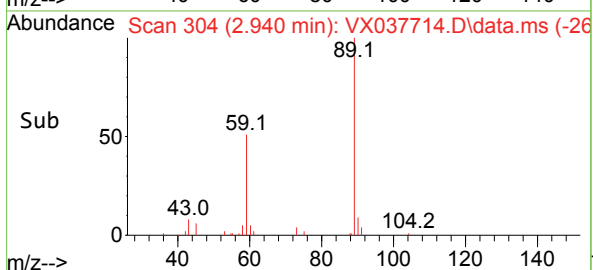
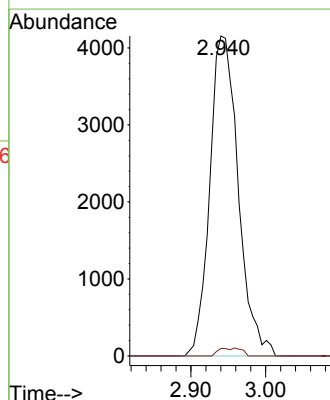
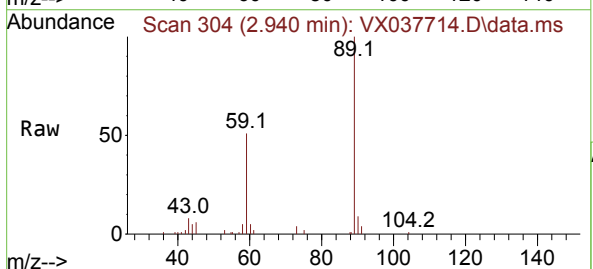
Instrument :
MSVOA_X
ClientSampleId :

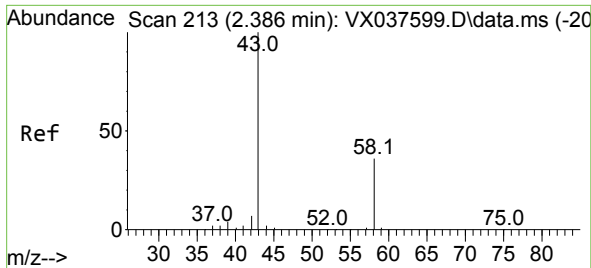
Tgt Ion:168 Resp: 231775
Ion Ratio Lower Upper
168 100
99 59.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 3.488 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.031 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

Tgt Ion: 59 Resp: 11015
Ion Ratio Lower Upper
59 100
57 1.1 6.0 9.0#

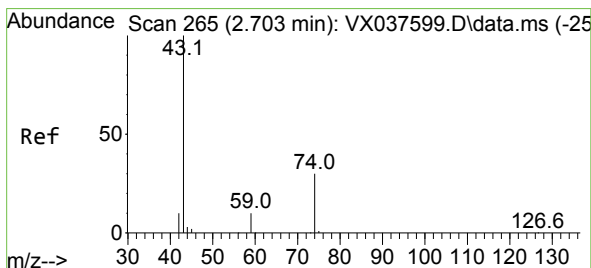
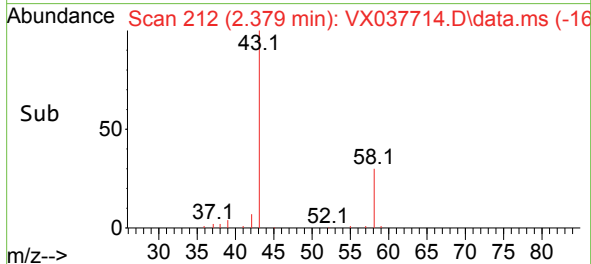
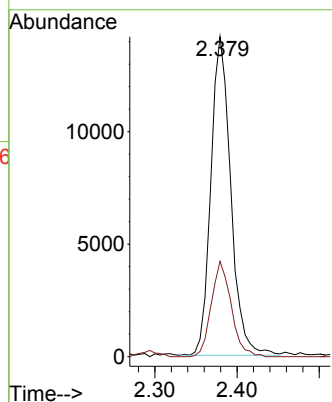
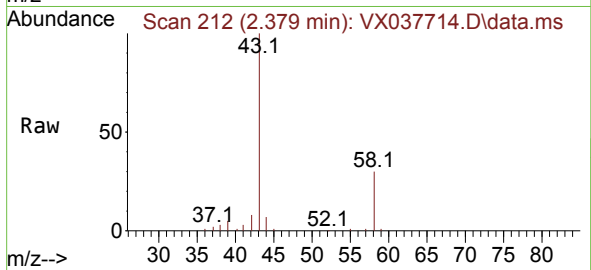




#16
Acetone
Concen: 15.701 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

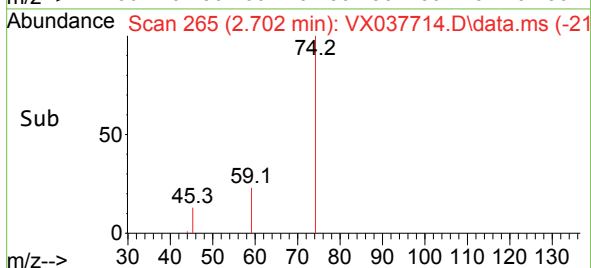
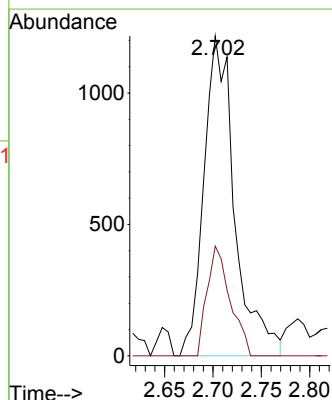
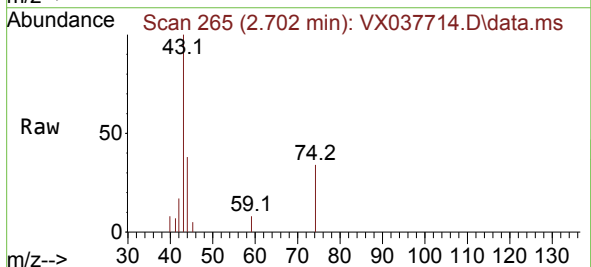
Instrument :
MSVOA_X
ClientSampleId :

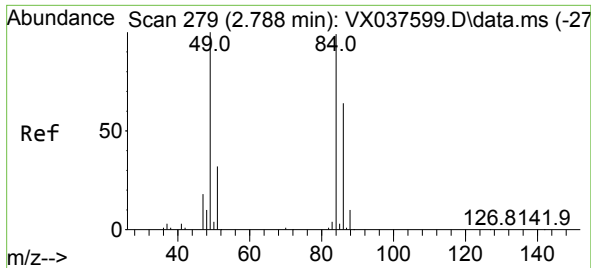
Tgt Ion: 43 Resp: 23804
Ion Ratio Lower Upper
43 100
58 29.9 21.9 32.9



#18
Methyl Acetate
Concen: 0.421 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

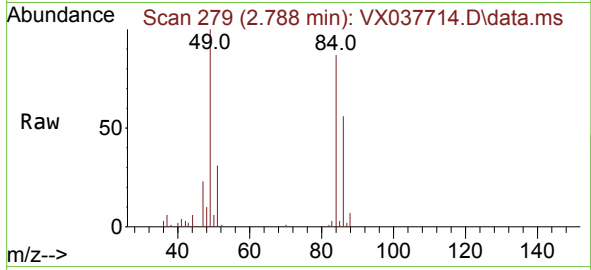
Tgt Ion: 43 Resp: 2698
Ion Ratio Lower Upper
43 100
74 25.6 17.8 26.8



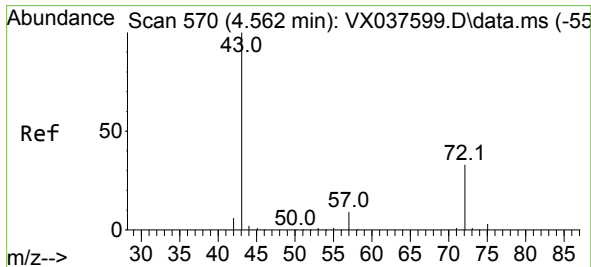
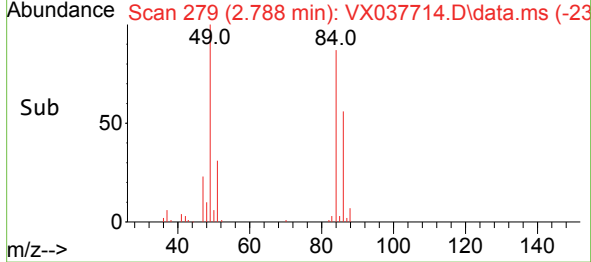
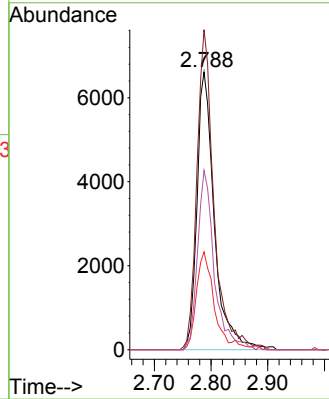


#20
Methylene Chloride
Concen: 3.617 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

Instrument :
MSVOA_X
ClientSampleId :

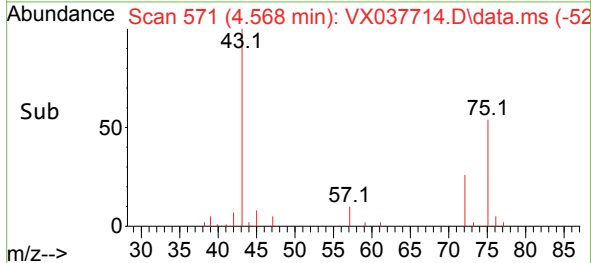
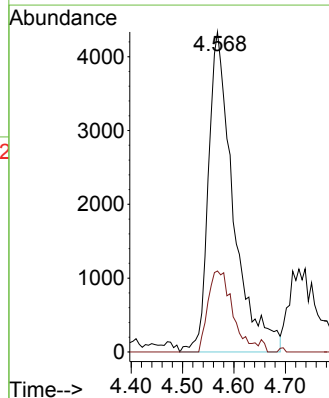
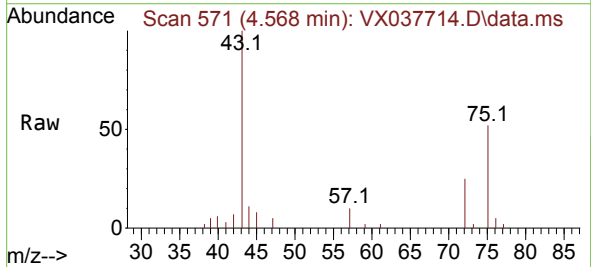


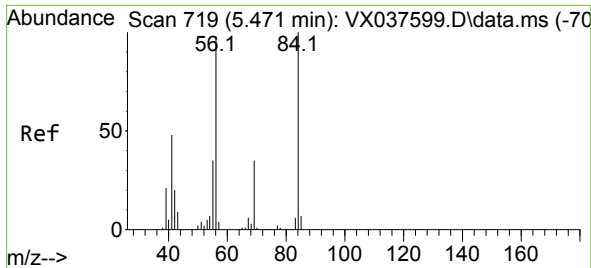
Tgt Ion:	84	Resp:	14066
Ion	Ratio	Lower	Upper
84	100		
49	115.2	103.6	155.4
51	35.2	33.8	50.6
86	64.5	49.4	74.0



#25
2-Butanone
Concen: 5.899 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

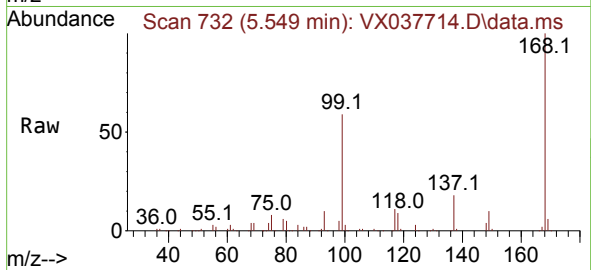
Tgt Ion:	43	Resp:	14582
Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.4	29.2



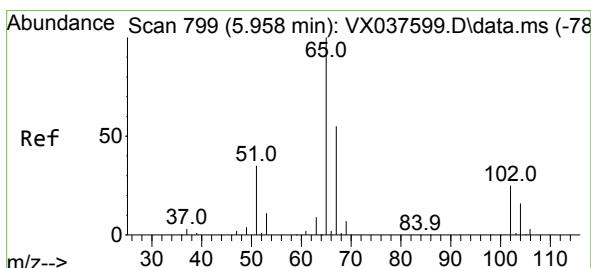
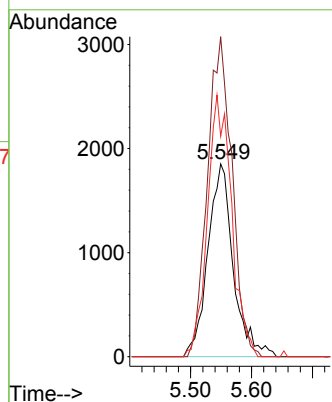
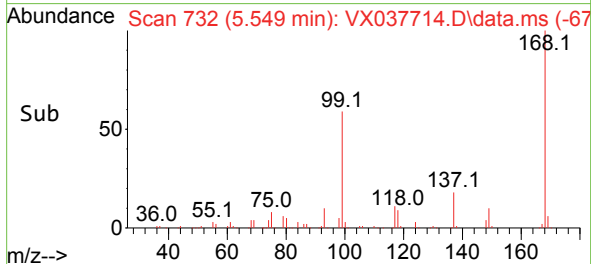


#31
Cyclohexane
Concen: 1.241 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

Instrument :
MSVOA_X
ClientSampleId :

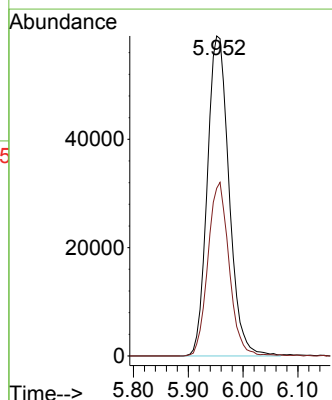
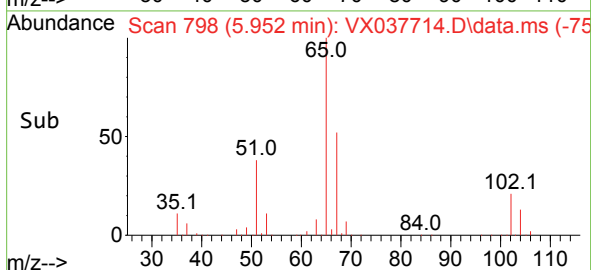
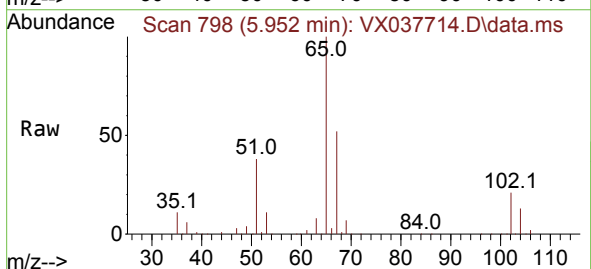


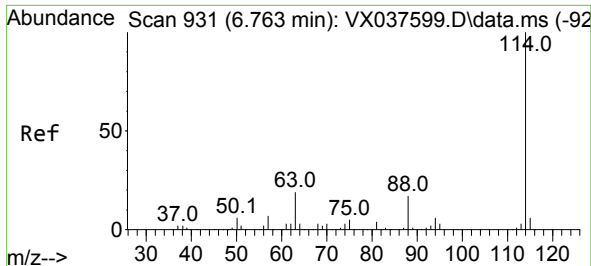
Tgt Ion: 56 Resp: 5359
Ion Ratio Lower Upper
56 100
69 165.9 23.4 35.2#
84 114.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.317 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.007 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

Tgt Ion: 65 Resp: 162438
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.2

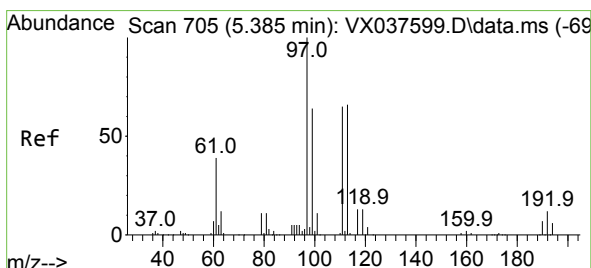
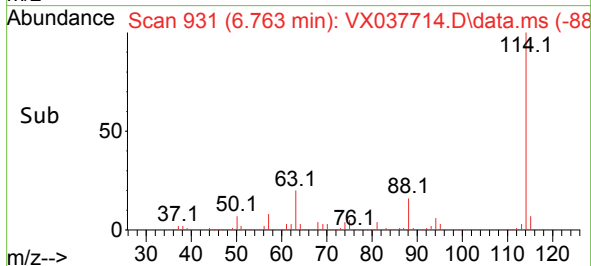
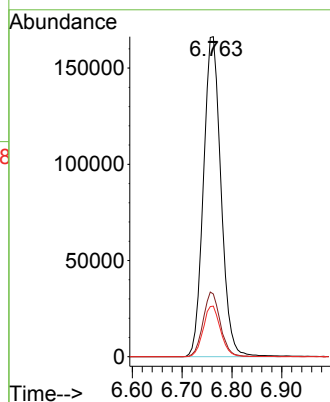
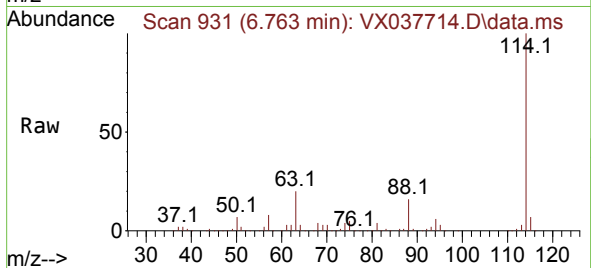




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

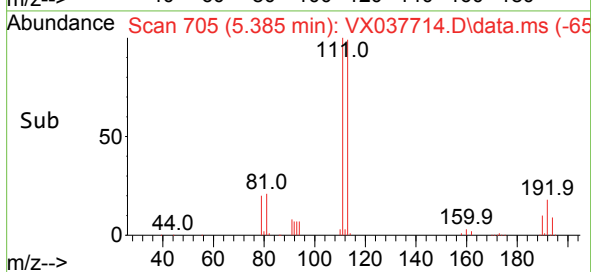
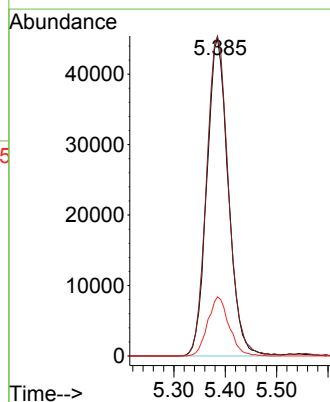
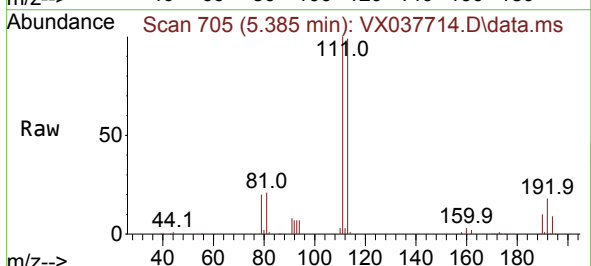
Instrument :
MSVOA_X
ClientSampleId :

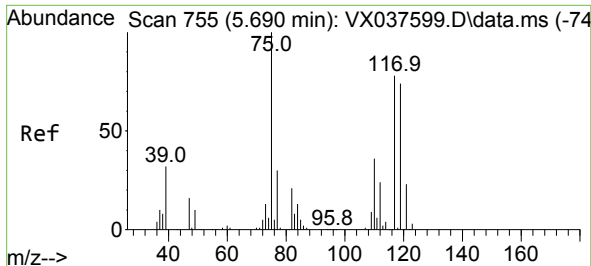
Tgt Ion:114 Resp: 406312
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.375 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

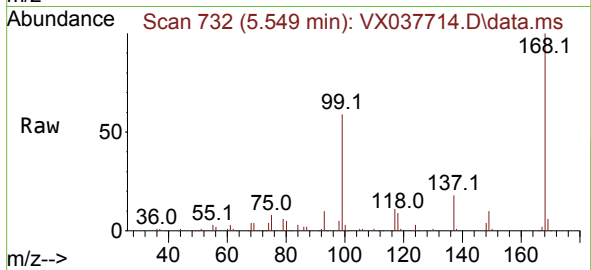
Tgt Ion:113 Resp: 130679
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 18.5 13.3 19.9



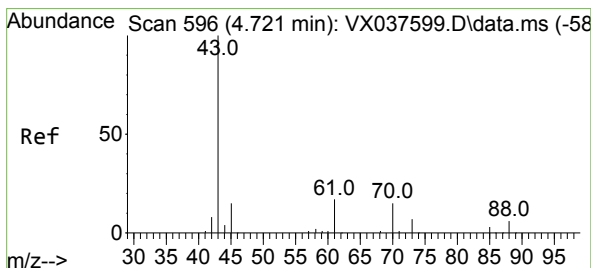
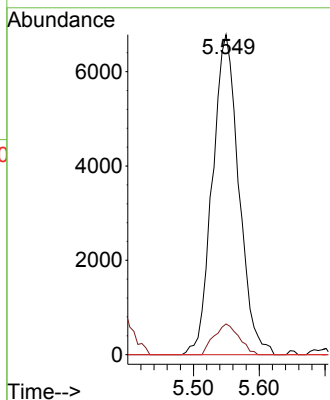
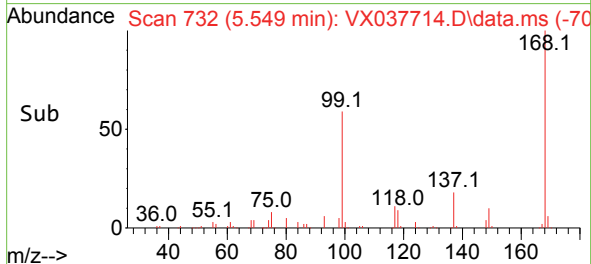


#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.141 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

Instrument :
MSVOA_X
ClientSampleId :

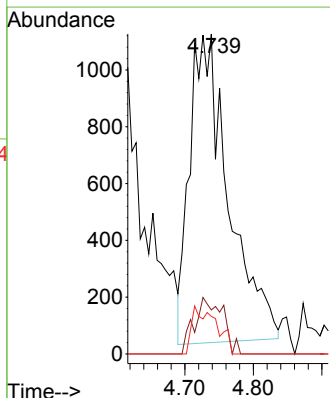
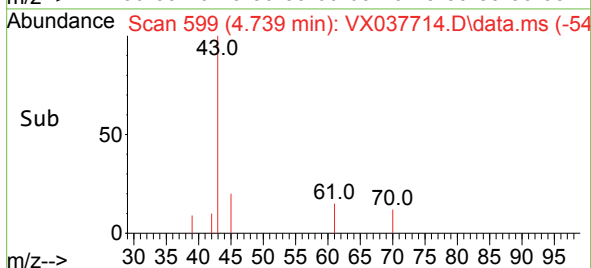
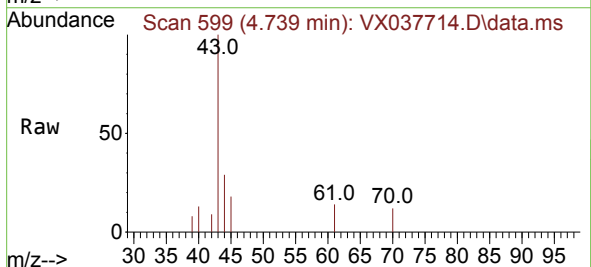


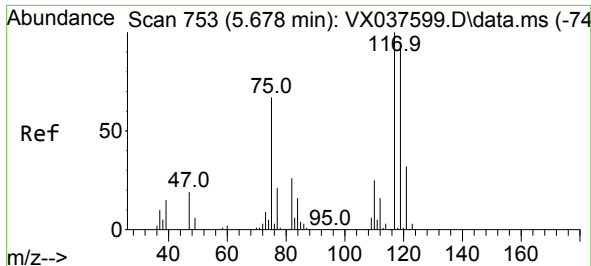
Tgt Ion: 75 Resp: 18939
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.956 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.018 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

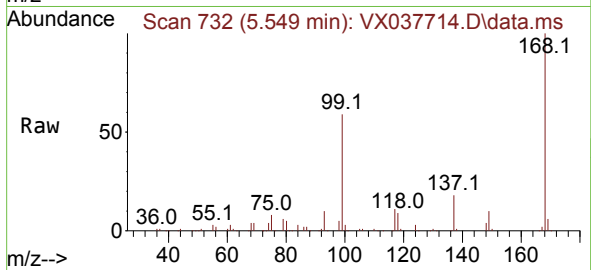
Tgt Ion: 43 Resp: 4287
Ion Ratio Lower Upper
43 100
61 13.3 10.6 16.0
70 0.0 8.3 12.5#



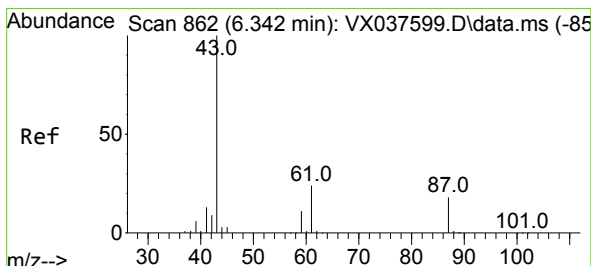
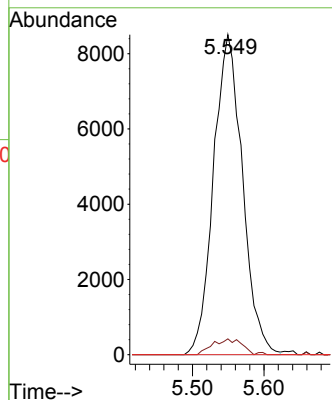
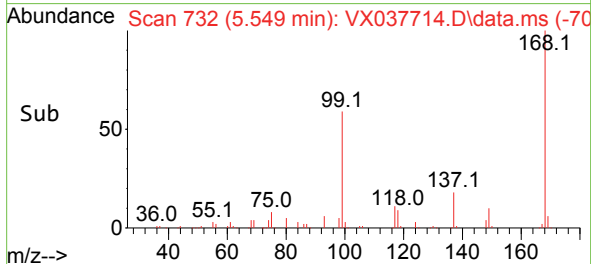


#38
Carbon Tetrachloride
Concen: 5.970 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

Instrument :
MSVOA_X
ClientSampleId :

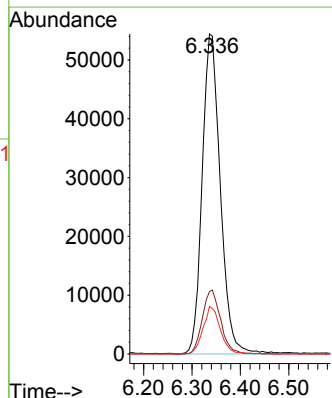
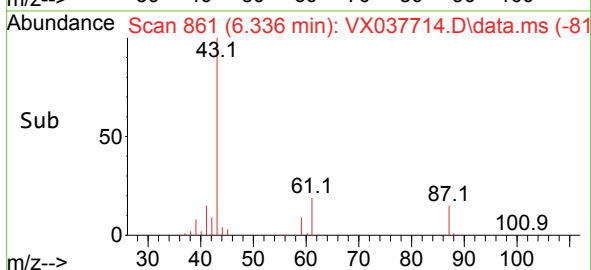
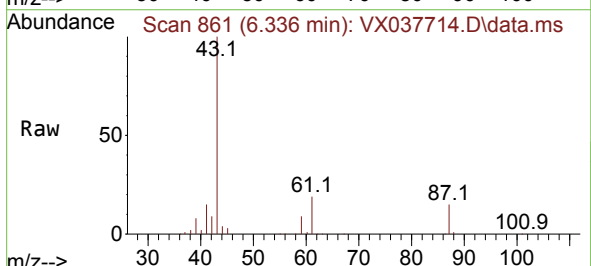


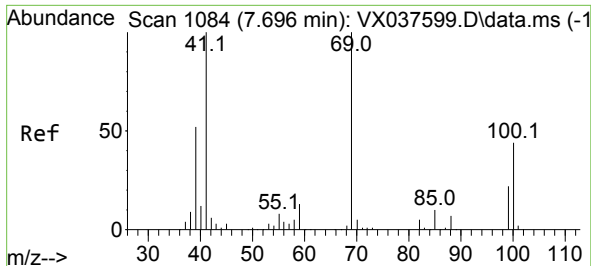
Tgt Ion:117 Resp: 23896
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 19.885 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.007 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

Tgt Ion: 43 Resp: 142213
Ion Ratio Lower Upper
43 100
61 20.0 15.2 22.8
87 14.1 9.8 14.6





#48

Methyl methacrylate

Concen: 36.350 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.097 min

Lab File: VX037714.D

Acq: 14 Sep 2023 06:35

Instrument :

MSVOA_X

ClientSampleId :

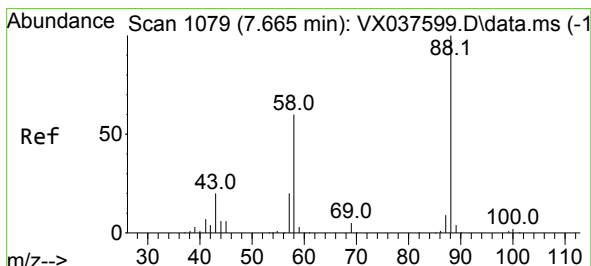
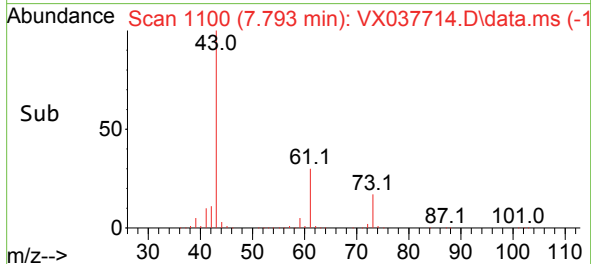
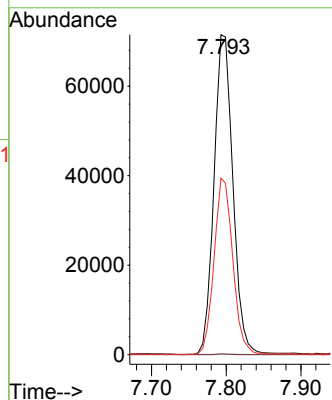
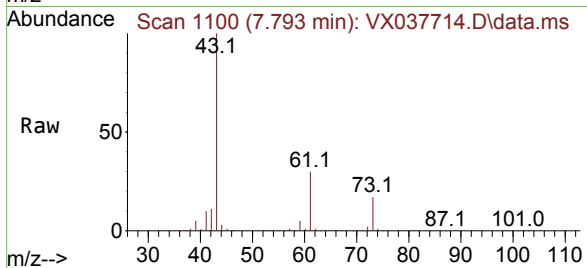
Tgt Ion: 41 Resp: 125668

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 55.0 47.7 71.5



#49

1,4-Dioxane

Concen: 2.055 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.128 min

Lab File: VX037714.D

Acq: 14 Sep 2023 06:35

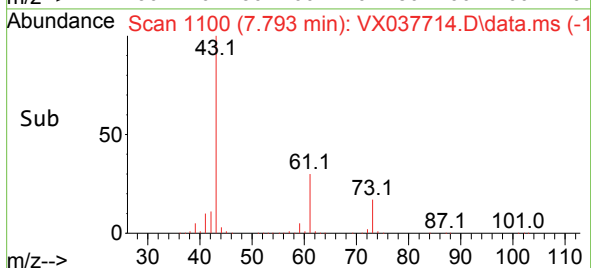
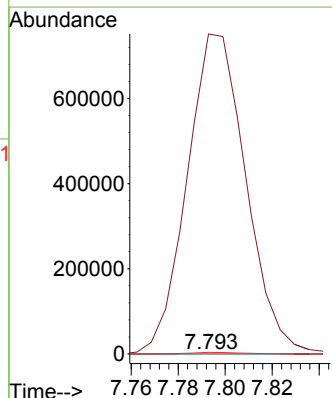
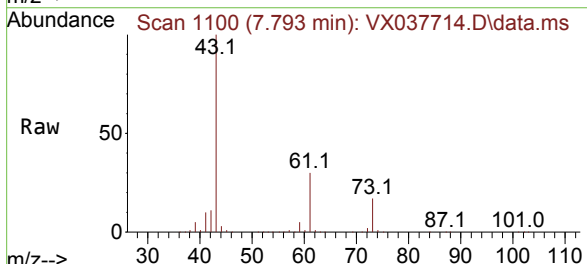
Tgt Ion: 88 Resp: 176

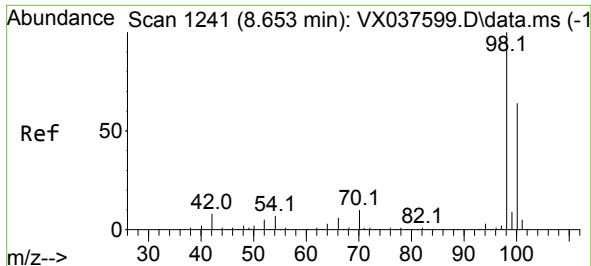
Ion Ratio Lower Upper

88 100

43 750057.4 0.0 0.0#

58 3498.3 60.1 90.1#

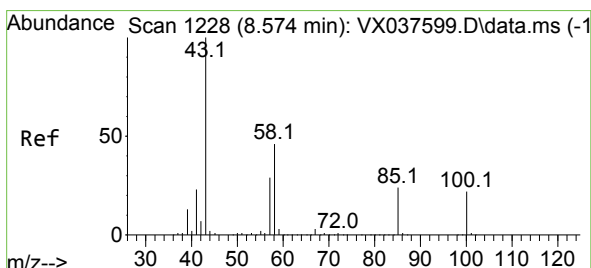
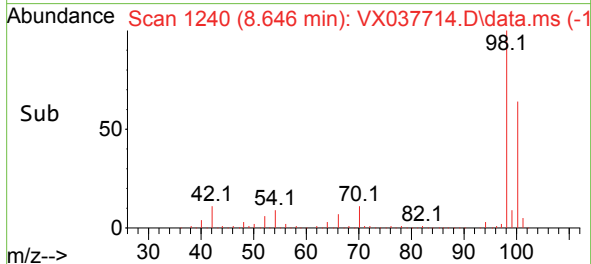
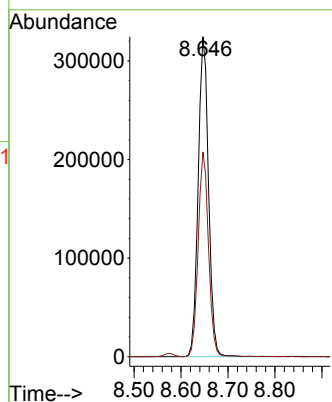
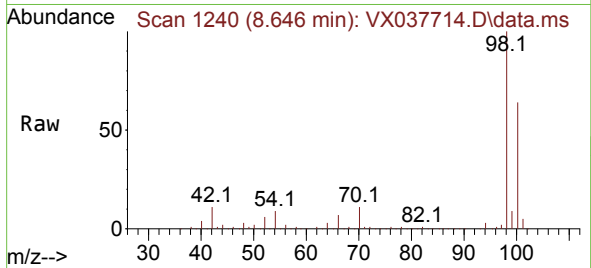




#50
Toluene-d8
Concen: 46.018 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.007 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

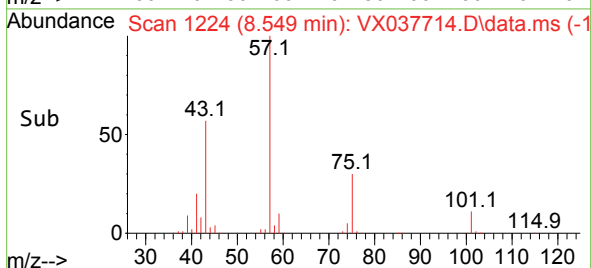
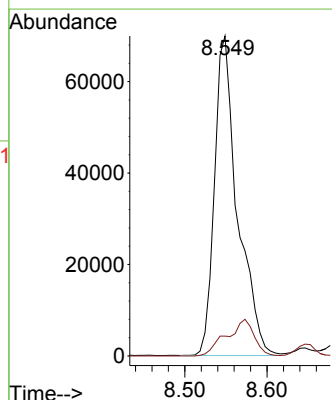
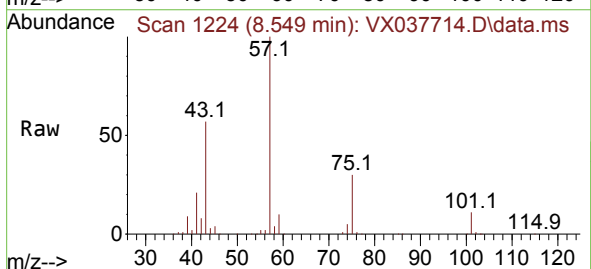
Instrument :
MSVOA_X
ClientSampleId :

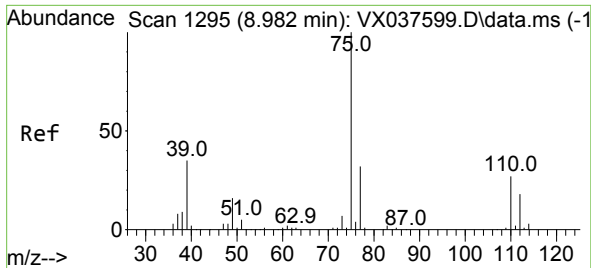
Tgt Ion: 98 Resp: 499828
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 28.933 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

Tgt Ion: 43 Resp: 135874
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

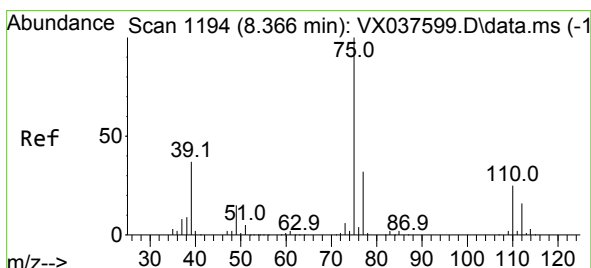
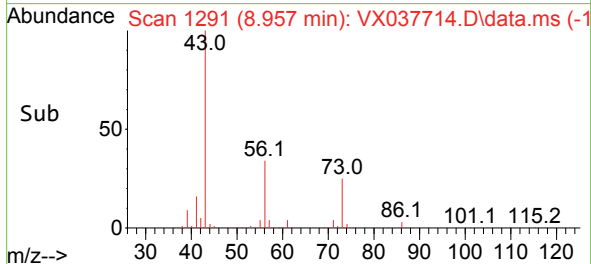
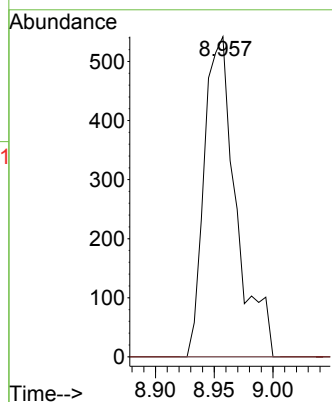
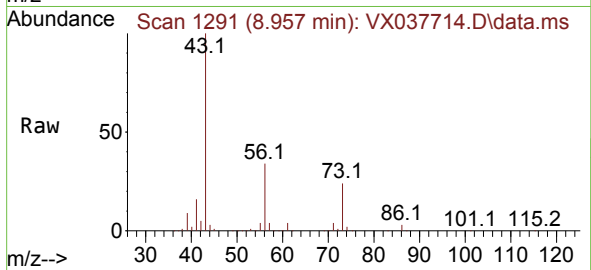




#53
 t-1,3-Dichloropropene
 Concen: 0.244 ug/l
 RT: 8.957 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX037714.D
 Acq: 14 Sep 2023 06:35

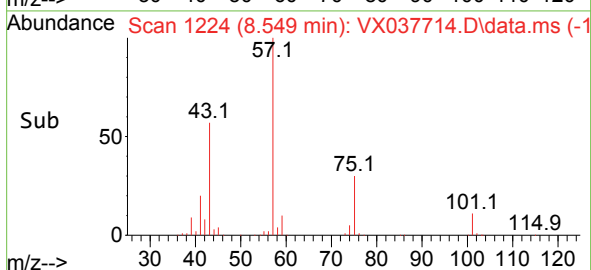
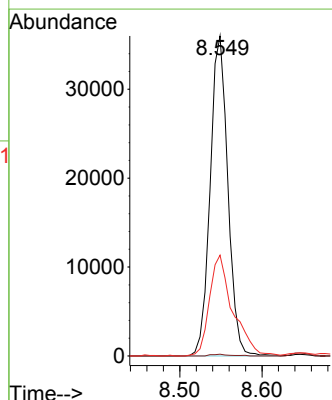
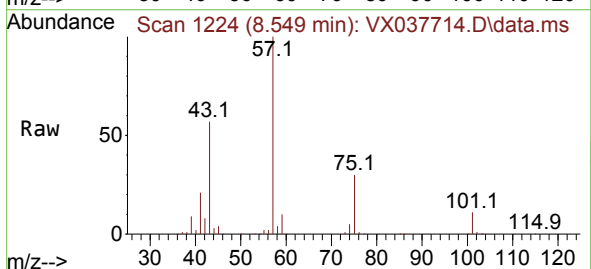
Instrument :
 MSVOA_X
 ClientSampleId :

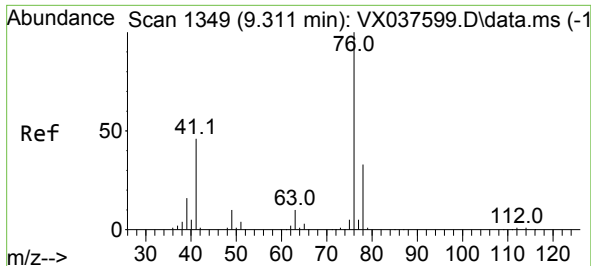
Tgt Ion: 75 Resp: 1019
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.716 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.182 min
 Lab File: VX037714.D
 Acq: 14 Sep 2023 06:35

Tgt Ion: 75 Resp: 53656
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 31.5 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.299 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.170 min

Lab File: VX037714.D

Acq: 14 Sep 2023 06:35

Instrument :

MSVOA_X

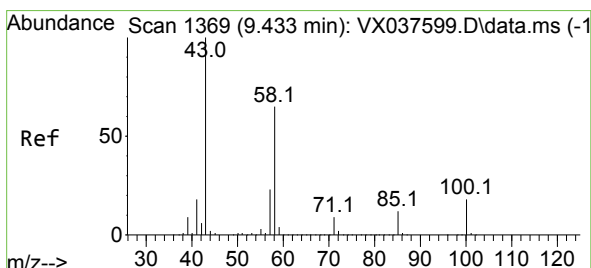
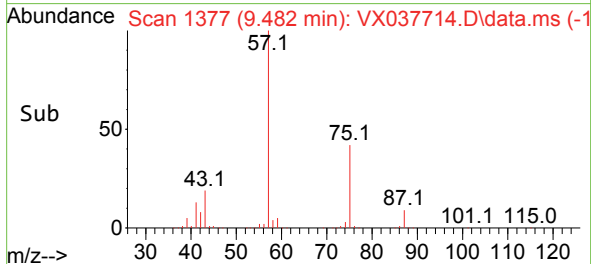
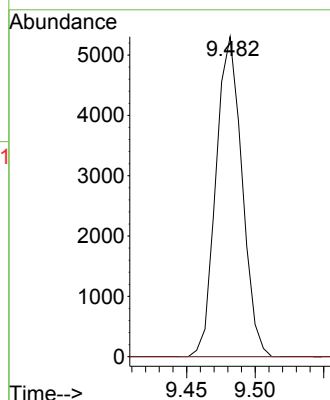
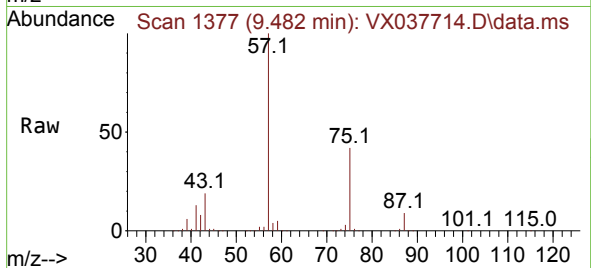
ClientSampleId :

Tgt Ion: 76 Resp: 7006

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 24.793 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.048 min

Lab File: VX037714.D

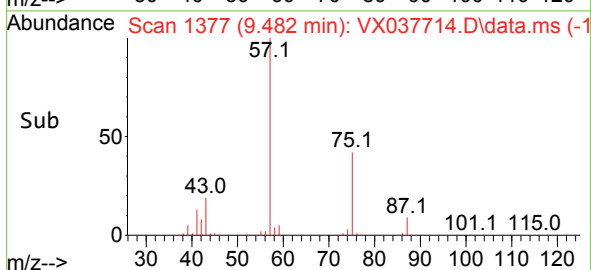
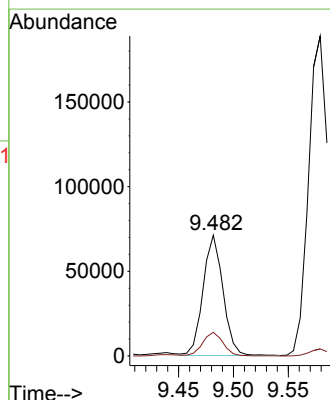
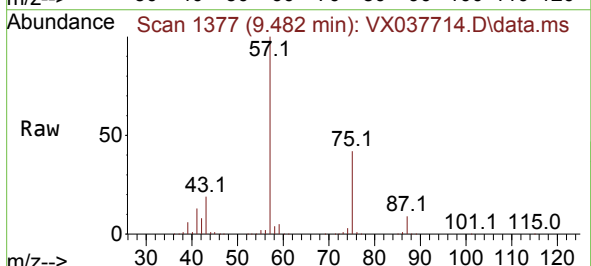
Acq: 14 Sep 2023 06:35

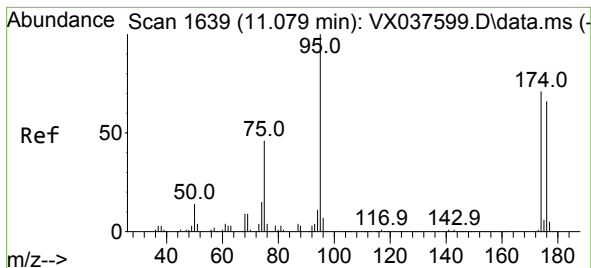
Tgt Ion: 43 Resp: 89872

Ion Ratio Lower Upper

43 100

58 20.1 26.2 78.5#

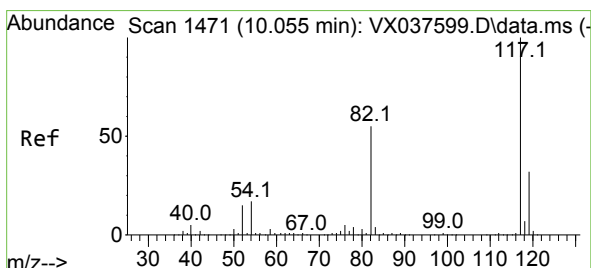
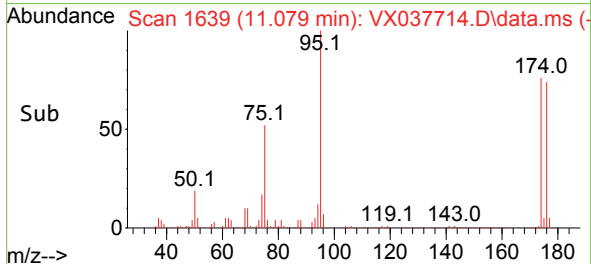
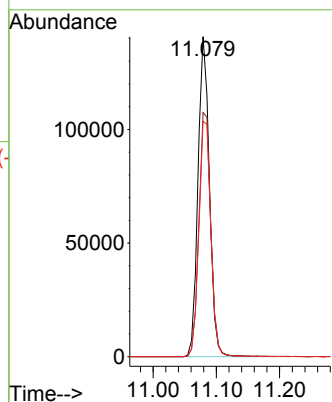
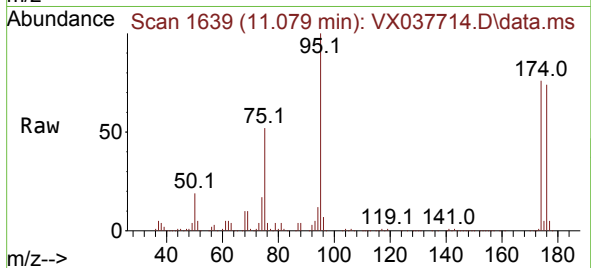




#62
4-Bromofluorobenzene
Concen: 45.274 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

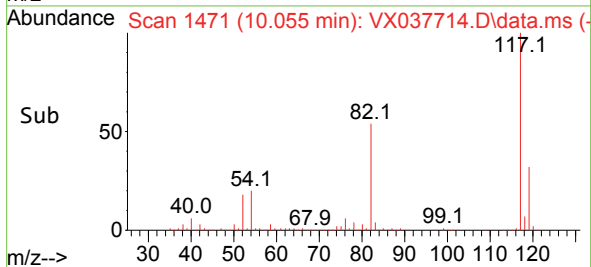
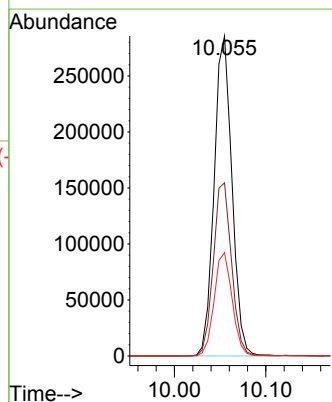
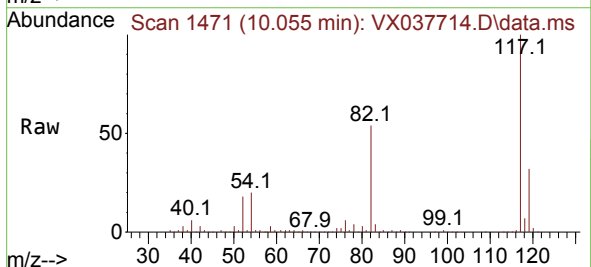
Instrument :
MSVOA_X
ClientSampleId :

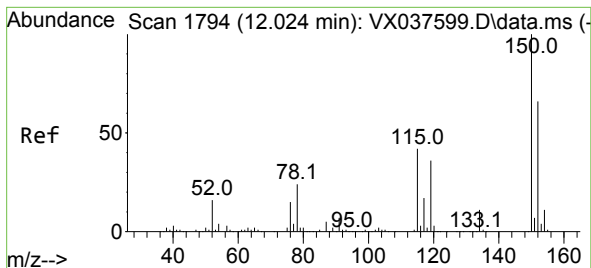
Tgt Ion: 95 Resp: 177410
Ion Ratio Lower Upper
95 100
174 79.5 0.0 135.6
176 77.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037714.D
Acq: 14 Sep 2023 06:35

Tgt Ion: 117 Resp: 387607
Ion Ratio Lower Upper
117 100
82 54.1 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# 1

Delta R.T. -0.000 min

Lab File: VX037714.D

Acq: 14 Sep 2023 06:35

Instrument :

MSVOA_X

ClientSampleId :

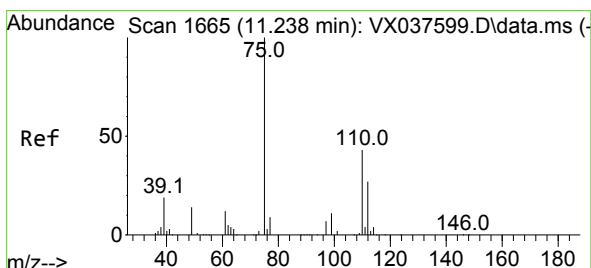
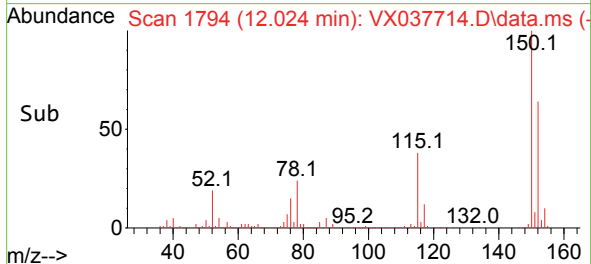
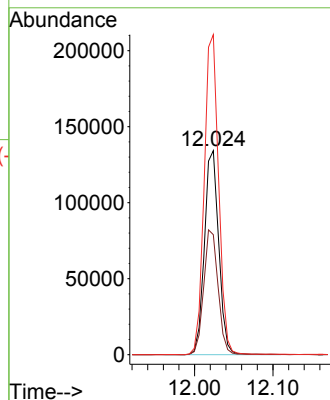
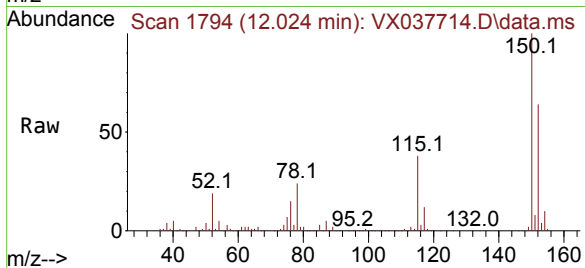
Tgt Ion:152 Resp: 170344

Ion Ratio Lower Upper

152 100

115 61.5 43.3 129.9

150 157.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.728 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037714.D

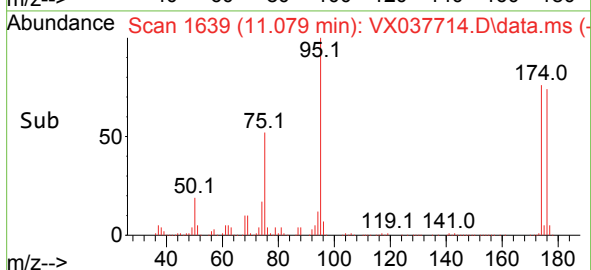
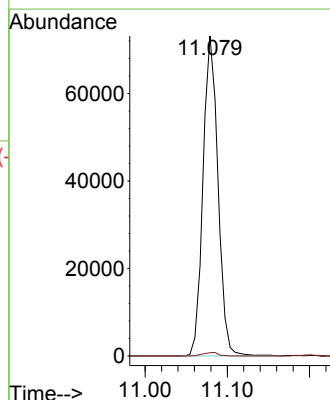
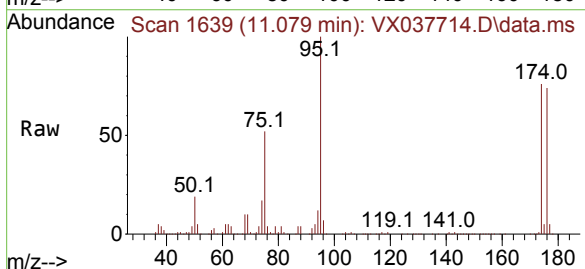
Acq: 14 Sep 2023 06:35

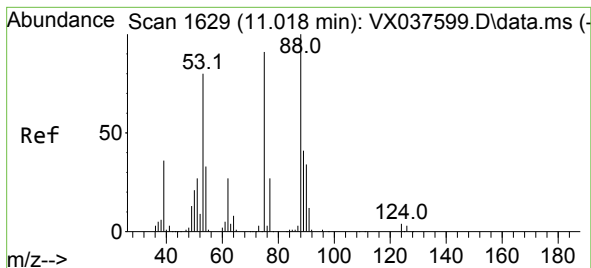
Tgt Ion: 75 Resp: 92604

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

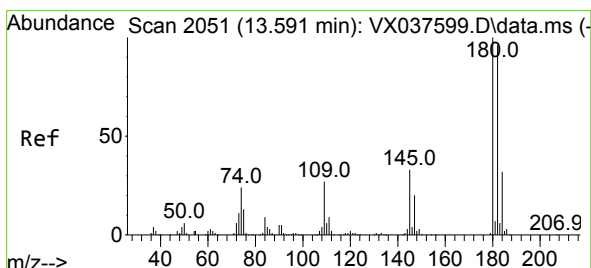
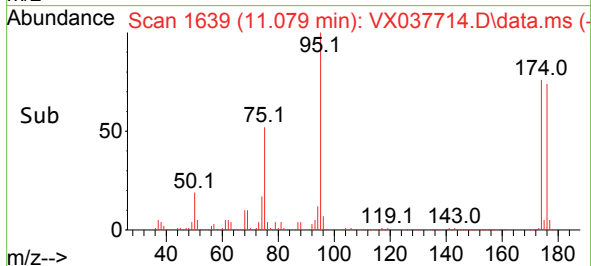
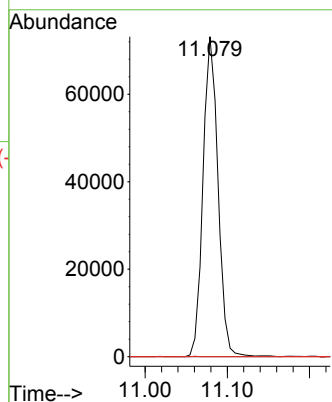
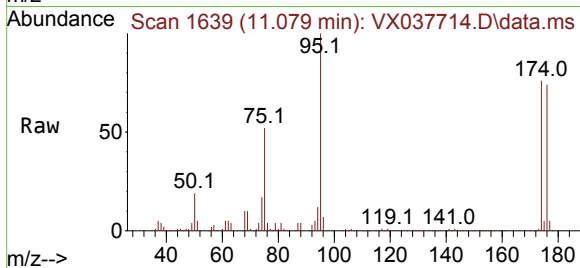




#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.165 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037714.D
 Acq: 14 Sep 2023 06:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 92604
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.228 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. -0.007 min
 Lab File: VX037714.D
 Acq: 14 Sep 2023 06:35

Tgt Ion:180 Resp: 788
 Ion Ratio Lower Upper
 180 100
 182 77.5 48.3 144.8
 145 24.4 18.0 54.0

