

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037717.D
 Acq On : 14 Sep 2023 07:48
 Operator : JC/MD
 Sample : 04401-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 14 08:46:45 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

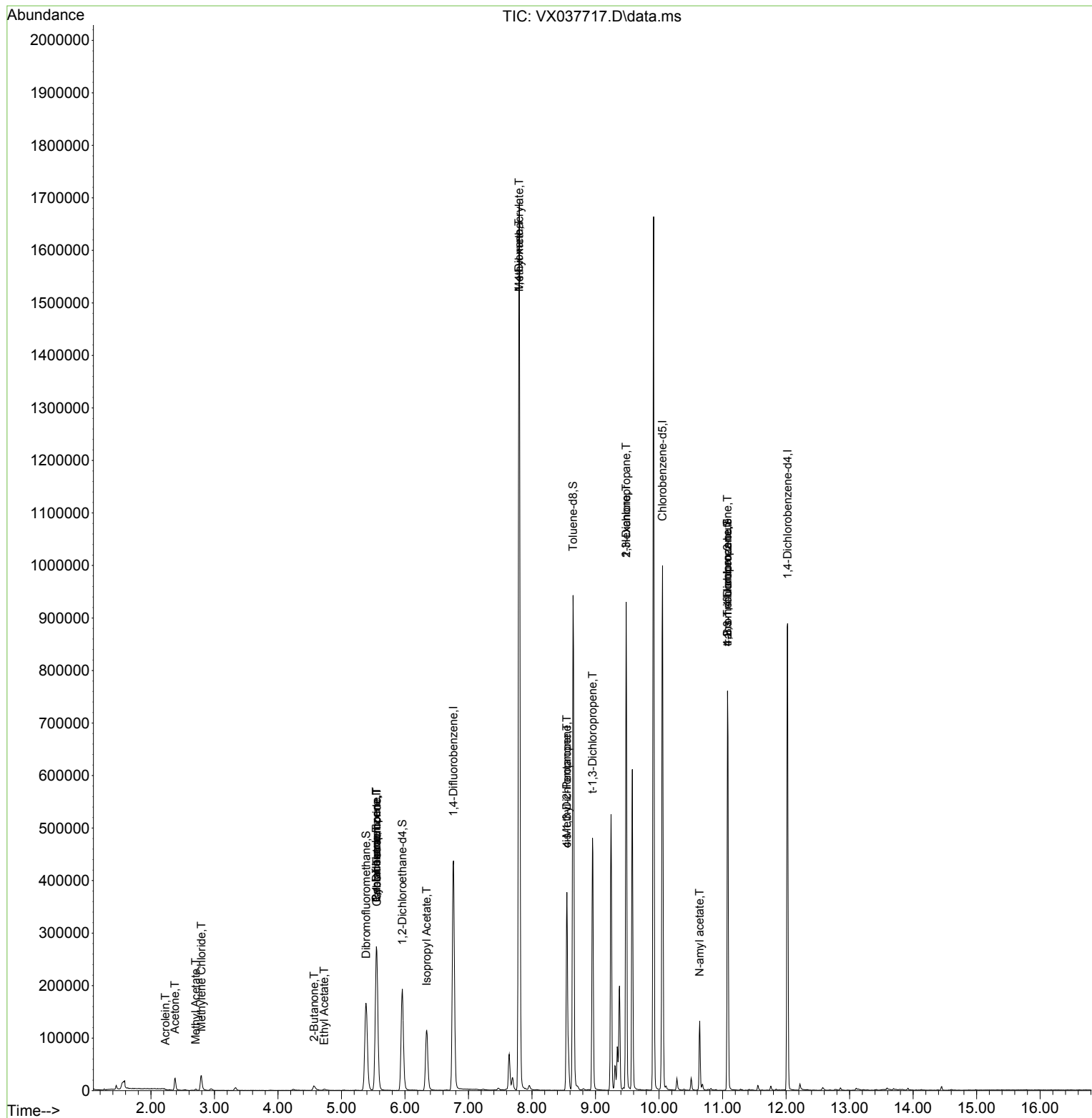
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	260115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	458183	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	433485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	189823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	181708	43.177	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.360%		
35) Dibromofluoromethane	5.385	113	148322	45.671	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.340%		
50) Toluene-d8	8.647	98	562856	45.954	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.900%#		
62) 4-Bromofluorobenzene	11.079	95	196770	44.530	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.060%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	2207	Below Cal	#	82
13) Acrolein	2.227	56	207	0.301	ug/l #	14
16) Acetone	2.380	43	24900	14.635	ug/l	91
18) Methyl Acetate	2.703	43	3103	0.432	ug/l	96
20) Methylene Chloride	2.794	84	15093	3.401	ug/l	85
25) 2-Butanone	4.568	43	14161	5.104	ug/l	92
31) Cyclohexane	5.550	56	5868	1.211	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	21737	4.920	ug/l #	51
37) Ethyl Acetate	4.727	43	4105	0.812	ug/l	99
38) Carbon Tetrachloride	5.556	117	26965	5.974	ug/l #	15
43) Isopropyl Acetate	6.342	43	158745	19.684	ug/l	97
48) Methyl methacrylate	7.799	41	150024	38.482	ug/l #	48
49) 1,4-Dioxane	7.793	88	194	2.009	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	149546	28.239	ug/l #	37
53) t-1,3-Dichloropropene	8.952	75	1103	0.234	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	59147	11.453	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	7565	1.244	ug/l #	43
59) 2-Hexanone	9.482	43	103464	25.311	ug/l #	55
74) N-amyl acetate	10.640	43	31471	5.078	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	101759	24.384	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	101759	74.120	ug/l #	5

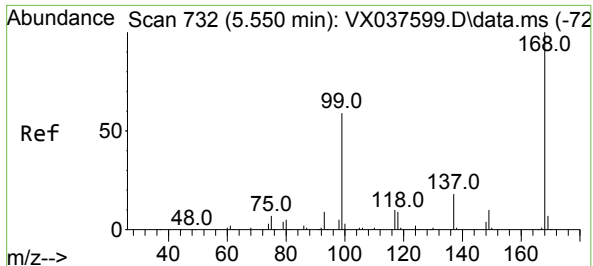
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 12 10:10:04 2023
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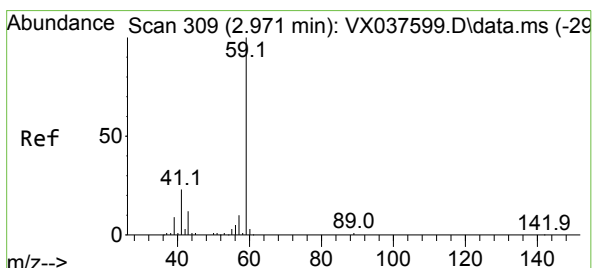
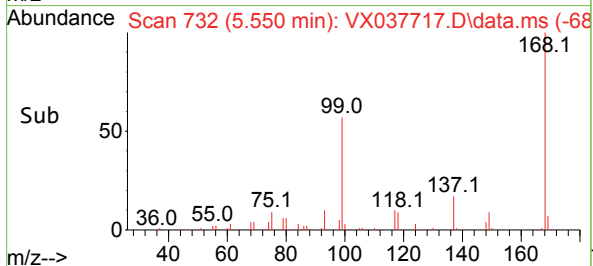
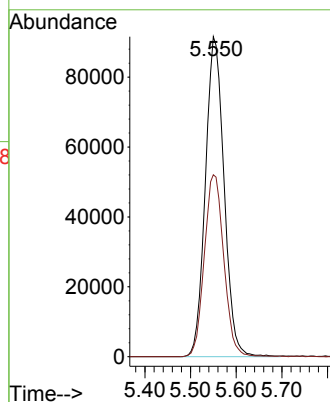
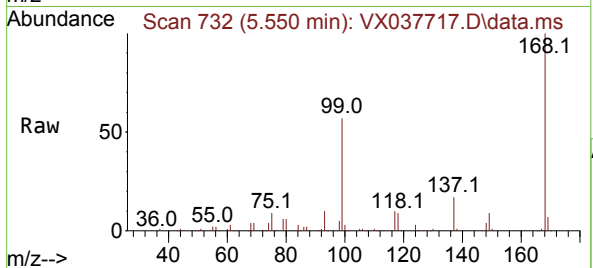




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

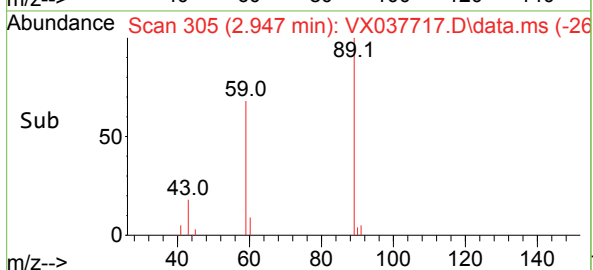
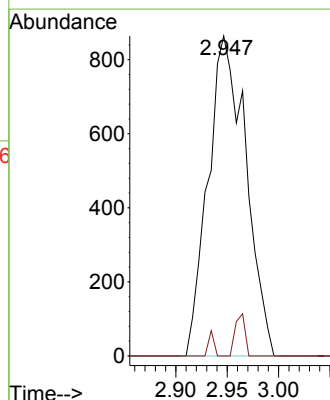
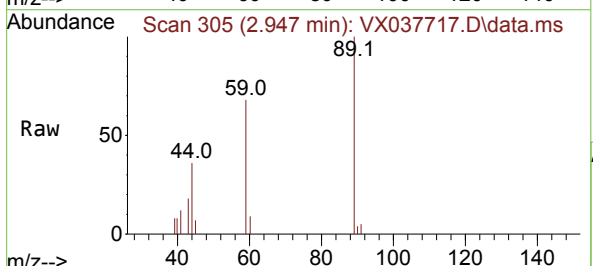
Instrument :
MSVOA_X
ClientSampleId :

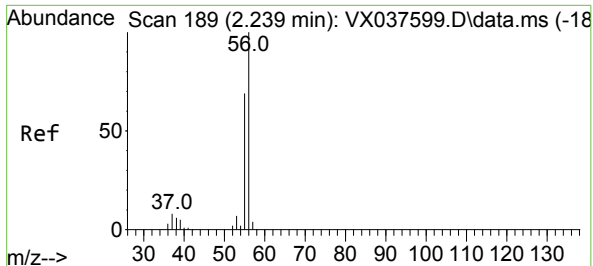
Tgt Ion:168 Resp: 260115
Ion Ratio Lower Upper
168 100
99 56.9 56.6 85.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

Tgt Ion: 59 Resp: 2207
Ion Ratio Lower Upper
59 100
57 1.1 6.0 9.0#





#13

Acrolein

Concen: 0.301 ug/l

RT: 2.227 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX037717.D

Acq: 14 Sep 2023 07:48

Instrument :

MSVOA_X

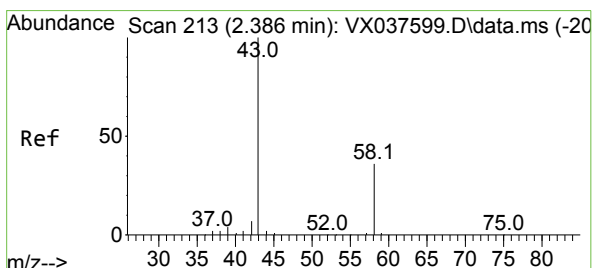
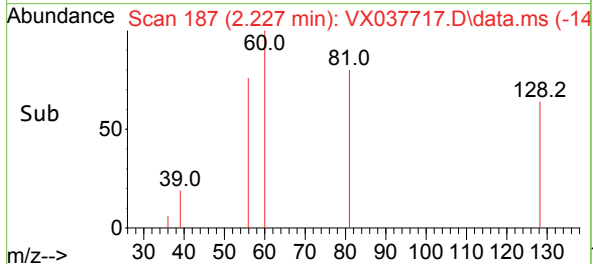
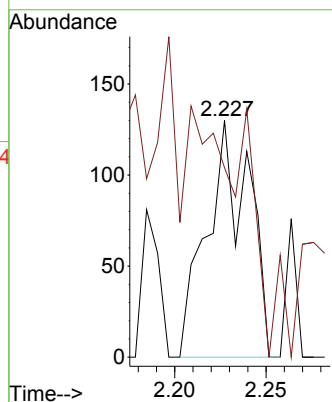
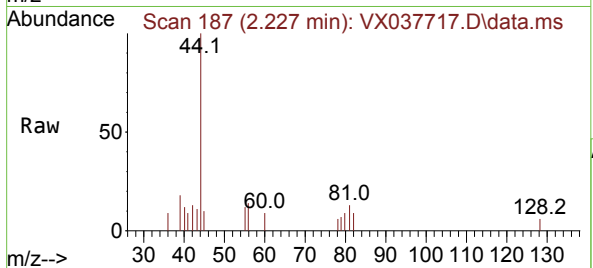
ClientSampleId :

Tgt Ion: 56 Resp: 207

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 14.635 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037717.D

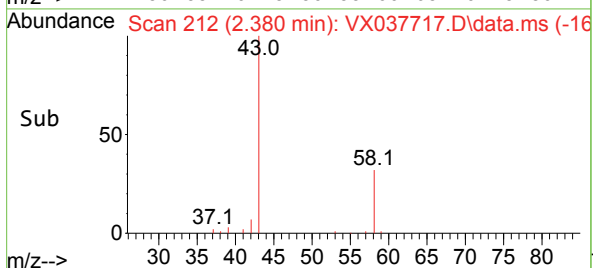
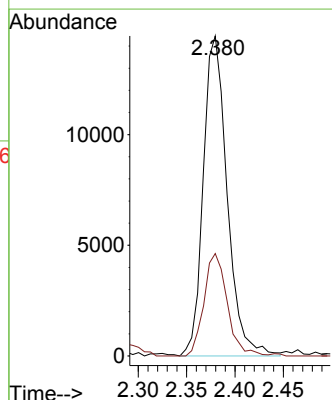
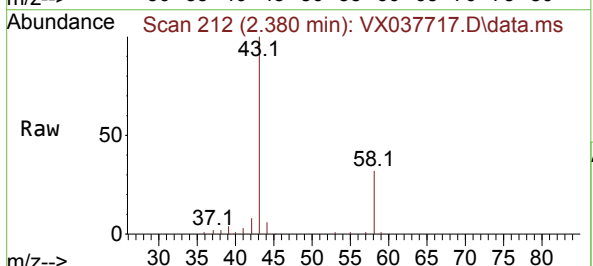
Acq: 14 Sep 2023 07:48

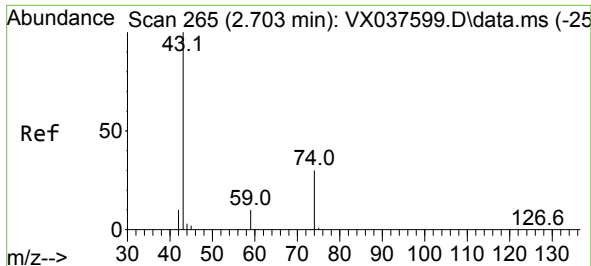
Tgt Ion: 43 Resp: 24900

Ion Ratio Lower Upper

43 100

58 32.0 21.9 32.9





#18

Methyl Acetate

Concen: 0.432 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX037717.D

Acq: 14 Sep 2023 07:48

Instrument :

MSVOA_X

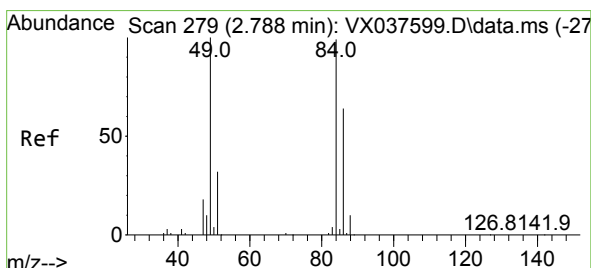
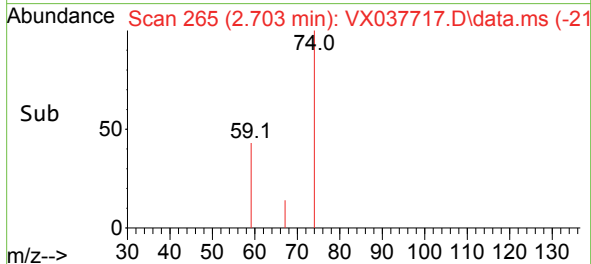
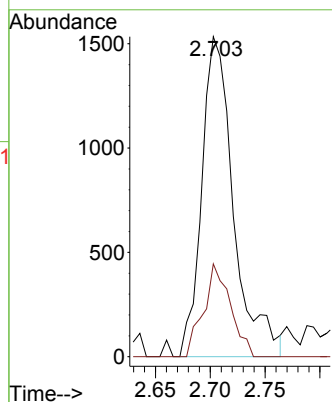
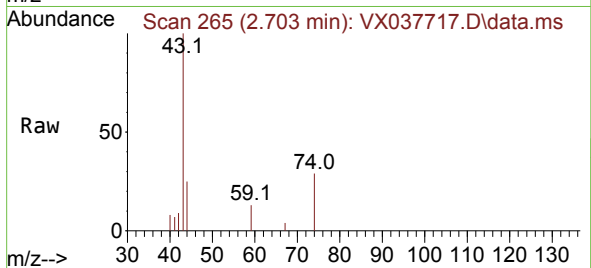
ClientSampleId :

Tgt Ion: 43 Resp: 3103

Ion Ratio Lower Upper

43 100

74 24.4 17.8 26.8



#20

Methylene Chloride

Concen: 3.401 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX037717.D

Acq: 14 Sep 2023 07:48

Tgt Ion: 84 Resp: 15093

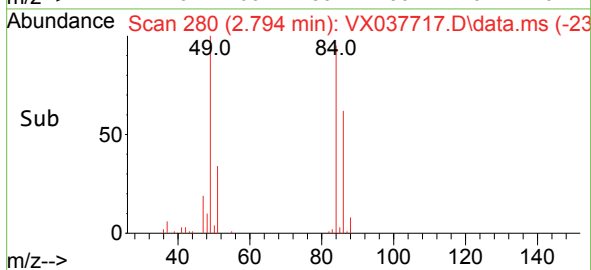
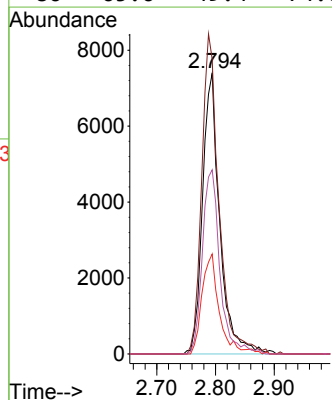
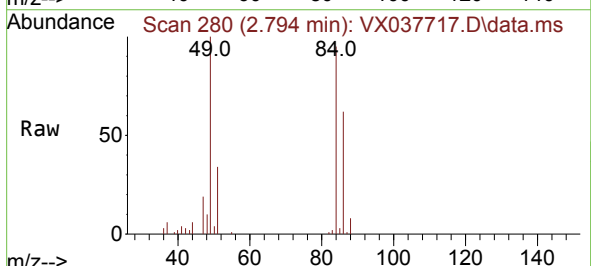
Ion Ratio Lower Upper

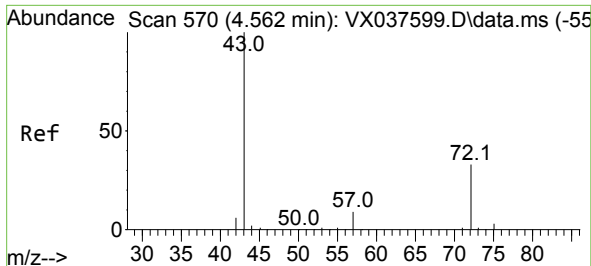
84 100

49 105.0 103.6 155.4

51 35.6 33.8 50.6

86 65.6 49.4 74.0

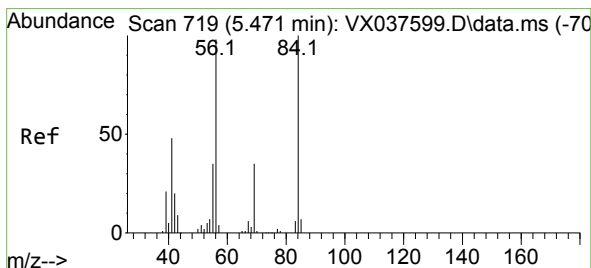
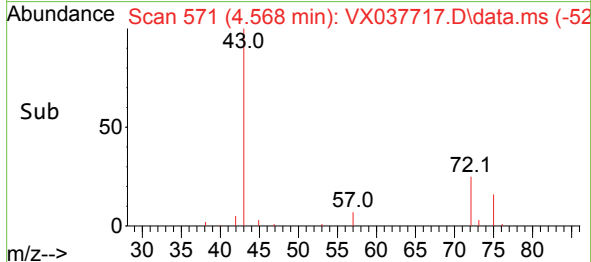
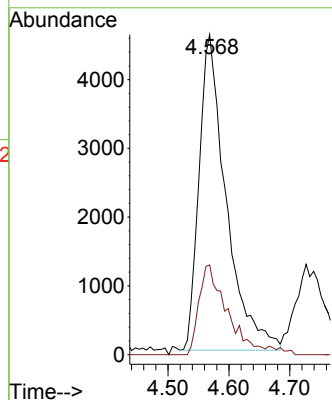
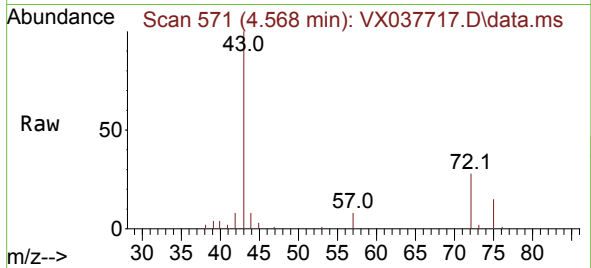




#25
2-Butanone
Concen: 5.104 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

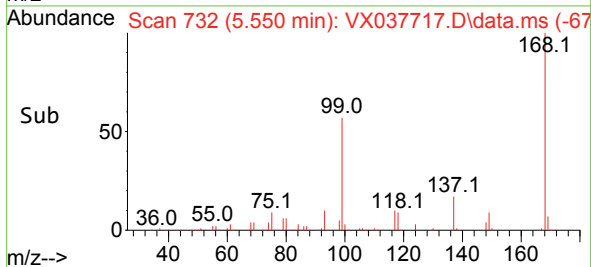
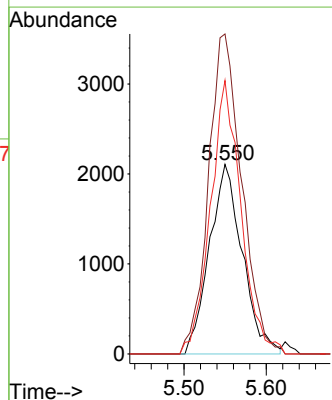
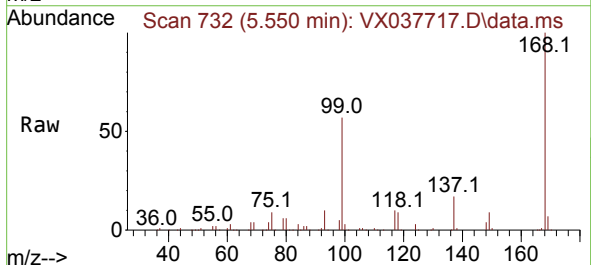
Instrument :
MSVOA_X
ClientSampleId :

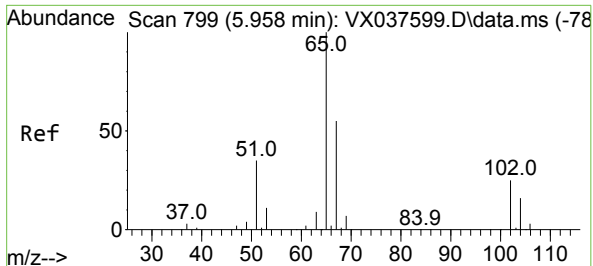
Tgt Ion: 43 Resp: 14161
Ion Ratio Lower Upper
43 100
72 28.5 19.4 29.2



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

Tgt Ion: 56 Resp: 5868
Ion Ratio Lower Upper
56 100
69 168.9 23.4 35.2#
84 144.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.177 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037717.D

Acq: 14 Sep 2023 07:48

Instrument :

MSVOA_X

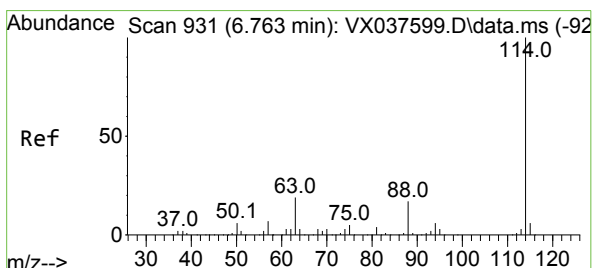
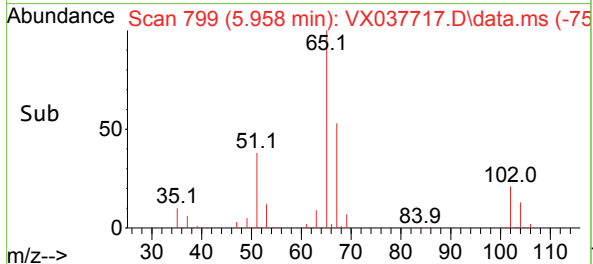
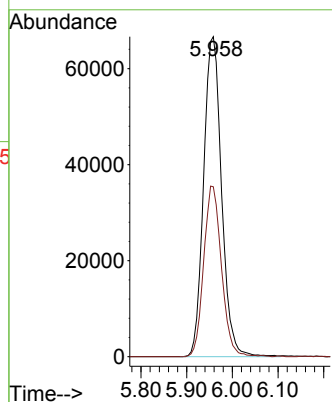
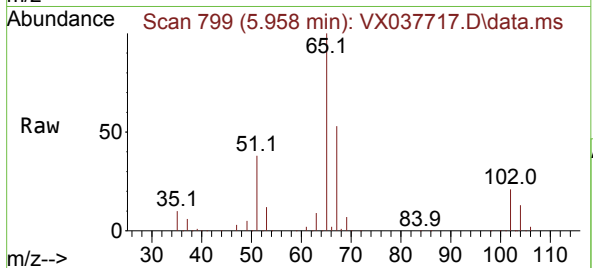
ClientSampleId :

Tgt Ion: 65 Resp: 181708

Ion Ratio Lower Upper

65 100

67 52.8 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: VX037717.D

Acq: 14 Sep 2023 07:48

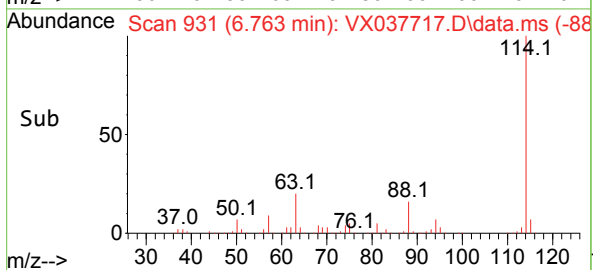
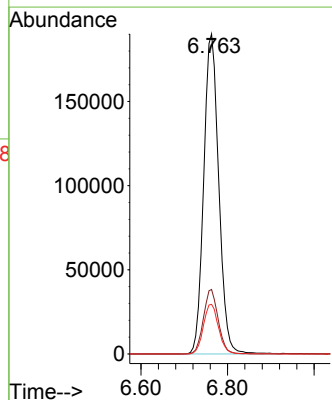
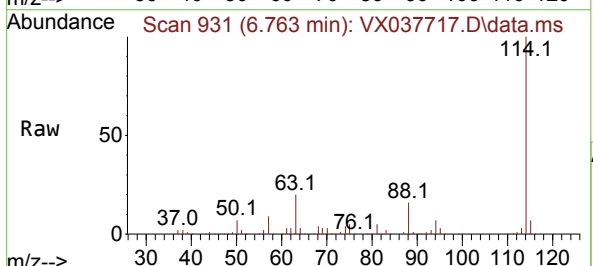
Tgt Ion:114 Resp: 458183

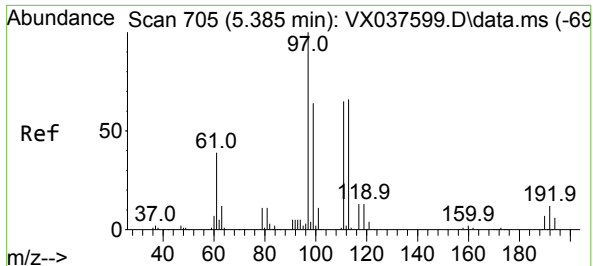
Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.0

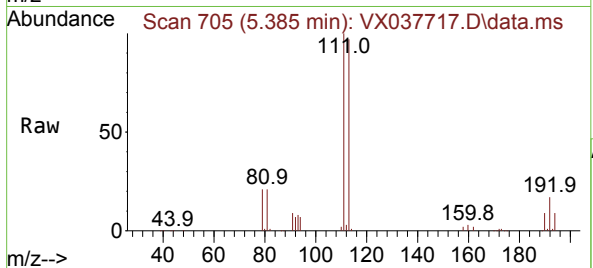
88 15.5 0.0 36.6



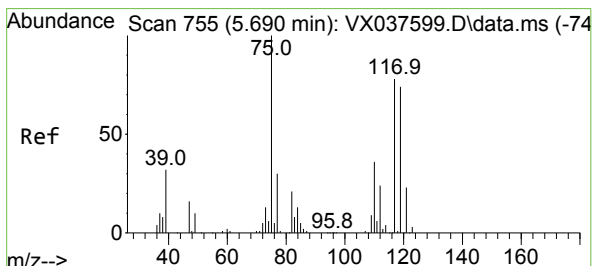
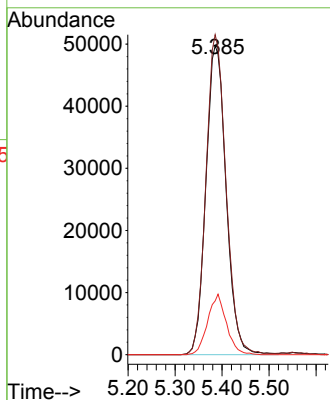
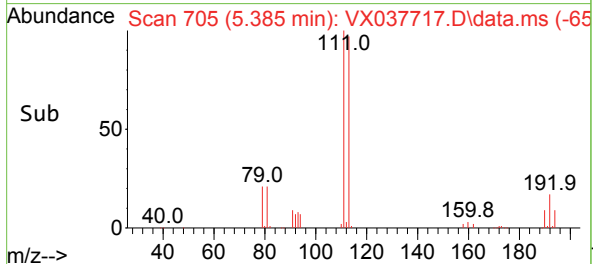


#35
Dibromofluoromethane
Concen: 45.671 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

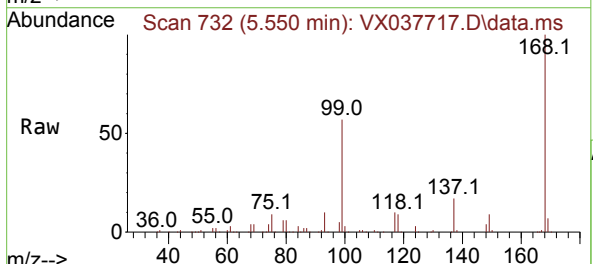
Instrument :
MSVOA_X
ClientSampleId :



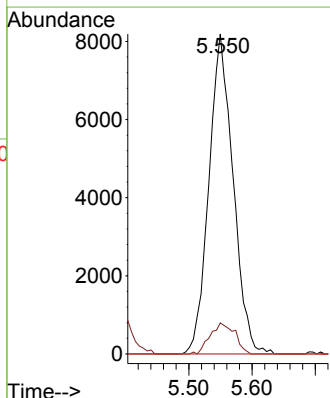
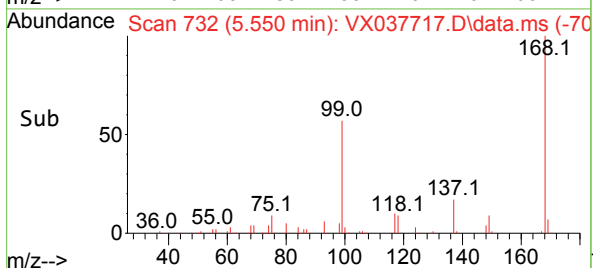
Tgt Ion:113 Resp: 148322
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.1 13.3 19.9

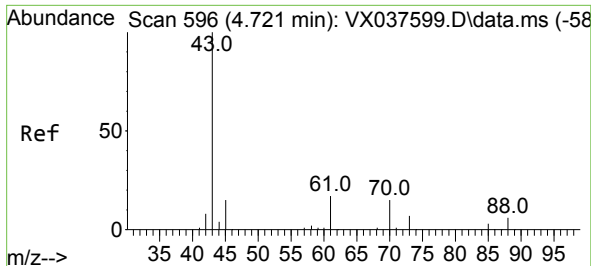


#36
1,1-Dichloropropene
Concen: 4.920 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48



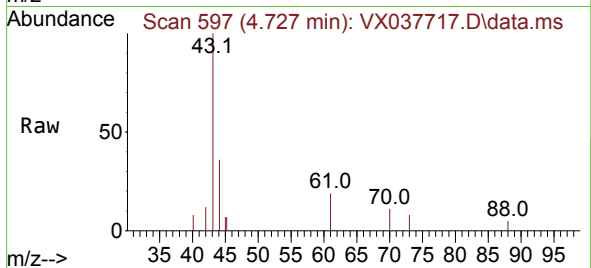
Tgt Ion: 75 Resp: 21737
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#



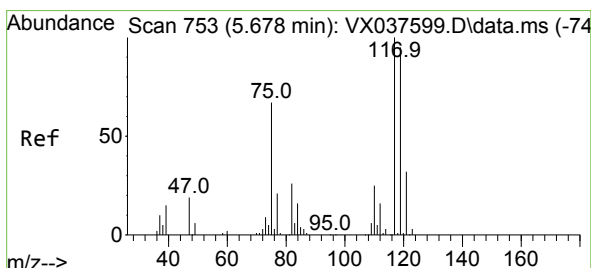
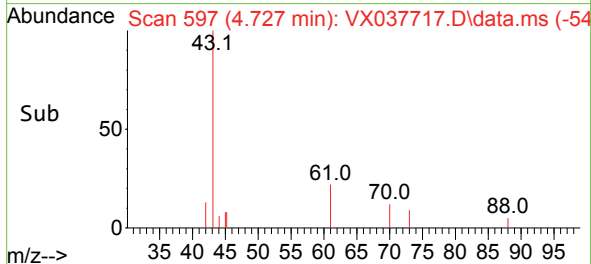
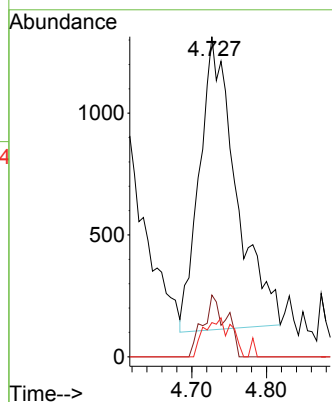


#37
Ethyl Acetate
Concen: 0.812 ug/l
RT: 4.727 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

Instrument :
MSVOA_X
ClientSampleId :

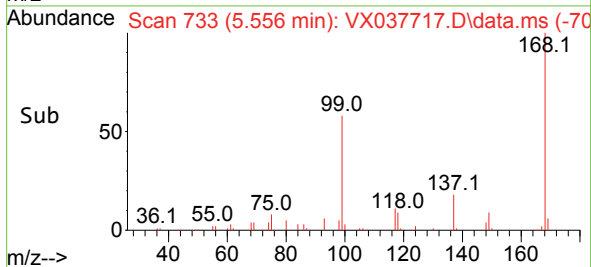
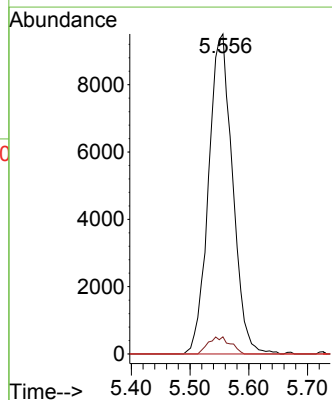
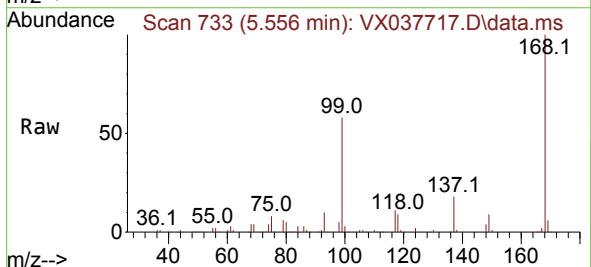


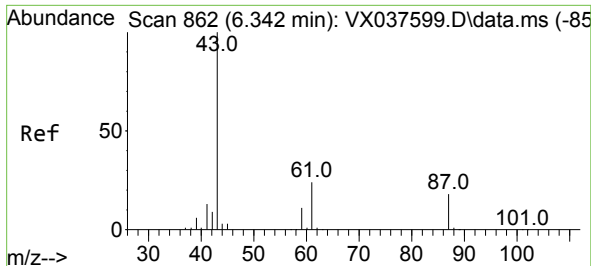
Tgt Ion: 43 Resp: 4105
Ion Ratio Lower Upper
43 100
61 13.4 10.6 16.0
70 9.9 8.3 12.5



#38
Carbon Tetrachloride
Concen: 5.974 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

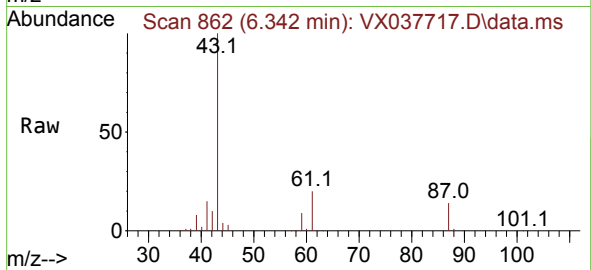
Tgt Ion: 117 Resp: 26965
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.4 36.6#



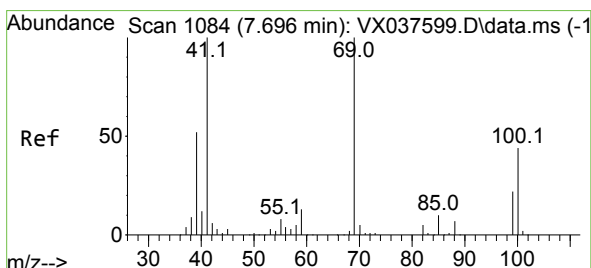
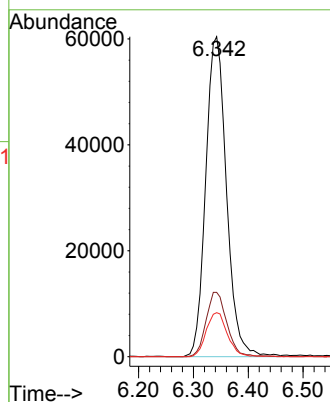
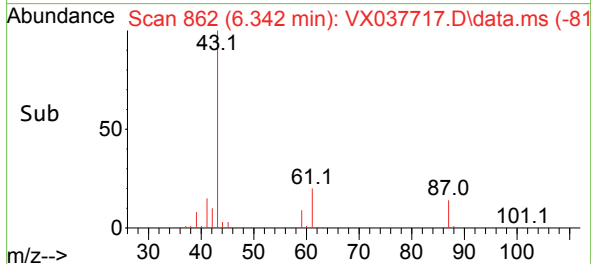


#43
Isopropyl Acetate
Concen: 19.684 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

Instrument :
MSVOA_X
ClientSampleId :

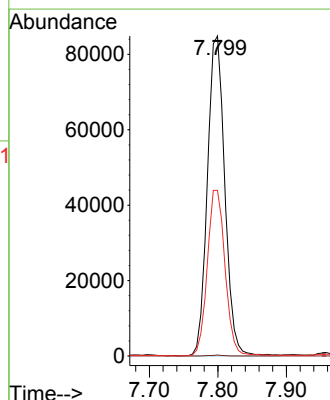
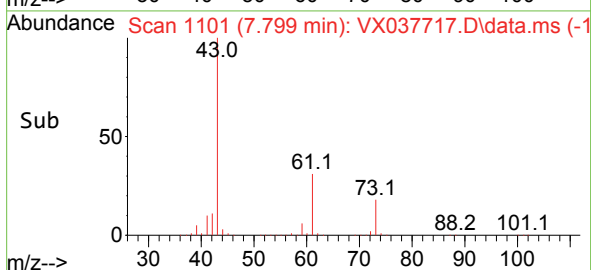
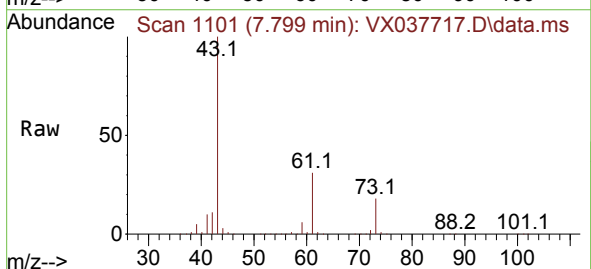


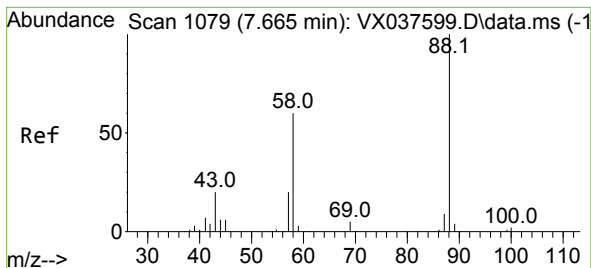
Tgt Ion: 43 Resp: 158745
Ion Ratio Lower Upper
43 100
61 20.0 15.2 22.8
87 14.0 9.8 14.6



#48
Methyl methacrylate
Concen: 38.482 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

Tgt Ion: 41 Resp: 150024
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.1 47.7 71.5





#49

1,4-Dioxane

Concen: 2.009 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.128 min

Lab File: VX037717.D

Acq: 14 Sep 2023 07:48

Instrument :

MSVOA_X

ClientSampleId :

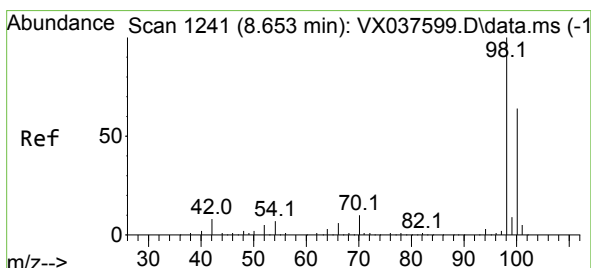
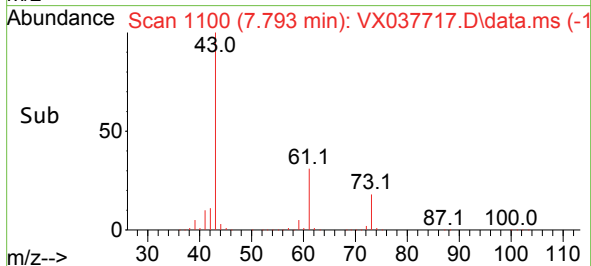
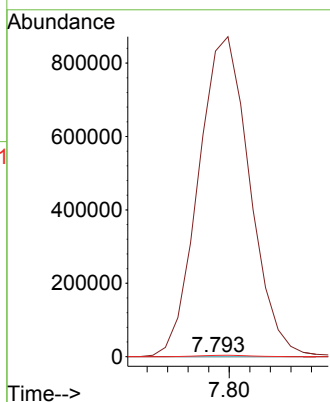
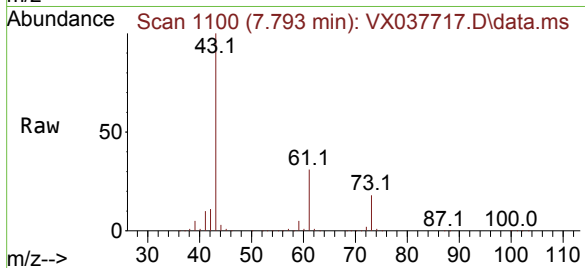
Tgt Ion: 88 Resp: 194

Ion Ratio Lower Upper

88 100

43 787300.5 0.0 0.0#

58 3464.4 60.1 90.1#



#50

Toluene-d8

Concen: 45.954 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX037717.D

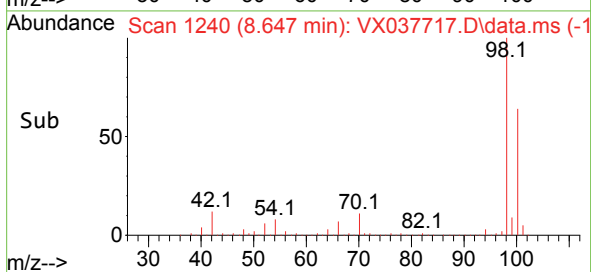
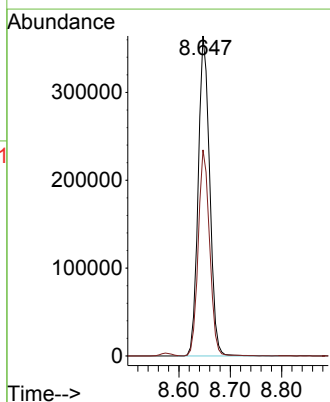
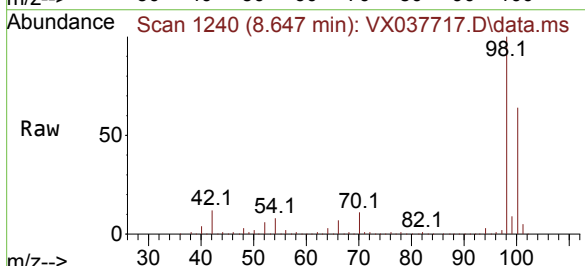
Acq: 14 Sep 2023 07:48

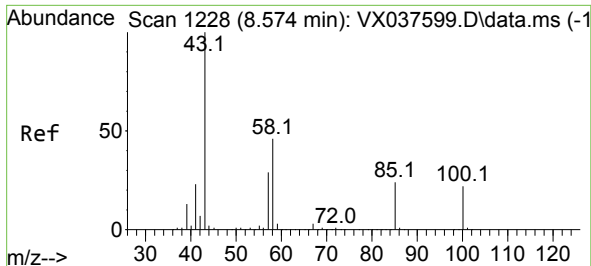
Tgt Ion: 98 Resp: 562856

Ion Ratio Lower Upper

98 100

100 63.9 53.1 79.7

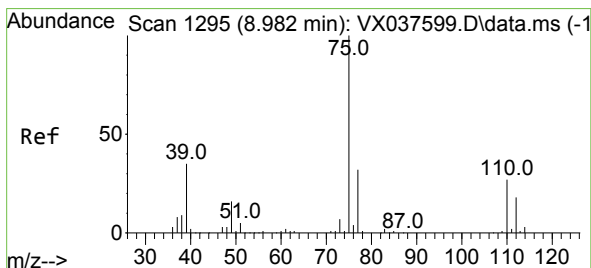
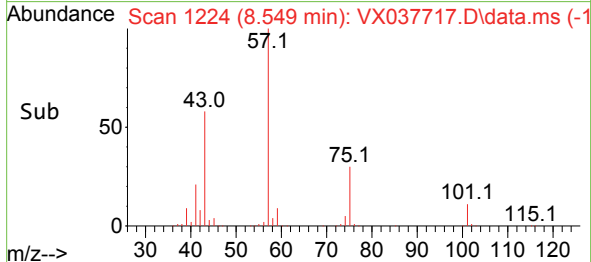
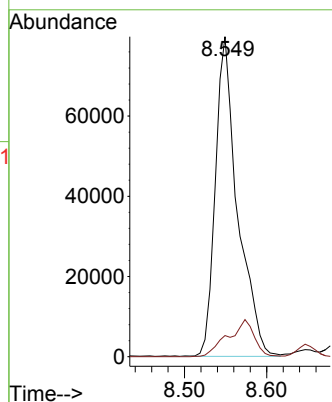
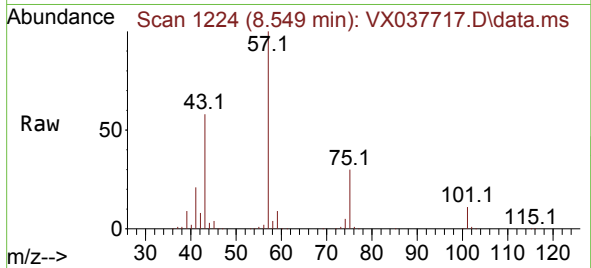




#51
4-Methyl-2-Pentanone
Concen: 28.239 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

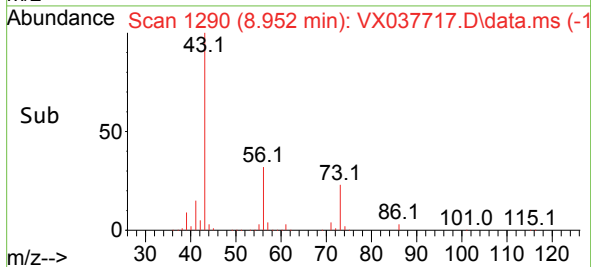
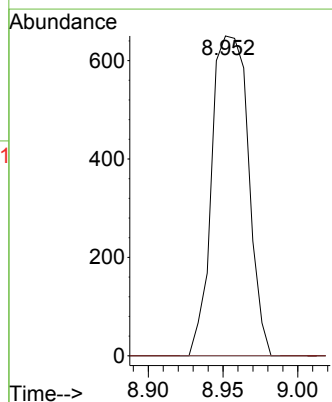
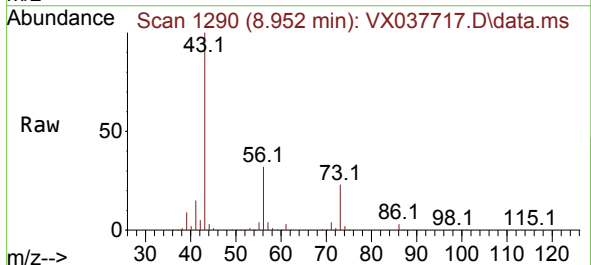
Instrument :
MSVOA_X
ClientSampleId :

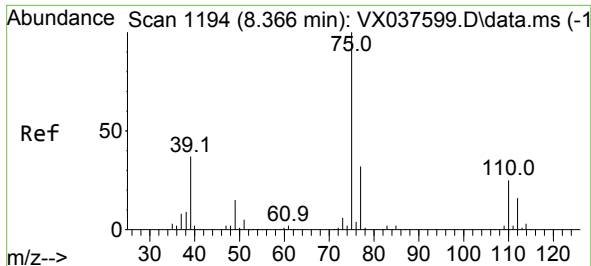
Tgt Ion: 43 Resp: 149546
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.234 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

Tgt Ion: 75 Resp: 1103
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

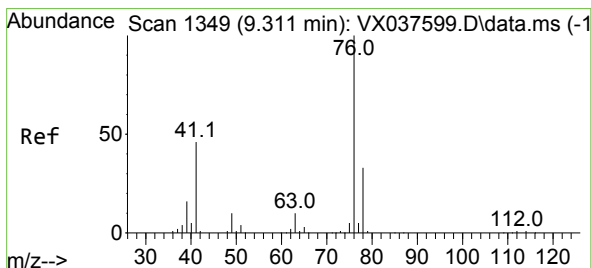
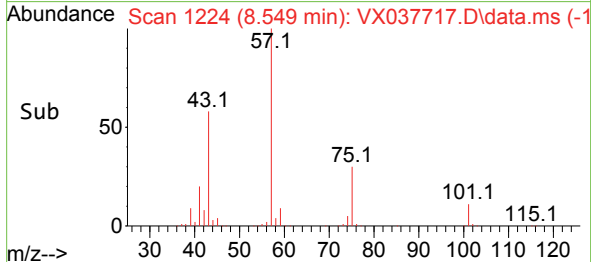
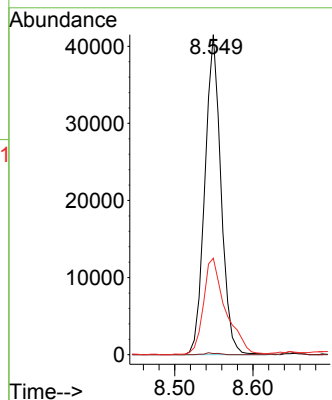
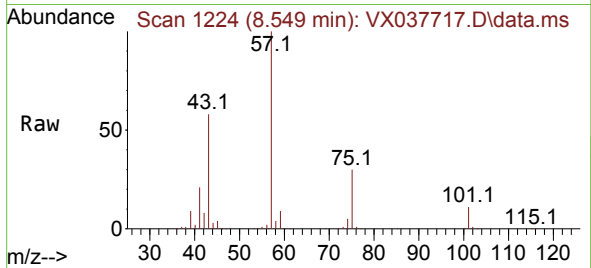




#54
 cis-1,3-Dichloropropene
 Concen: 11.453 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX037717.D
 Acq: 14 Sep 2023 07:48

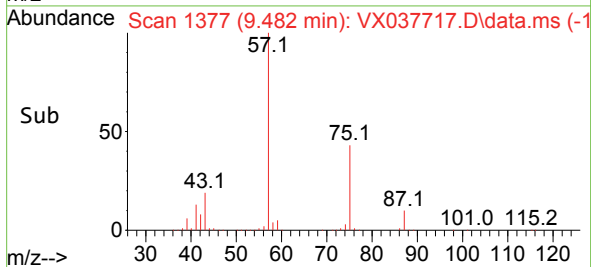
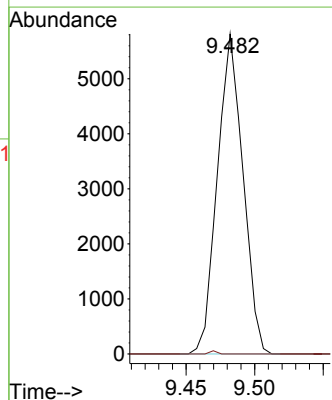
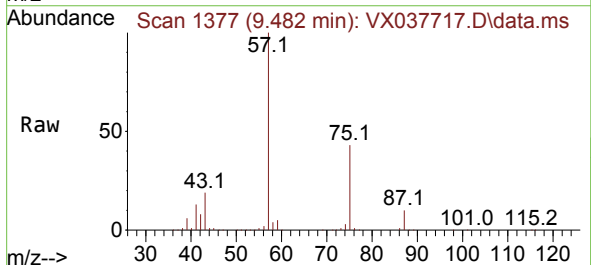
Instrument :
 MSVOA_X
 ClientSampleId :

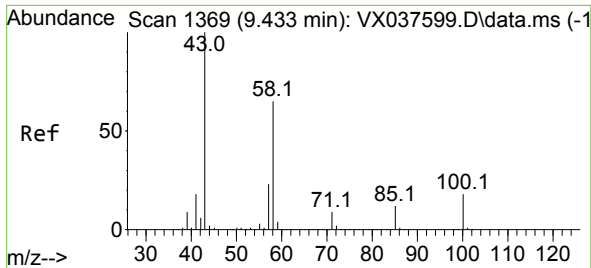
Tgt Ion: 75 Resp: 59147
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 30.0 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.244 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX037717.D
 Acq: 14 Sep 2023 07:48

Tgt Ion: 76 Resp: 7565
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.1 39.1#

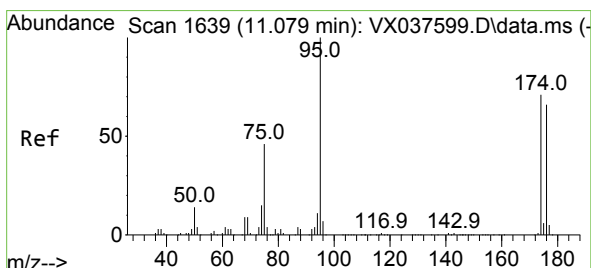
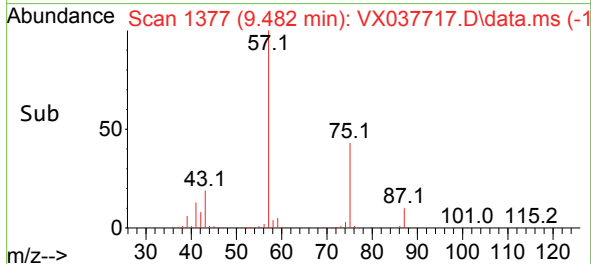
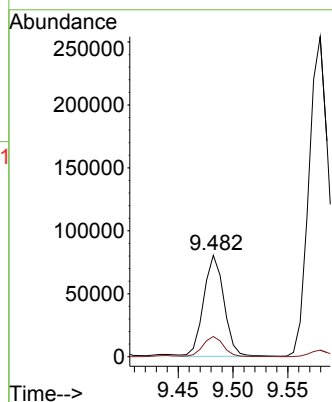
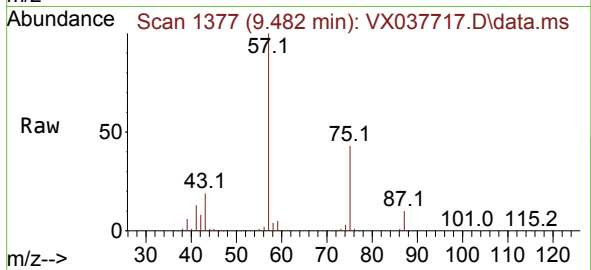




#59
2-Hexanone
Concen: 25.311 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

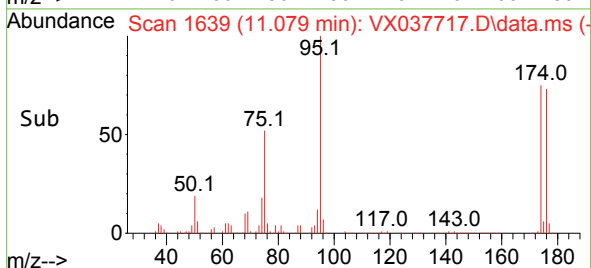
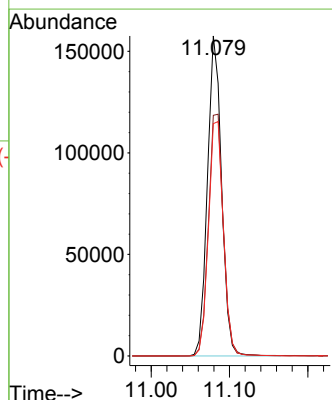
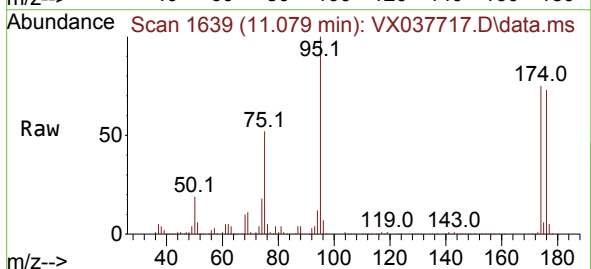
Instrument :
MSVOA_X
ClientSampleId :

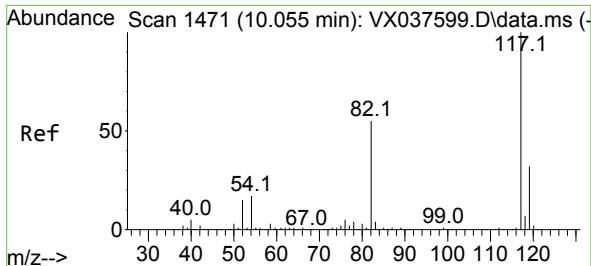
Tgt Ion: 43 Resp: 103464
Ion Ratio Lower Upper
43 100
58 20.4 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 44.530 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

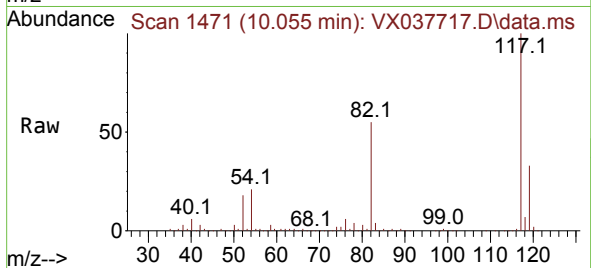
Tgt Ion: 95 Resp: 196770
Ion Ratio Lower Upper
95 100
174 80.1 0.0 135.6
176 77.6 0.0 131.0



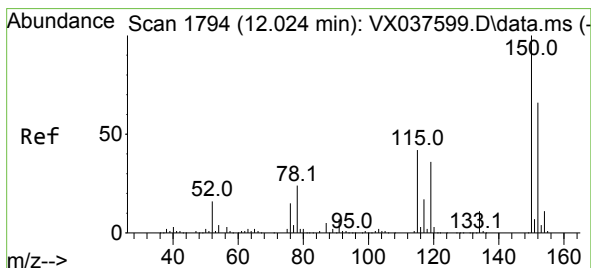
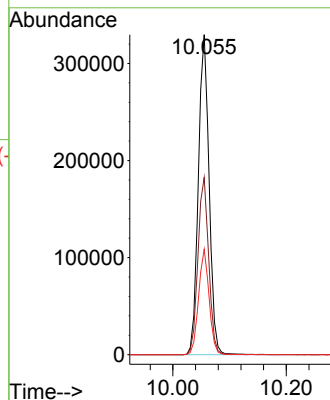
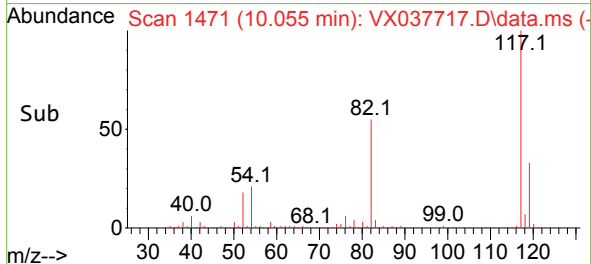


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

Instrument :
MSVOA_X
ClientSampleId :

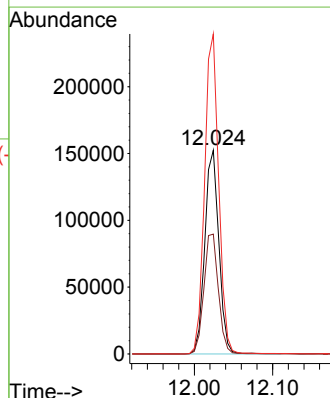
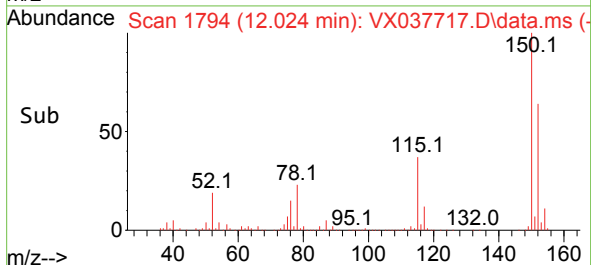
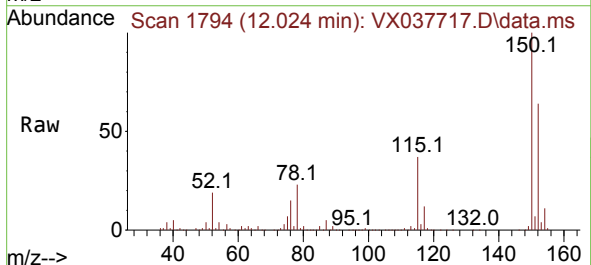


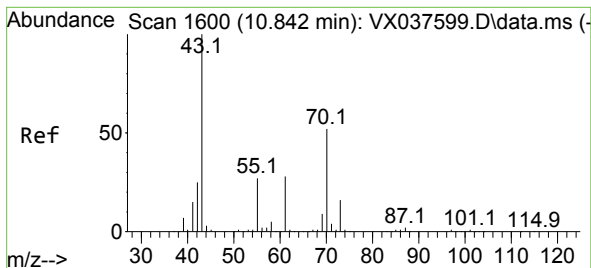
Tgt Ion:117 Resp: 433485
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 32.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037717.D
Acq: 14 Sep 2023 07:48

Tgt Ion:152 Resp: 189823
Ion Ratio Lower Upper
152 100
115 60.8 43.3 129.9
150 157.2 0.0 345.0





#74

N-amy1 acetate

Concen: 5.078 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

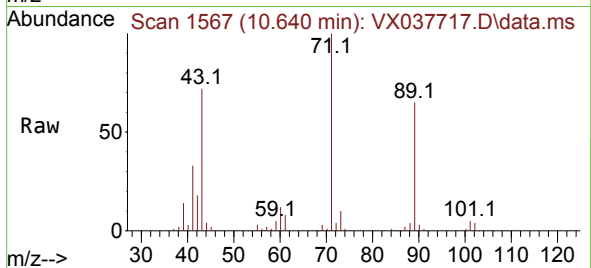
Lab File: VX037717.D

Acq: 14 Sep 2023 07:48

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 31471

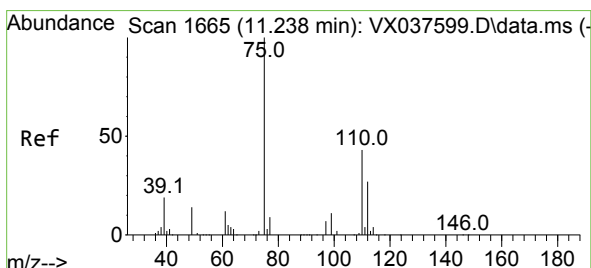
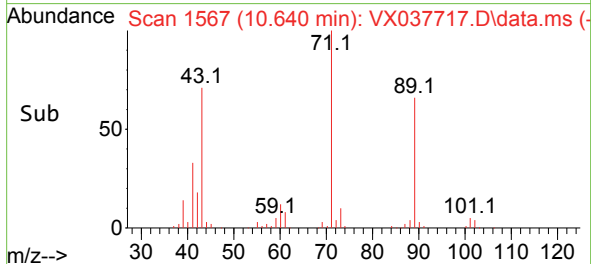
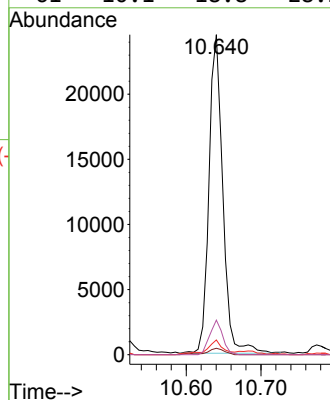
Ion Ratio Lower Upper

43 100

70 2.2 32.9 49.3#

55 5.4 19.3 28.9#

61 10.1 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.384 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037717.D

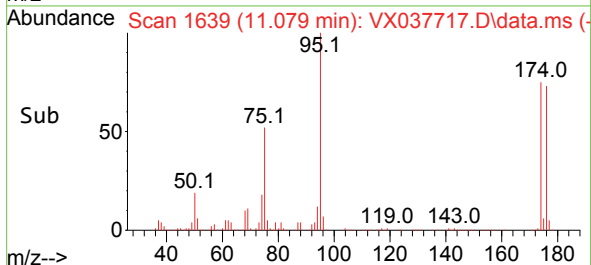
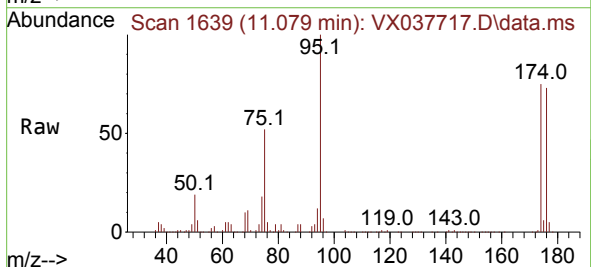
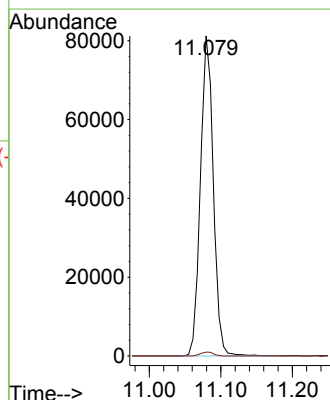
Acq: 14 Sep 2023 07:48

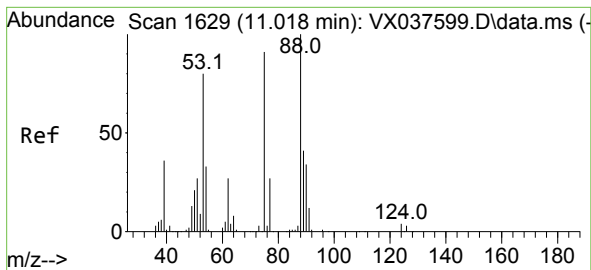
Tgt Ion: 75 Resp: 101759

Ion Ratio Lower Upper

75 100

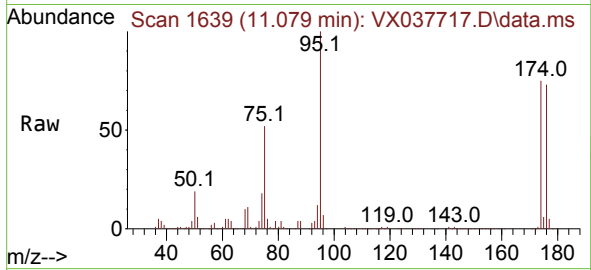
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.120 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037717.D
 Acq: 14 Sep 2023 07:48

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 101759
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

