

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081023\
 Data File : VX036921.D
 Acq On : 10 Aug 2023 18:30
 Operator : JC/MD
 Sample : 03954-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 11 01:50:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

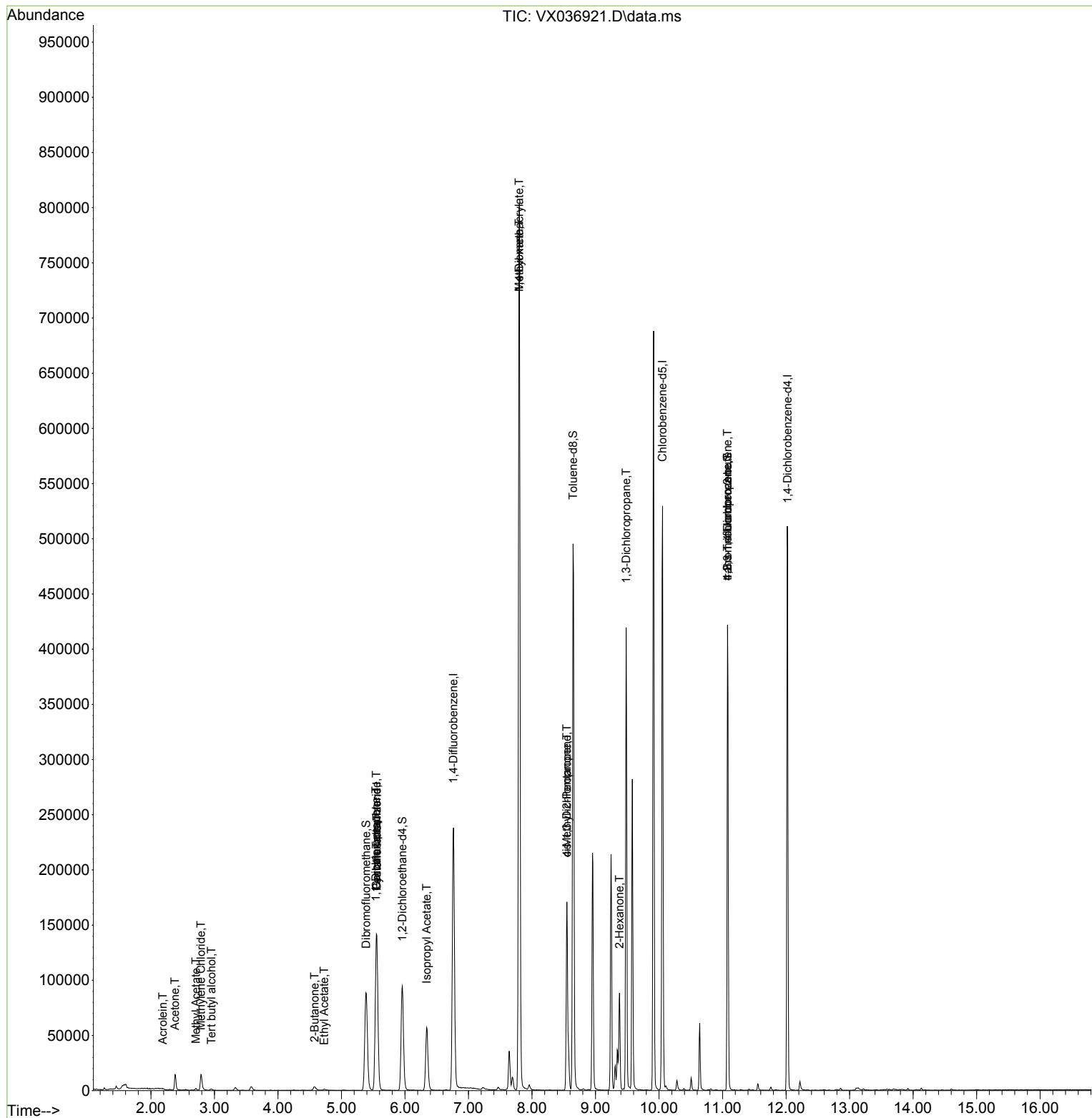
Internal Standards						
1) Pentafluorobenzene	5.556	168	133225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	248433	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94088	47.730	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.460%
35) Dibromofluoromethane	5.385	113	78957	46.239	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.480%
50) Toluene-d8	8.647	98	296011	48.883	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.760%
62) 4-Bromofluorobenzene	11.079	95	112901	49.417	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.840%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	955	2.046	ug/l #	78
13) Acrolein	2.184	56	71	0.267	ug/l #	1
16) Acetone	2.380	43	15495	18.943	ug/l	93
18) Methyl Acetate	2.709	43	1993	0.579	ug/l	97
20) Methylene Chloride	2.788	84	7910	4.348	ug/l #	86
25) 2-Butanone	4.574	43	5275	3.975	ug/l #	90
31) Cyclohexane	5.556	56	2982	1.093	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10984	4.316	ug/l #	51
37) Ethyl Acetate	4.727	43	1974	0.685	ug/l #	93
38) Carbon Tetrachloride	5.550	117	14191	5.245	ug/l #	14
43) Isopropyl Acetate	6.342	43	78639	15.859	ug/l #	94
48) Methyl methacrylate	7.799	41	69922	30.320	ug/l #	48
49) 1,4-Dioxane	7.799	88	118	2.533	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	69943	25.488	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	28586	8.439	ug/l #	53
57) 1,3-Dichloropropane	9.482	76	3845	1.184	ug/l #	42
59) 2-Hexanone	9.378	43	65351	32.088	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	58903	23.695	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	58903	53.705	ug/l #	5

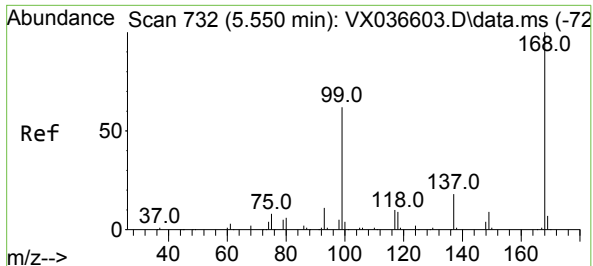
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

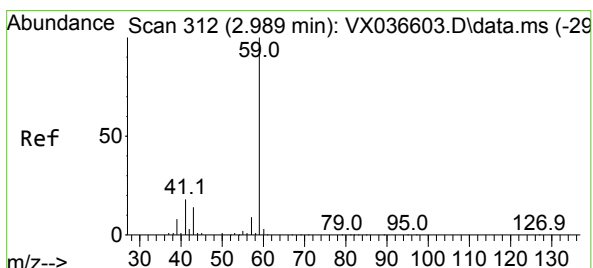
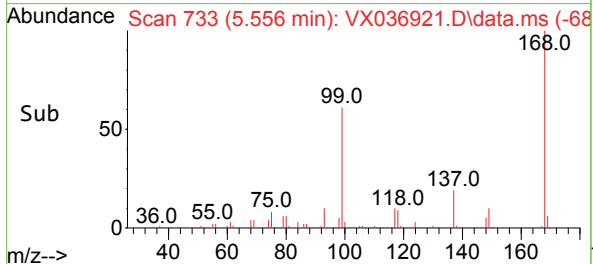
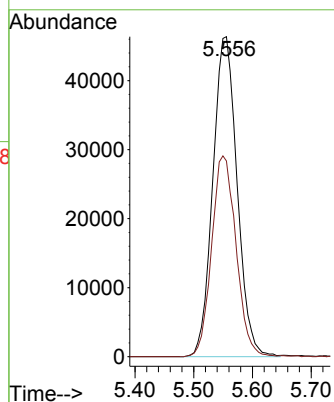
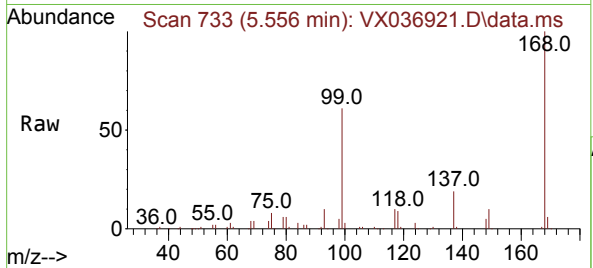




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

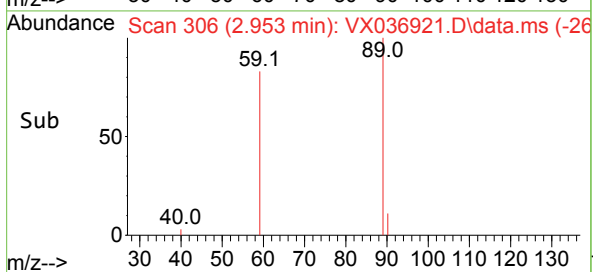
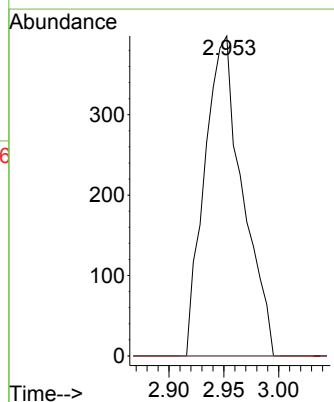
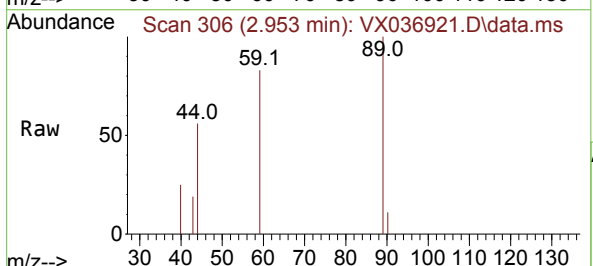
Instrument :
MSVOA_X
ClientSampleId :

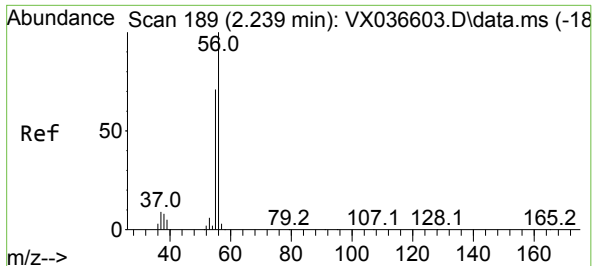
Tgt Ion:168 Resp: 133225
Ion Ratio Lower Upper
168 100
99 61.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.046 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.037 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

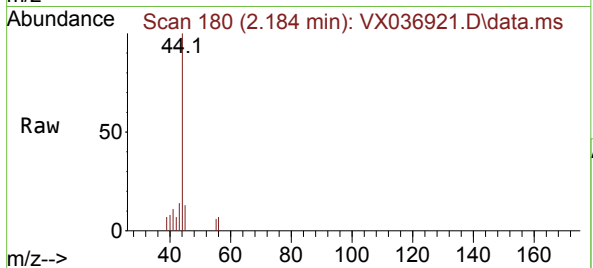
Tgt Ion: 59 Resp: 955
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



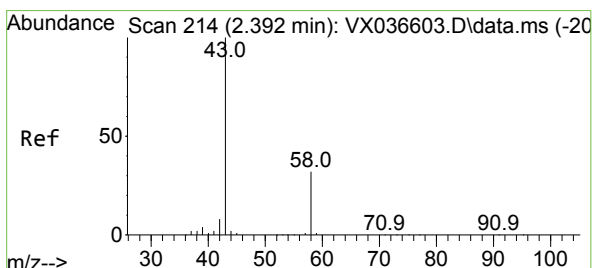
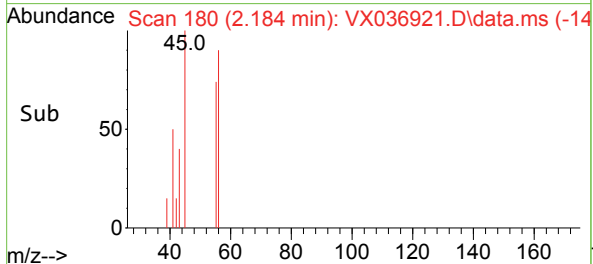
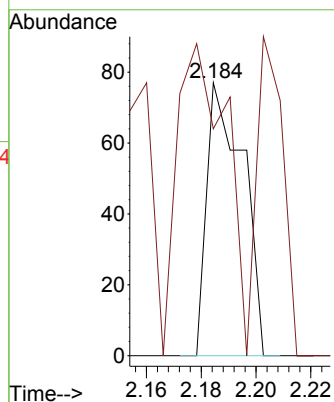


#13
Acrolein
Concen: 0.267 ug/l
RT: 2.184 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

Instrument :
MSVOA_X
ClientSampleId :

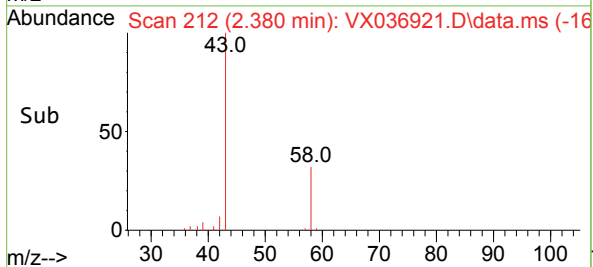
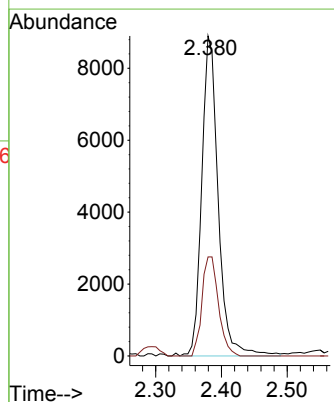
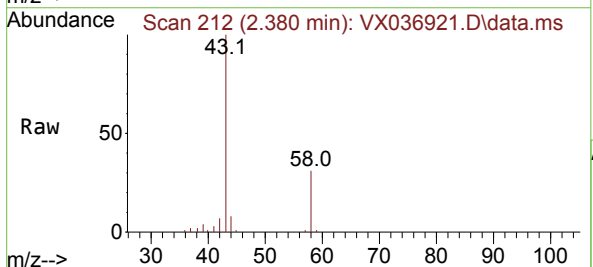


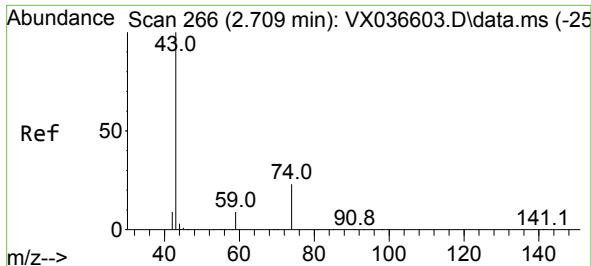
Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 153.5 57.1 85.7#



#16
Acetone
Concen: 18.943 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

Tgt Ion: 43 Resp: 15495
Ion Ratio Lower Upper
43 100
58 30.9 21.9 32.9

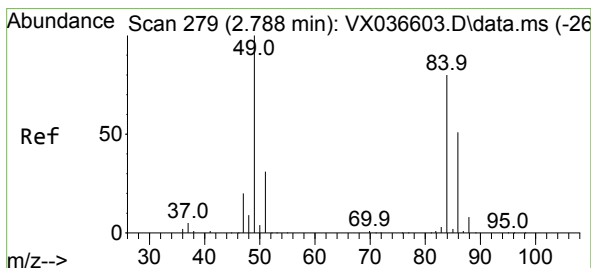
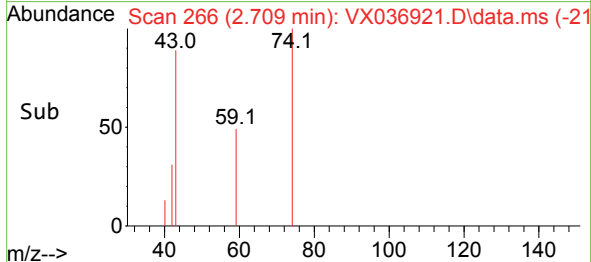
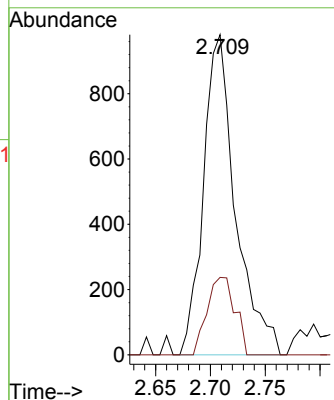
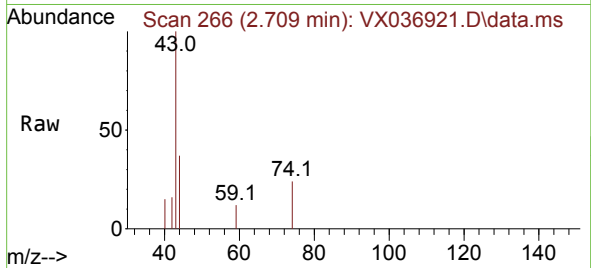




#18
Methyl Acetate
Concen: 0.579 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

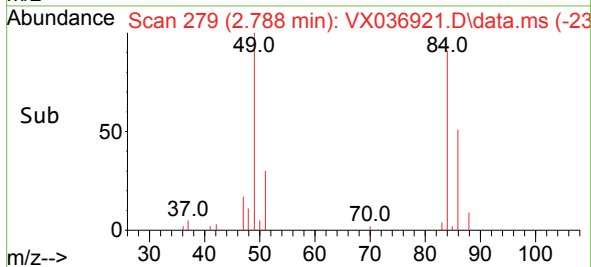
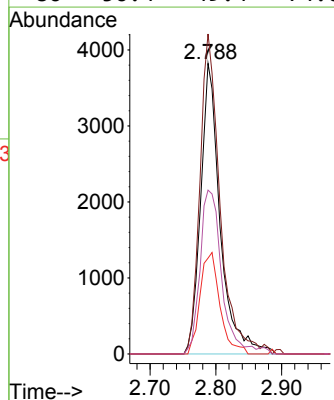
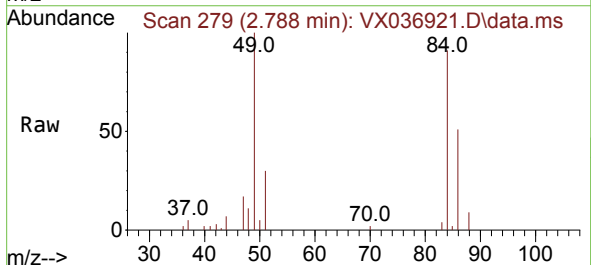
Instrument :
MSVOA_X
ClientSampleId :

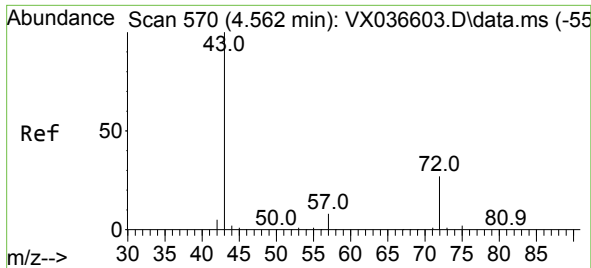
Tgt Ion: 43 Resp: 1993
Ion Ratio Lower Upper
43 100
74 21.0 17.8 26.8



#20
Methylene Chloride
Concen: 4.348 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

Tgt Ion: 84 Resp: 7910
Ion Ratio Lower Upper
84 100
49 110.1 103.6 155.4
51 33.0 33.8 50.6#
86 56.4 49.4 74.0

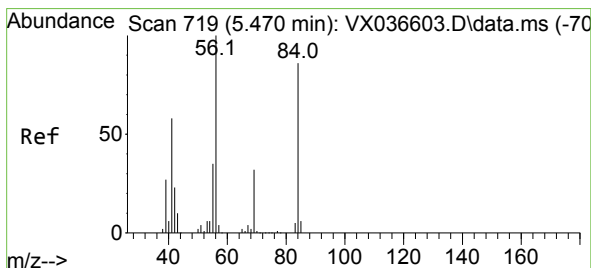
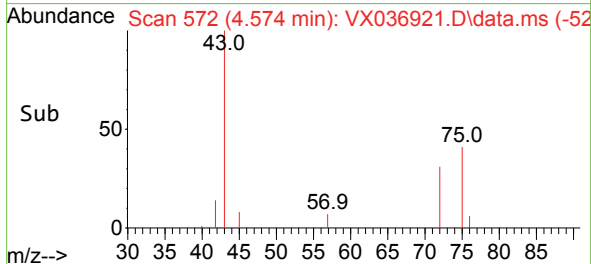
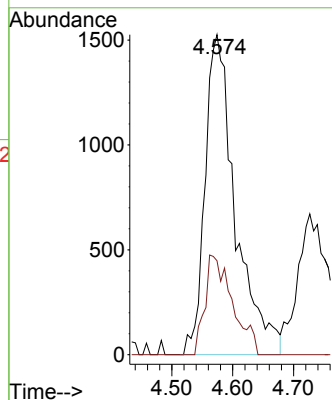
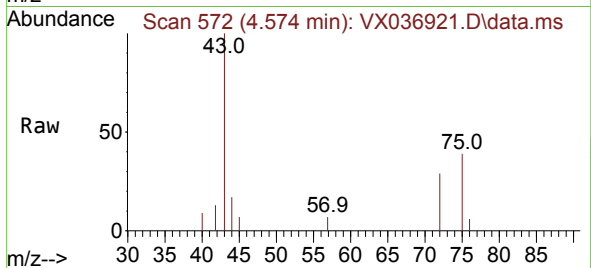




#25
2-Butanone
Concen: 3.975 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

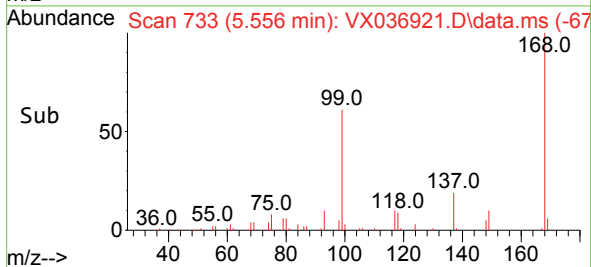
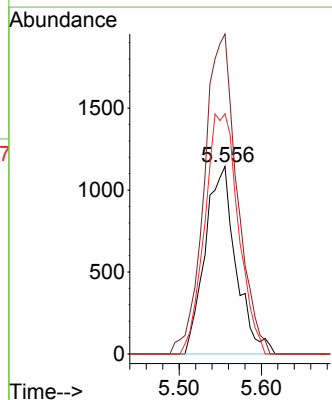
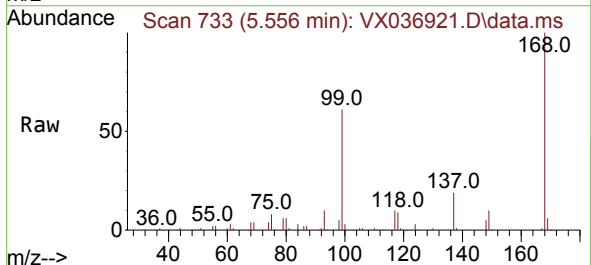
Instrument :
MSVOA_X
ClientSampleId :

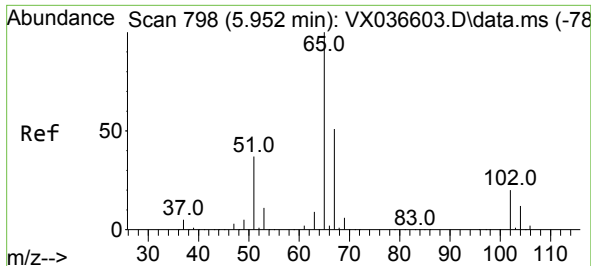
Tgt Ion: 43 Resp: 5275
Ion Ratio Lower Upper
43 100
72 29.4 19.4 29.2#



#31
Cyclohexane
Concen: 1.093 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

Tgt Ion: 56 Resp: 2982
Ion Ratio Lower Upper
56 100
69 170.7 23.4 35.2#
84 128.2 65.9 98.9#

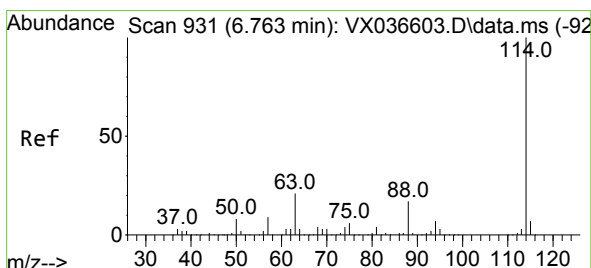
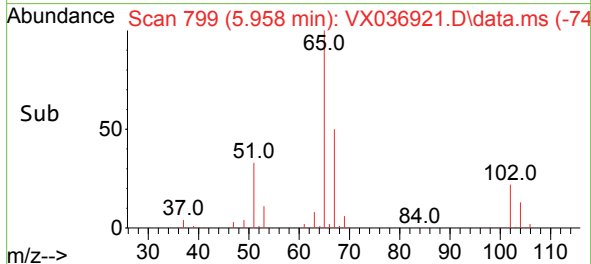
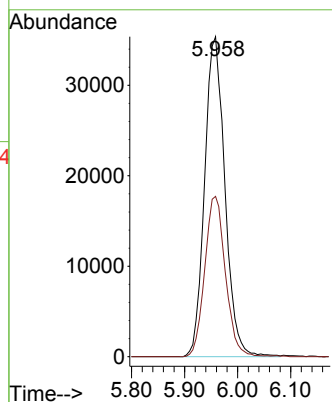
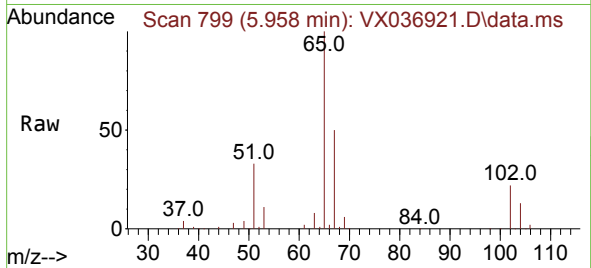




#33
1,2-Dichloroethane-d4
Concen: 47.730 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

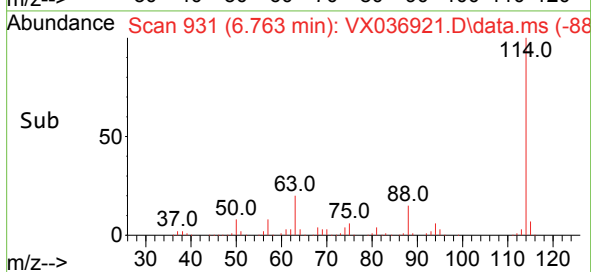
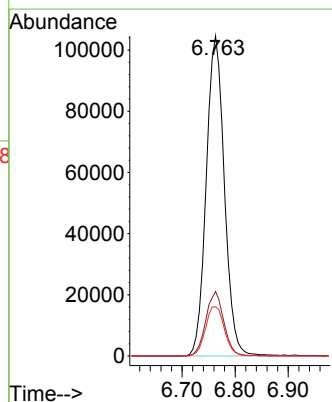
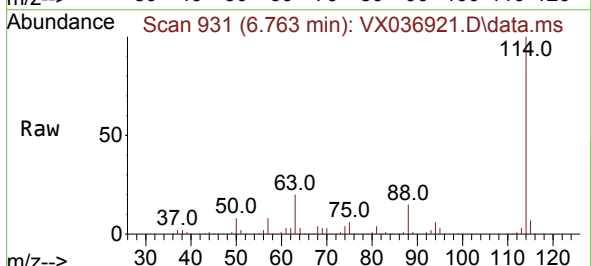
Instrument :
MSVOA_X
ClientSampleId :

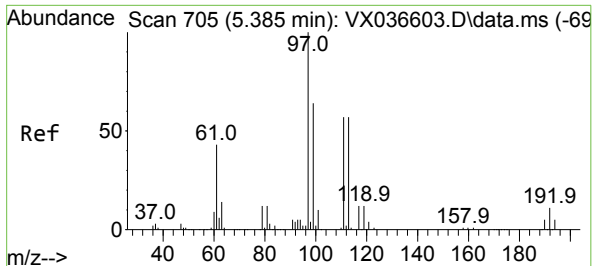
Tgt Ion: 65 Resp: 94088
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

Tgt Ion: 114 Resp: 248433
Ion Ratio Lower Upper
114 100
63 20.2 0.0 45.0
88 15.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.239 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX036921.D

Acq: 10 Aug 2023 18:30

Instrument :

MSVOA_X

ClientSampleId :

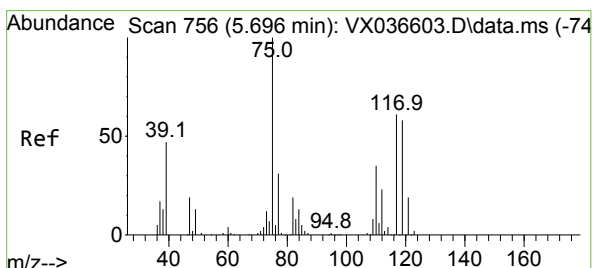
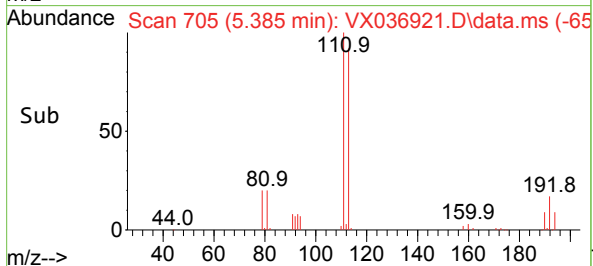
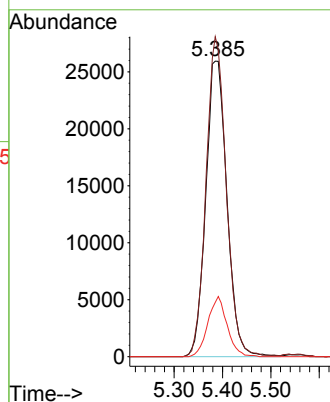
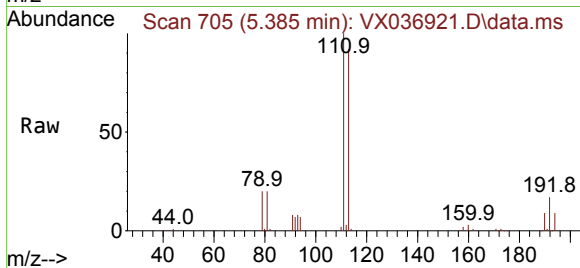
Tgt Ion:113 Resp: 78957

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

192 18.5 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.316 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.152 min

Lab File: VX036921.D

Acq: 10 Aug 2023 18:30

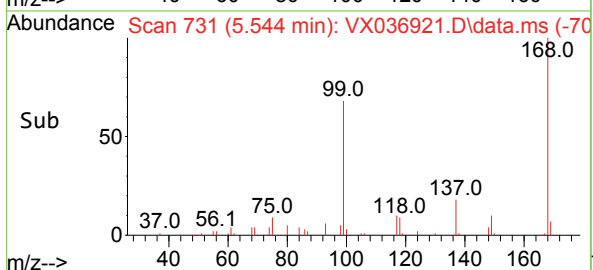
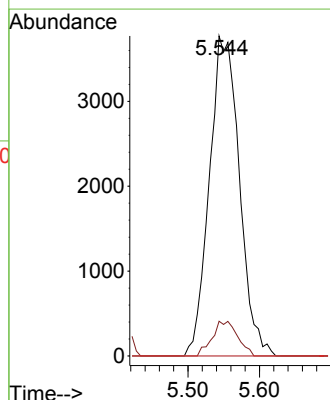
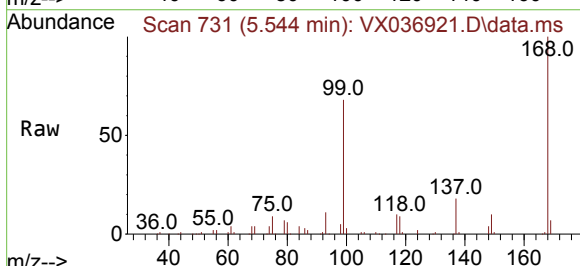
Tgt Ion: 75 Resp: 10984

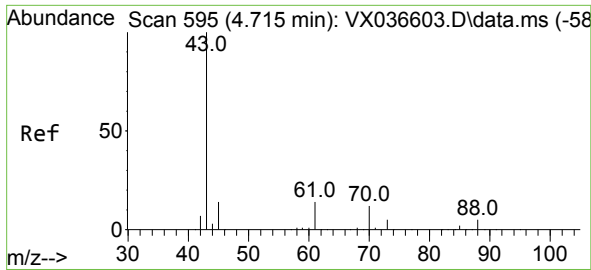
Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.685 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

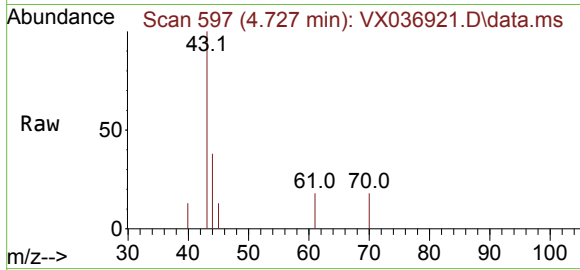
Lab File: VX036921.D

Acq: 10 Aug 2023 18:30

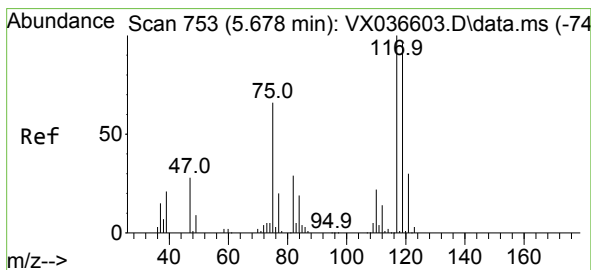
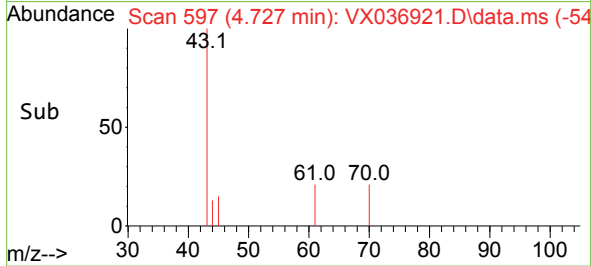
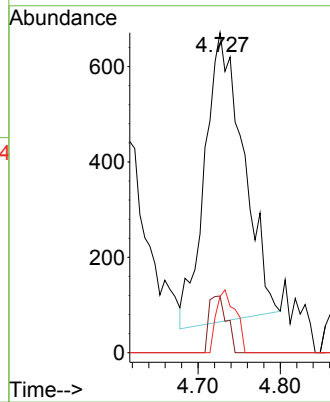
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	1974
Ion	Ratio	Lower	Upper
43	100		
61	8.9	10.6	16.0#
70	10.9	8.3	12.5



#38

Carbon Tetrachloride

Concen: 5.245 ug/l

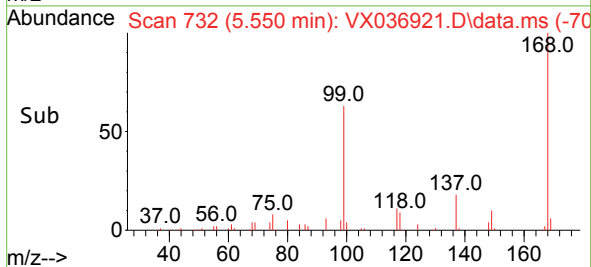
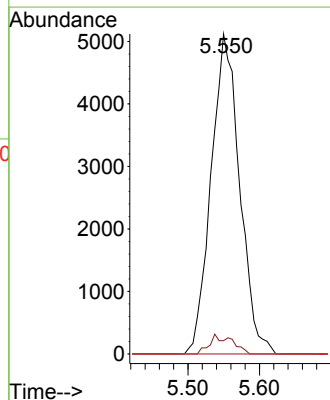
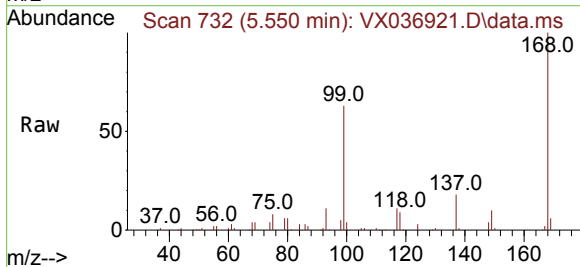
RT: 5.550 min Scan# 732

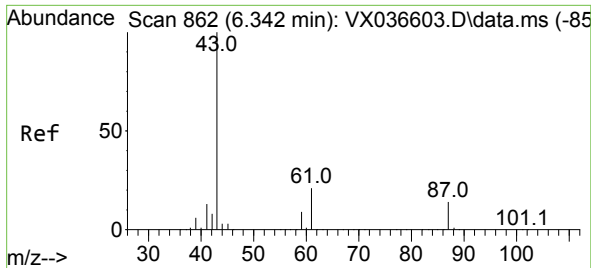
Delta R.T. -0.128 min

Lab File: VX036921.D

Acq: 10 Aug 2023 18:30

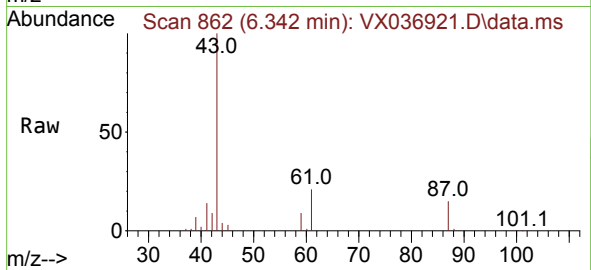
Tgt Ion:	117	Resp:	14191
Ion	Ratio	Lower	Upper
117	100		
119	4.2	78.2	117.2#
121	0.0	24.4	36.6#



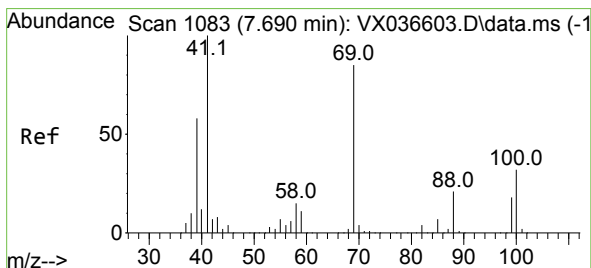
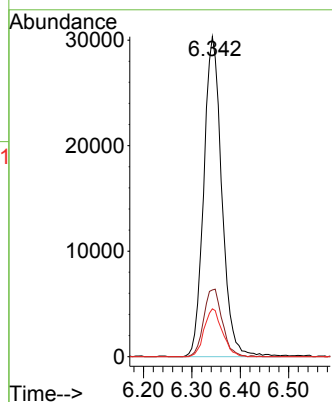
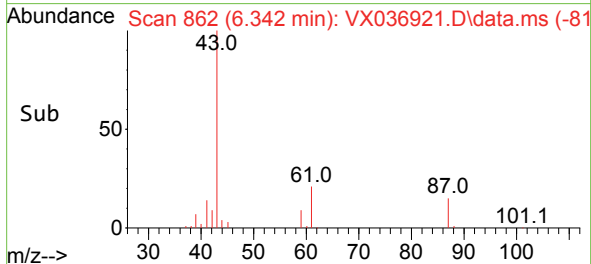


#43
Isopropyl Acetate
Concen: 15.859 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

Instrument :
MSVOA_X
ClientSampleId :

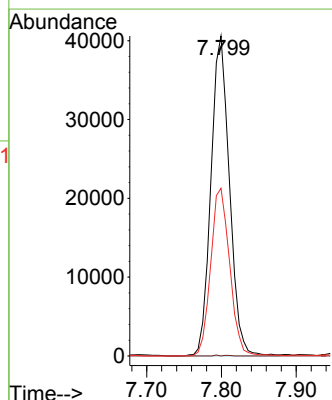
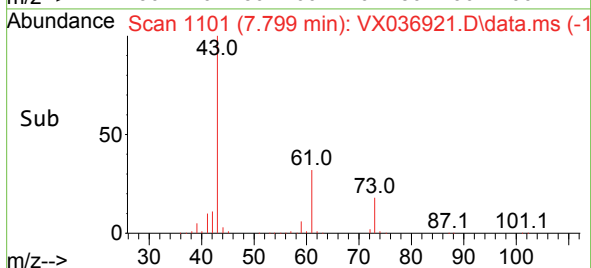
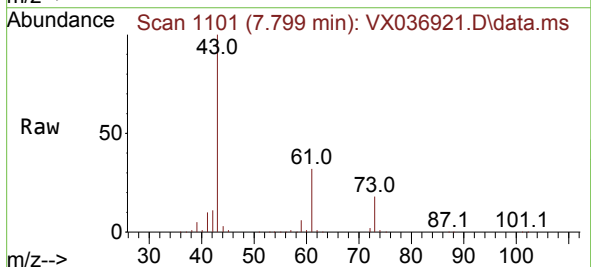


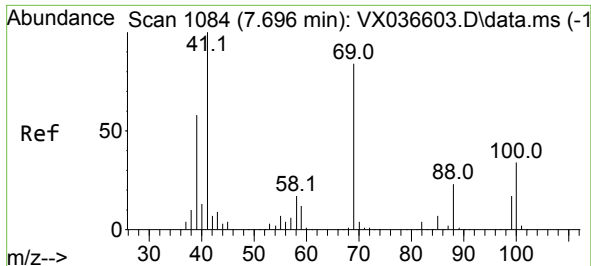
Tgt Ion: 43 Resp: 78639
Ion Ratio Lower Upper
43 100
61 21.7 15.2 22.8
87 15.0 9.8 14.6#



#48
Methyl methacrylate
Concen: 30.320 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

Tgt Ion: 41 Resp: 69922
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 53.8 47.7 71.5





#49

1,4-Dioxane

Concen: 2.533 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX036921.D

Acq: 10 Aug 2023 18:30

Instrument :

MSVOA_X

ClientSampleId :

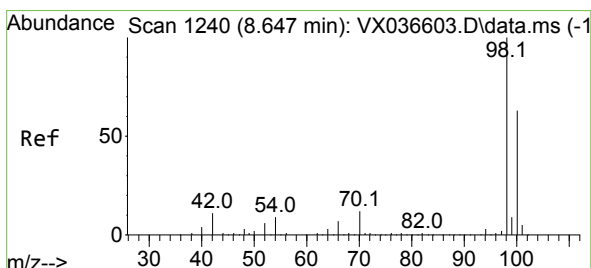
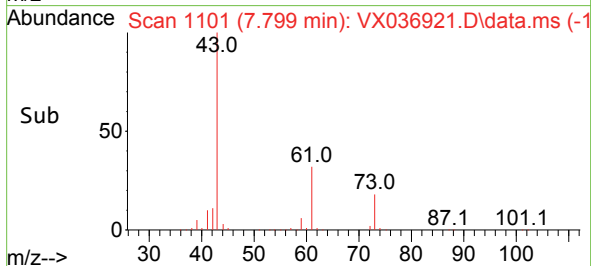
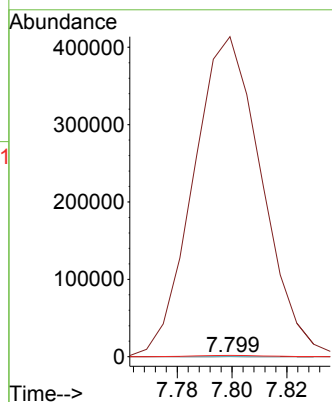
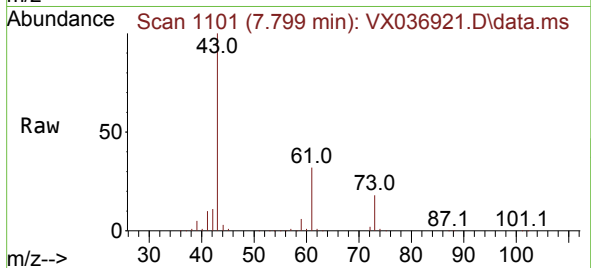
Tgt Ion: 88 Resp: 118

Ion Ratio Lower Upper

88 100

43 615749.2 0.0 0.0#

58 2511.0 60.1 90.1#



#50

Toluene-d8

Concen: 48.883 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX036921.D

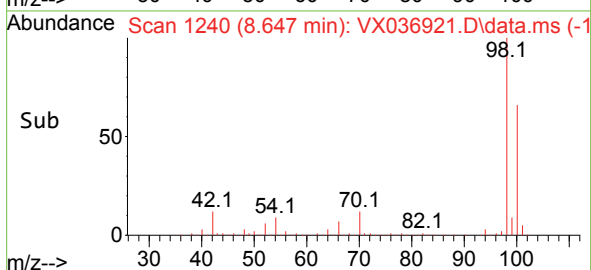
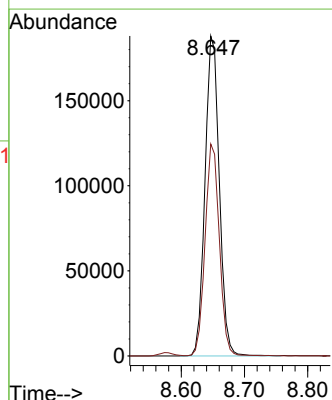
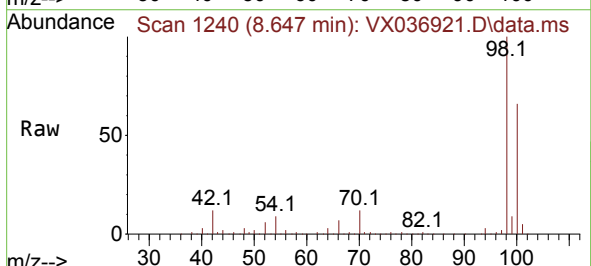
Acq: 10 Aug 2023 18:30

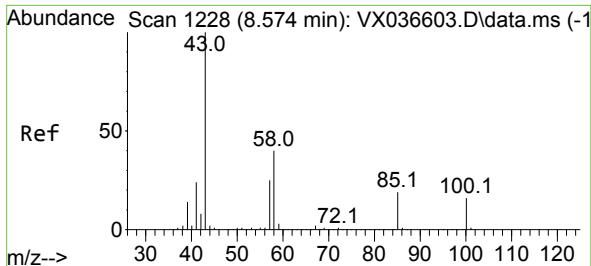
Tgt Ion: 98 Resp: 296011

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7

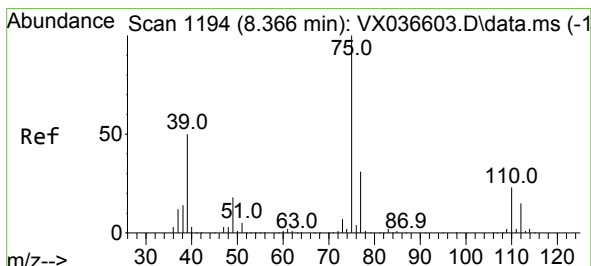
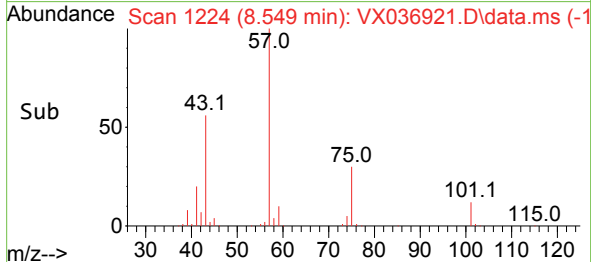
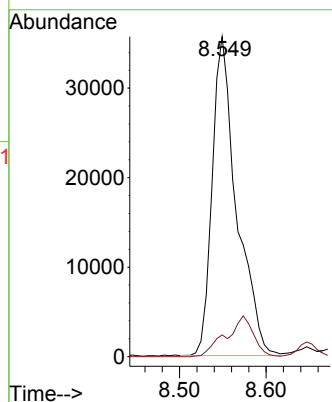
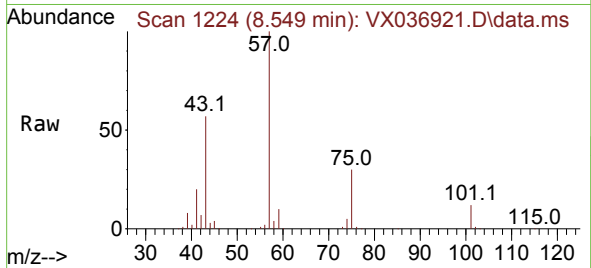




#51
4-Methyl-2-Pentanone
Concen: 25.488 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

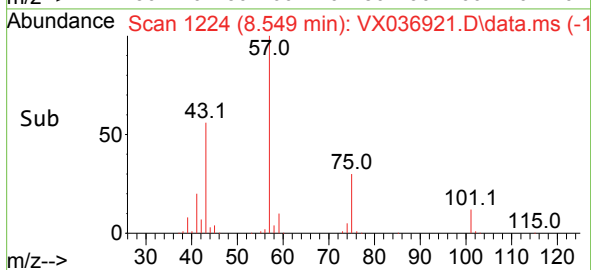
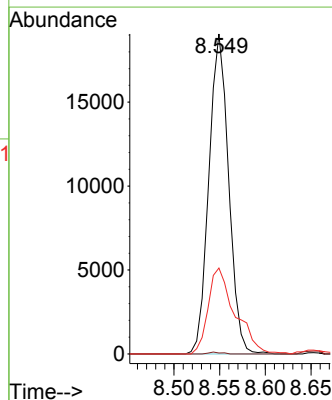
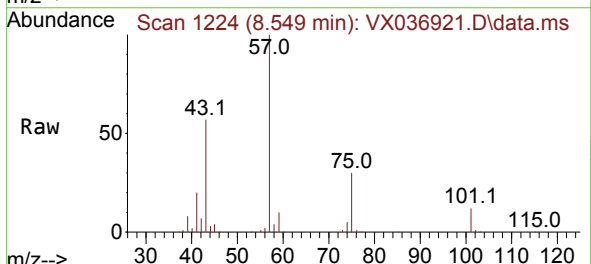
Instrument :
MSVOA_X
ClientSampleId :

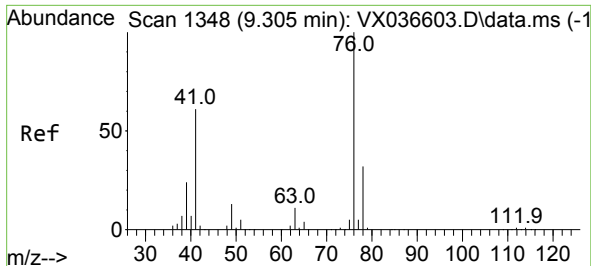
Tgt Ion: 43 Resp: 69943
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 8.439 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

Tgt Ion: 75 Resp: 28586
Ion Ratio Lower Upper
75 100
77 0.3 25.3 37.9#
39 26.9 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.184 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX036921.D

Acq: 10 Aug 2023 18:30

Instrument :

MSVOA_X

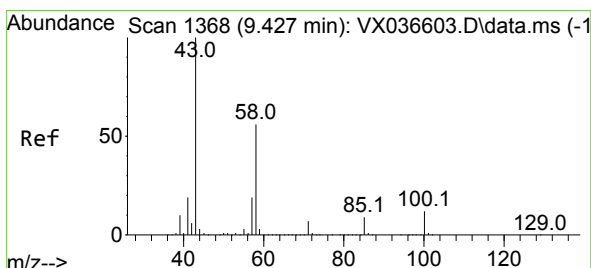
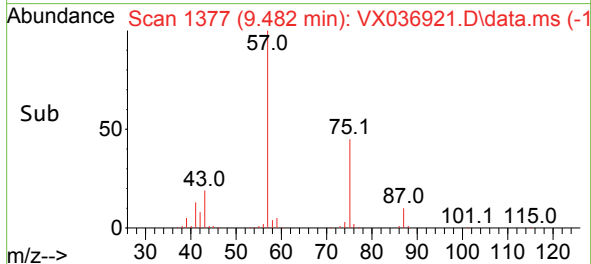
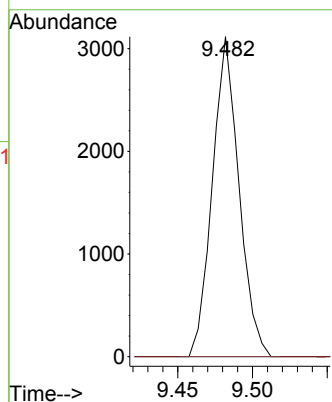
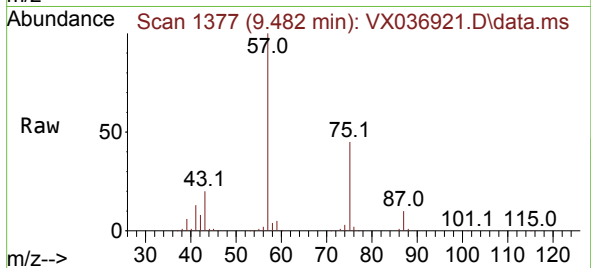
ClientSampleId :

Tgt Ion: 76 Resp: 3845

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 32.088 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036921.D

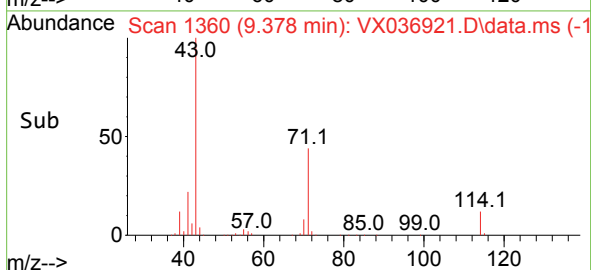
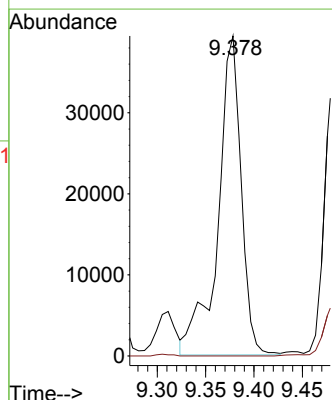
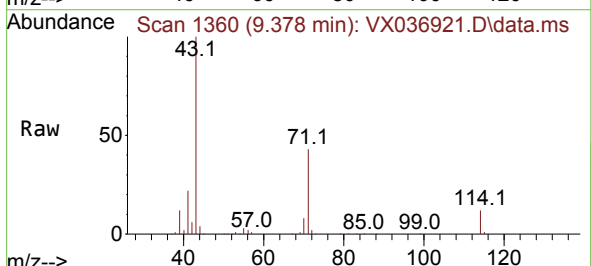
Acq: 10 Aug 2023 18:30

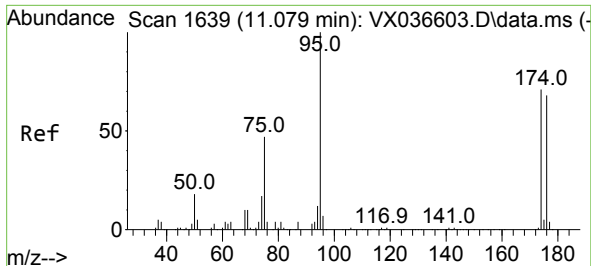
Tgt Ion: 43 Resp: 65351

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

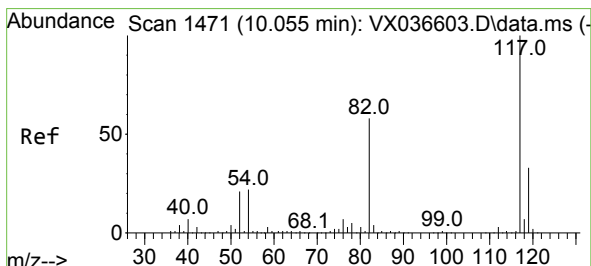
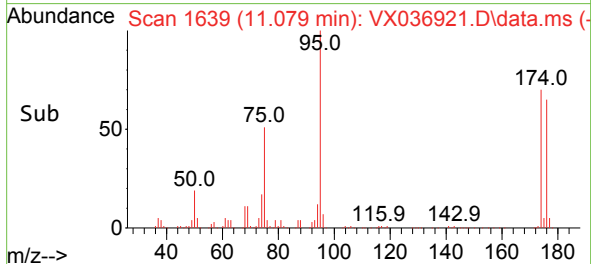
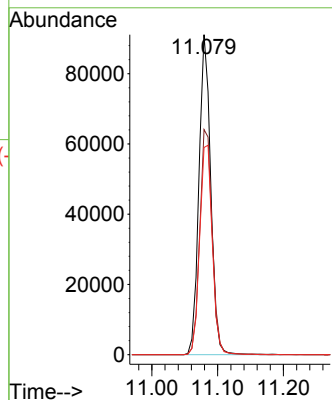
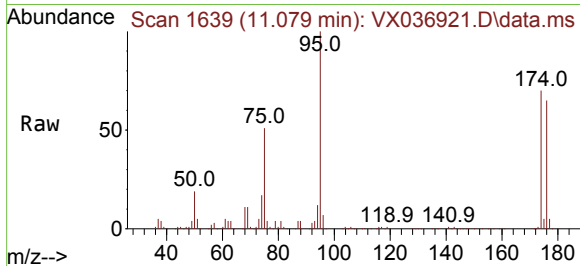




#62
4-Bromofluorobenzene
Concen: 49.417 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

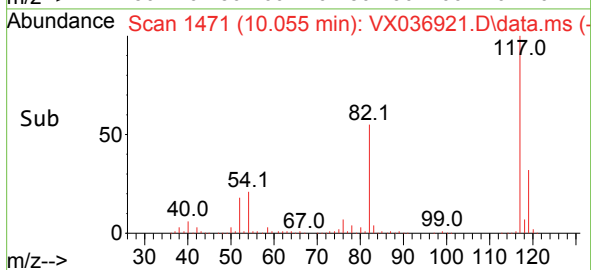
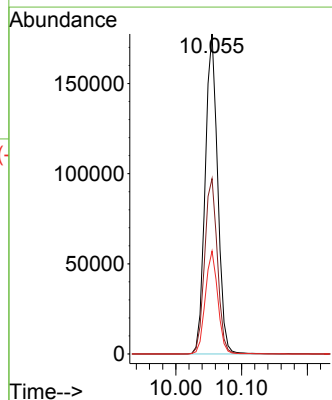
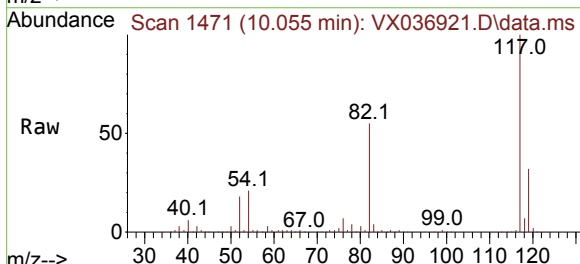
Instrument :
MSVOA_X
ClientSampleId :

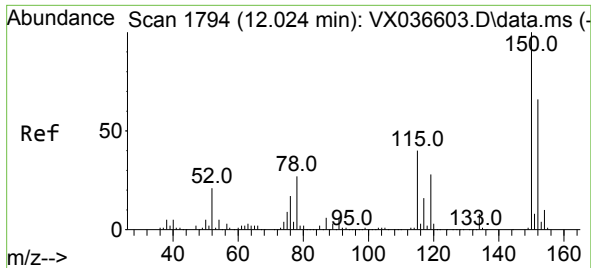
Tgt Ion: 95 Resp: 112901
Ion Ratio Lower Upper
95 100
174 74.9 0.0 135.6
176 70.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

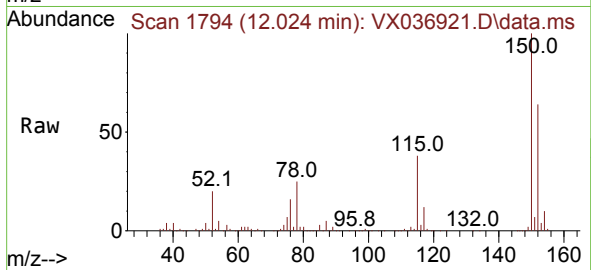
Tgt Ion: 117 Resp: 234363
Ion Ratio Lower Upper
117 100
82 54.8 46.2 69.4
119 32.1 25.5 38.3



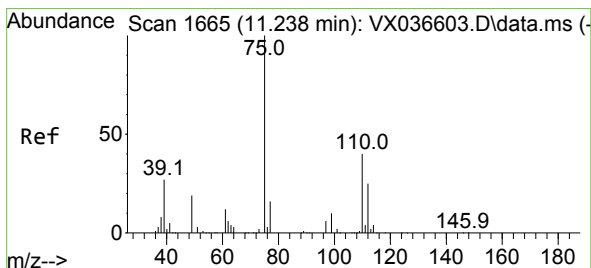
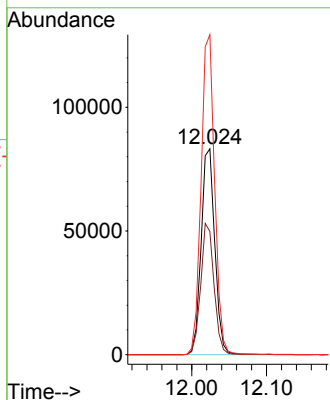
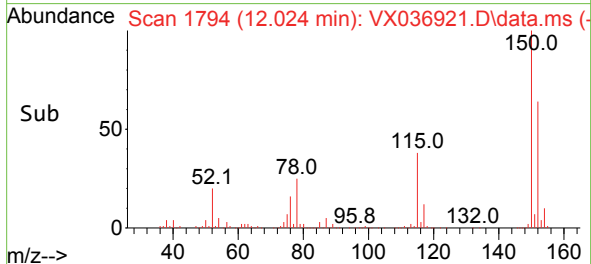


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

Instrument :
MSVOA_X
ClientSampleId :

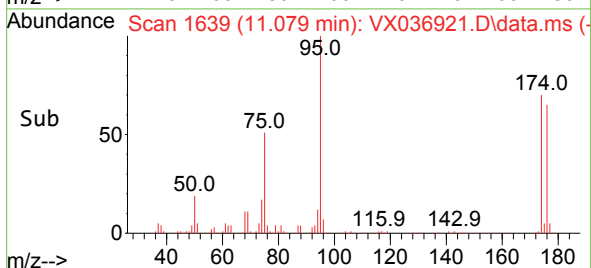
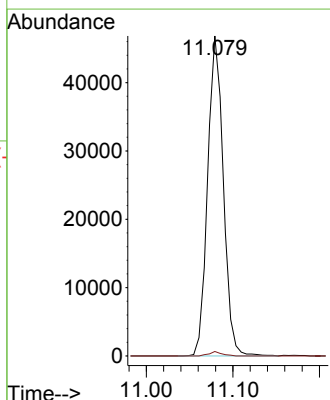
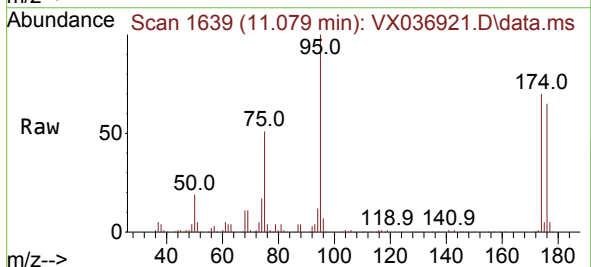


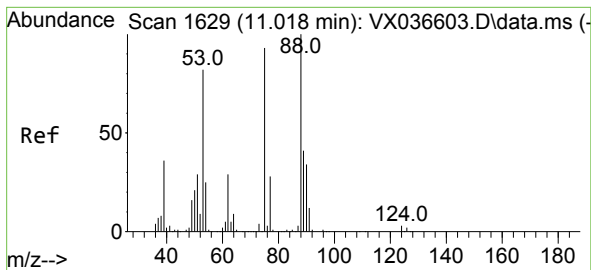
Tgt Ion:152 Resp: 105689
Ion Ratio Lower Upper
152 100
115 62.3 43.3 129.9
150 154.3 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 23.695 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036921.D
Acq: 10 Aug 2023 18:30

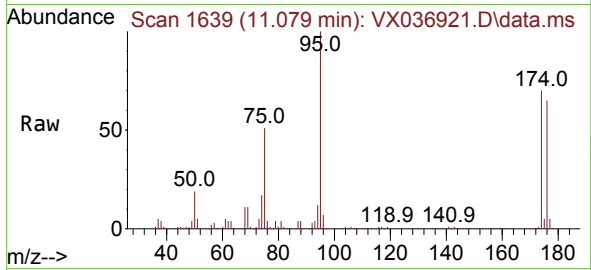
Tgt Ion: 75 Resp: 58903
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.705 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036921.D
 Acq: 10 Aug 2023 18:30

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 58903
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

