

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081023\
 Data File : VX036920.D
 Acq On : 10 Aug 2023 18:06
 Operator : JC/MD
 Sample : 03954-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 11 01:49:42 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)

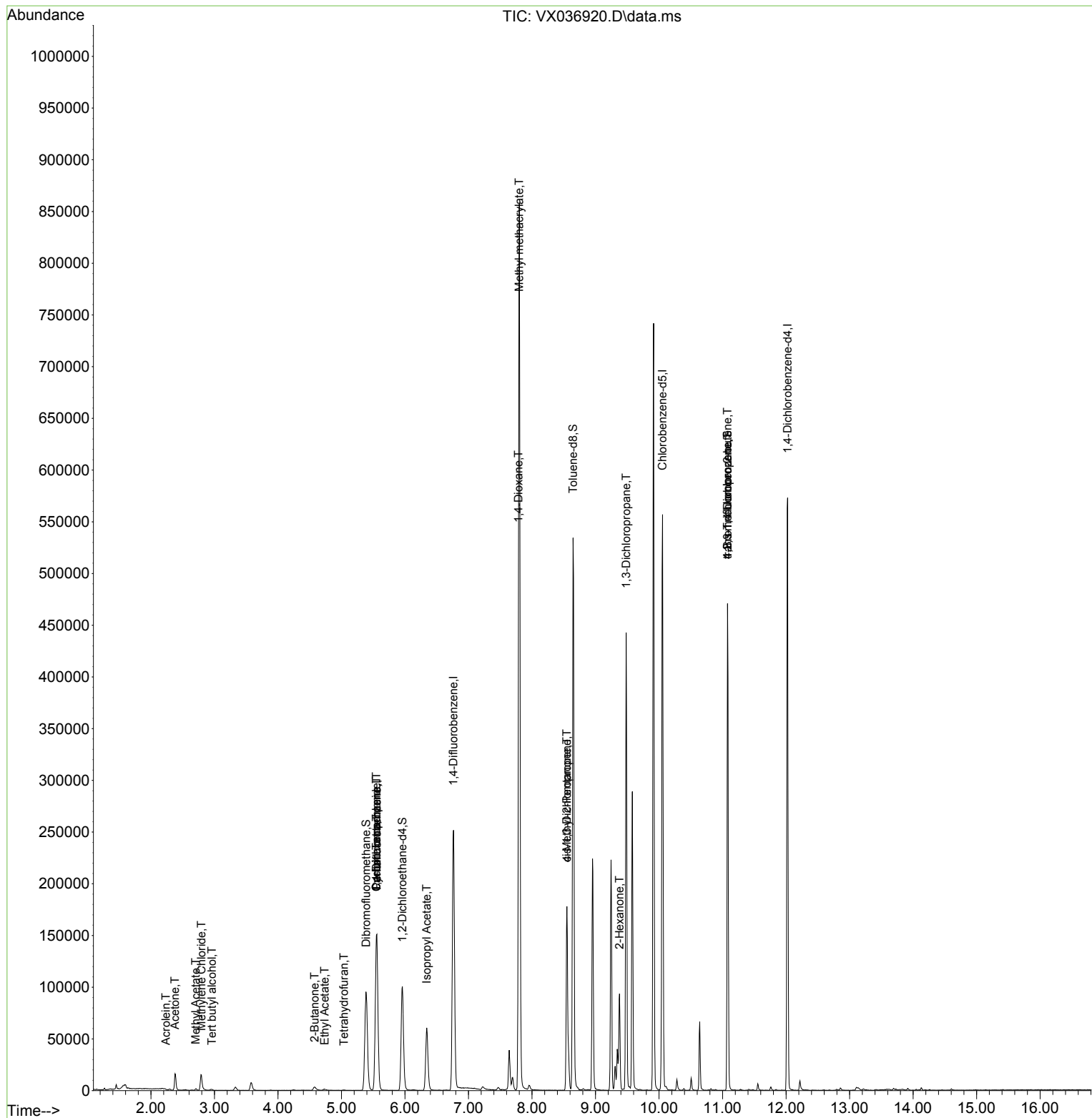
Internal Standards						
1) Pentafluorobenzene	5.556	168	140831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	262205	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	252625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100446	48.203	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.400%		
35) Dibromofluoromethane	5.385	113	84140	46.686	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.380%		
50) Toluene-d8	8.647	98	315229	49.322	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.640%		
62) 4-Bromofluorobenzene	11.079	95	124377	51.581	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.160%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	809	1.640	ug/l #	78
13) Acrolein	2.233	56	118	0.419	ug/l #	1
16) Acetone	2.380	43	17062	19.732	ug/l	93
18) Methyl Acetate	2.703	43	1793	0.493	ug/l	99
20) Methylene Chloride	2.794	84	8478	4.409	ug/l #	88
25) 2-Butanone	4.574	43	5489	3.913	ug/l #	74
29) Tetrahydrofuran	5.038	42	412	0.456	ug/l #	42
31) Cyclohexane	5.550	56	3218	1.115	ug/l #	16
36) 1,1-Dichloropropene	5.550	75	11862	4.416	ug/l #	51
37) Ethyl Acetate	4.733	43	2624	0.863	ug/l	97
38) Carbon Tetrachloride	5.550	117	15173	5.313	ug/l #	15
43) Isopropyl Acetate	6.342	43	81824	15.634	ug/l #	94
48) Methyl methacrylate	7.799	41	72458	29.770	ug/l #	48
49) 1,4-Dioxane	7.787	88	61	1.241	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	75275	25.990	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	30249	8.461	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	3875	1.130	ug/l #	42
59) 2-Hexanone	9.378	43	69328	32.253	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	65192	23.667	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	65192	53.642	ug/l #	5

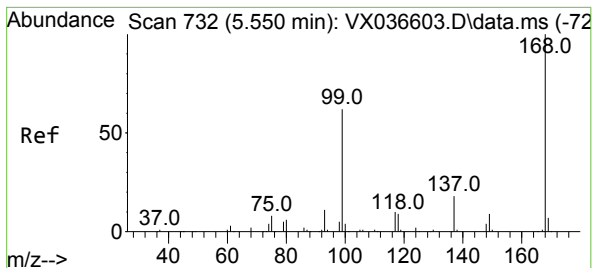
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX036920.D

Acq: 10 Aug 2023 18:06

Instrument :

MSVOA_X

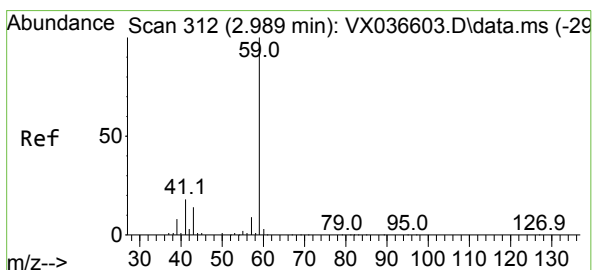
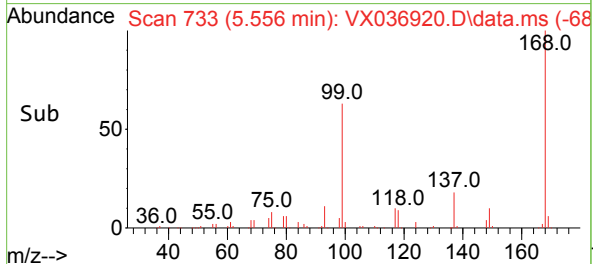
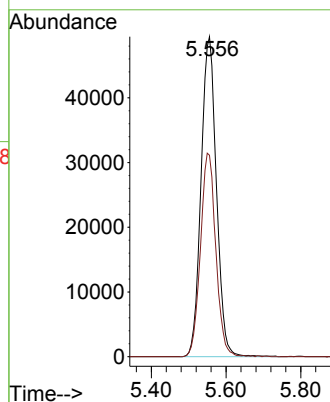
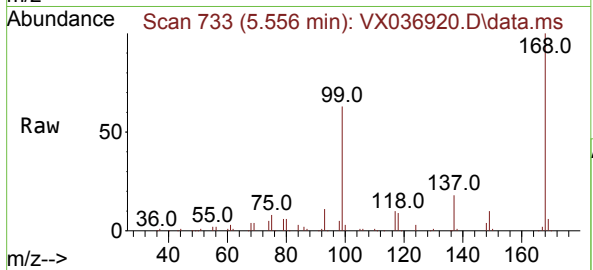
ClientSampleId :

Tgt Ion:168 Resp: 140831

Ion Ratio Lower Upper

168 100

99 63.0 56.6 85.0



#11

Tert butyl alcohol

Concen: 1.640 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.031 min

Lab File: VX036920.D

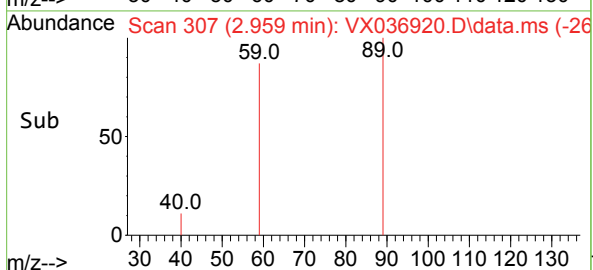
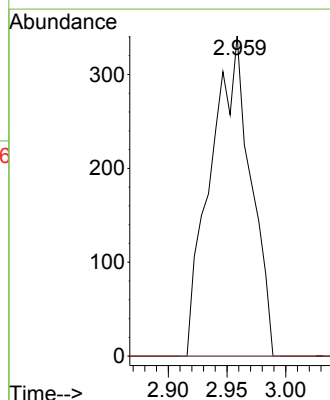
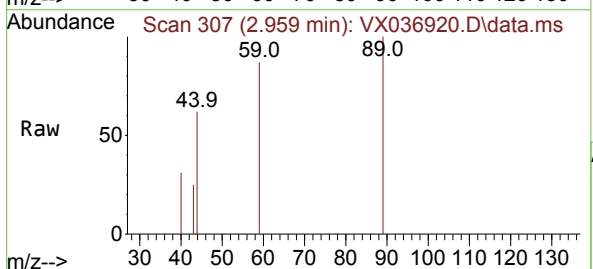
Acq: 10 Aug 2023 18:06

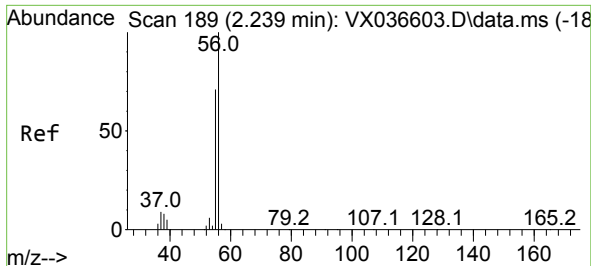
Tgt Ion: 59 Resp: 809

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

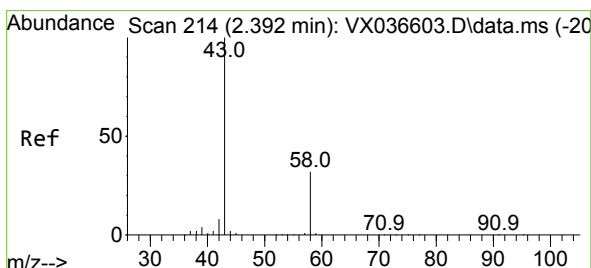
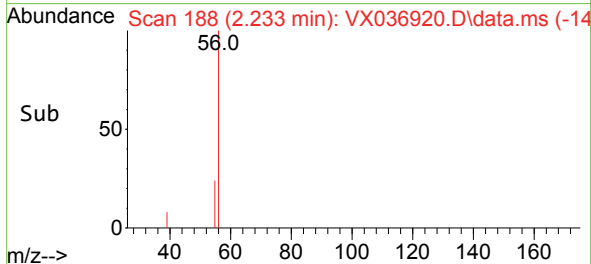
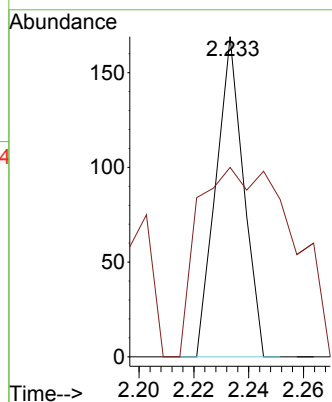
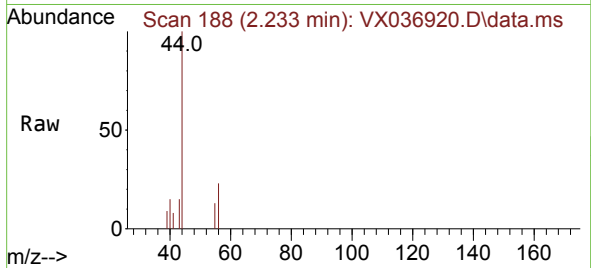




#13
Acrolein
Concen: 0.419 ug/l
RT: 2.233 min Scan# 118
Delta R.T. -0.006 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

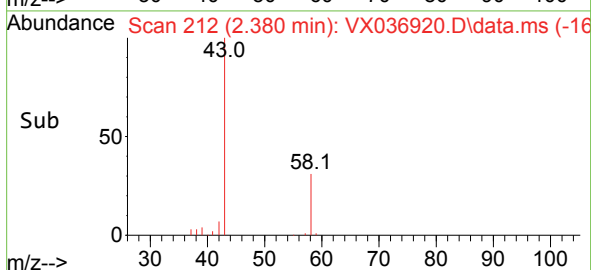
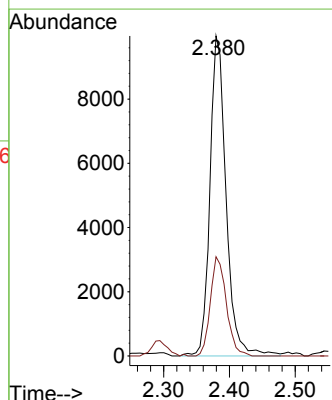
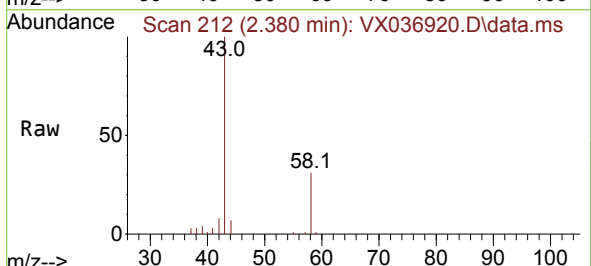
Instrument :
MSVOA_X
ClientSampleId :

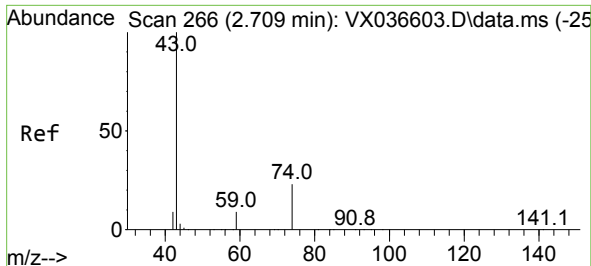
Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 203.4 57.1 85.7#



#16
Acetone
Concen: 19.732 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

Tgt Ion: 43 Resp: 17062
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9

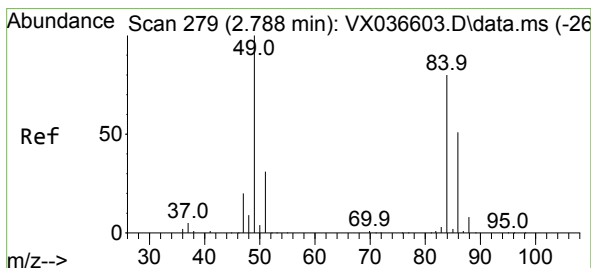
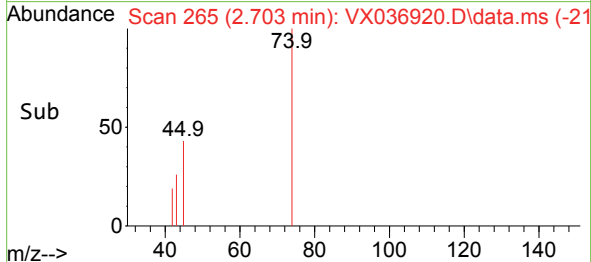
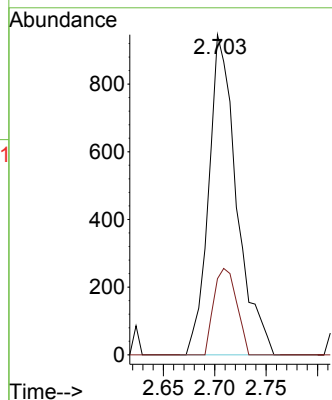
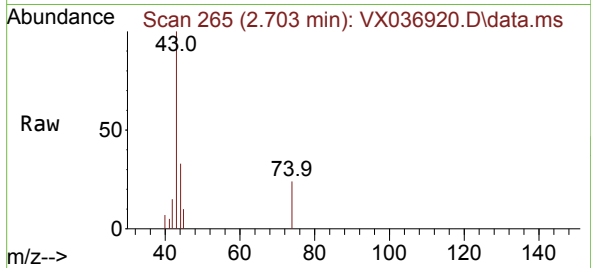




#18
Methyl Acetate
Concen: 0.493 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

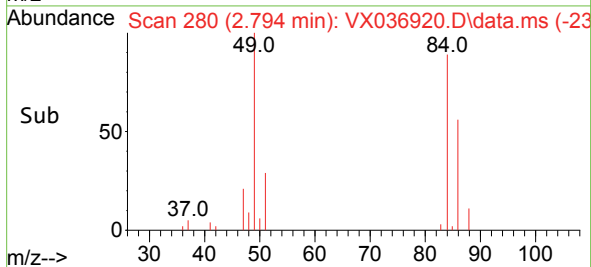
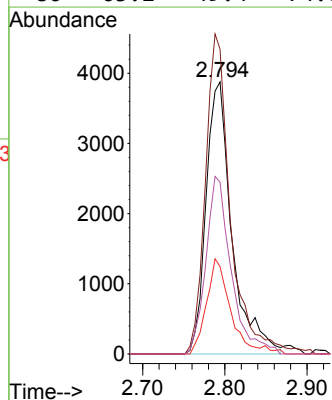
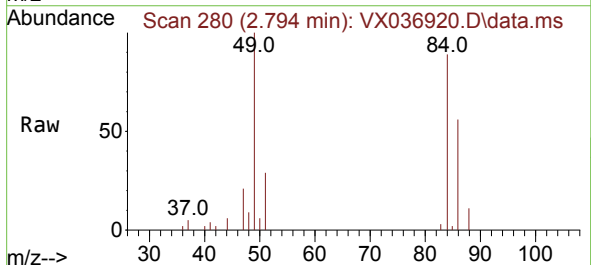
Instrument :
MSVOA_X
ClientSampleId :

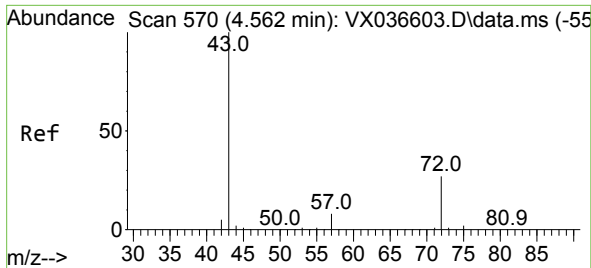
Tgt Ion: 43 Resp: 1793
Ion Ratio Lower Upper
43 100
74 22.0 17.8 26.8



#20
Methylene Chloride
Concen: 4.409 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

Tgt Ion: 84 Resp: 8478
Ion Ratio Lower Upper
84 100
49 112.1 103.6 155.4
51 32.1 33.8 50.6#
86 63.2 49.4 74.0

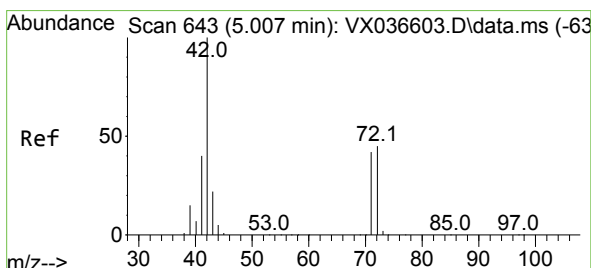
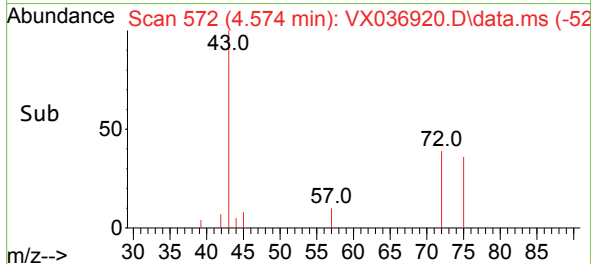
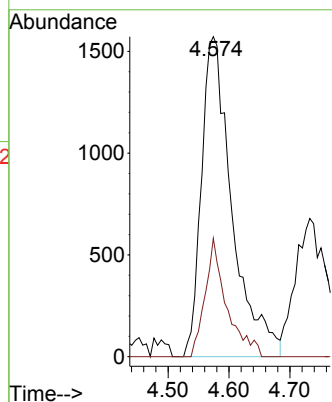
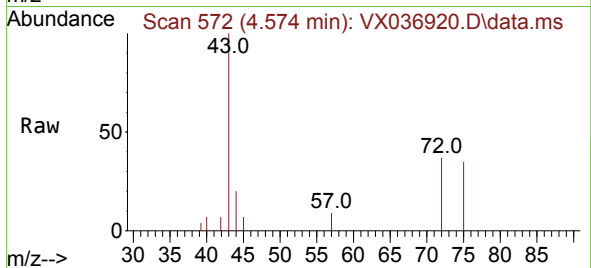




#25
2-Butanone
Concen: 3.913 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

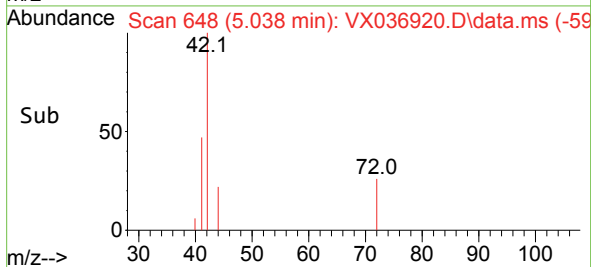
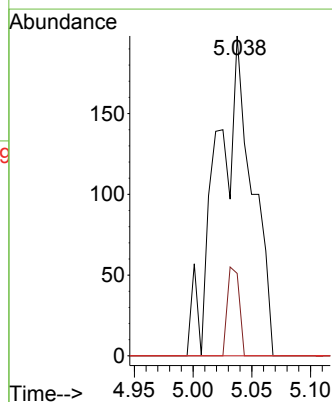
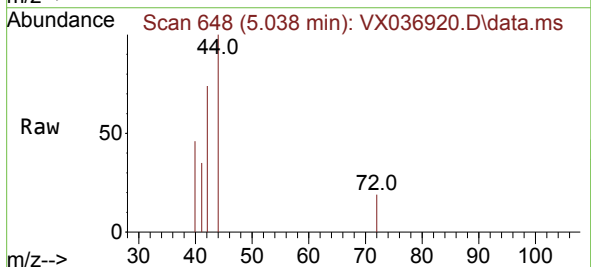
Instrument :
MSVOA_X
ClientSampleId :

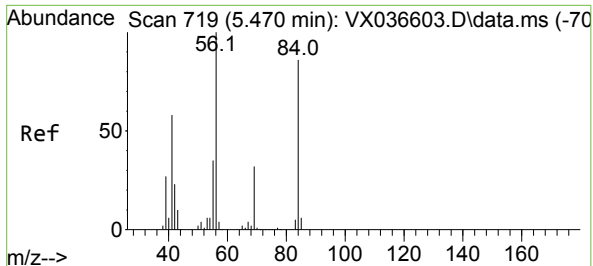
Tgt Ion: 43 Resp: 5489
Ion Ratio Lower Upper
43 100
72 37.0 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.456 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.030 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

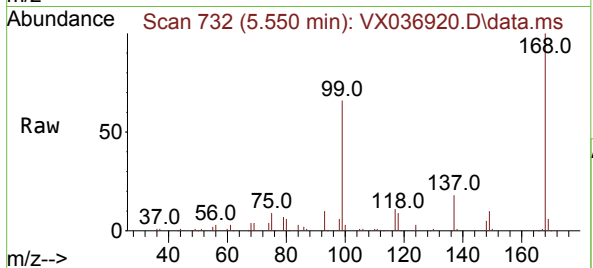
Tgt Ion: 42 Resp: 412
Ion Ratio Lower Upper
42 100
72 9.5 34.2 51.4#
71 0.0 32.2 48.2#



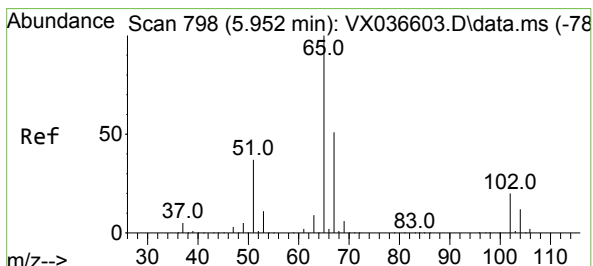
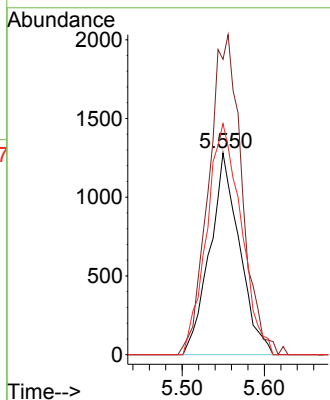
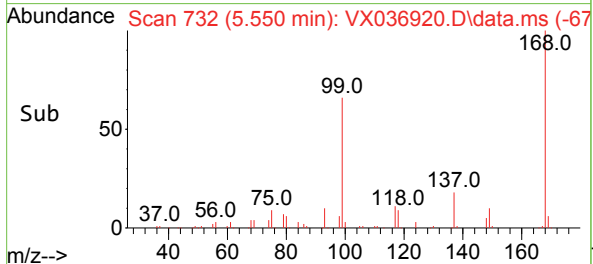


#31
Cyclohexane
Concen: 1.115 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

Instrument :
MSVOA_X
ClientSampleId :

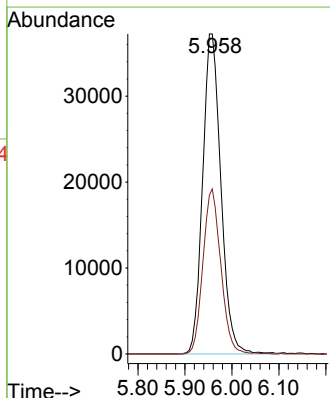
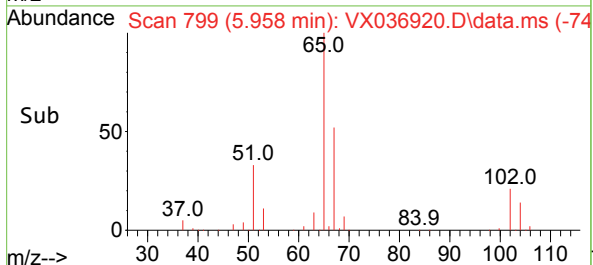
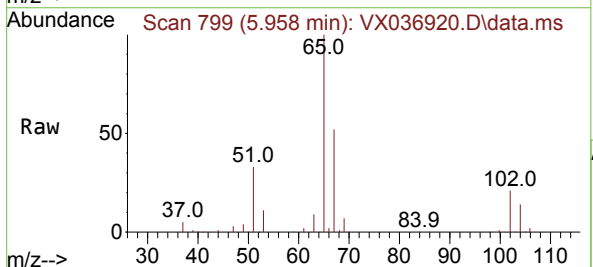


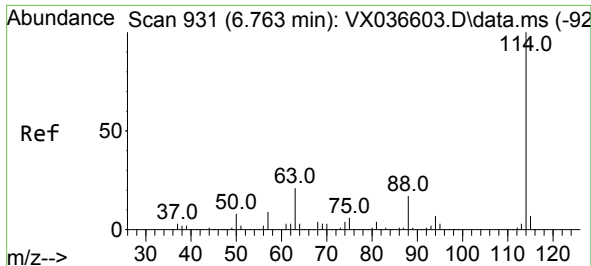
Tgt Ion: 56 Resp: 3218
Ion Ratio Lower Upper
56 100
69 146.4 23.4 35.2#
84 114.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.203 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

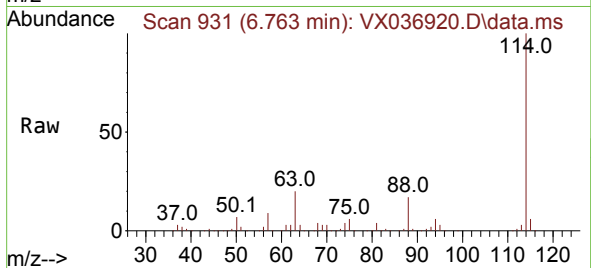
Tgt Ion: 65 Resp: 100446
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.2



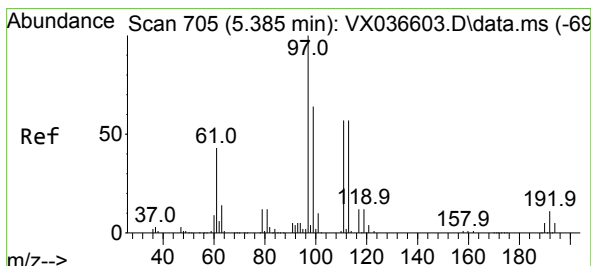
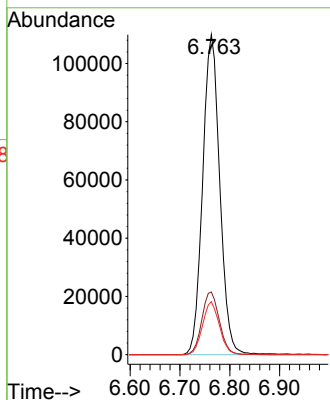
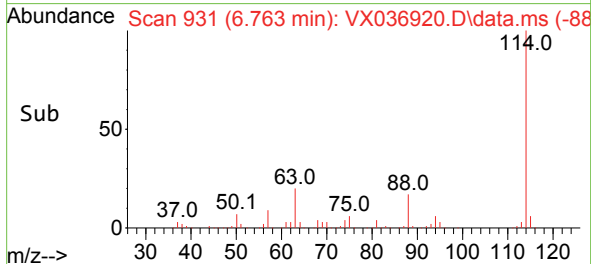


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

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ClientSampleId :

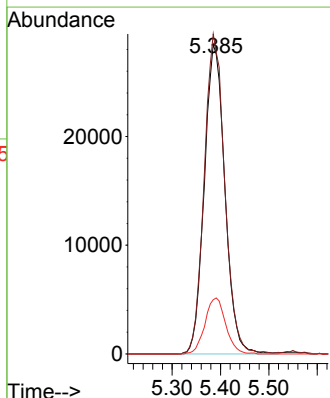
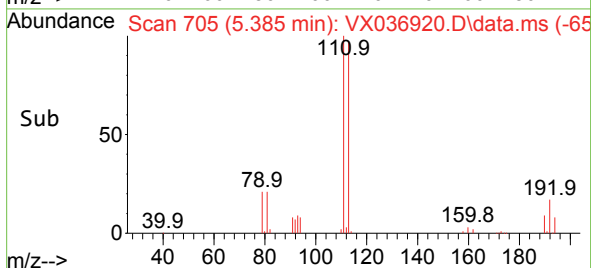
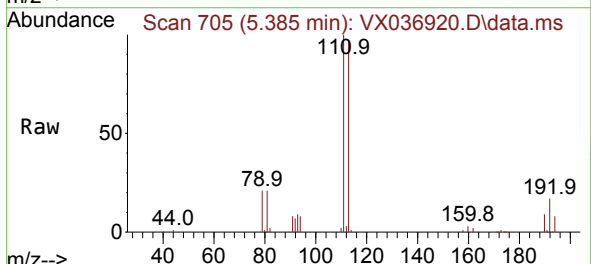


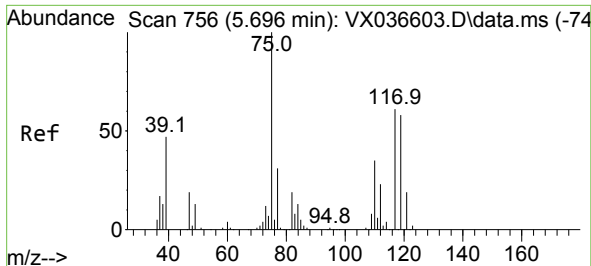
Tgt Ion:114 Resp: 262205
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.686 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

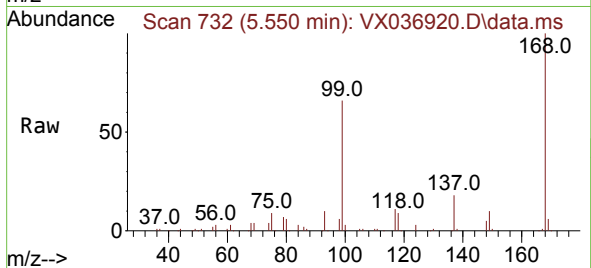
Tgt Ion:113 Resp: 84140
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.2 13.3 19.9



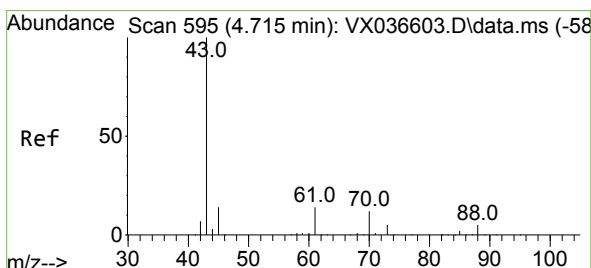
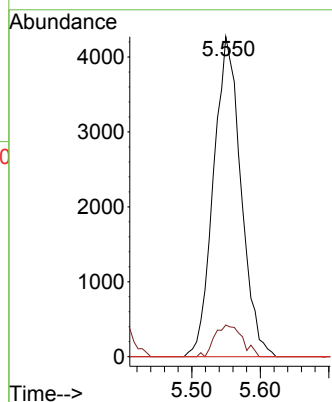
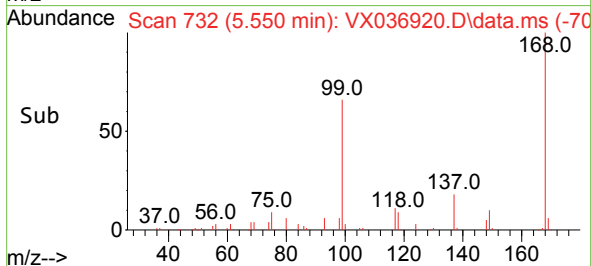


#36
1,1-Dichloropropene
Concen: 4.416 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

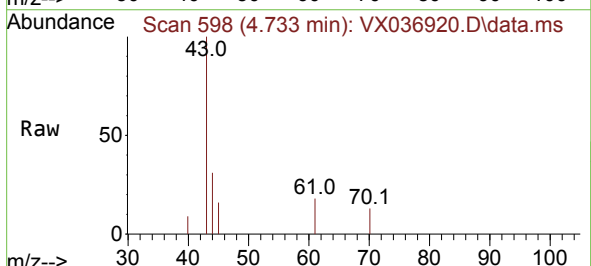
Instrument :
MSVOA_X
ClientSampleId :



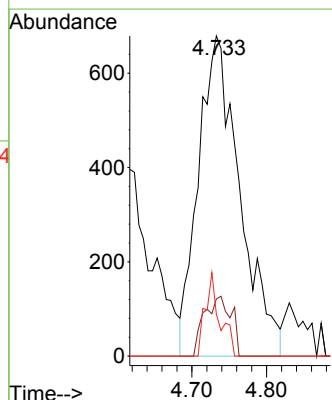
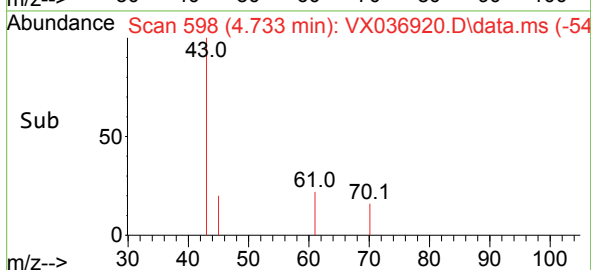
Tgt Ion: 75 Resp: 11862
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#

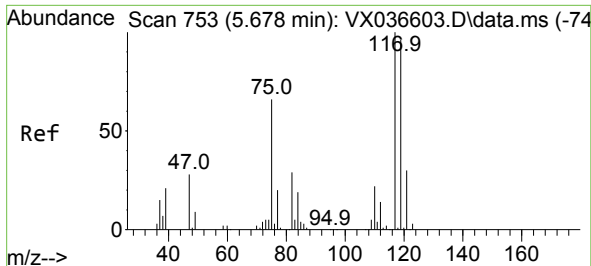


#37
Ethyl Acetate
Concen: 0.863 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06



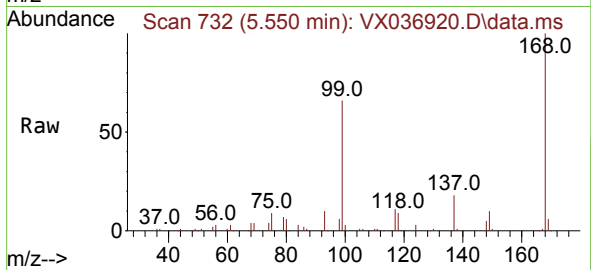
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Ion Ratio Lower Upper
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61 12.0 10.6 16.0
70 9.1 8.3 12.5



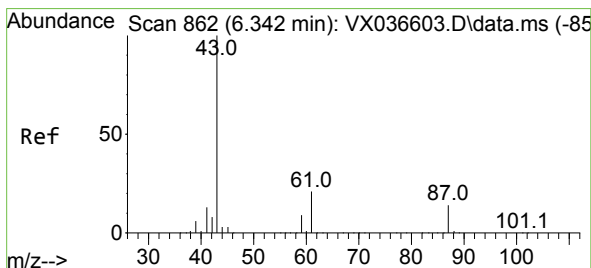
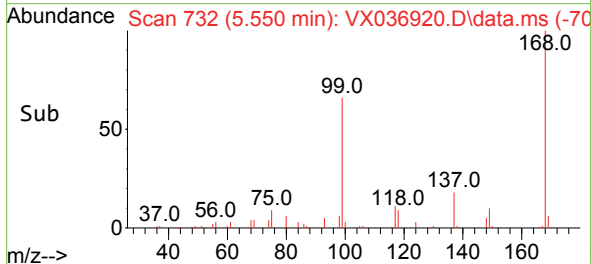
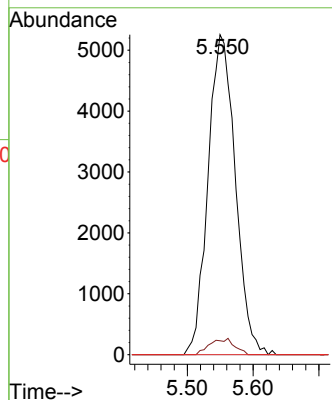


#38
Carbon Tetrachloride
Concen: 5.313 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

Instrument :
MSVOA_X
ClientSampleId :

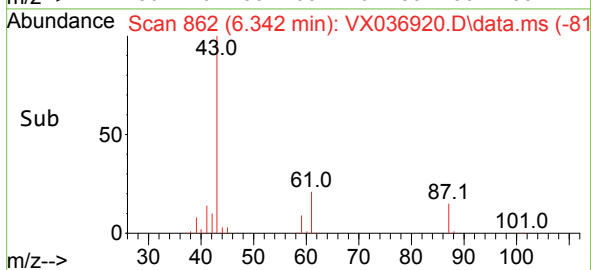
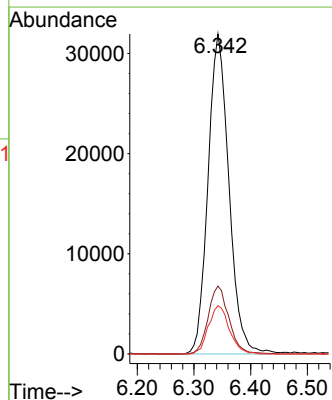
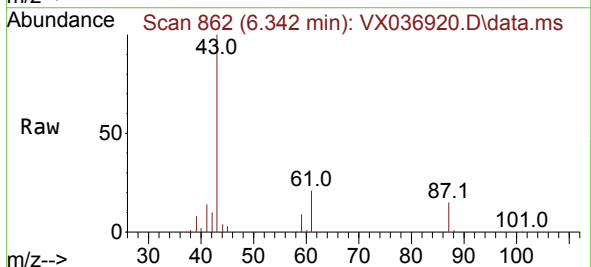


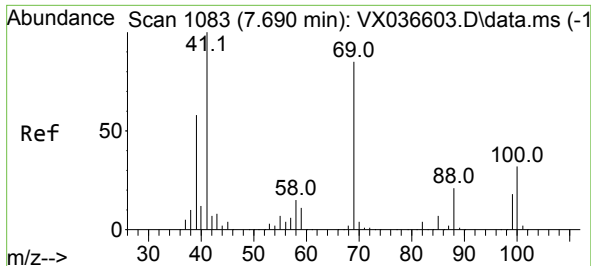
Tgt Ion:117 Resp: 15173
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 15.634 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

Tgt Ion: 43 Resp: 81824
Ion Ratio Lower Upper
43 100
61 21.0 15.2 22.8
87 15.0 9.8 14.6#

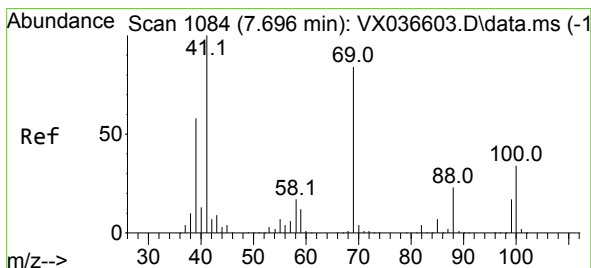
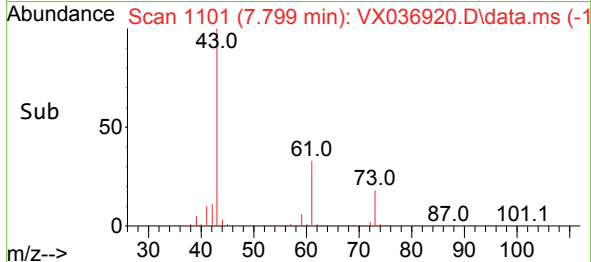
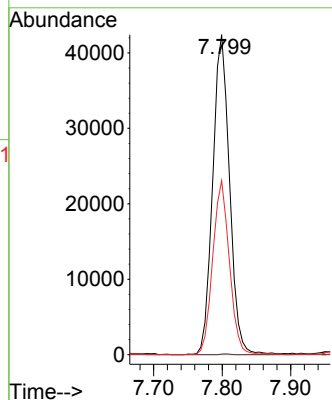
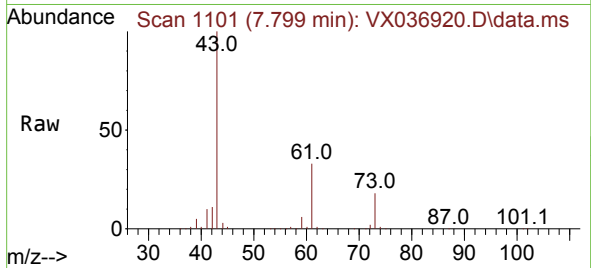




#48
Methyl methacrylate
Concen: 29.770 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

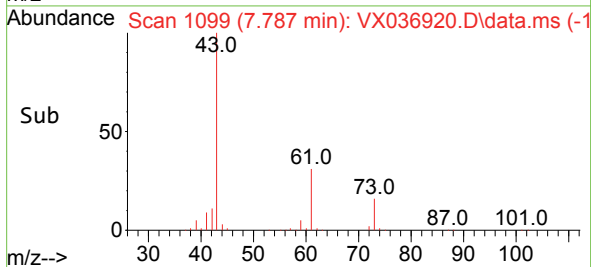
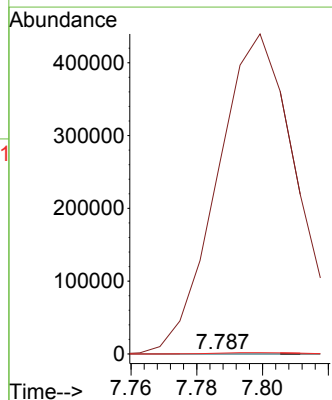
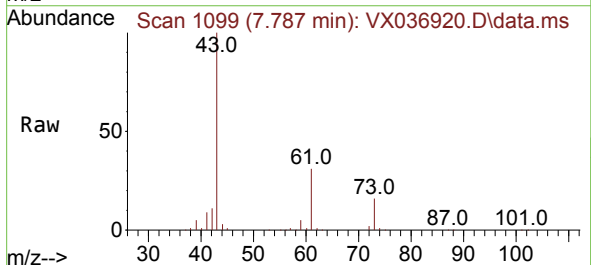
Instrument :
MSVOA_X
ClientSampleId :

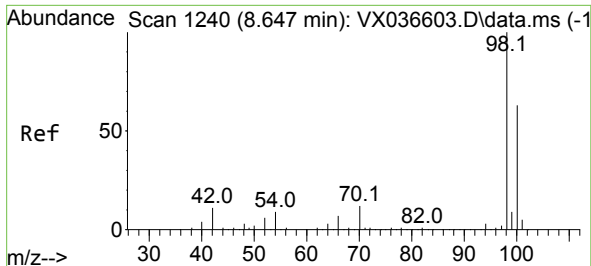
Tgt Ion: 41 Resp: 72458
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 53.9 47.7 71.5



#49
1,4-Dioxane
Concen: 1.241 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.091 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 1231432.8 0.0 0.0#
58 5401.6 60.1 90.1#

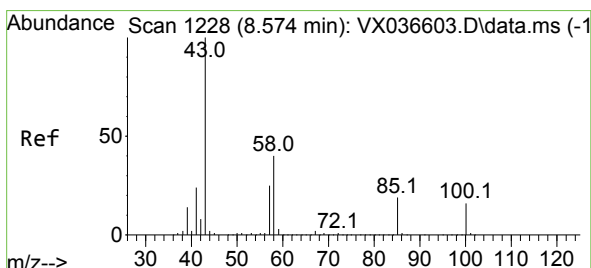
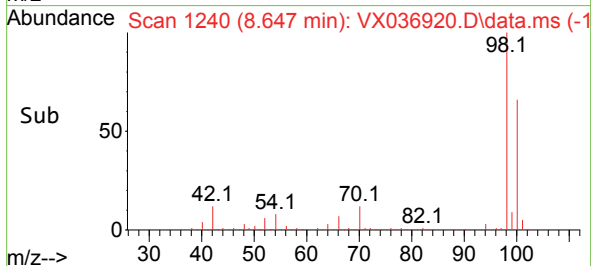
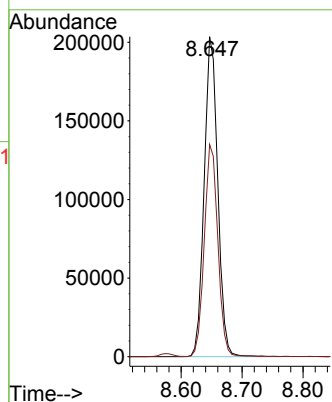
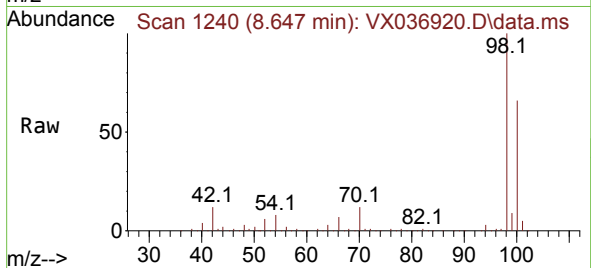




#50
Toluene-d8
Concen: 49.322 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

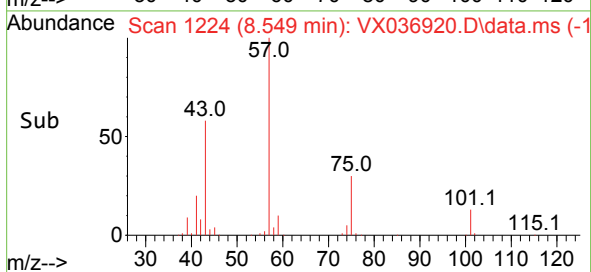
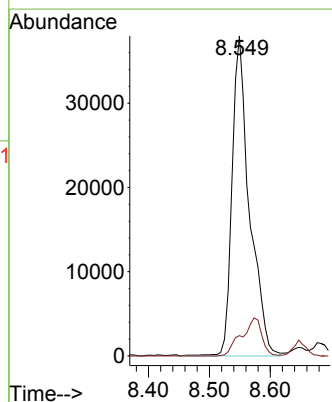
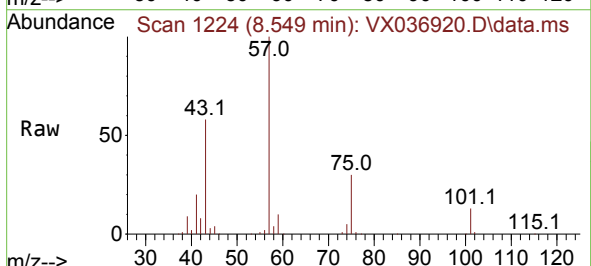
Instrument :
MSVOA_X
ClientSampleId :

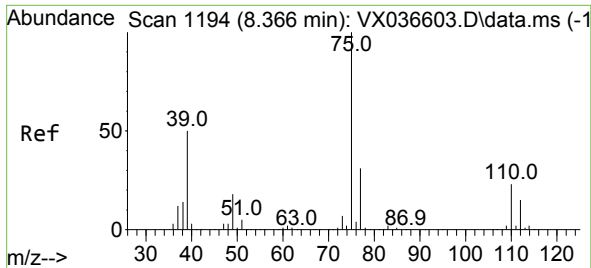
Tgt Ion: 98 Resp: 315229
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 25.990 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

Tgt Ion: 43 Resp: 75275
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

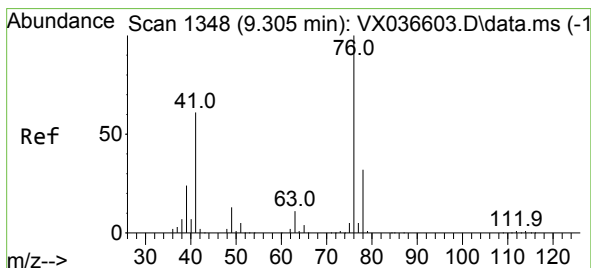
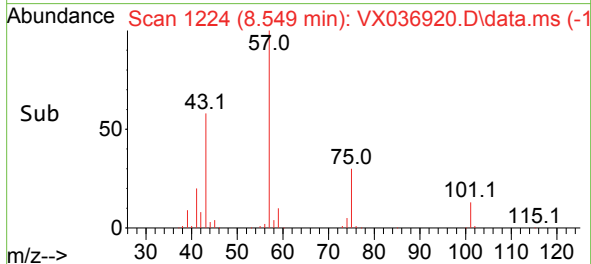
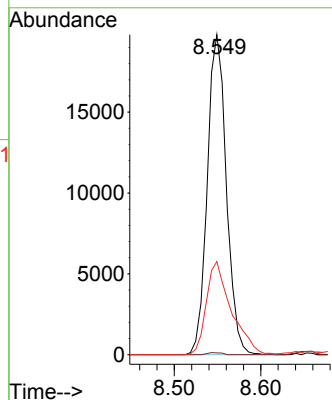
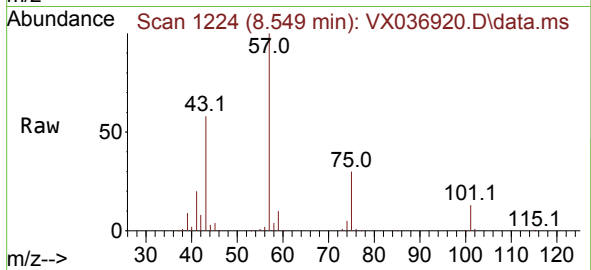




#54
cis-1,3-Dichloropropene
Concen: 8.461 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

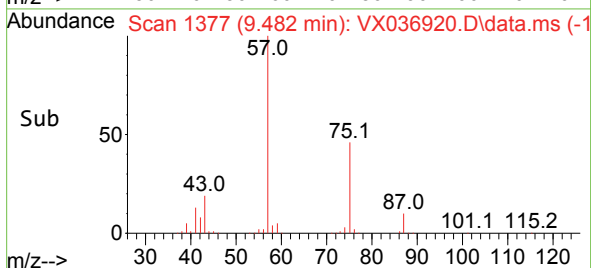
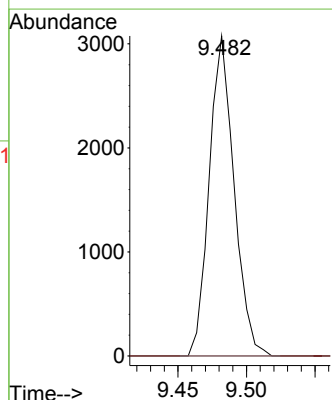
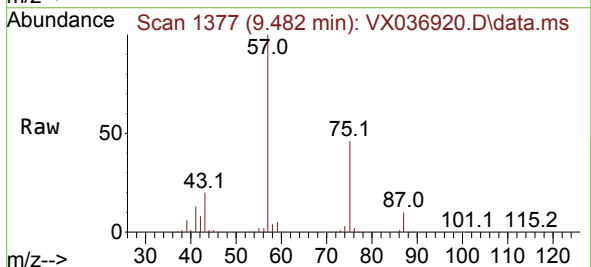
Instrument :
MSVOA_X
ClientSampleId :

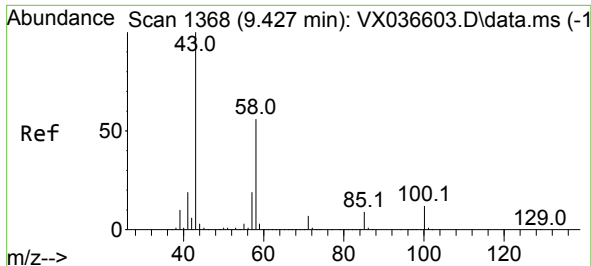
Tgt Ion: 75 Resp: 30249
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 29.1 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.130 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

Tgt Ion: 76 Resp: 3875
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

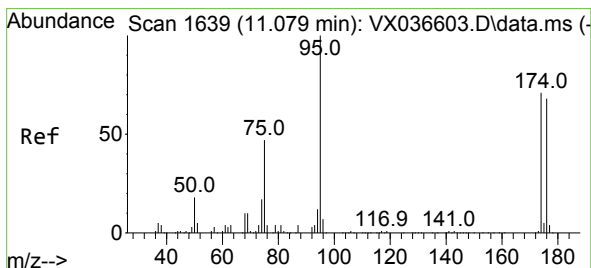
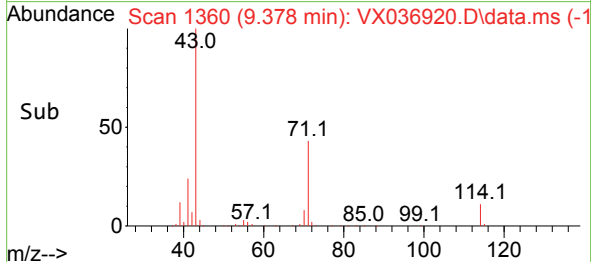
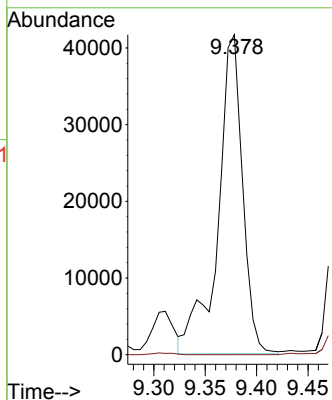
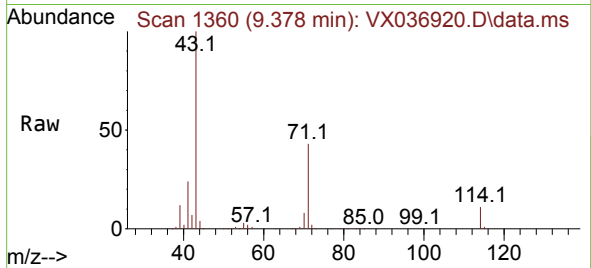




#59
2-Hexanone
Concen: 32.253 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

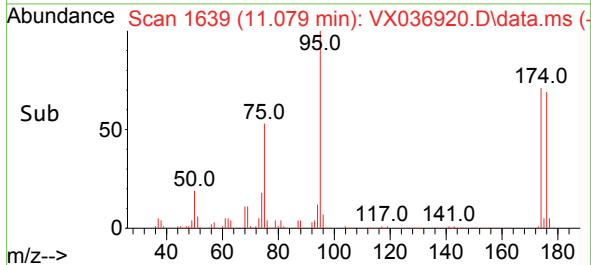
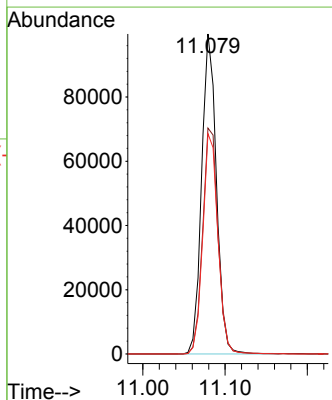
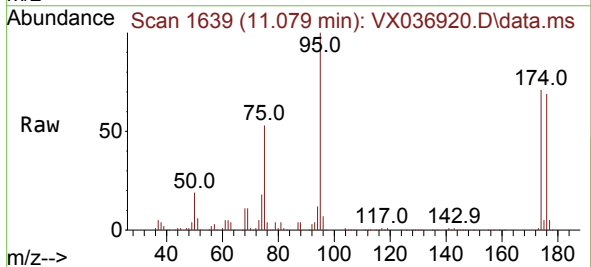
Instrument :
MSVOA_X
ClientSampleId :

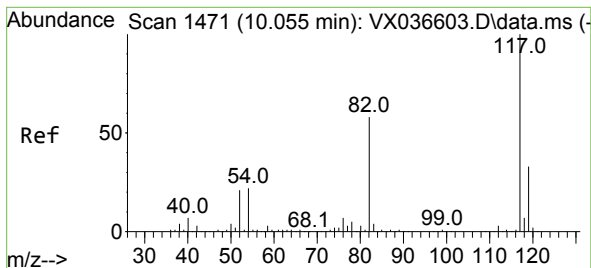
Tgt Ion: 43 Resp: 69328
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.581 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

Tgt Ion: 95 Resp: 124377
Ion Ratio Lower Upper
95 100
174 73.6 0.0 135.6
176 70.5 0.0 131.0

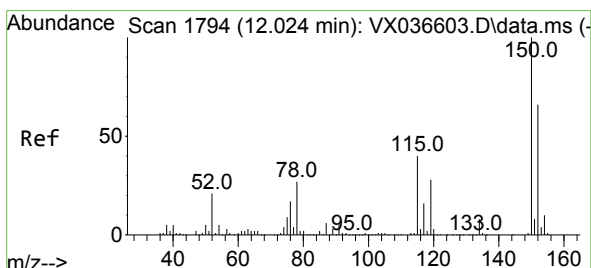
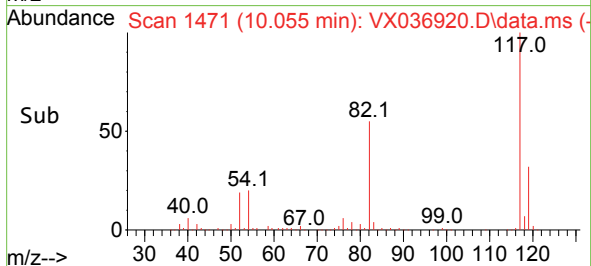
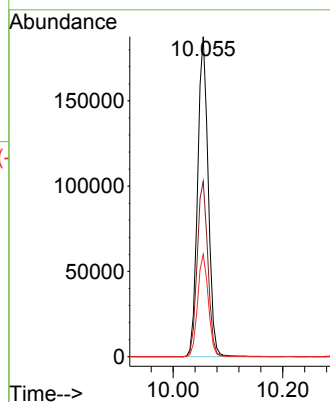
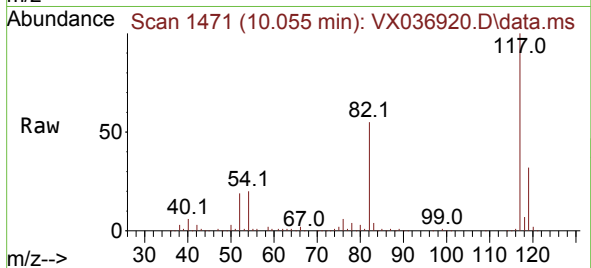




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

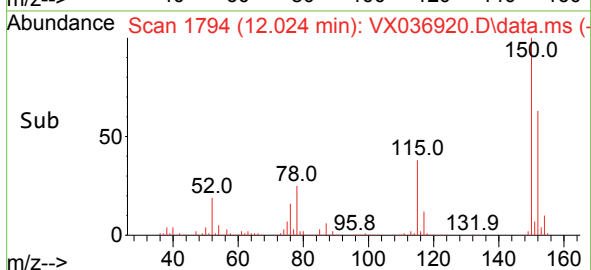
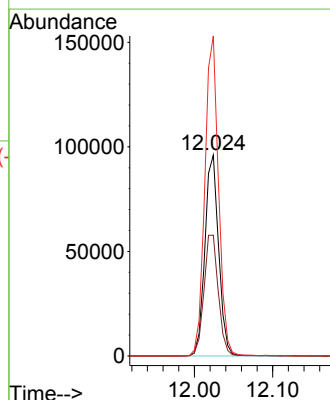
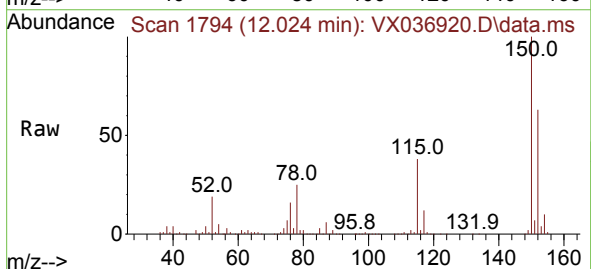
Instrument :
MSVOA_X
ClientSampleId :

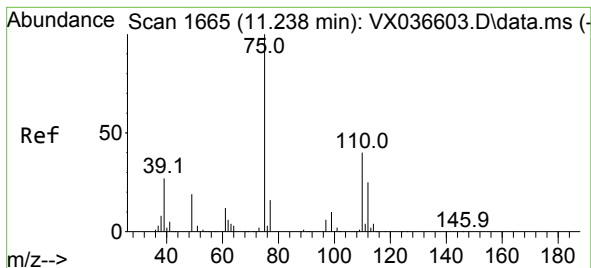
Tgt Ion:117 Resp: 252625
Ion Ratio Lower Upper
117 100
82 54.8 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX036920.D
Acq: 10 Aug 2023 18:06

Tgt Ion:152 Resp: 117112
Ion Ratio Lower Upper
152 100
115 63.0 43.3 129.9
150 158.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.667 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036920.D

Acq: 10 Aug 2023 18:06

Instrument :

MSVOA_X

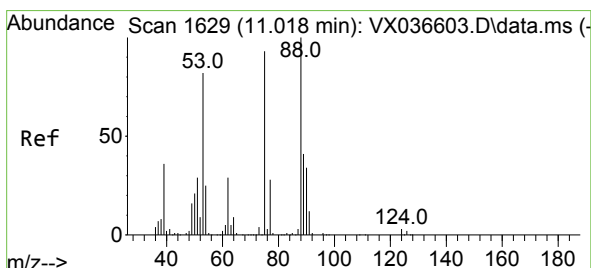
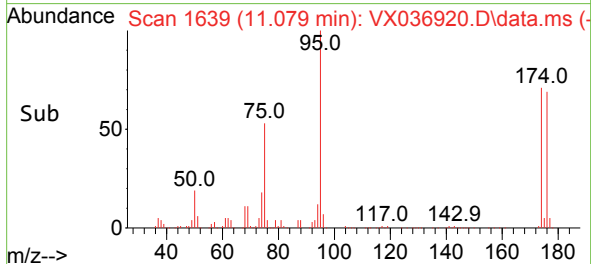
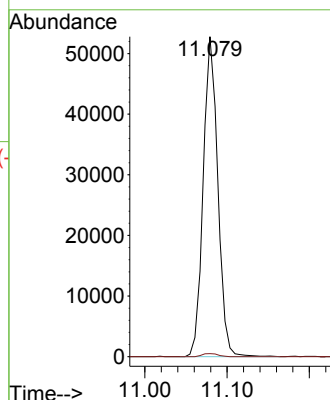
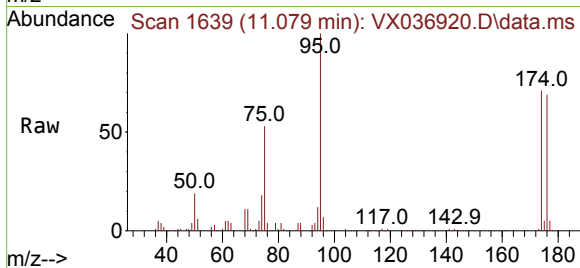
ClientSampleId :

Tgt Ion: 75 Resp: 65192

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.642 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036920.D

Acq: 10 Aug 2023 18:06

Tgt Ion: 75 Resp: 65192

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

