

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
 Data File : VX036820.D
 Acq On : 04 Aug 2023 19:07
 Operator : JC/MD
 Sample : 03887-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP7

Quant Time: Aug 04 23:10:05 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)

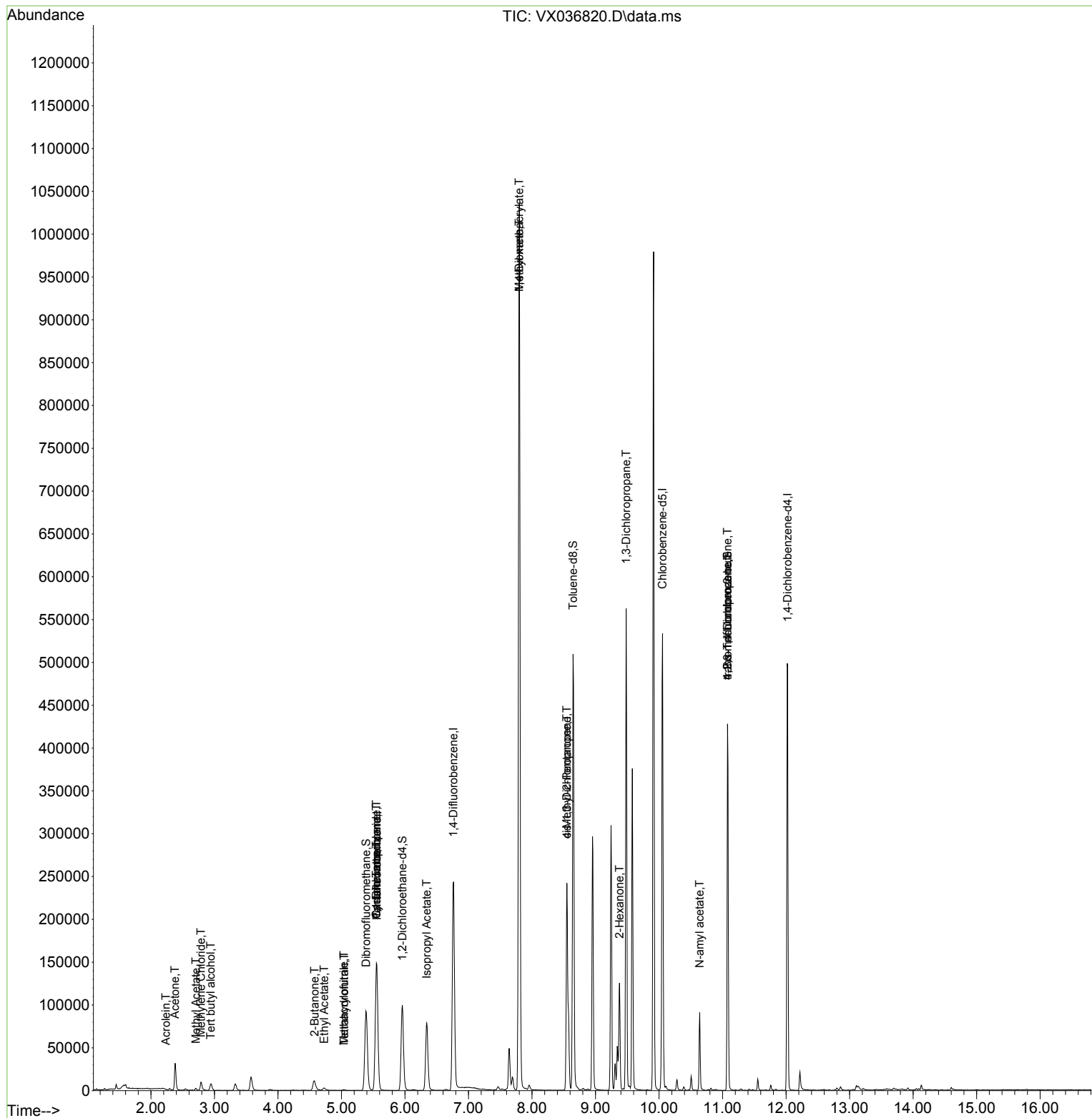
Internal Standards						
1) Pentafluorobenzene	5.556	168	138123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	252540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96306	47.123	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.240%		
35) Dibromofluoromethane	5.385	113	81737	47.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.180%		
50) Toluene-d8	8.647	98	301338	48.953	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.900%		
62) 4-Bromofluorobenzene	11.079	95	113397	48.827	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.660%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.940	59	4727	9.770	ug/l #	83
13) Acrolein	2.233	56	161	0.583	ug/l #	48
16) Acetone	2.380	43	32738	38.603	ug/l #	89
18) Methyl Acetate	2.709	43	3056	0.857	ug/l	96
20) Methylene Chloride	2.788	84	4937	2.618	ug/l	93
25) 2-Butanone	4.574	43	15038	10.929	ug/l	97
29) Tetrahydrofuran	5.044	42	676	0.762	ug/l #	34
31) Cyclohexane	5.550	56	3260	1.152	ug/l #	6
36) 1,1-Dichloropropene	5.550	75	11440	4.422	ug/l #	51
37) Ethyl Acetate	4.727	43	5276	1.802	ug/l #	93
38) Carbon Tetrachloride	5.550	117	14767	5.369	ug/l #	14
41) Methacrylonitrile	5.038	41	535	0.342	ug/l #	45
43) Isopropyl Acetate	6.342	43	110022	21.826	ug/l	95
48) Methyl methacrylate	7.799	41	89317	38.101	ug/l #	48
49) 1,4-Dioxane	7.799	88	148	3.125	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	119714	42.916	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	39949	11.602	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	4888	1.480	ug/l #	42
59) 2-Hexanone	9.378	43	91906	44.393	ug/l #	26
74) N-amyl acetate	10.640	43	19985	4.978	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	59471	24.305	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	59471	55.088	ug/l #	5

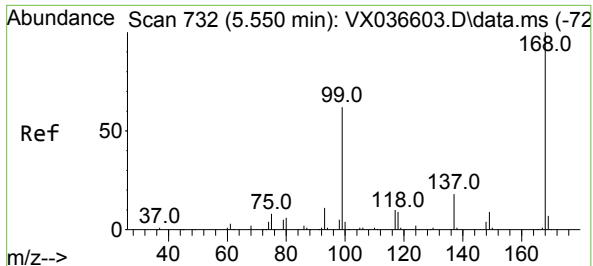
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 04 23:10:05 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

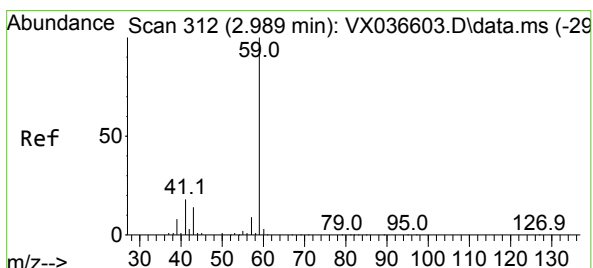
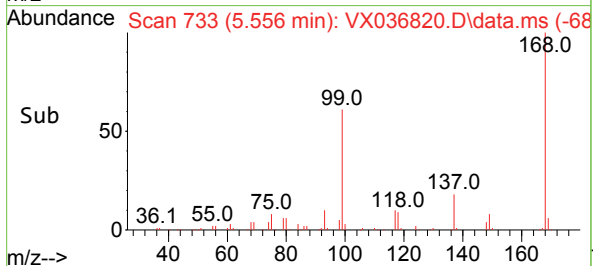
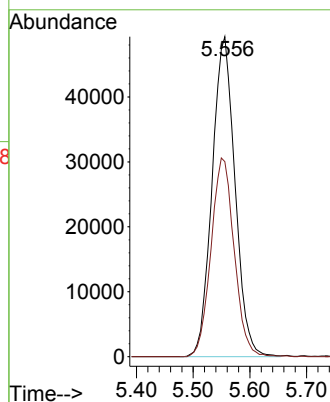
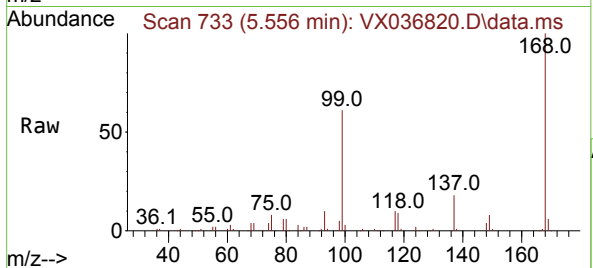




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

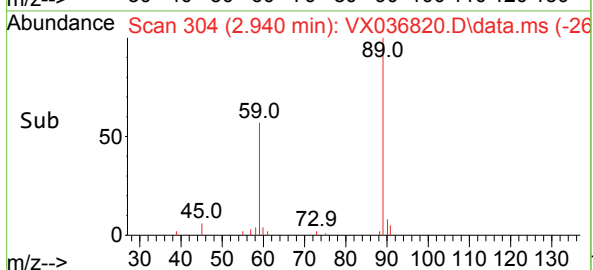
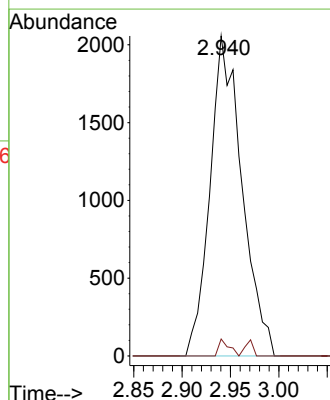
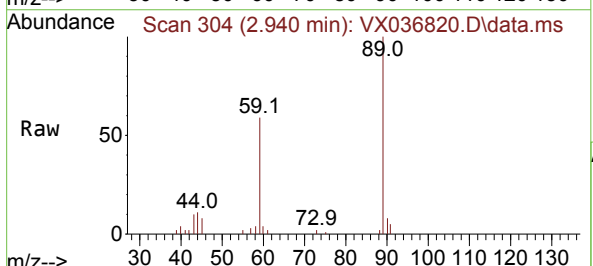
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP7

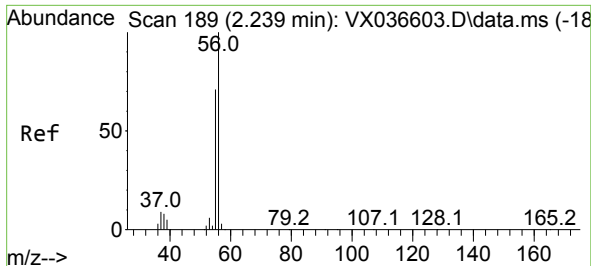
Tgt Ion:168 Resp: 138123
Ion Ratio Lower Upper
168 100
99 60.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 9.770 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Tgt Ion: 59 Resp: 4727
Ion Ratio Lower Upper
59 100
57 1.7 6.0 9.0#





#13

Acrolein

Concen: 0.583 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX036820.D

Acq: 04 Aug 2023 19:07

Instrument :

MSVOA_X

ClientSampleId :

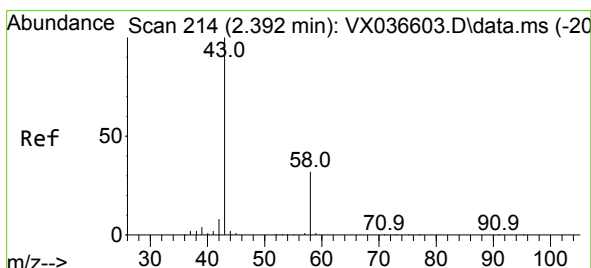
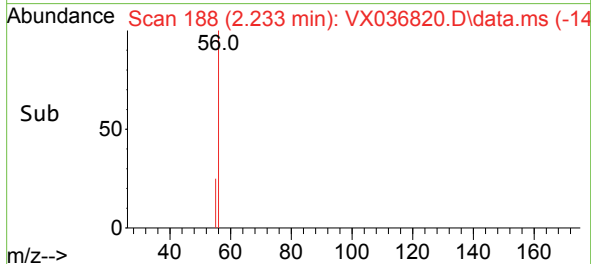
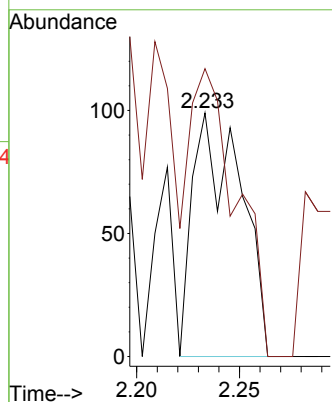
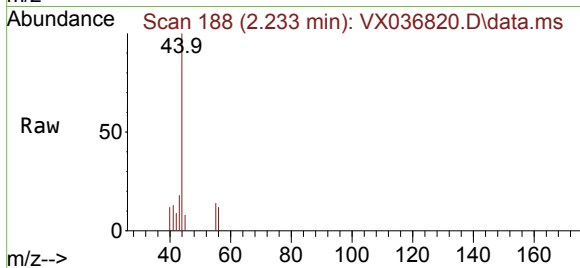
MCLEAN-TP7

Tgt Ion: 56 Resp: 161

Ion Ratio Lower Upper

56 100

55 114.9 57.1 85.7#



#16

Acetone

Concen: 38.603 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX036820.D

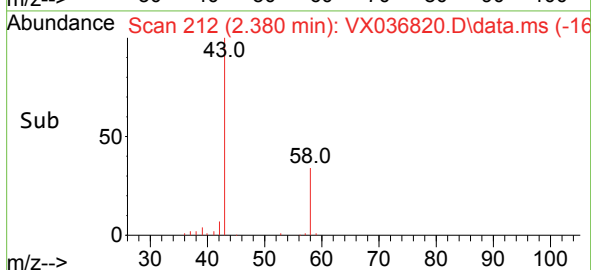
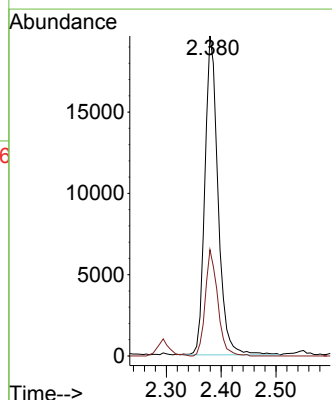
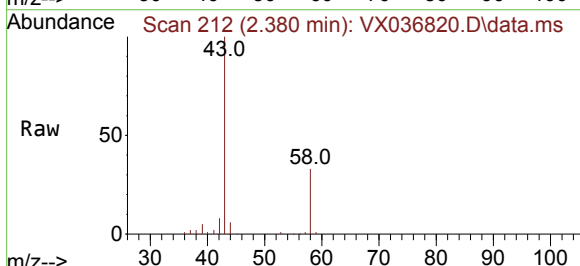
Acq: 04 Aug 2023 19:07

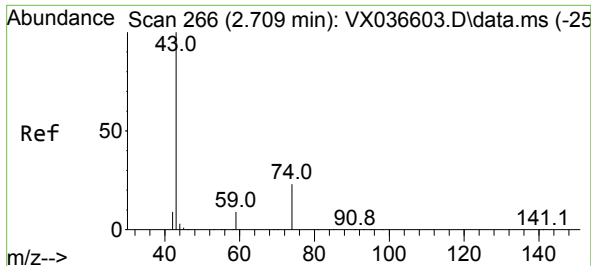
Tgt Ion: 43 Resp: 32738

Ion Ratio Lower Upper

43 100

58 33.3 21.9 32.9#

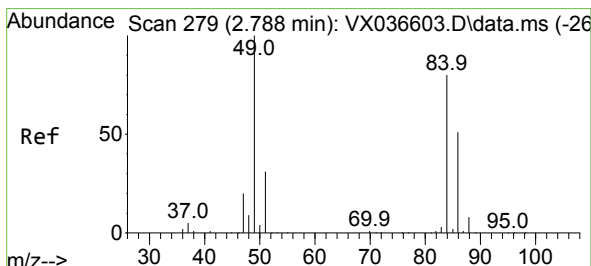
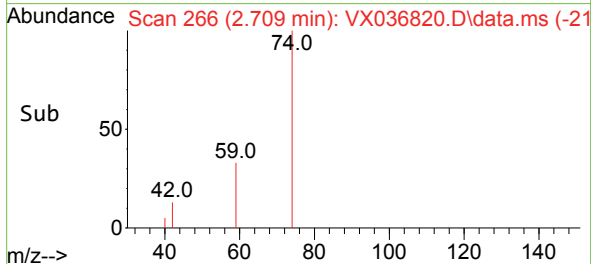
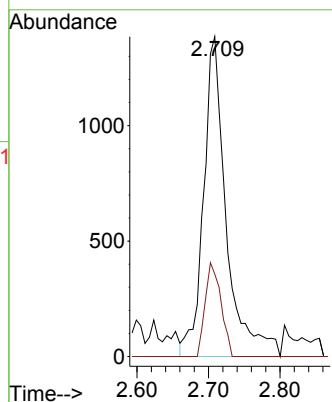
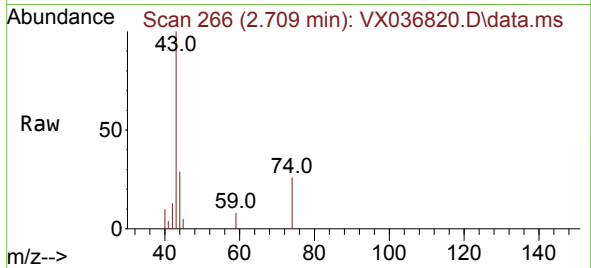




#18
Methyl Acetate
Concen: 0.857 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

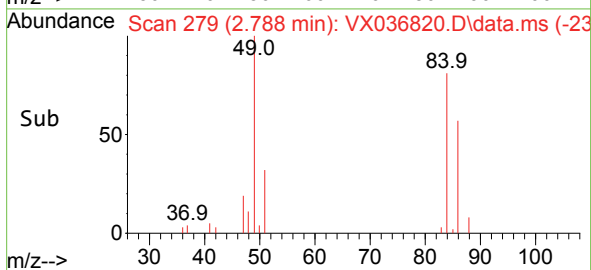
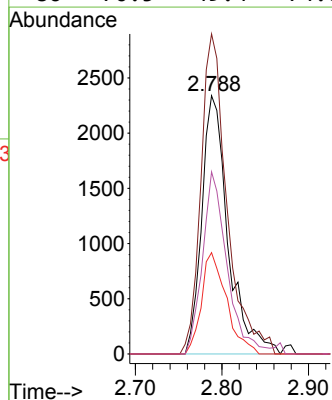
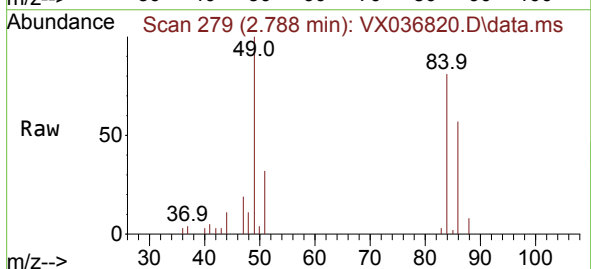
Instrument :
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MCLEAN-TP7

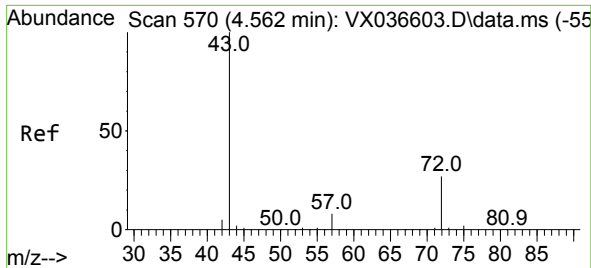
Tgt Ion: 43 Resp: 3056
Ion Ratio Lower Upper
43 100
74 20.4 17.8 26.8



#20
Methylene Chloride
Concen: 2.618 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Tgt Ion: 84 Resp: 4937
Ion Ratio Lower Upper
84 100
49 123.9 103.6 155.4
51 39.2 33.8 50.6
86 70.5 49.4 74.0

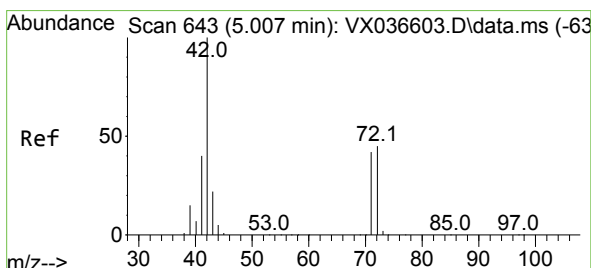
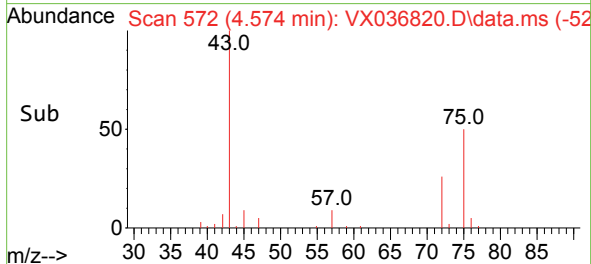
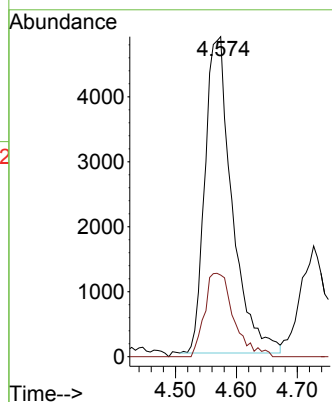
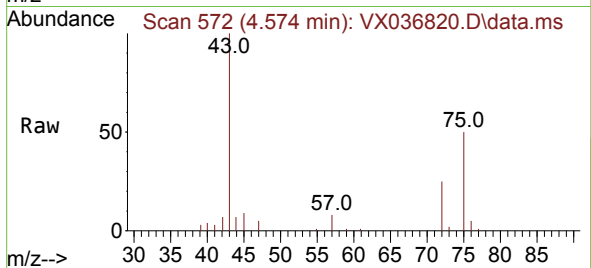




#25
2-Butanone
Concen: 10.929 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

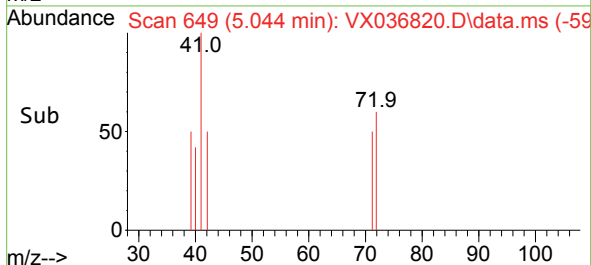
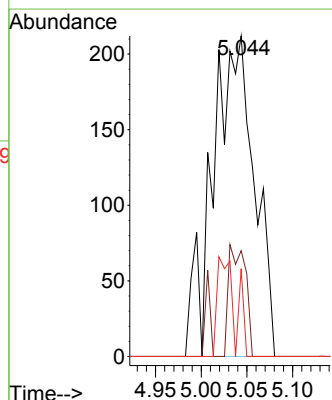
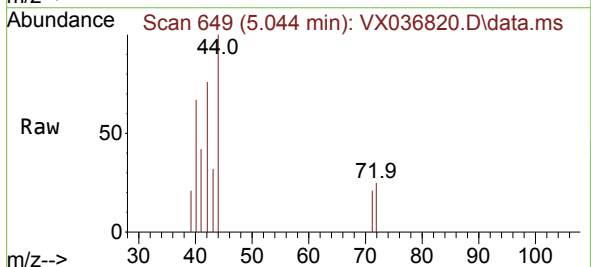
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP7

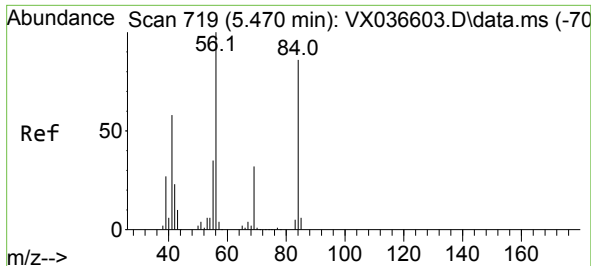
Tgt Ion: 43 Resp: 15038
Ion Ratio Lower Upper
43 100
72 25.8 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.762 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.037 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

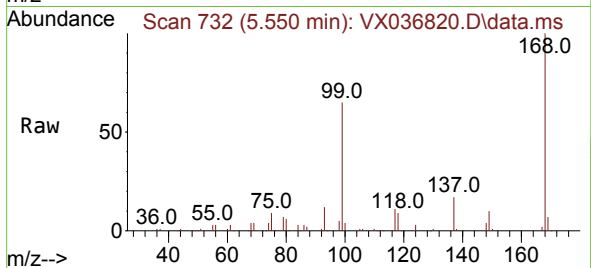
Tgt Ion: 42 Resp: 676
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



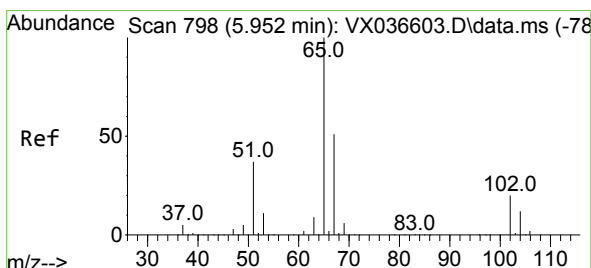
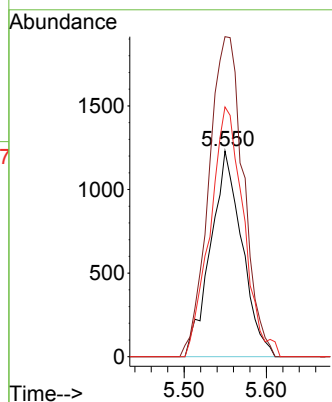
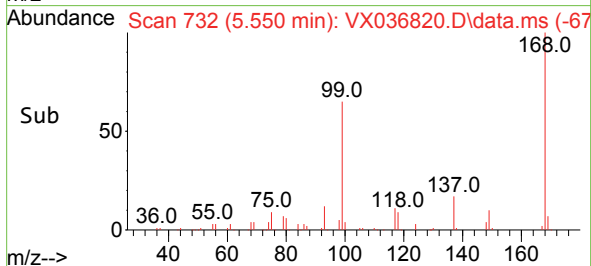


#31
Cyclohexane
Concen: 1.152 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Instrument :
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ClientSampleId :
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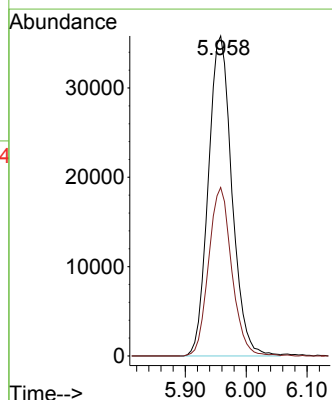
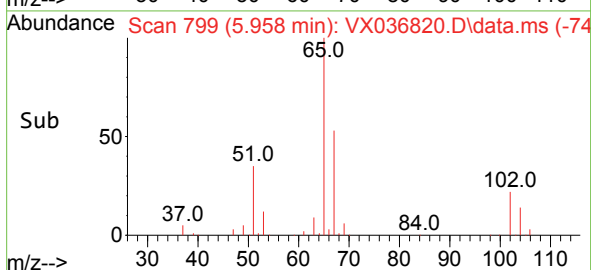
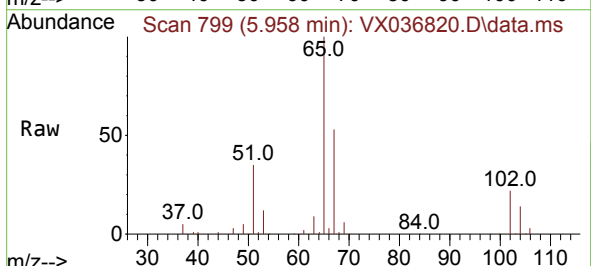


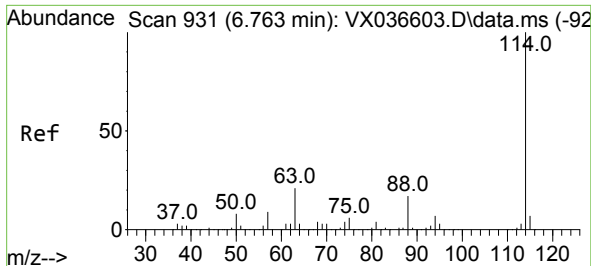
Tgt Ion: 56 Resp: 3260
Ion Ratio Lower Upper
56 100
69 155.6 23.4 35.2#
84 121.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.123 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Tgt Ion: 65 Resp: 96306
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

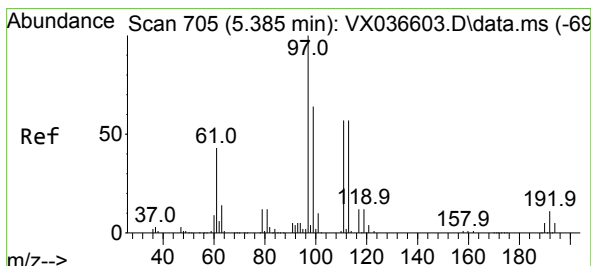
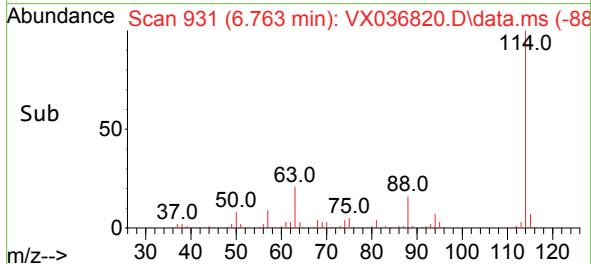
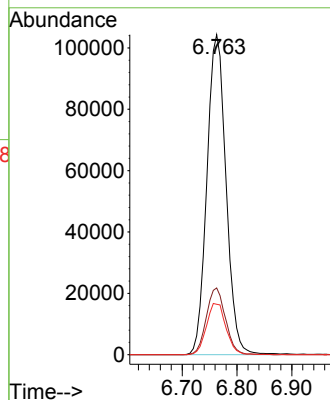
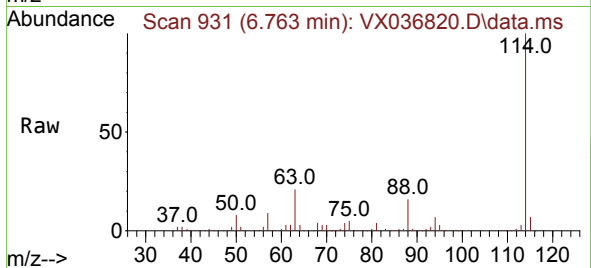




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

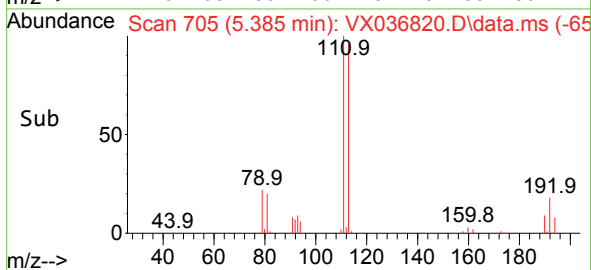
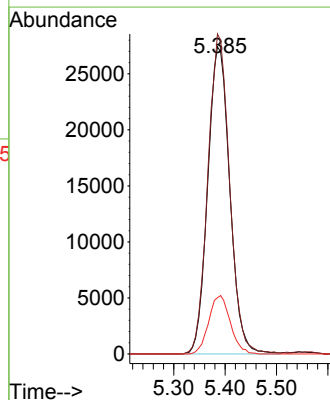
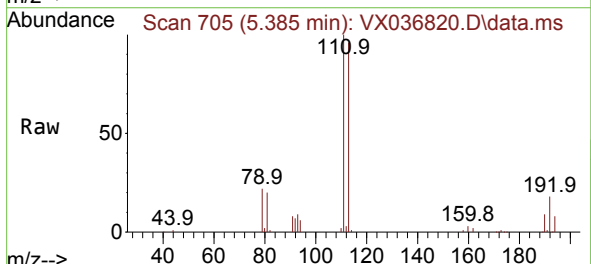
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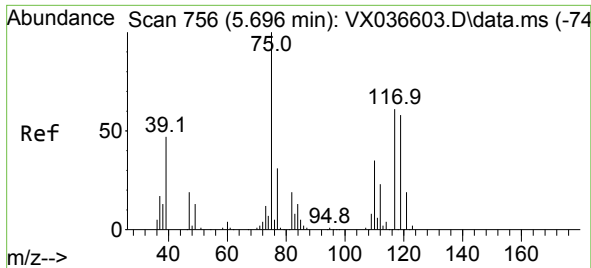
Tgt Ion:114 Resp: 252540
Ion Ratio Lower Upper
114 100
63 20.9 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.088 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Tgt Ion:113 Resp: 81737
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.6 13.3 19.9

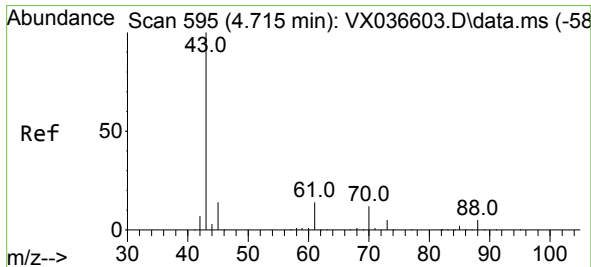
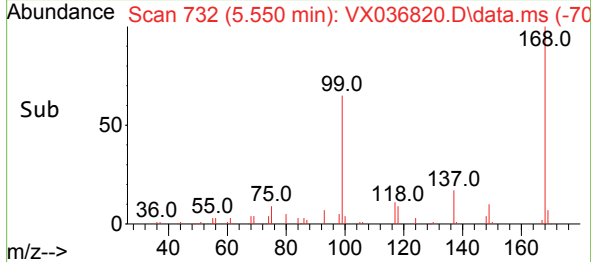
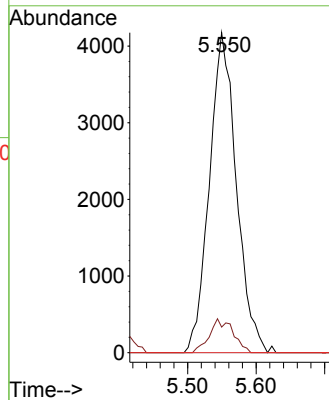
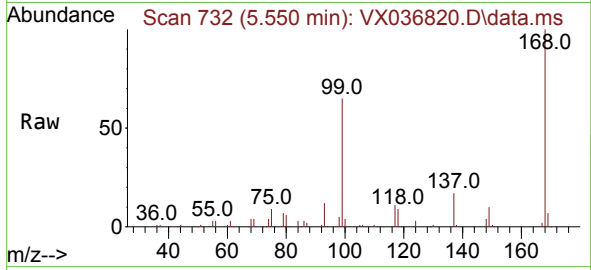




#36
1,1-Dichloropropene
Concen: 4.422 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

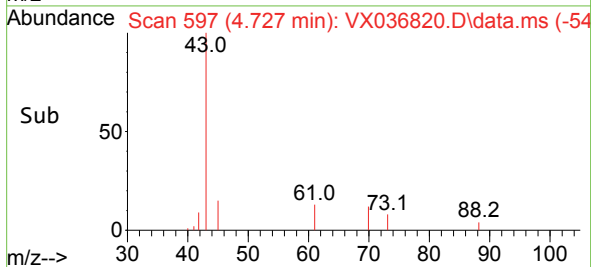
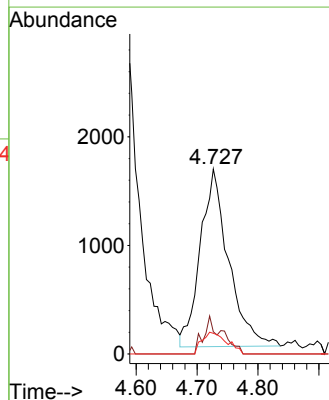
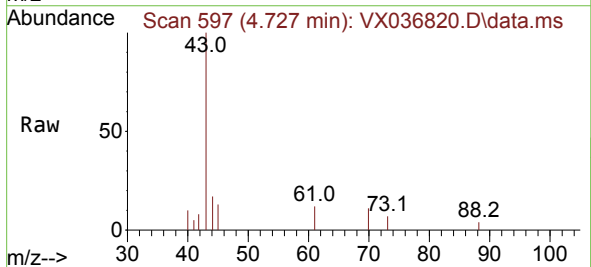
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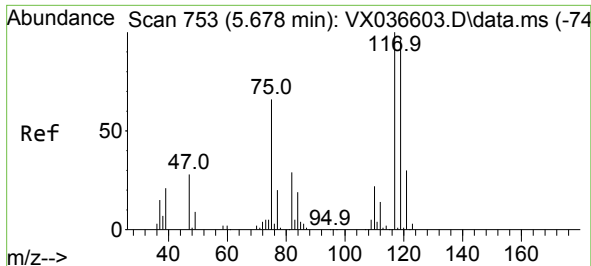
Tgt Ion: 75 Resp: 11440
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.802 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

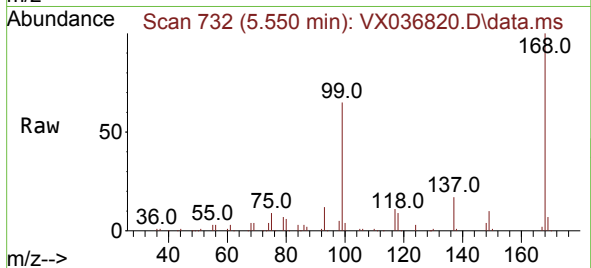
Tgt Ion: 43 Resp: 5276
Ion Ratio Lower Upper
43 100
61 8.4 10.6 16.0#
70 10.7 8.3 12.5



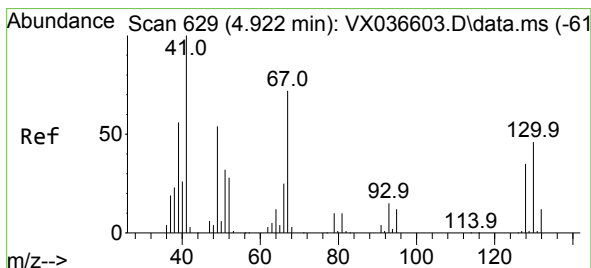
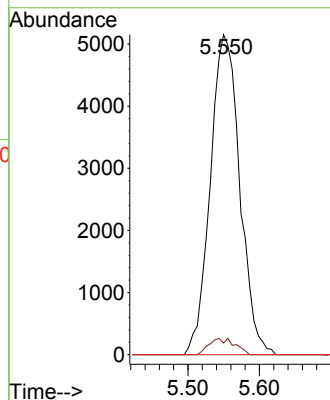
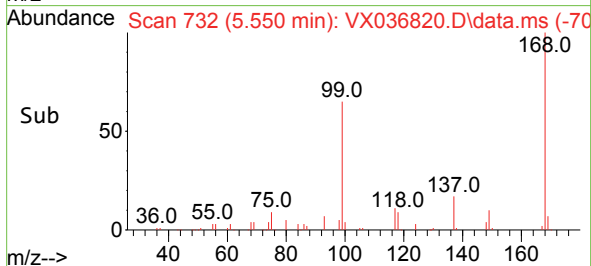


#38
Carbon Tetrachloride
Concen: 5.369 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP7

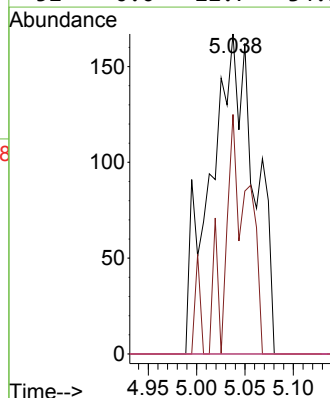
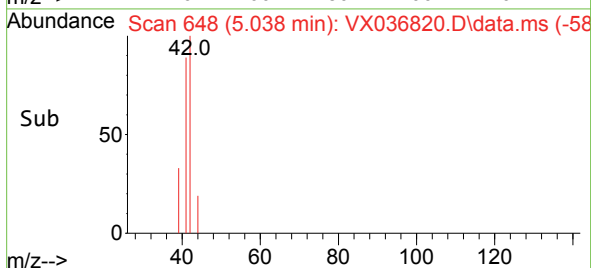
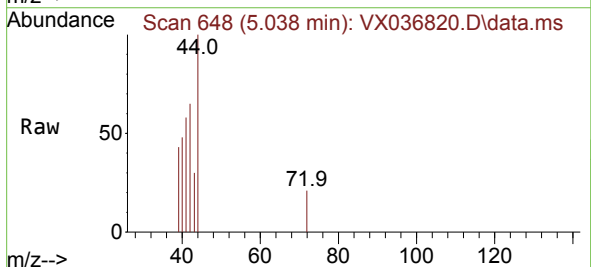


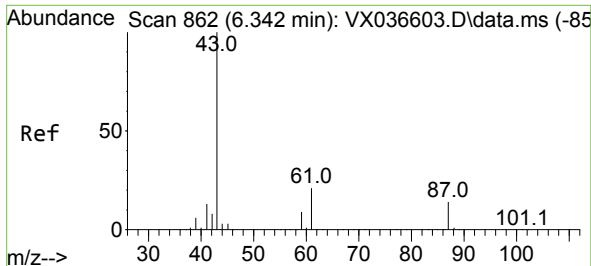
Tgt Ion:117 Resp: 14767
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.342 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Tgt Ion: 41 Resp: 535
Ion Ratio Lower Upper
41 100
39 38.5 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

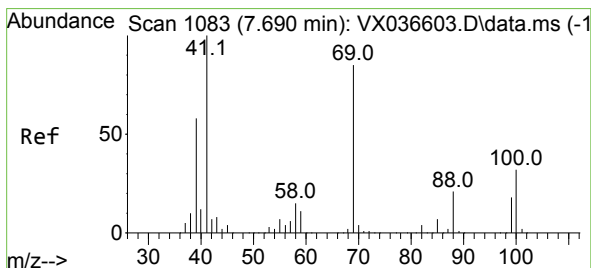
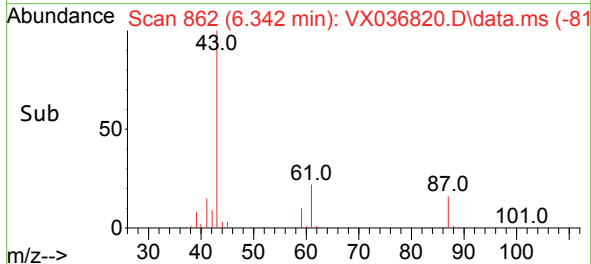
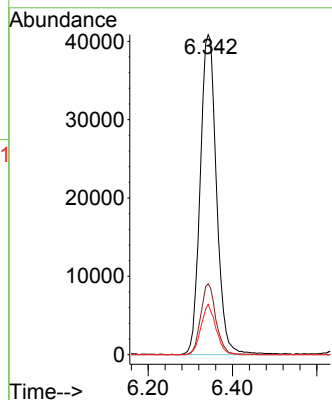
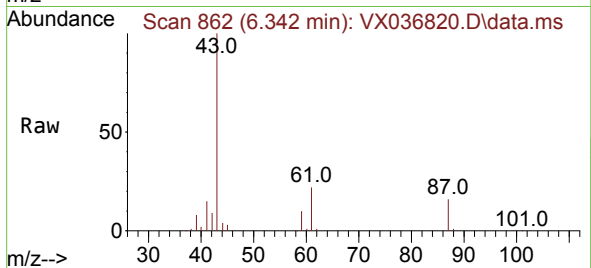




#43
Isopropyl Acetate
Concen: 21.826 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

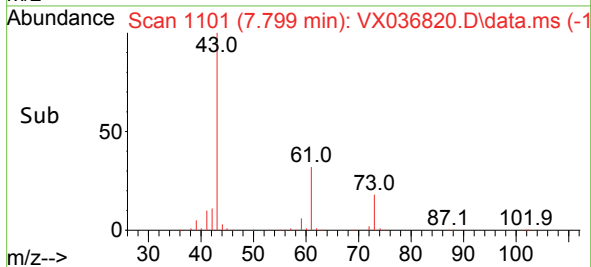
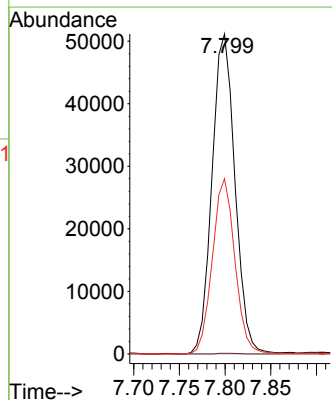
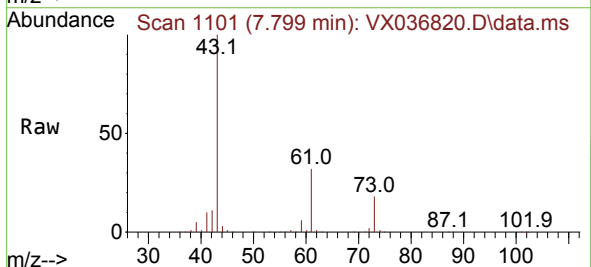
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP7

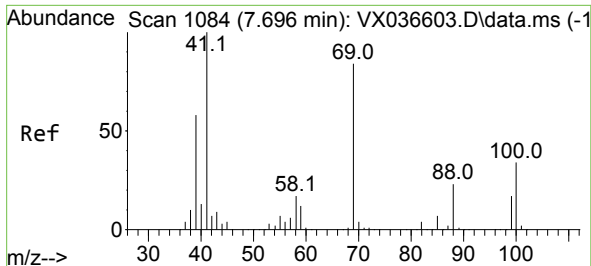
Tgt Ion: 43 Resp: 110022
Ion Ratio Lower Upper
43 100
61 20.7 15.2 22.8
87 14.4 9.8 14.6



#48
Methyl methacrylate
Concen: 38.101 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Tgt Ion: 41 Resp: 89317
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.8 47.7 71.5





#49

1,4-Dioxane

Concen: 3.125 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX036820.D

Acq: 04 Aug 2023 19:07

Instrument :

MSVOA_X

ClientSampleId :

MCLEAN-TP7

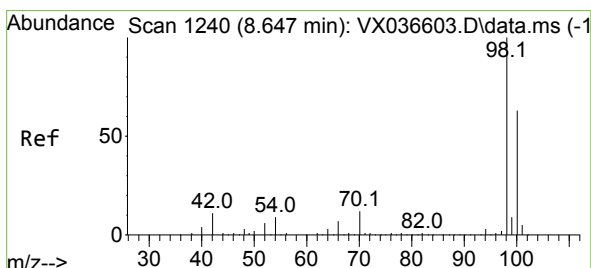
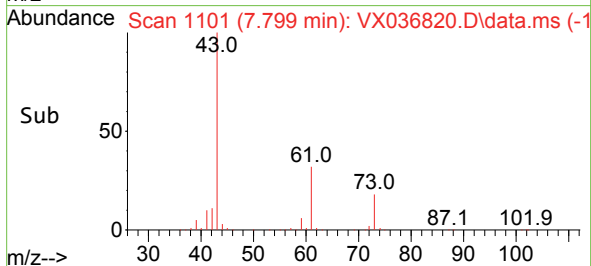
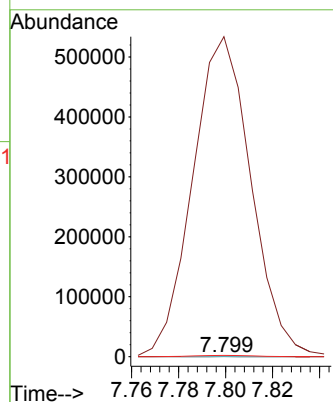
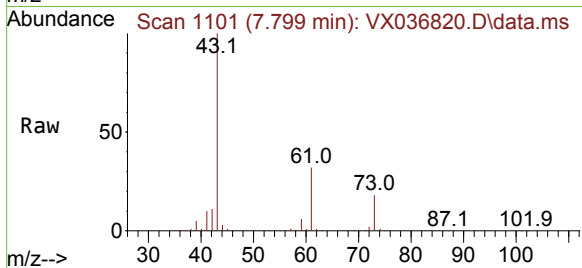
Tgt Ion: 88 Resp: 148

Ion Ratio Lower Upper

88 100

43 630004.7 0.0 0.0#

58 2588.5 60.1 90.1#



#50

Toluene-d8

Concen: 48.953 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX036820.D

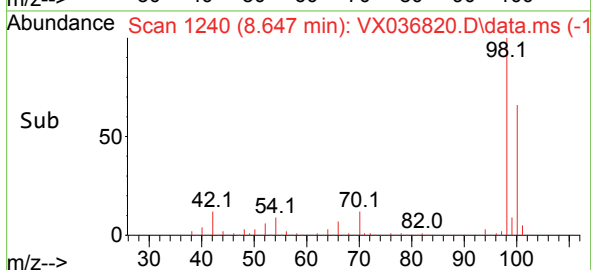
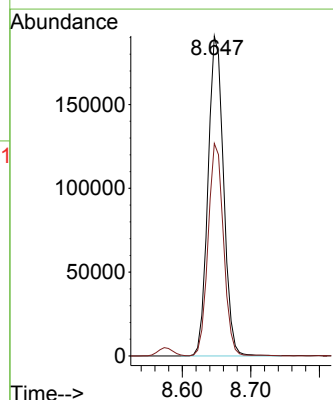
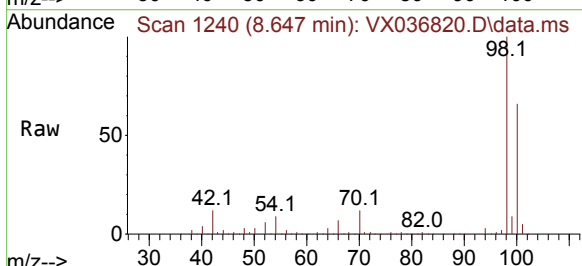
Acq: 04 Aug 2023 19:07

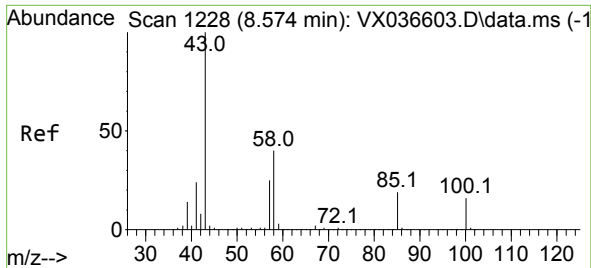
Tgt Ion: 98 Resp: 301338

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7

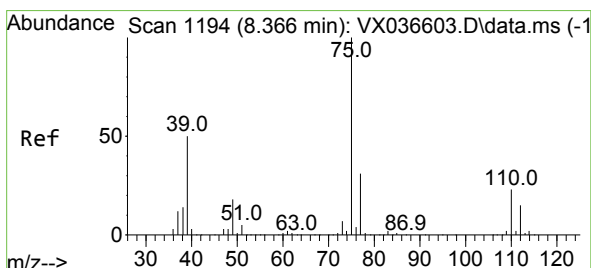
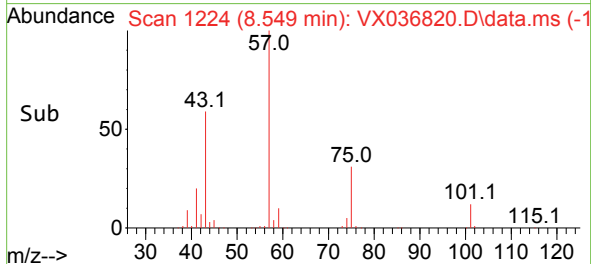
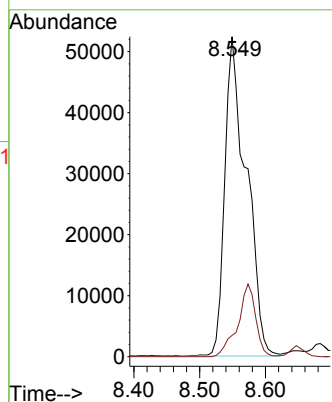
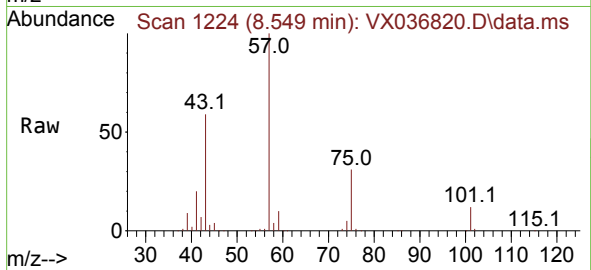




#51
4-Methyl-2-Pentanone
Concen: 42.916 ug/l
RT: 8.549 min Scan# 119714
Delta R.T. -0.024 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

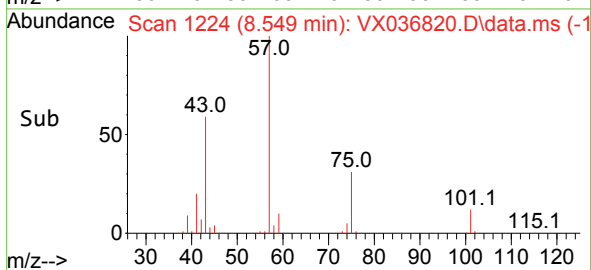
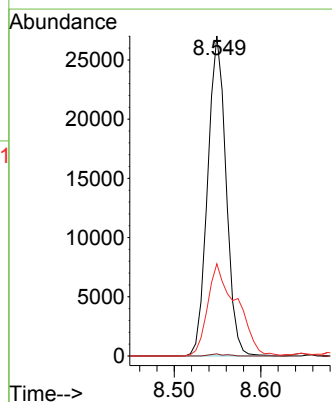
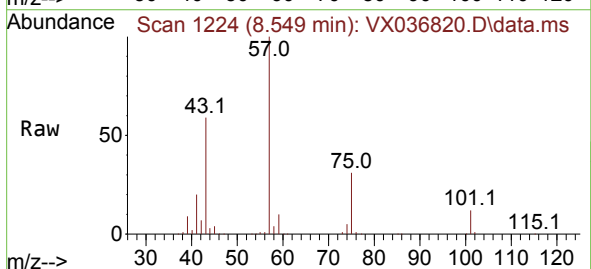
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP7

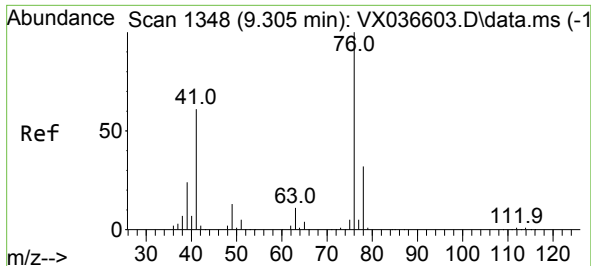
Tgt Ion: 43 Resp: 119714
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 11.602 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Tgt Ion: 75 Resp: 39949
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 28.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.480 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX036820.D

Acq: 04 Aug 2023 19:07

Instrument :

MSVOA_X

ClientSampleId :

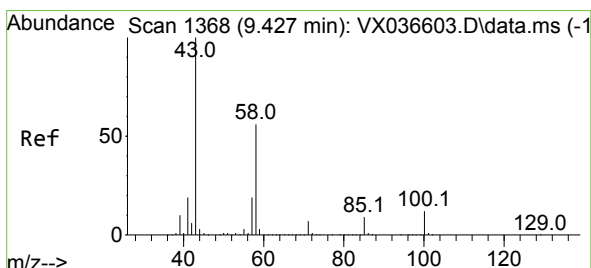
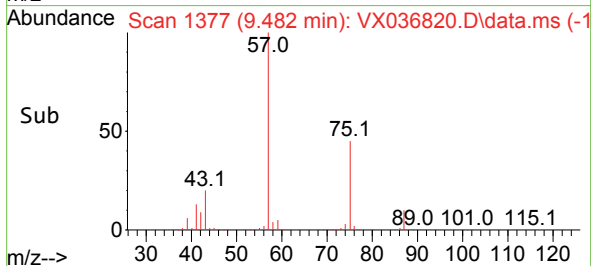
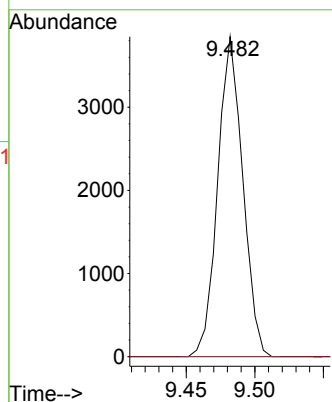
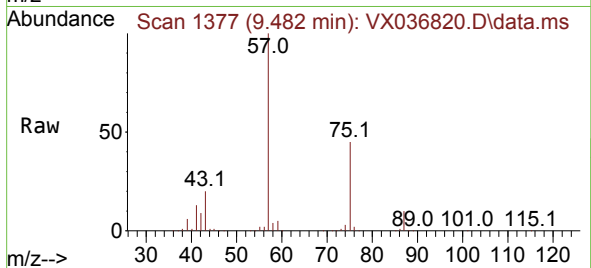
MCLEAN-TP7

Tgt Ion: 76 Resp: 4888

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 44.393 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036820.D

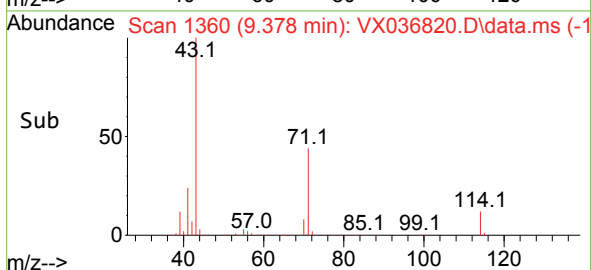
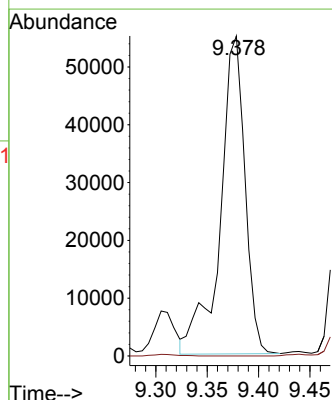
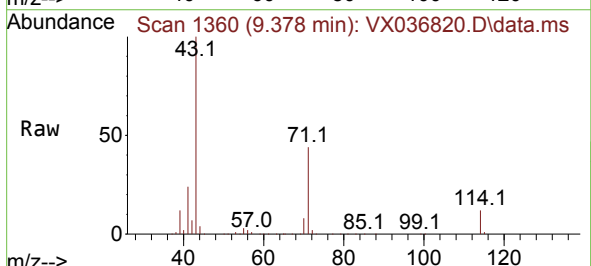
Acq: 04 Aug 2023 19:07

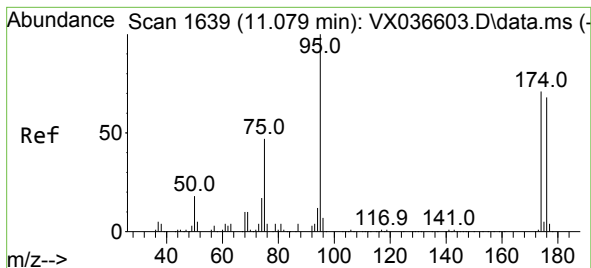
Tgt Ion: 43 Resp: 91906

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

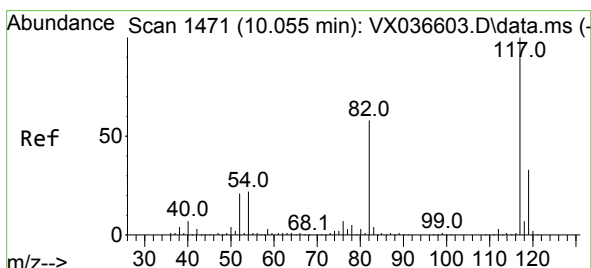
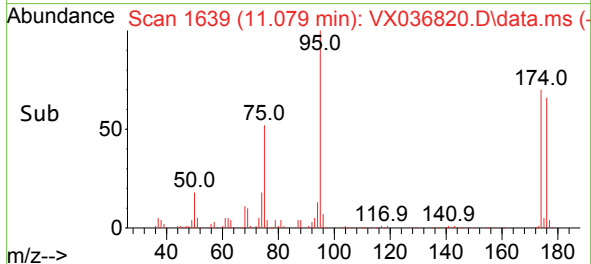
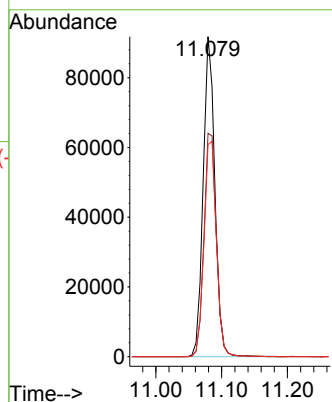
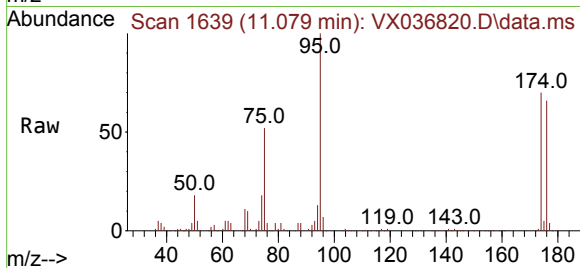




#62
4-Bromofluorobenzene
Concen: 48.827 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

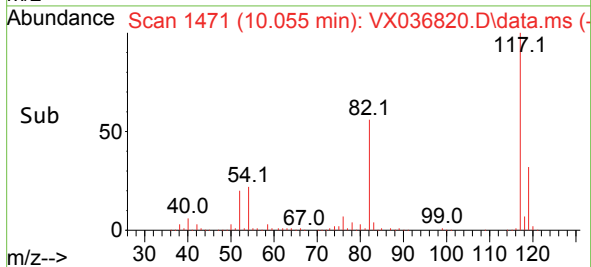
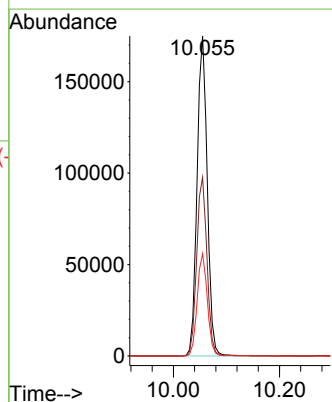
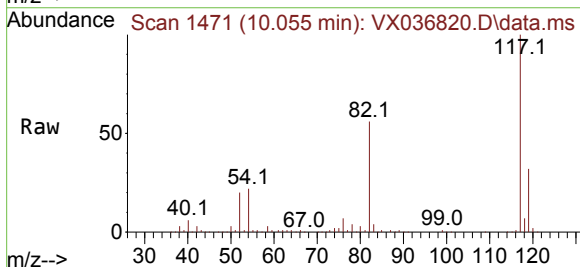
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP7

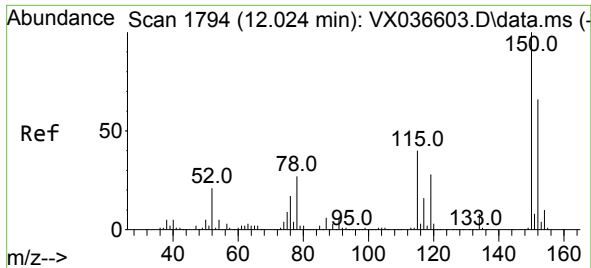
Tgt Ion: 95 Resp: 113397
Ion Ratio Lower Upper
95 100
174 73.8 0.0 135.6
176 71.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Tgt Ion: 117 Resp: 233248
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.0 25.5 38.3

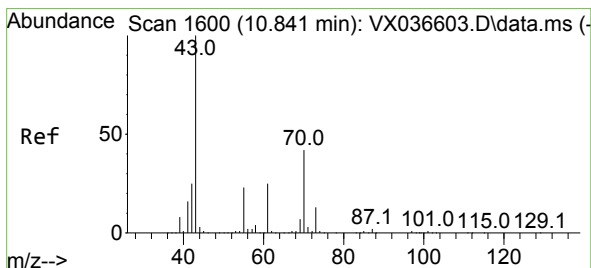
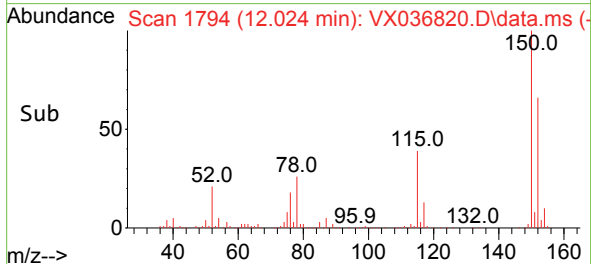
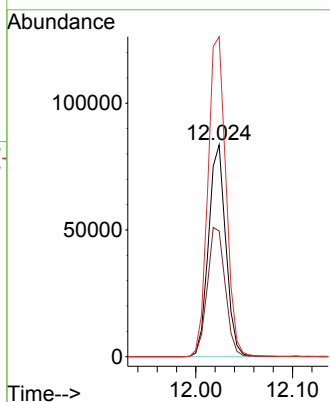
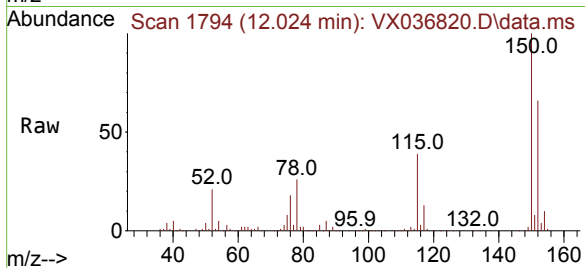




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

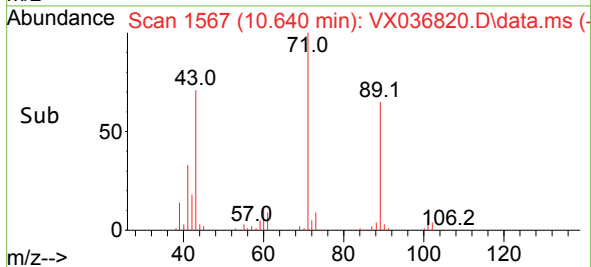
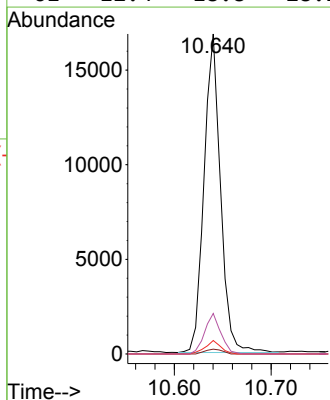
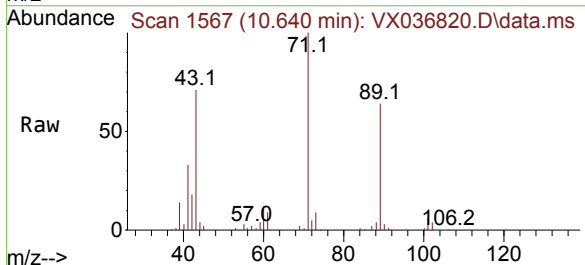
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP7

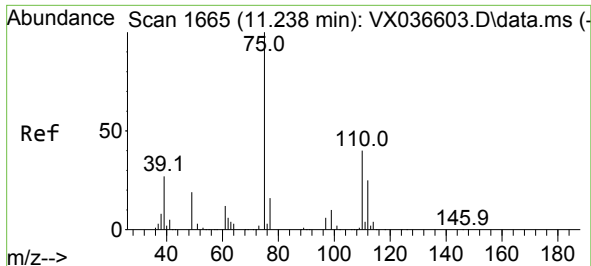
Tgt Ion:152 Resp: 104030
Ion Ratio Lower Upper
152 100
115 63.6 43.3 129.9
150 157.5 0.0 345.0



#74
N-ethyl acetate
Concen: 4.978 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Tgt Ion: 43 Resp: 19985
Ion Ratio Lower Upper
43 100
70 1.6 32.9 49.3#
55 4.0 19.3 28.9#
61 12.4 18.8 28.2#

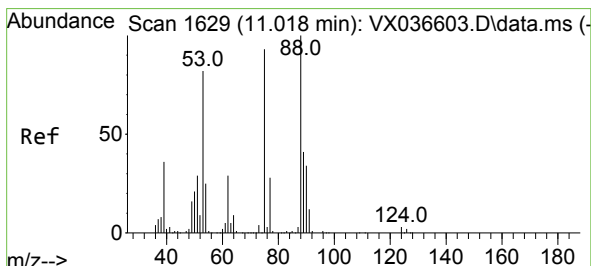
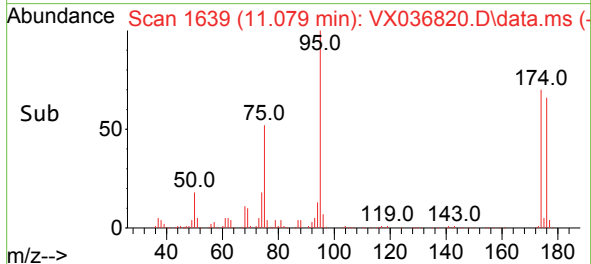
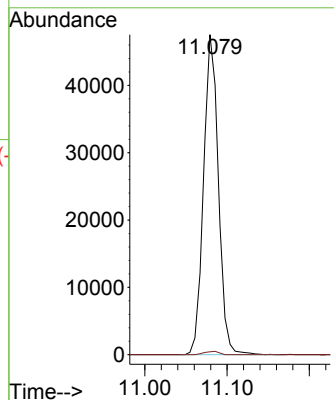
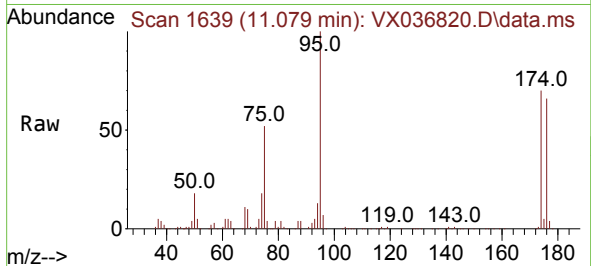




#76
1,2,3-Trichloropropane
Concen: 24.305 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP7

Tgt Ion: 75 Resp: 59471
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.088 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036820.D
Acq: 04 Aug 2023 19:07

Tgt Ion: 75 Resp: 59471
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

