

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
 Data File : VX036846.D
 Acq On : 07 Aug 2023 18:53
 Operator : JC/MD
 Sample : 03887-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP2

Quant Time: Aug 08 01:40:24 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)

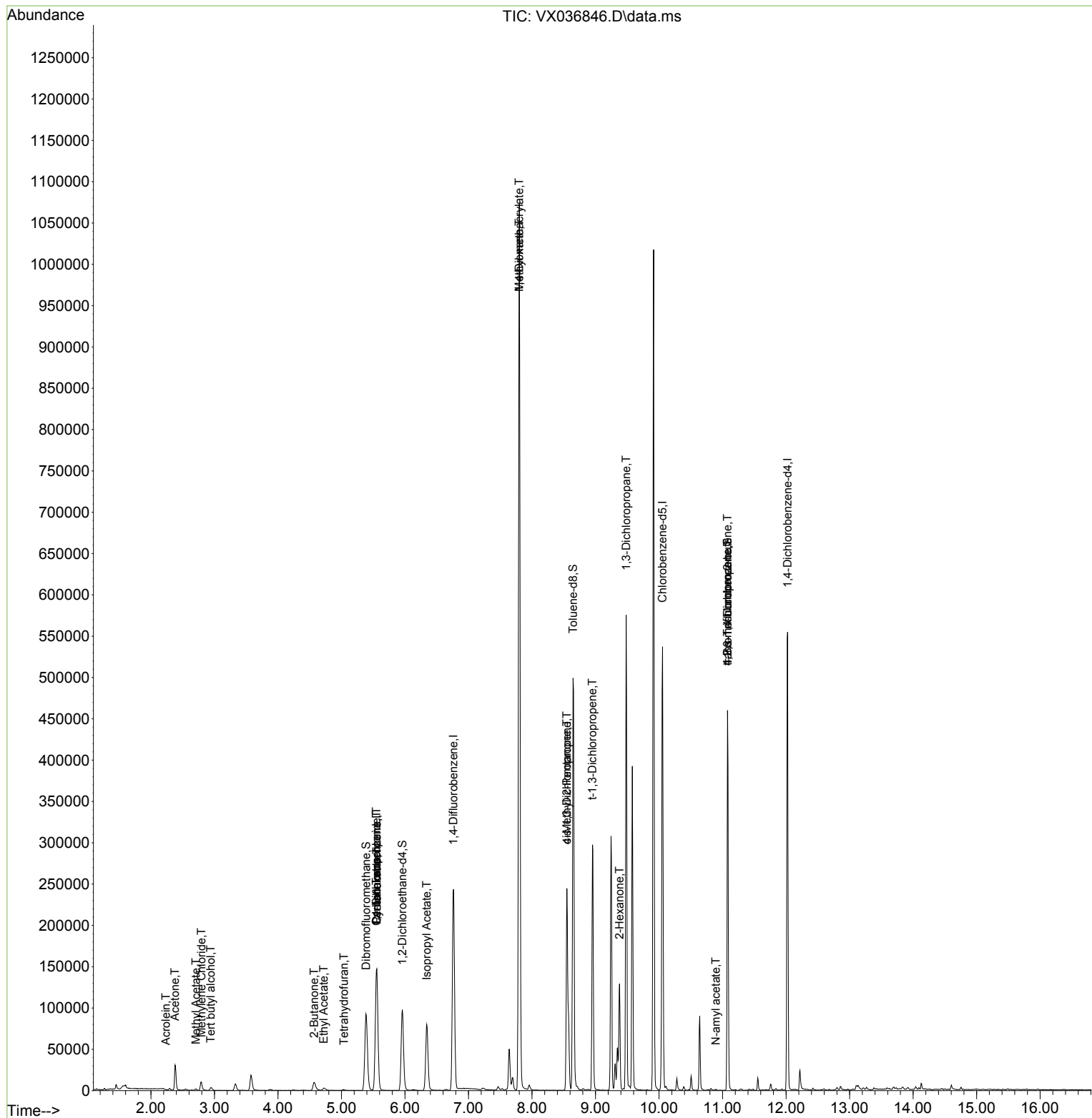
Internal Standards						
1) Pentafluorobenzene	5.556	168	138228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	254963	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	241138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96853	47.354	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.700%		
35) Dibromofluoromethane	5.385	113	81573	46.547	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.100%		
50) Toluene-d8	8.647	98	305852	49.215	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.420%		
62) 4-Bromofluorobenzene	11.079	95	120789	51.516	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.040%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.941	59	2234	4.614	ug/l #	82
13) Acrolein	2.233	56	69	0.250	ug/l #	1
16) Acetone	2.380	43	33251	39.178	ug/l #	89
18) Methyl Acetate	2.709	43	2151	0.602	ug/l	94
20) Methylene Chloride	2.794	84	5627	2.981	ug/l	91
25) 2-Butanone	4.568	43	15925	11.565	ug/l	95
29) Tetrahydrofuran	5.038	42	737	0.830	ug/l #	48
31) Cyclohexane	5.556	56	3111	1.099	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11259	4.310	ug/l #	51
37) Ethyl Acetate	4.721	43	5100	1.725	ug/l	98
38) Carbon Tetrachloride	5.550	117	15012	5.406	ug/l #	15
43) Isopropyl Acetate	6.342	43	110433	21.700	ug/l #	94
48) Methyl methacrylate	7.799	41	89204	37.691	ug/l #	48
49) 1,4-Dioxane	7.799	88	153	3.200	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	121066	42.988	ug/l #	37
53) t-1,3-Dichloropropene	8.952	75	702	0.213	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	40956	11.781	ug/l #	52
57) 1,3-Dichloropropane	9.482	76	4914	1.474	ug/l #	42
59) 2-Hexanone	9.378	43	94041	44.992	ug/l #	26
74) N-amyl acetate	10.896	43	1149	0.261	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	63654	23.751	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	63654	53.833	ug/l #	5

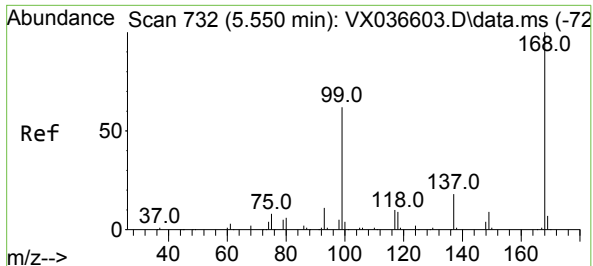
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 01:40:24 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

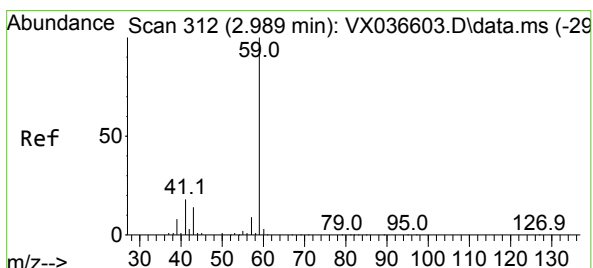
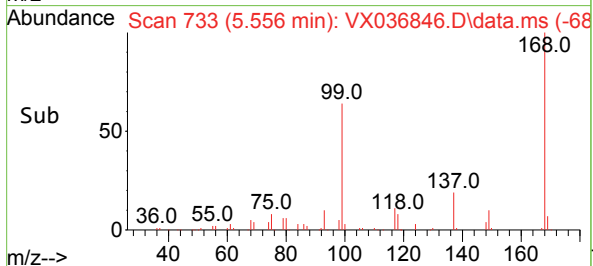
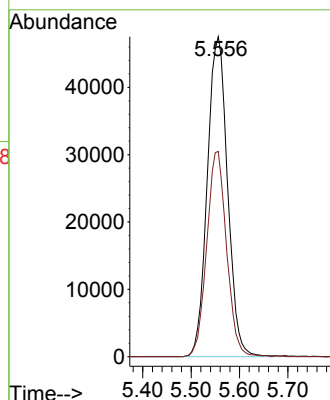
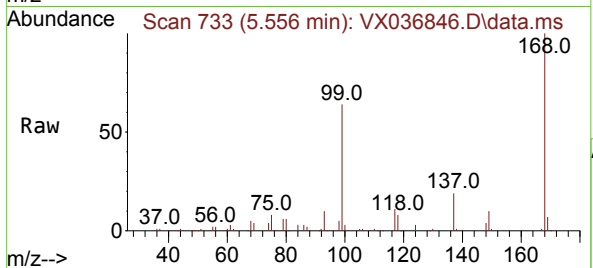




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

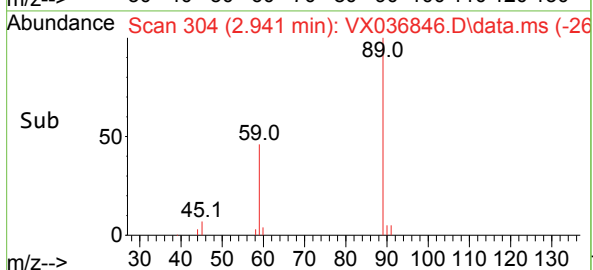
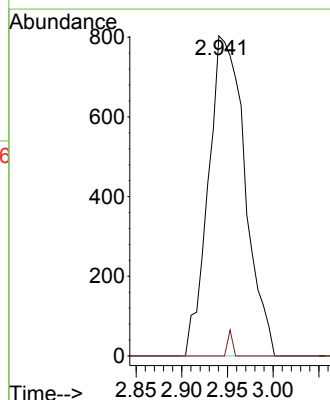
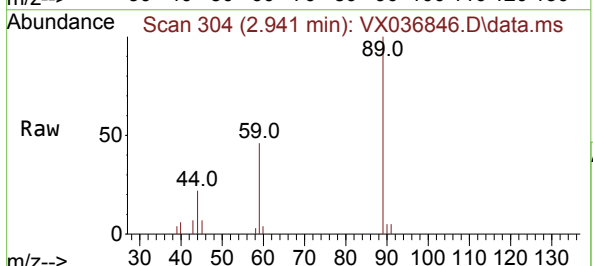
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP2

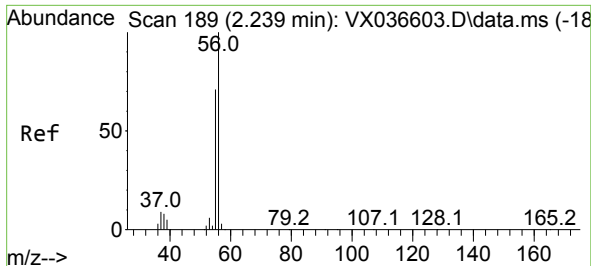
Tgt Ion:168 Resp: 138228
Ion Ratio Lower Upper
168 100
99 64.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 4.614 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

Tgt Ion: 59 Resp: 2234
Ion Ratio Lower Upper
59 100
57 1.1 6.0 9.0#

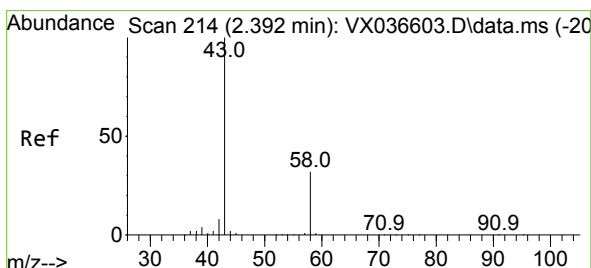
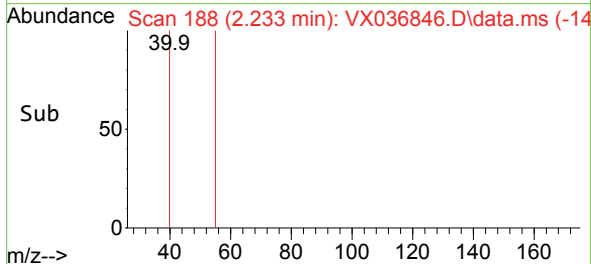
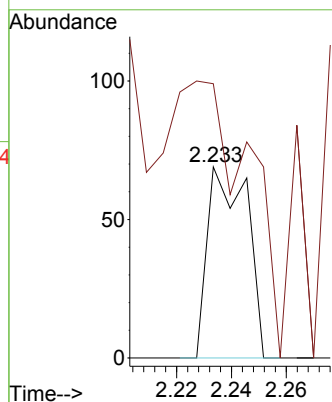
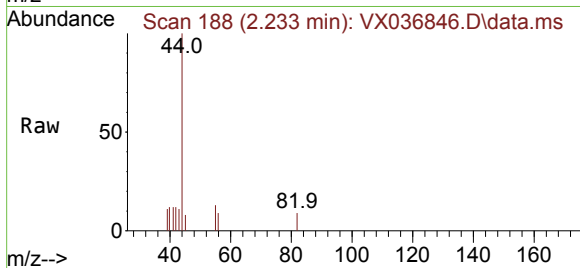




#13
Acrolein
Concen: 0.250 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

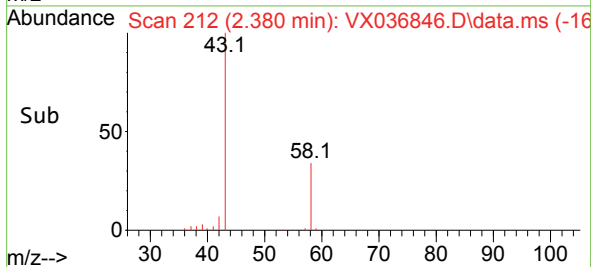
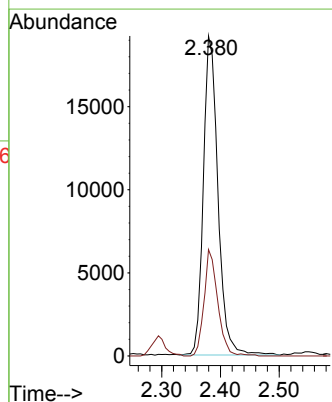
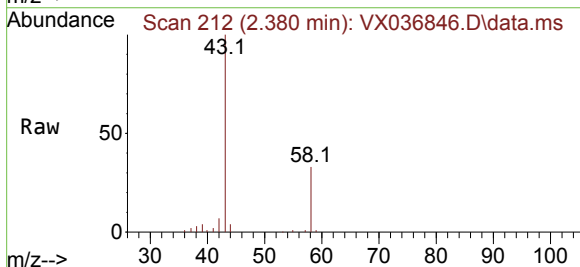
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP2

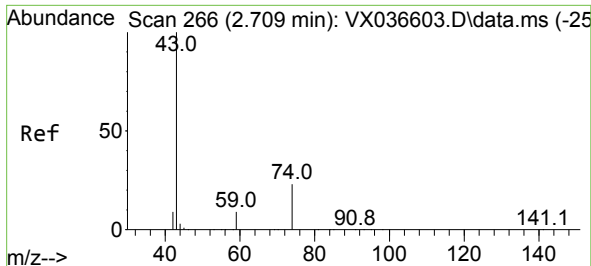
Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 265.2 57.1 85.7#



#16
Acetone
Concen: 39.178 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

Tgt Ion: 43 Resp: 33251
Ion Ratio Lower Upper
43 100
58 33.3 21.9 32.9#

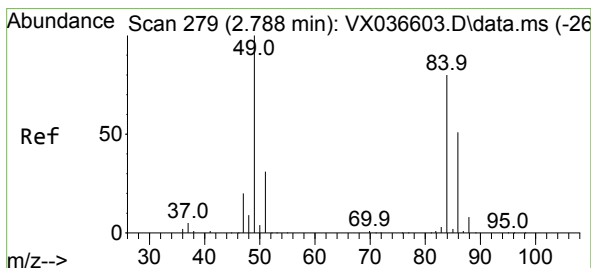
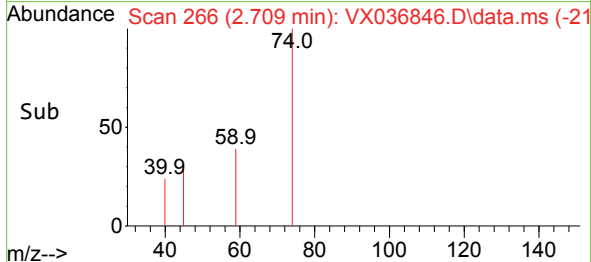
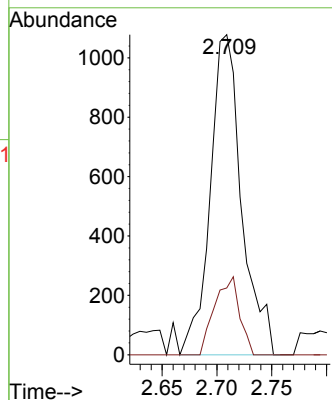
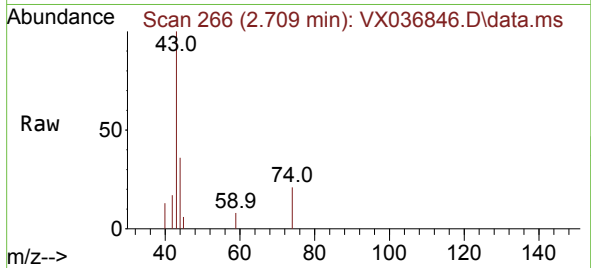




#18
Methyl Acetate
Concen: 0.602 ug/l
RT: 2.709 min Scan# 2151
Delta R.T. 0.000 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

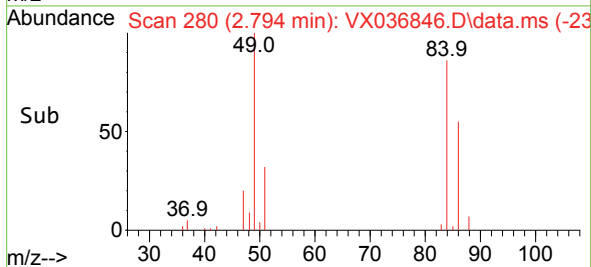
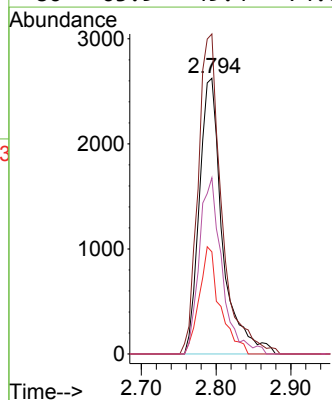
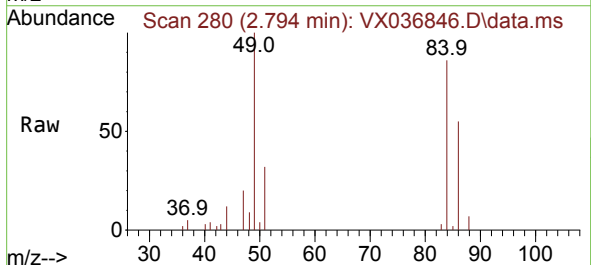
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP2

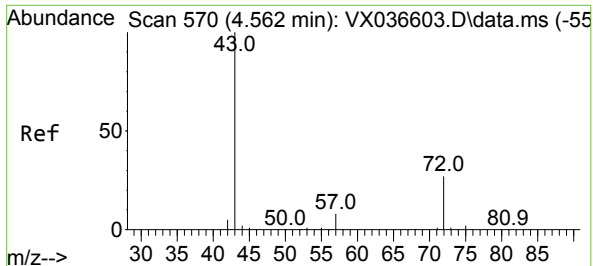
Tgt Ion: 43 Resp: 2151
Ion Ratio Lower Upper
43 100
74 19.2 17.8 26.8



#20
Methylene Chloride
Concen: 2.981 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

Tgt Ion: 84 Resp: 5627
Ion Ratio Lower Upper
84 100
49 116.1 103.6 155.4
51 37.0 33.8 50.6
86 63.9 49.4 74.0

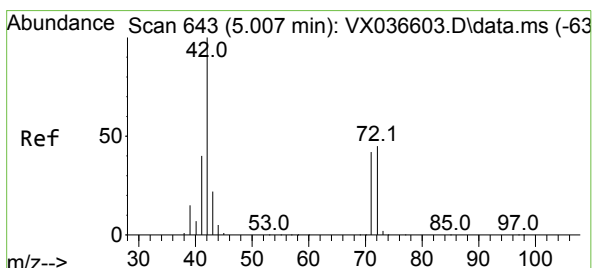
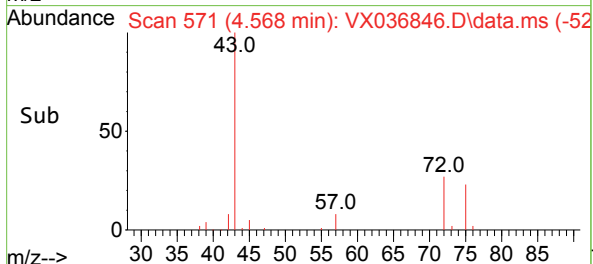
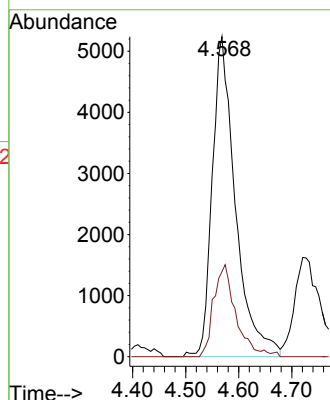
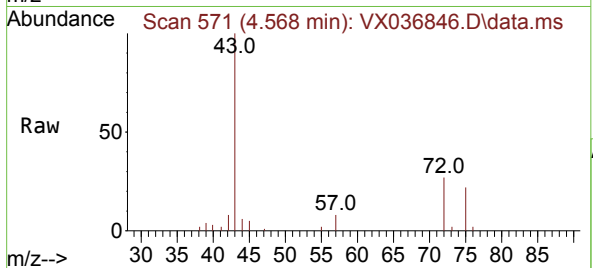




#25
2-Butanone
Concen: 11.565 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

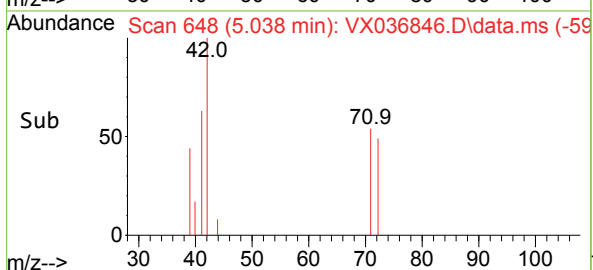
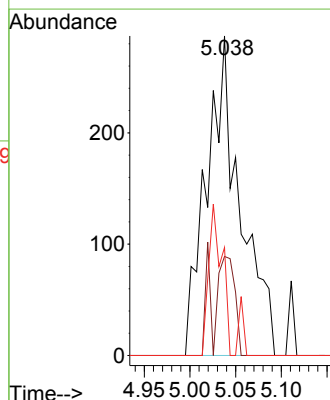
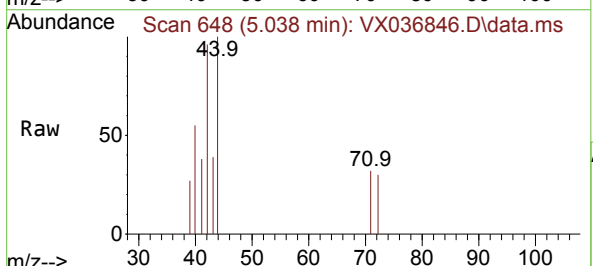
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP2

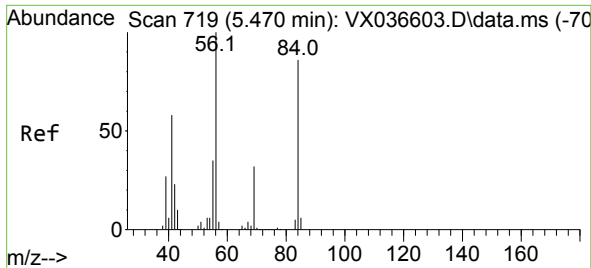
Tgt Ion: 43 Resp: 15925
Ion Ratio Lower Upper
43 100
72 26.6 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.830 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

Tgt Ion: 42 Resp: 737
Ion Ratio Lower Upper
42 100
72 15.2 34.2 51.4#
71 2.6 32.2 48.2#

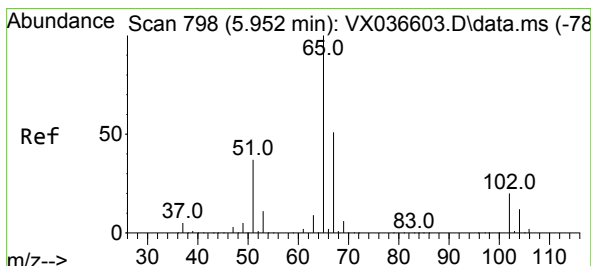
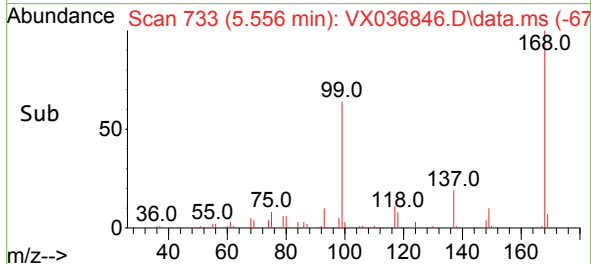
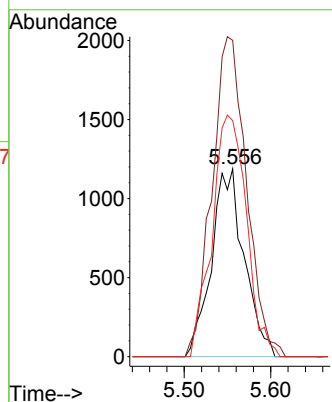
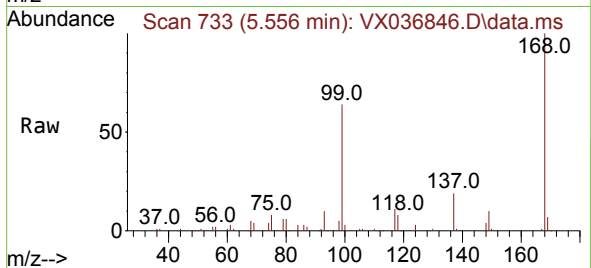




#31
Cyclohexane
Concen: 1.099 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

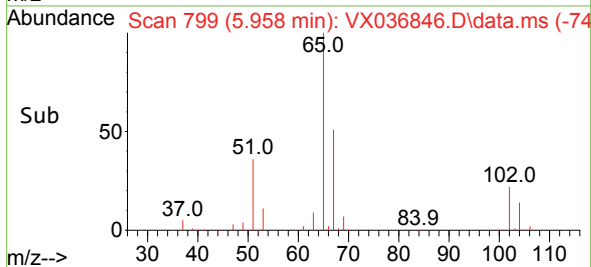
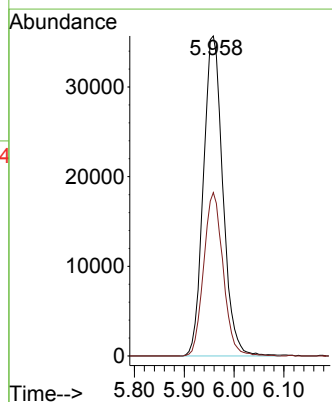
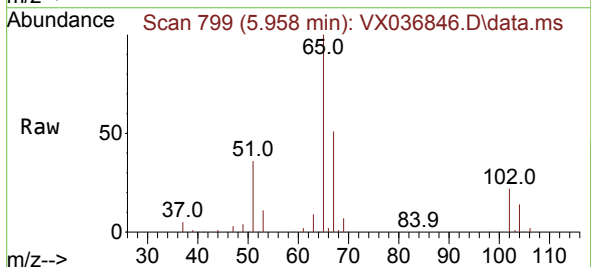
Instrument :
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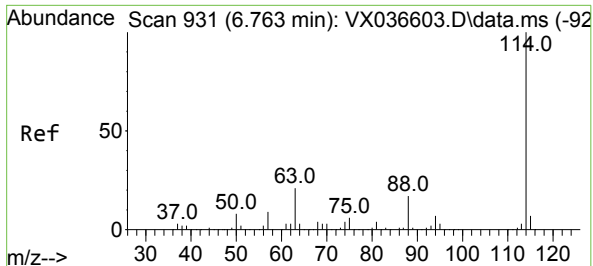
Tgt Ion: 56 Resp: 3111
Ion Ratio Lower Upper
56 100
69 168.4 23.4 35.2#
84 125.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.354 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

Tgt Ion: 65 Resp: 96853
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2

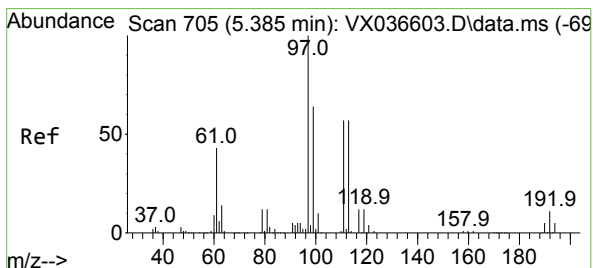
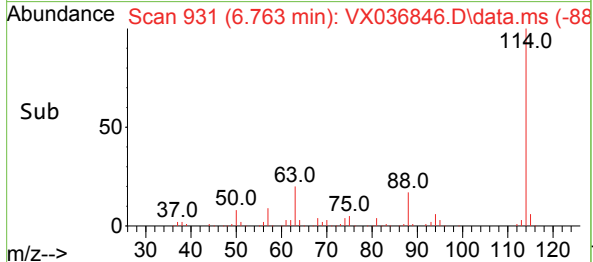
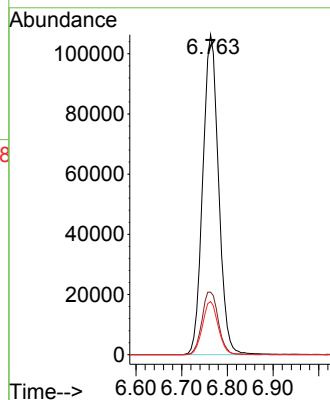
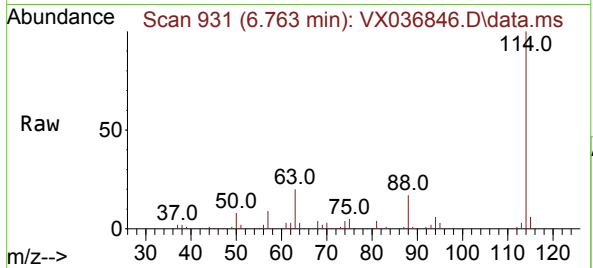




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

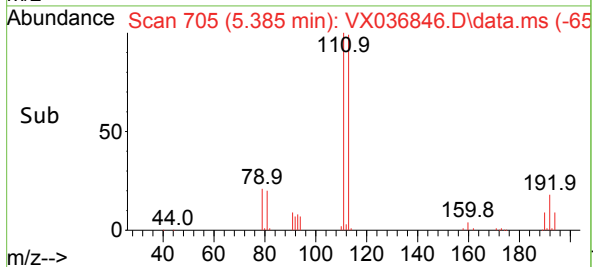
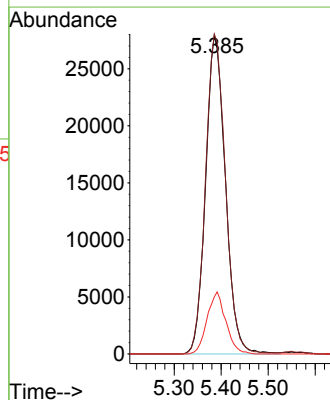
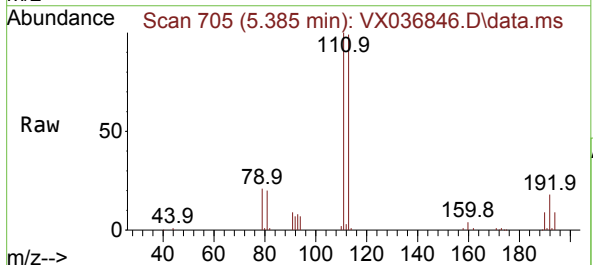
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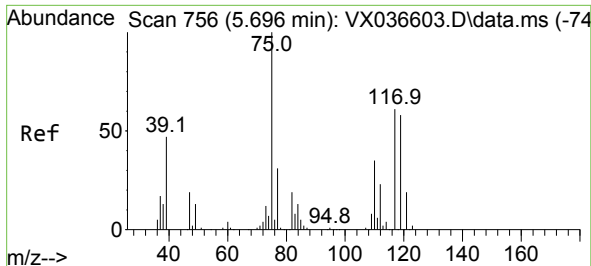
Tgt Ion:114 Resp: 254963
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.547 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

Tgt Ion:113 Resp: 81573
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 18.4 13.3 19.9

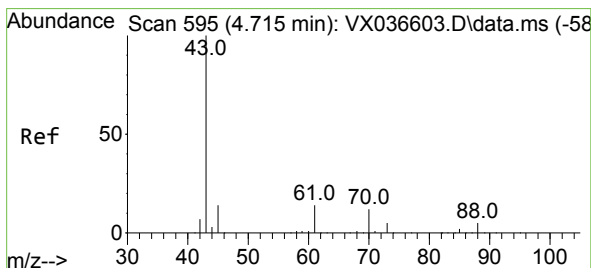
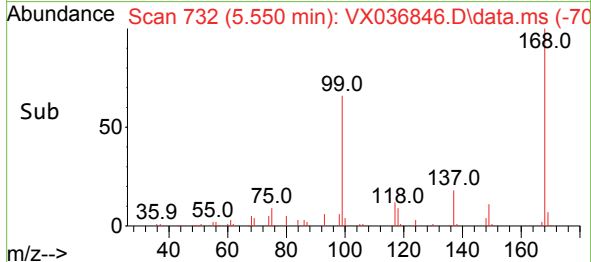
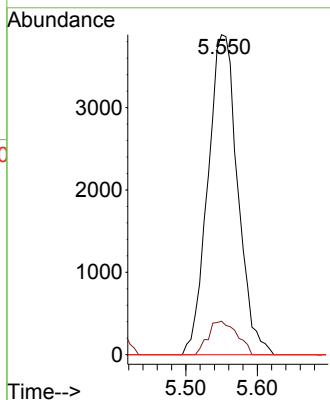
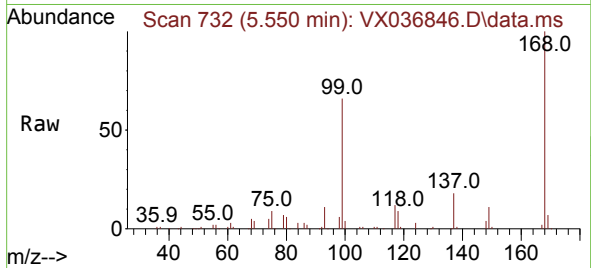




#36
1,1-Dichloropropene
Concen: 4.310 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

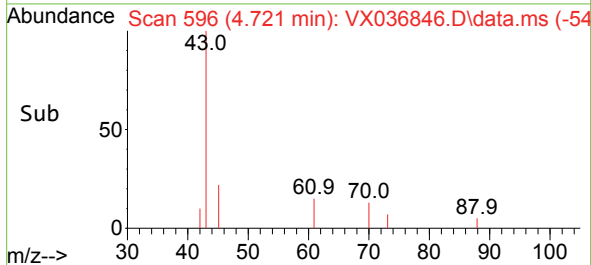
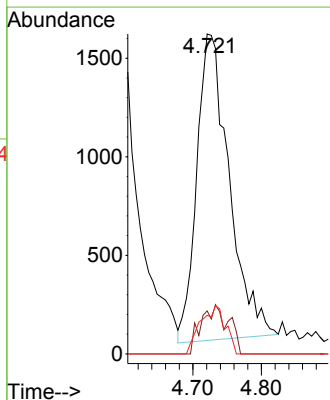
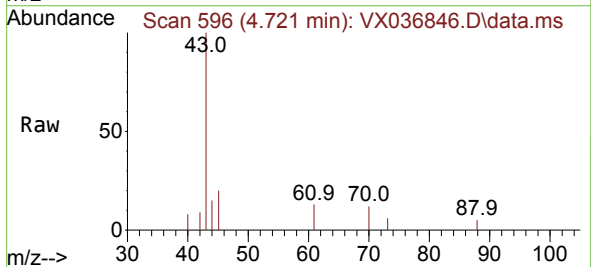
Instrument :
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ClientSampleId :
MCLEAN-TP2

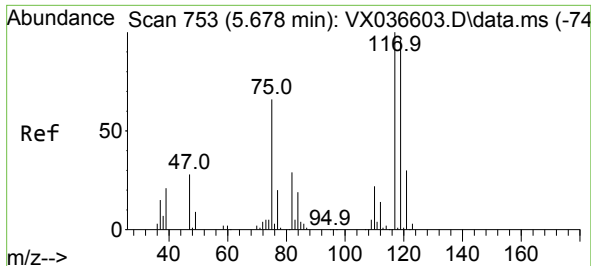
Tgt Ion: 75 Resp: 11259
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.725 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

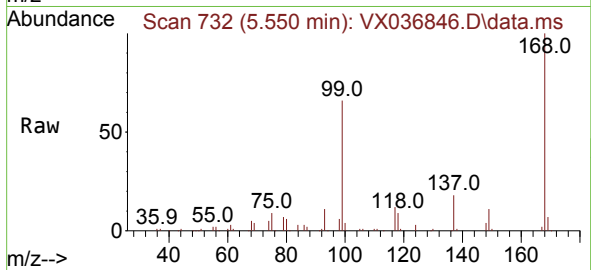
Tgt Ion: 43 Resp: 5100
Ion Ratio Lower Upper
43 100
61 13.5 10.6 16.0
70 12.1 8.3 12.5



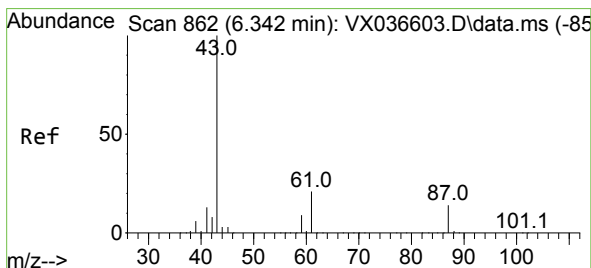
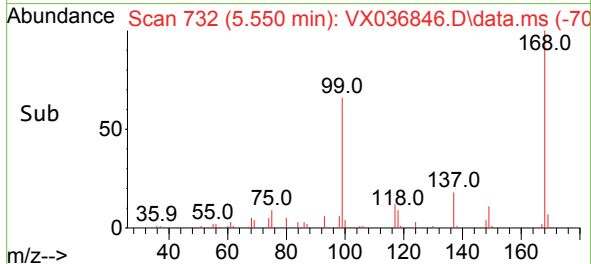
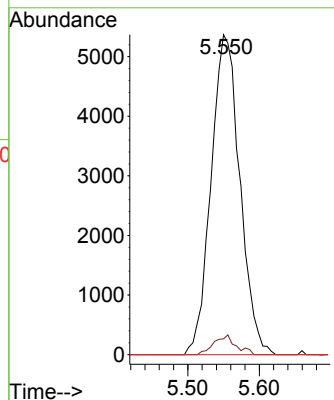


#38
Carbon Tetrachloride
Concen: 5.406 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP2

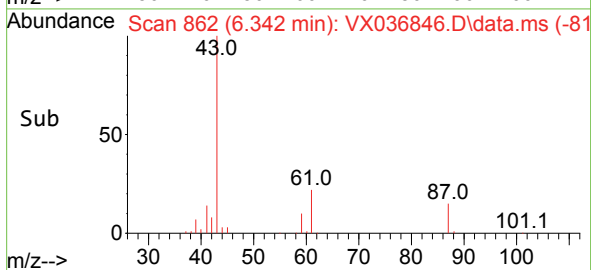
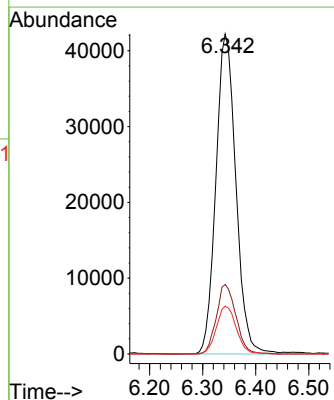
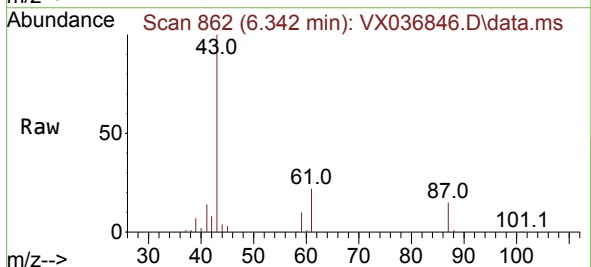


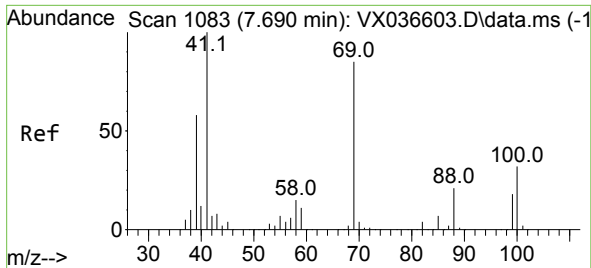
Tgt Ion:117 Resp: 15012
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 21.700 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

Tgt Ion: 43 Resp: 110433
Ion Ratio Lower Upper
43 100
61 21.3 15.2 22.8
87 14.9 9.8 14.6#

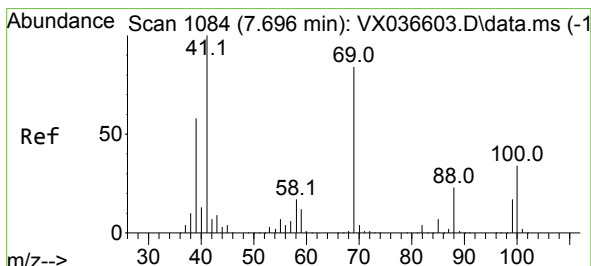
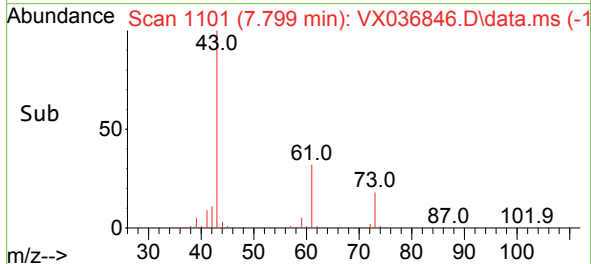
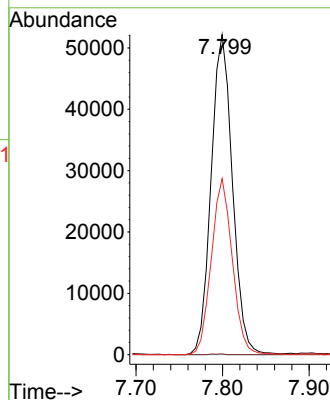
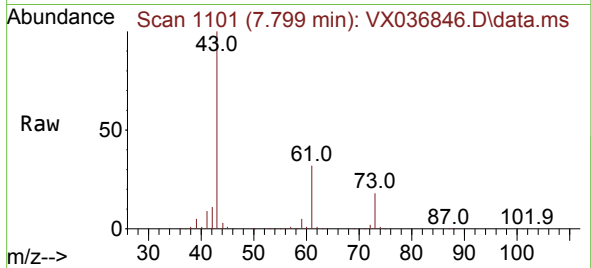




#48
Methyl methacrylate
Concen: 37.691 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

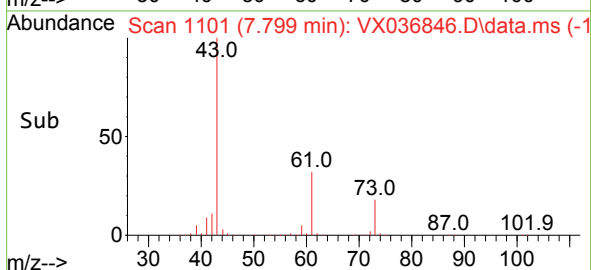
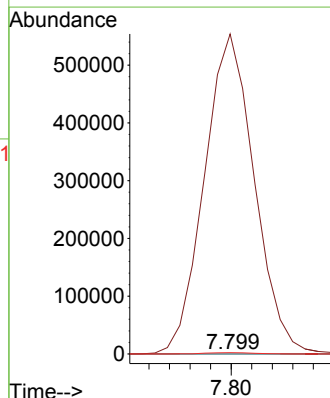
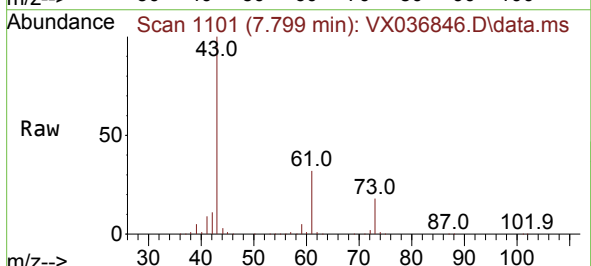
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP2

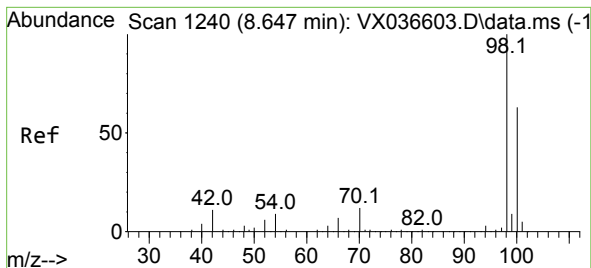
Tgt Ion: 41 Resp: 89204
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.2 47.7 71.5



#49
1,4-Dioxane
Concen: 3.200 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

Tgt Ion: 88 Resp: 153
Ion Ratio Lower Upper
88 100
43 615632.7 0.0 0.0#
58 2533.3 60.1 90.1#





#50

Toluene-d8

Concen: 49.215 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX036846.D

Acq: 07 Aug 2023 18:53

Instrument :

MSVOA_X

ClientSampleId :

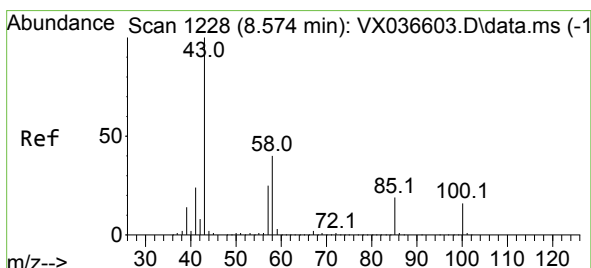
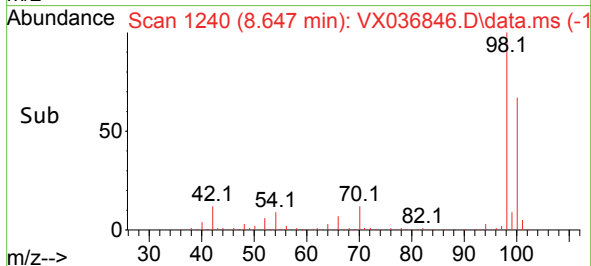
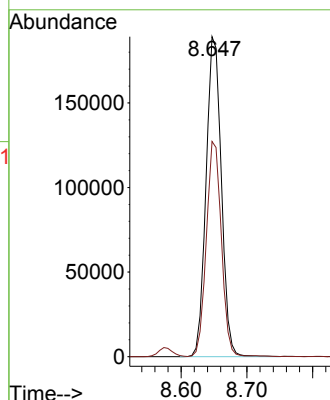
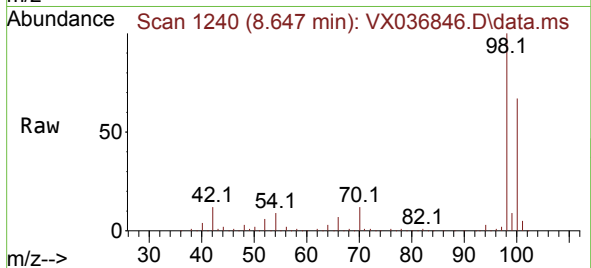
MCLEAN-TP2

Tgt Ion: 98 Resp: 305852

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 42.988 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX036846.D

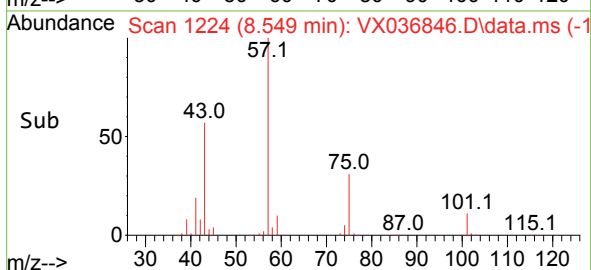
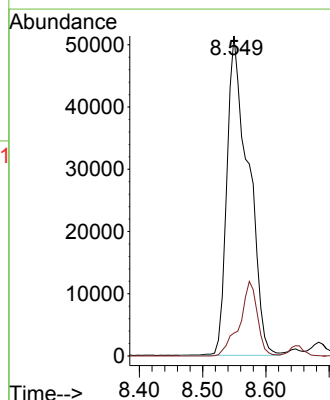
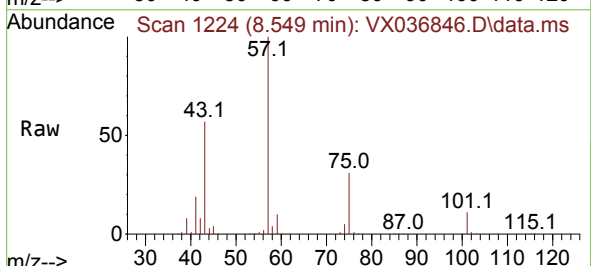
Acq: 07 Aug 2023 18:53

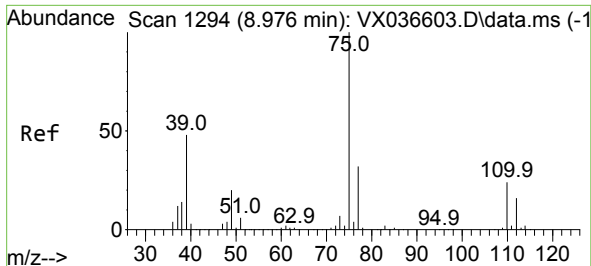
Tgt Ion: 43 Resp: 121066

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#

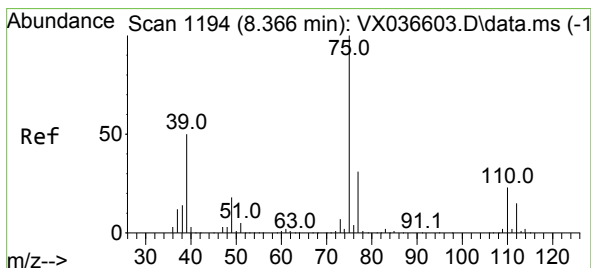
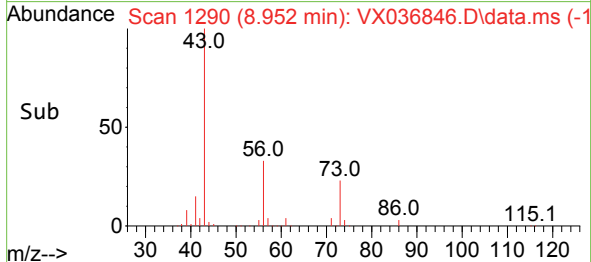
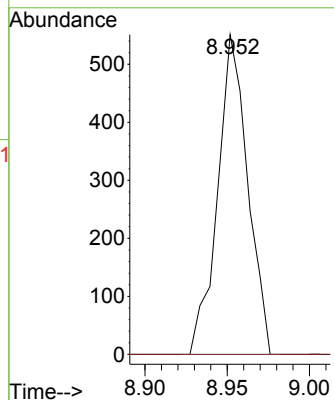
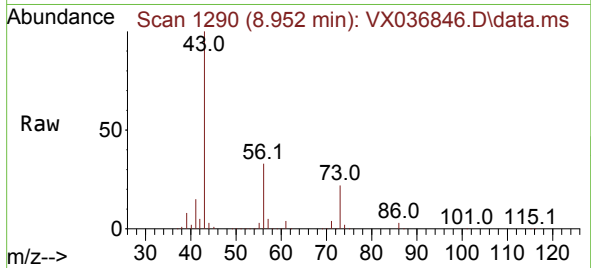




#53
 t-1,3-Dichloropropene
 Concen: 0.213 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX036846.D
 Acq: 07 Aug 2023 18:53

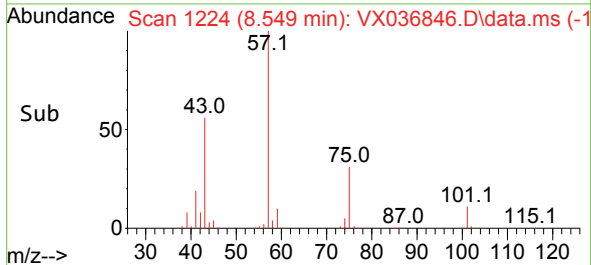
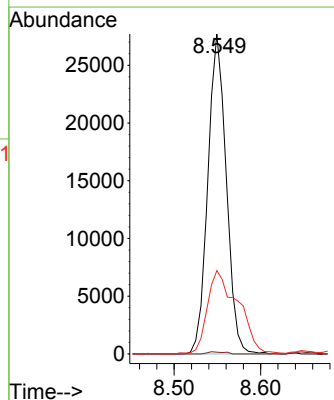
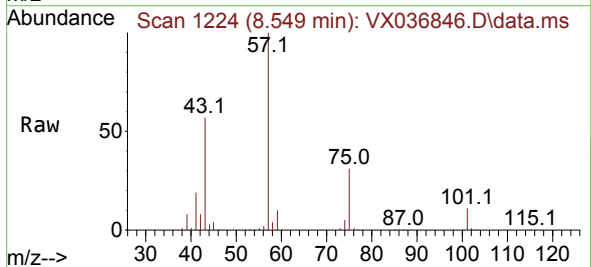
Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP2

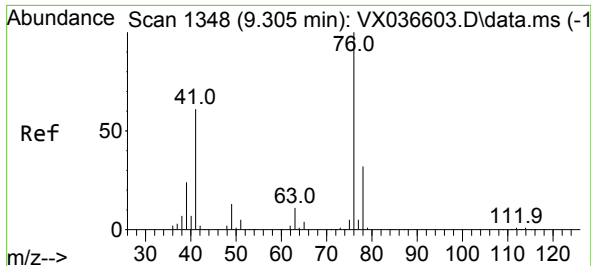
Tgt Ion: 75 Resp: 702
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.781 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036846.D
 Acq: 07 Aug 2023 18:53

Tgt Ion: 75 Resp: 40956
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 25.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.474 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX036846.D

Acq: 07 Aug 2023 18:53

Instrument :

MSVOA_X

ClientSampleId :

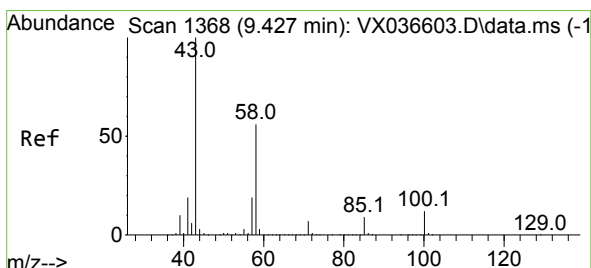
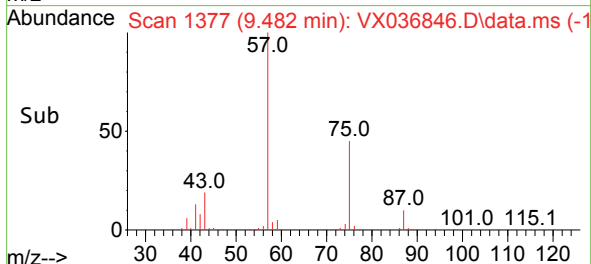
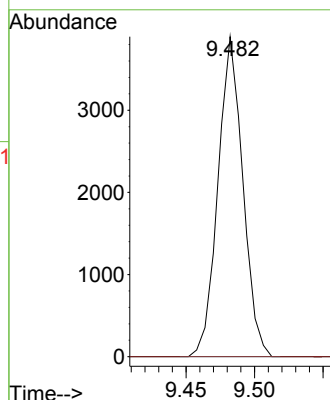
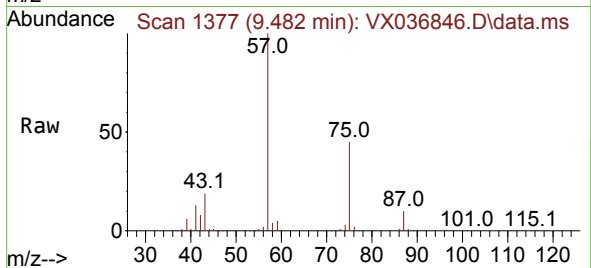
MCLEAN-TP2

Tgt Ion: 76 Resp: 4914

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 44.992 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036846.D

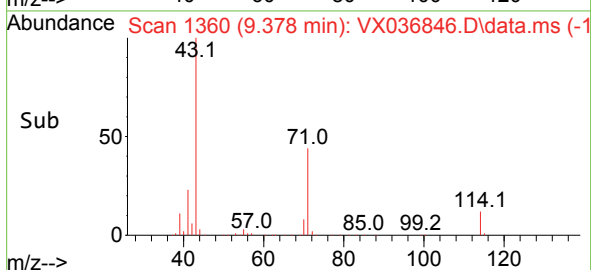
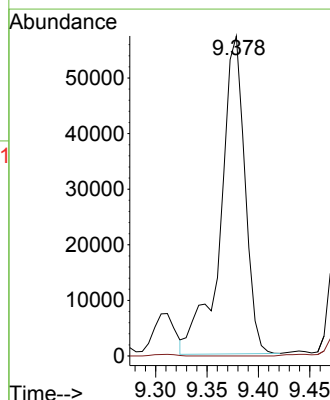
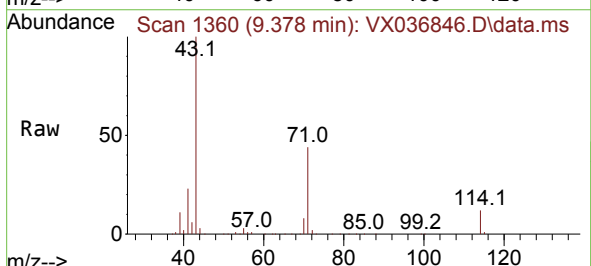
Acq: 07 Aug 2023 18:53

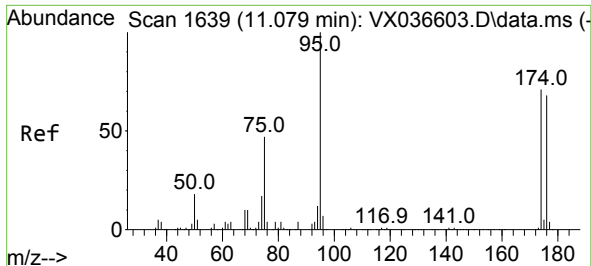
Tgt Ion: 43 Resp: 94041

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 51.516 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036846.D

Acq: 07 Aug 2023 18:53

Instrument :

MSVOA_X

ClientSampleId :

MCLEAN-TP2

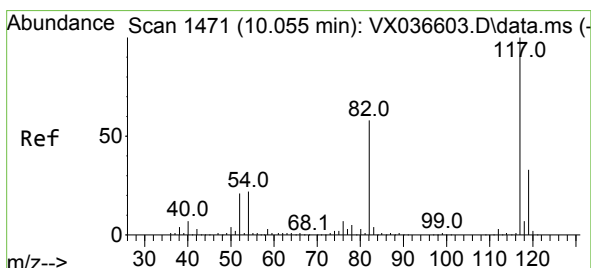
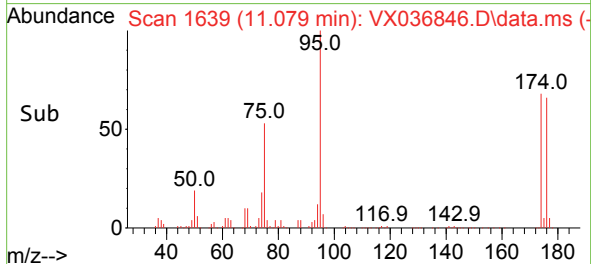
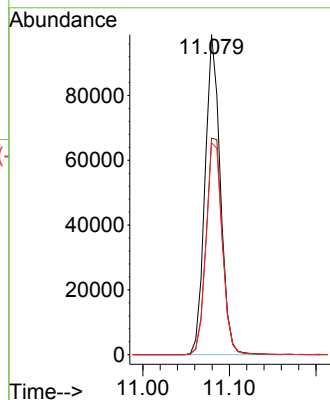
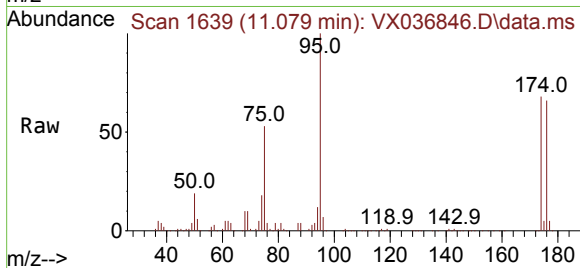
Tgt Ion: 95 Resp: 120789

Ion Ratio Lower Upper

95 100

174 72.5 0.0 135.6

176 70.0 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: VX036846.D

Acq: 07 Aug 2023 18:53

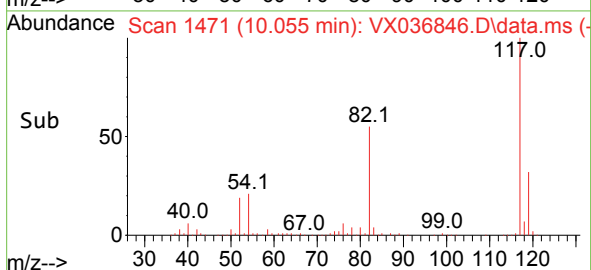
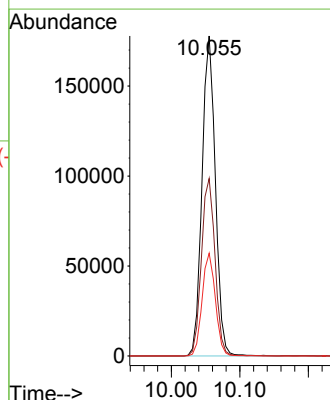
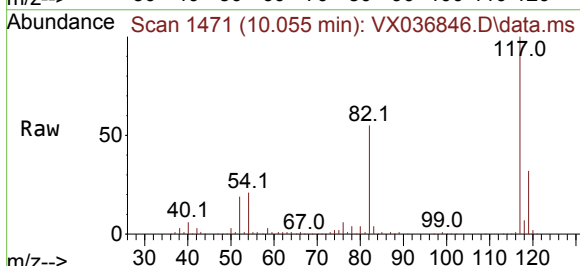
Tgt Ion: 117 Resp: 241138

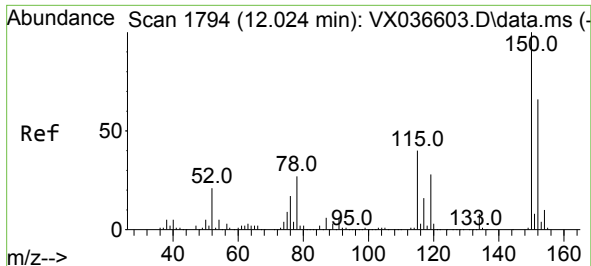
Ion Ratio Lower Upper

117 100

82 55.5 46.2 69.4

119 32.1 25.5 38.3

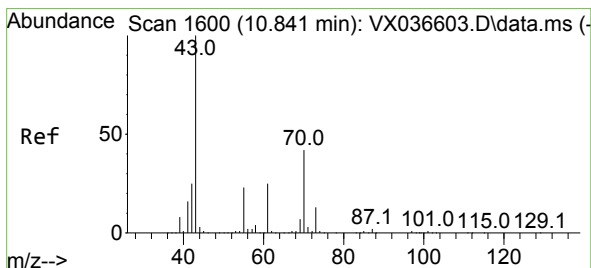
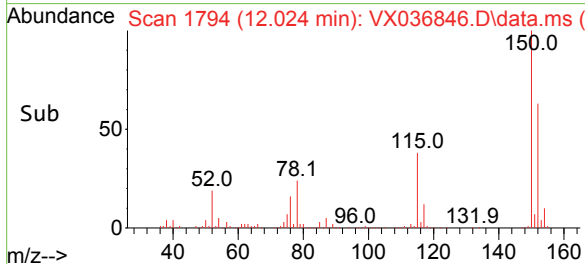
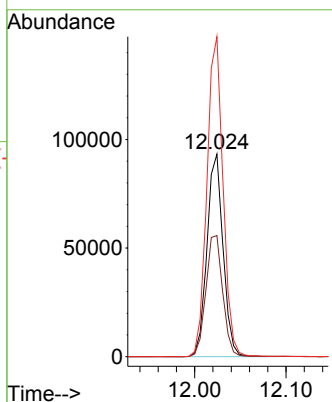
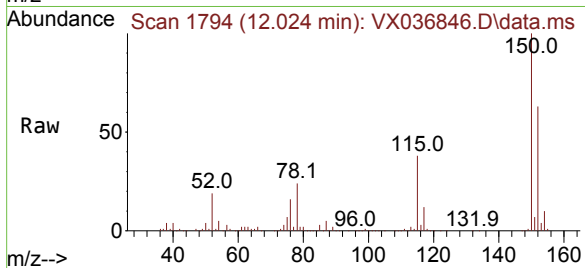




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036846.D
 Acq: 07 Aug 2023 18:53

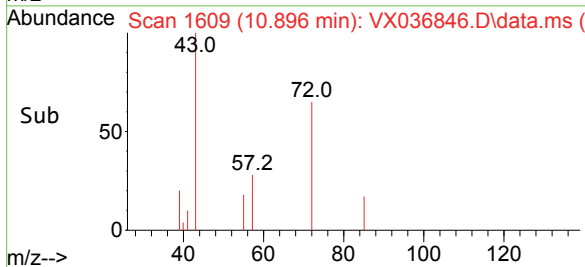
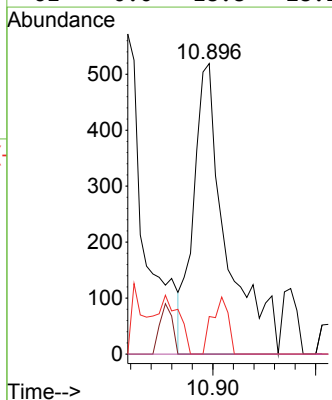
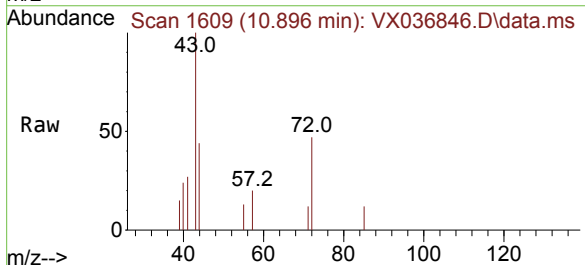
Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP2

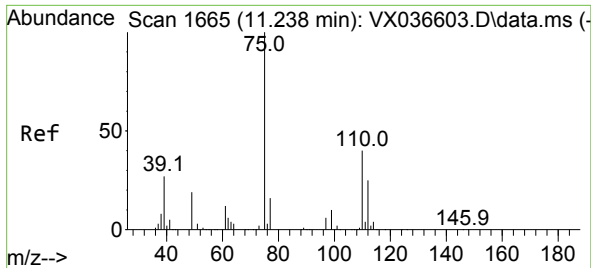
Tgt Ion:152 Resp: 113942
 Ion Ratio Lower Upper
 152 100
 115 62.4 43.3 129.9
 150 157.9 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.261 ug/l
 RT: 10.896 min Scan# 1609
 Delta R.T. 0.055 min
 Lab File: VX036846.D
 Acq: 07 Aug 2023 18:53

Tgt Ion: 43 Resp: 1149
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 9.8 19.3 28.9#
 61 0.0 18.8 28.2#

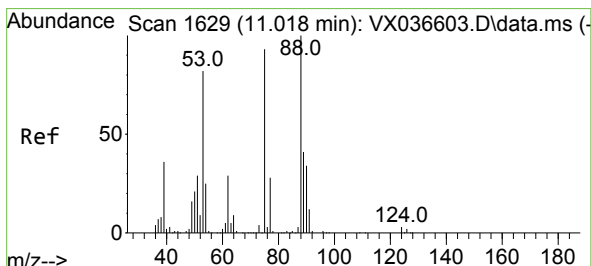
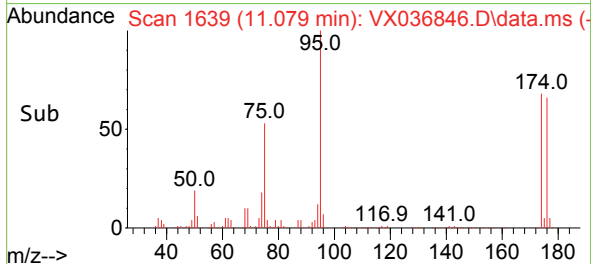
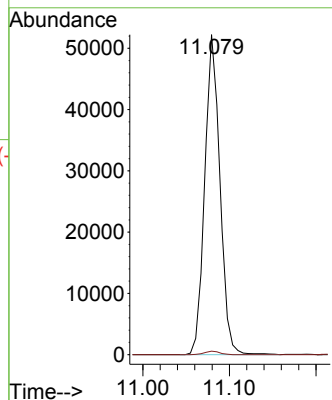
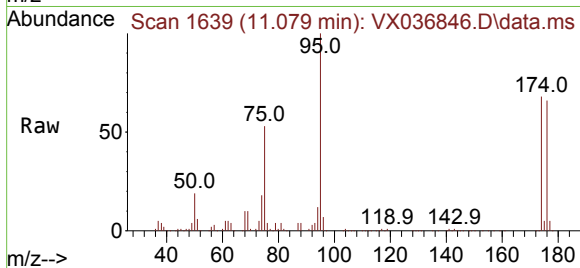




#76
1,2,3-Trichloropropane
Concen: 23.751 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP2

Tgt Ion: 75 Resp: 63654
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.833 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036846.D
Acq: 07 Aug 2023 18:53

Tgt Ion: 75 Resp: 63654
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

