

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
 Data File : VX036819.D
 Acq On : 04 Aug 2023 18:43
 Operator : JC/MD
 Sample : 03887-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP6

Quant Time: Aug 04 23:09:45 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)

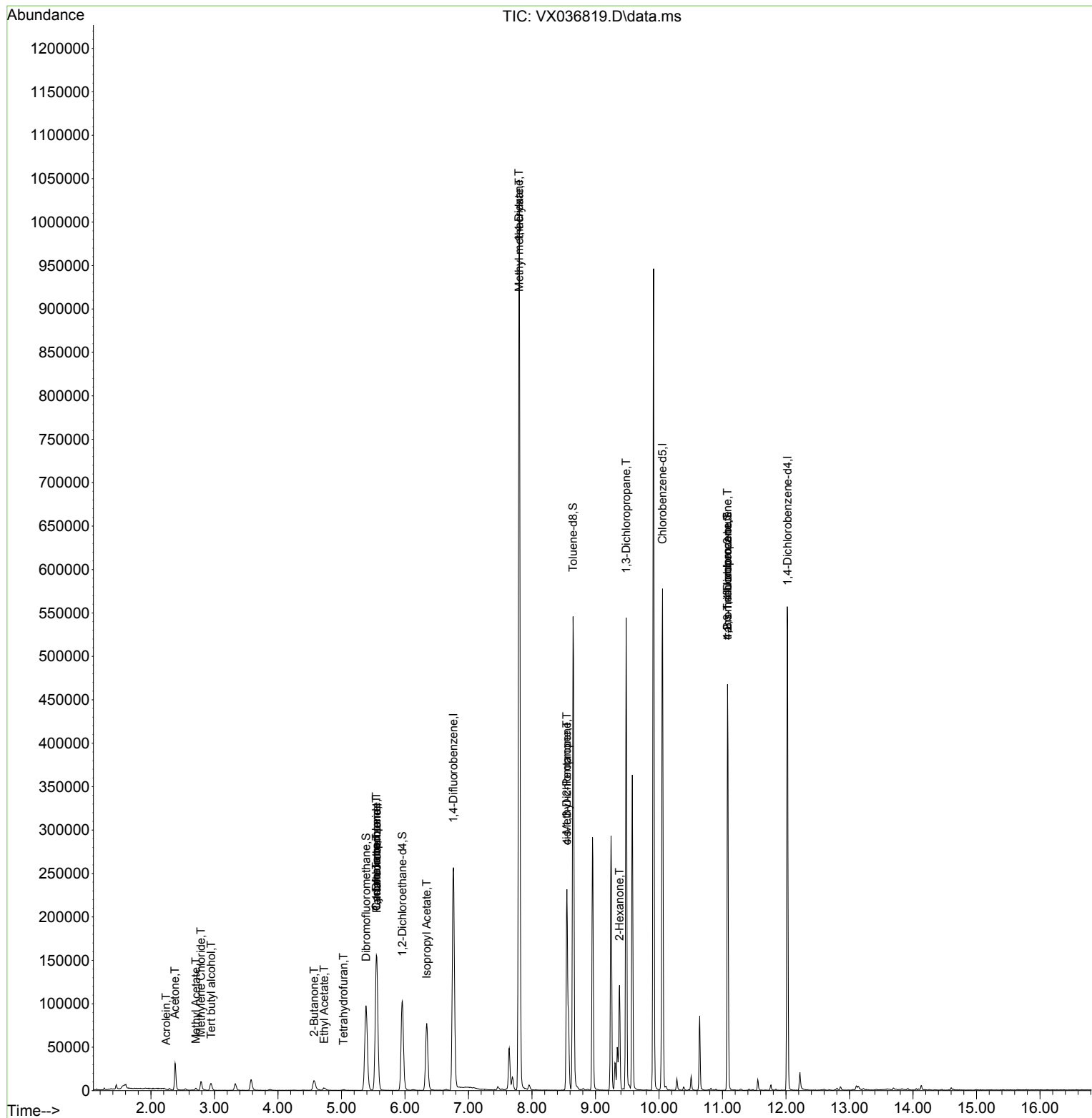
Internal Standards						
1) Pentafluorobenzene	5.556	168	147144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	268351	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	252645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	101097	46.434	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.860%		
35) Dibromofluoromethane	5.385	113	86311	46.794	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.580%		
50) Toluene-d8	8.647	98	320900	49.060	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.120%		
62) 4-Bromofluorobenzene	11.079	95	122681	49.713	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.420%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	5202	10.092	ug/l #	80
13) Acrolein	2.240	56	158	0.537	ug/l #	61
16) Acetone	2.380	43	32084	35.512	ug/l #	89
18) Methyl Acetate	2.709	43	2614	0.688	ug/l	95
20) Methylene Chloride	2.788	84	5456	2.715	ug/l	85
25) 2-Butanone	4.568	43	14836	10.121	ug/l	94
29) Tetrahydrofuran	5.032	42	726	0.768	ug/l #	81
31) Cyclohexane	5.550	56	3343	1.109	ug/l #	11
36) 1,1-Dichloropropene	5.550	75	11968	4.353	ug/l #	51
37) Ethyl Acetate	4.727	43	5392	1.733	ug/l	98
38) Carbon Tetrachloride	5.550	117	15391	5.266	ug/l #	15
43) Isopropyl Acetate	6.342	43	107349	20.041	ug/l	96
48) Methyl methacrylate	7.799	41	86933	34.899	ug/l #	49
49) 1,4-Dioxane	7.793	88	97	1.928	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	116914	39.442	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	38189	10.437	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	4694	1.338	ug/l #	42
59) 2-Hexanone	9.378	43	89513	40.690	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	64470	24.112	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	64470	54.652	ug/l #	5

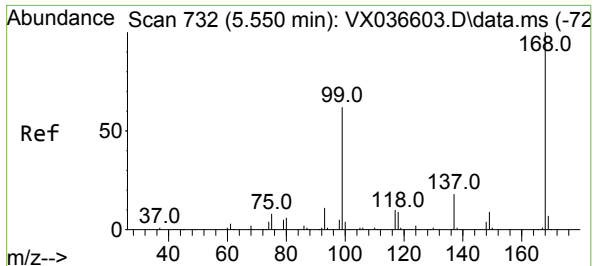
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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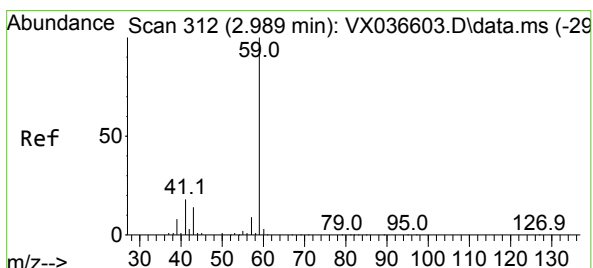
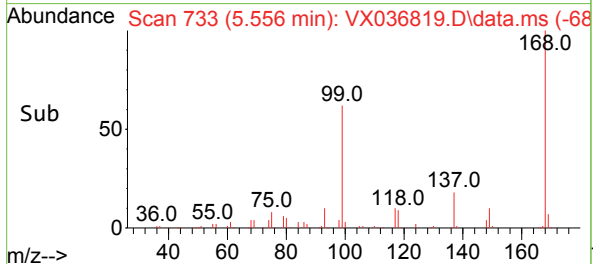
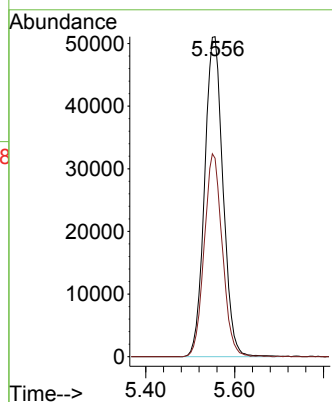
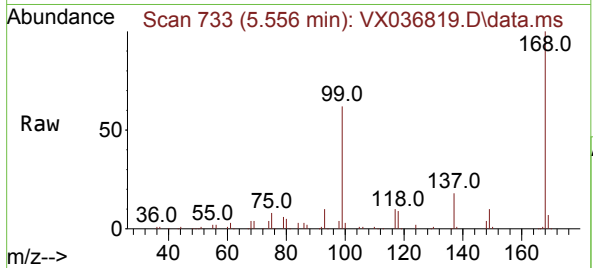




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

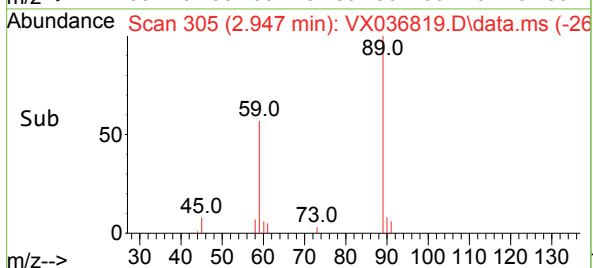
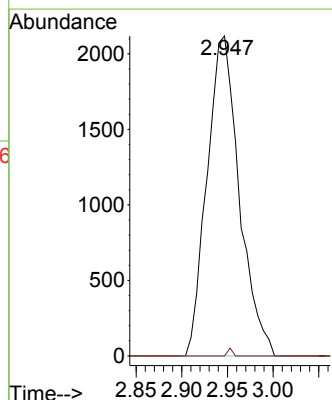
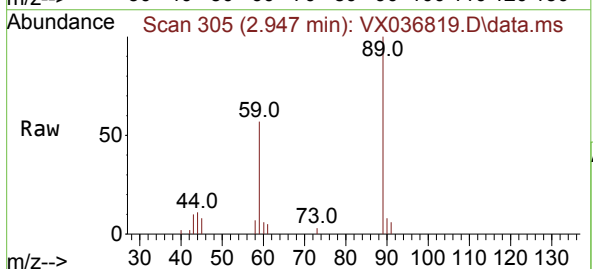
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP6

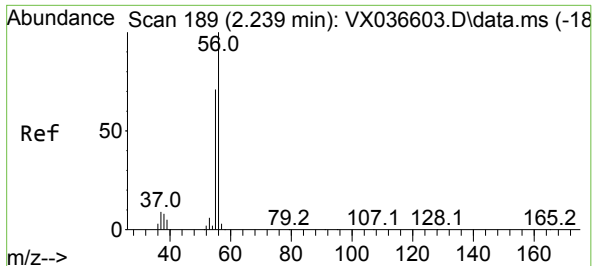
Tgt Ion:168 Resp: 147144
Ion Ratio Lower Upper
168 100
99 62.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 10.092 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

Tgt Ion: 59 Resp: 5202
Ion Ratio Lower Upper
59 100
57 0.4 6.0 9.0#

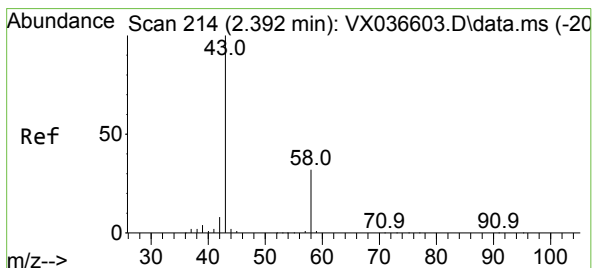
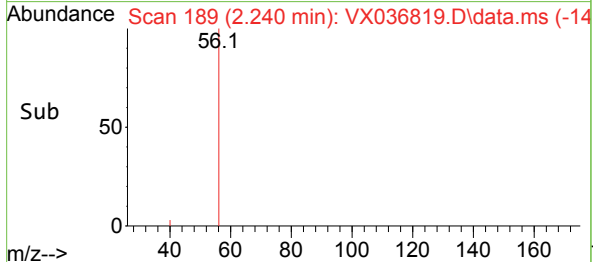
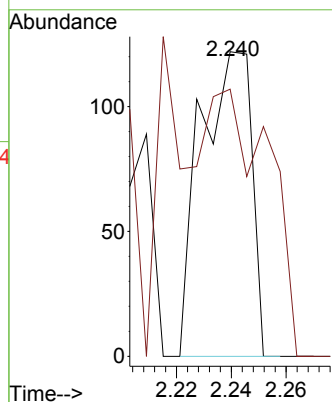
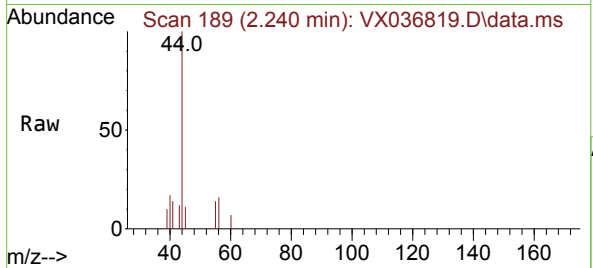




#13
Acrolein
Concen: 0.537 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

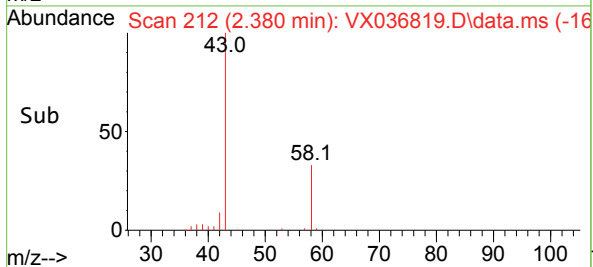
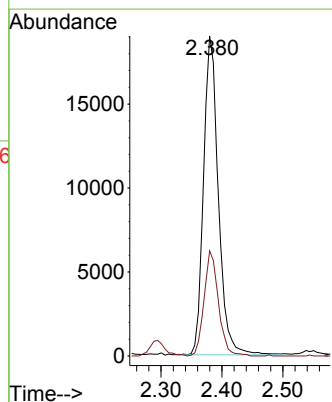
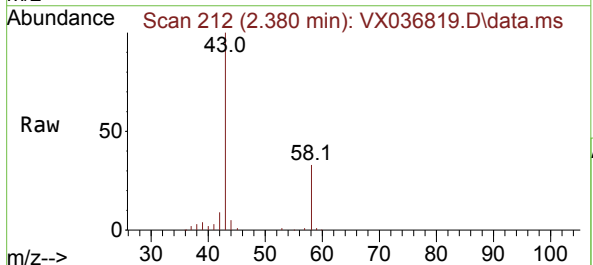
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP6

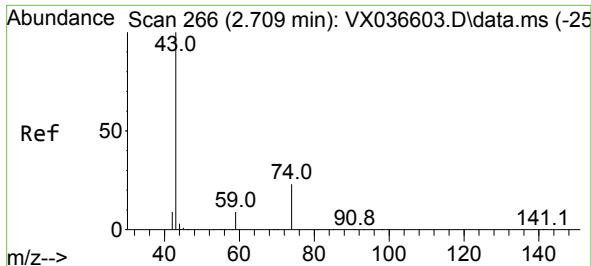
Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 103.8 57.1 85.7#



#16
Acetone
Concen: 35.512 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

Tgt Ion: 43 Resp: 32084
Ion Ratio Lower Upper
43 100
58 33.0 21.9 32.9#

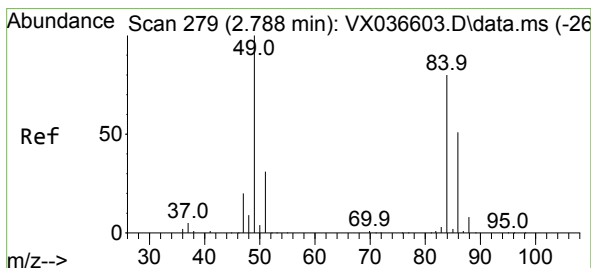
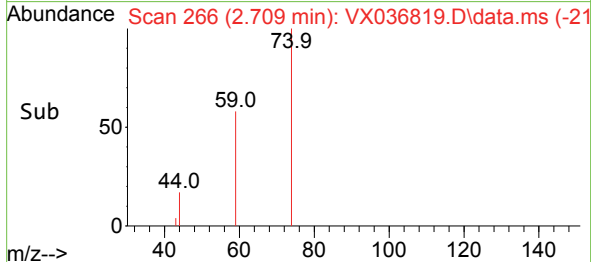
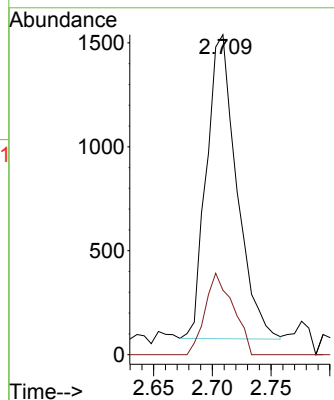
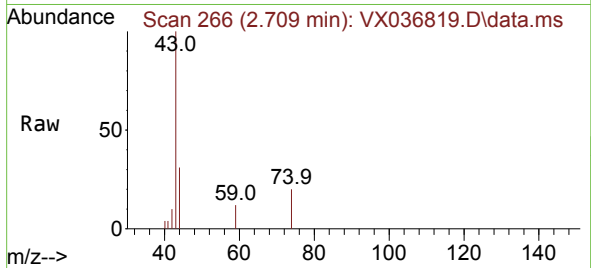




#18
Methyl Acetate
Concen: 0.688 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

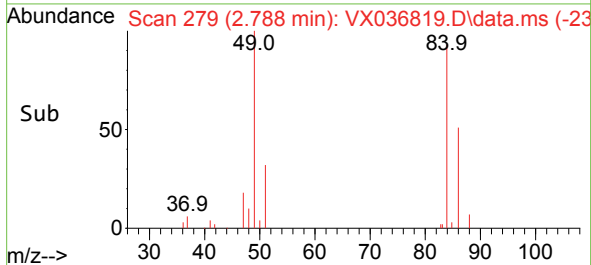
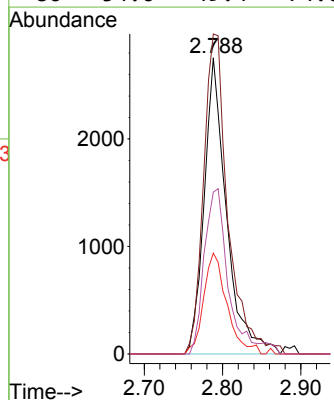
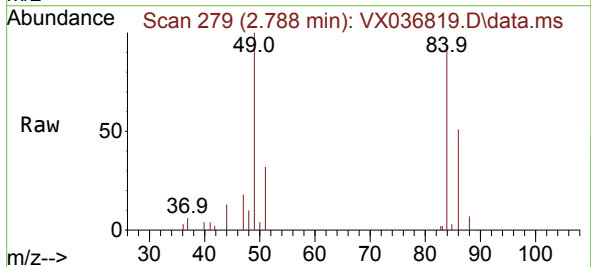
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP6

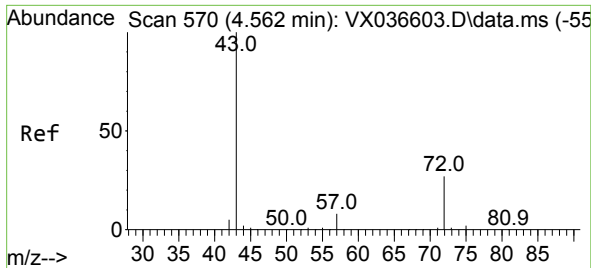
Tgt Ion: 43 Resp: 2614
Ion Ratio Lower Upper
43 100
74 24.8 17.8 26.8



#20
Methylene Chloride
Concen: 2.715 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

Tgt Ion: 84 Resp: 5456
Ion Ratio Lower Upper
84 100
49 108.0 103.6 155.4
51 34.0 33.8 50.6
86 54.6 49.4 74.0

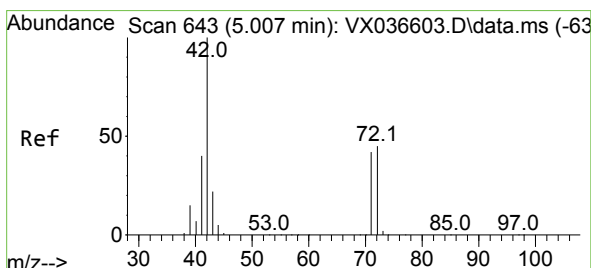
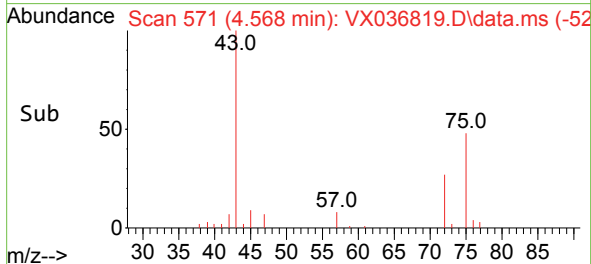
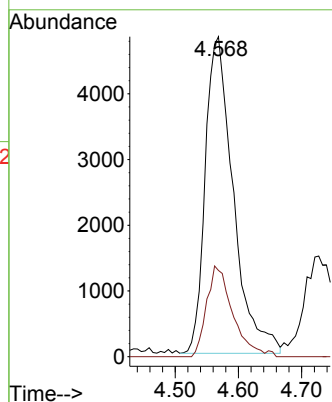
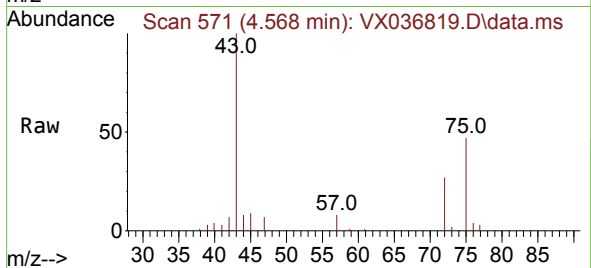




#25
2-Butanone
Concen: 10.121 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

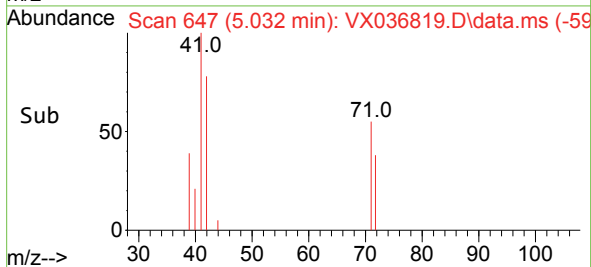
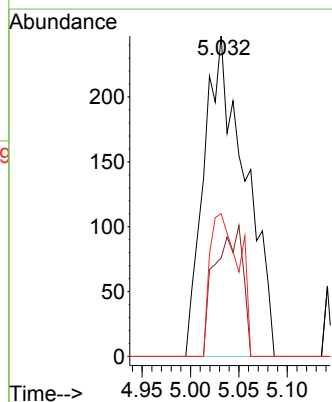
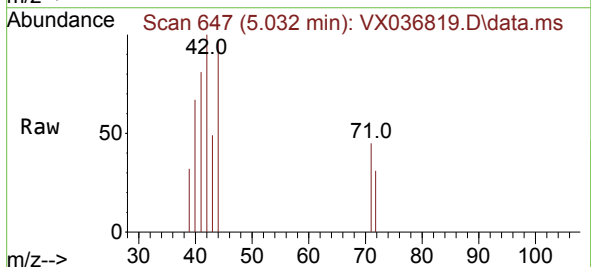
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP6

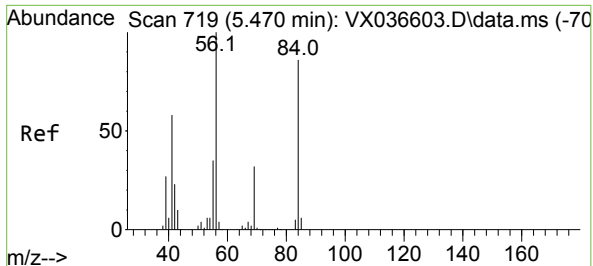
Tgt Ion: 43 Resp: 14836
Ion Ratio Lower Upper
43 100
72 27.2 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.768 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.025 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

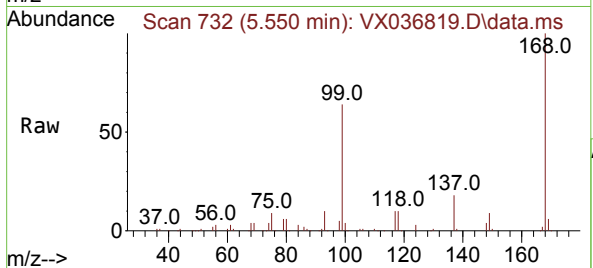
Tgt Ion: 42 Resp: 726
Ion Ratio Lower Upper
42 100
72 27.4 34.2 51.4#
71 31.7 32.2 48.2#



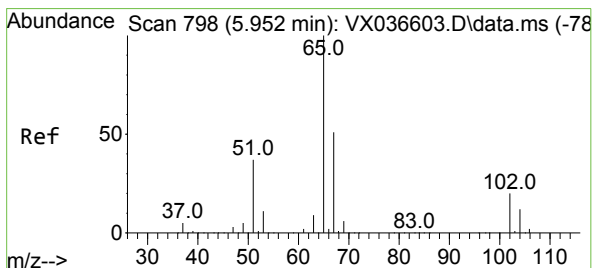
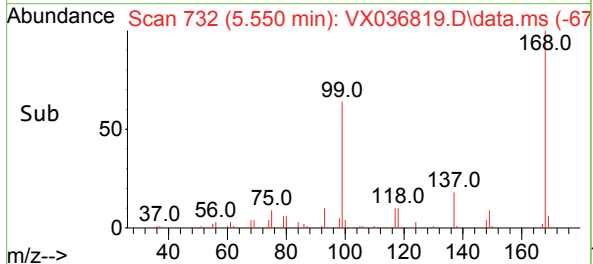
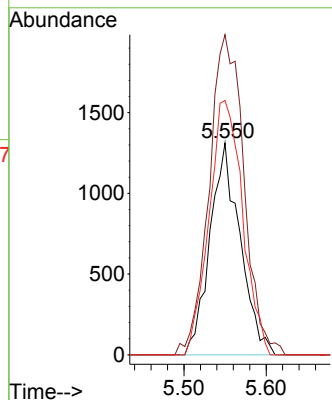


#31
Cyclohexane
Concen: 1.109 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP6

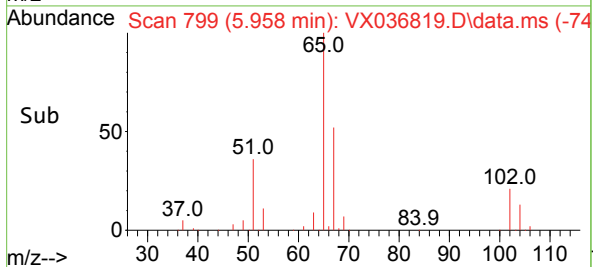
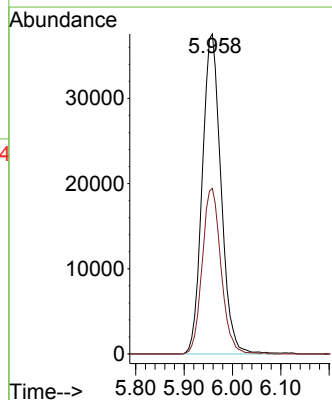
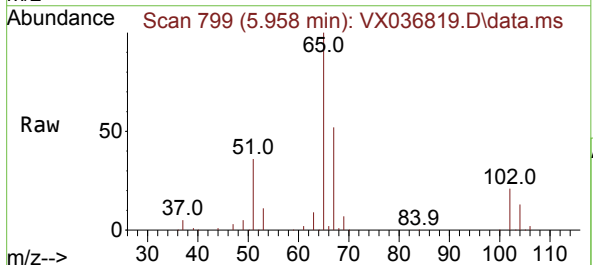


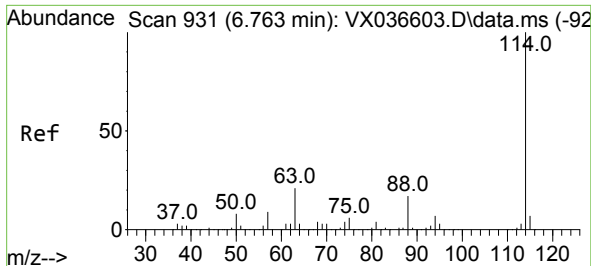
Tgt Ion: 56 Resp: 3343
Ion Ratio Lower Upper
56 100
69 147.0 23.4 35.2#
84 120.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.434 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

Tgt Ion: 65 Resp: 101097
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2

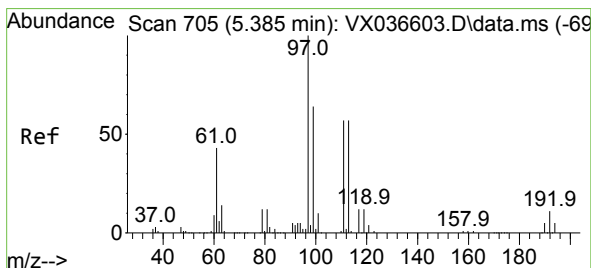
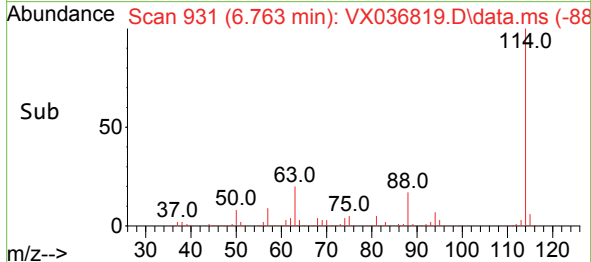
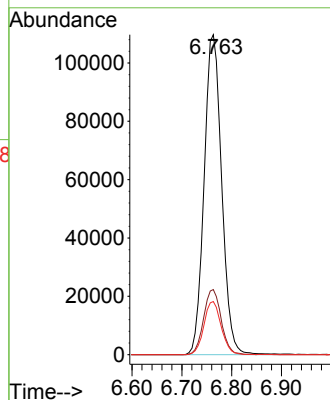
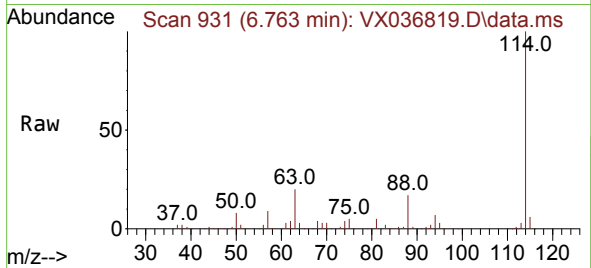




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

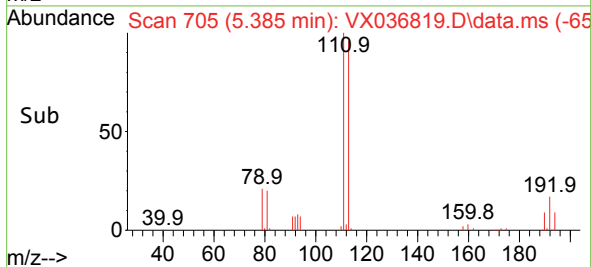
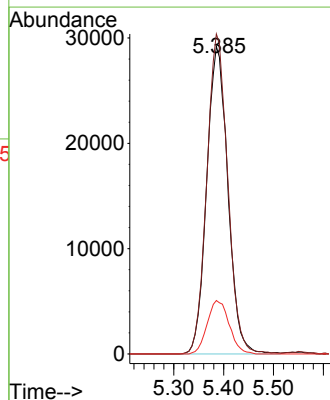
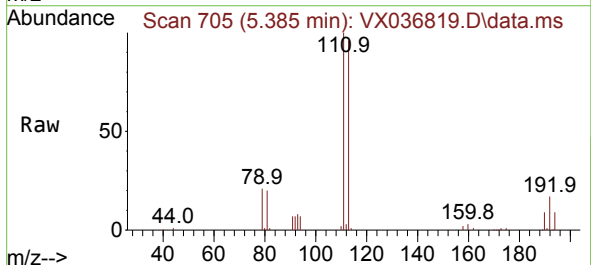
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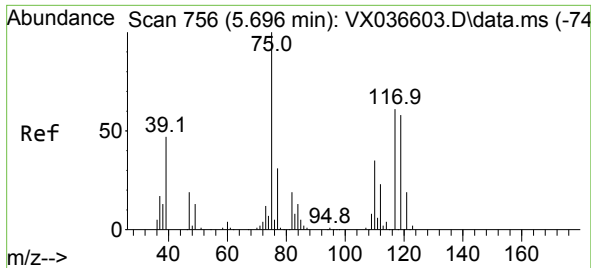
Tgt Ion:114 Resp: 268351
Ion Ratio Lower Upper
114 100
63 20.4 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.794 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

Tgt Ion:113 Resp: 86311
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.0 13.3 19.9

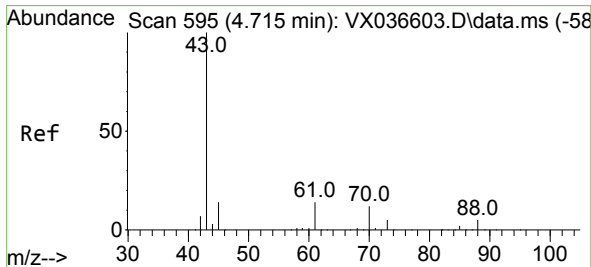
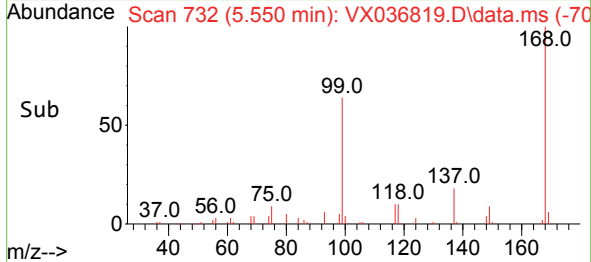
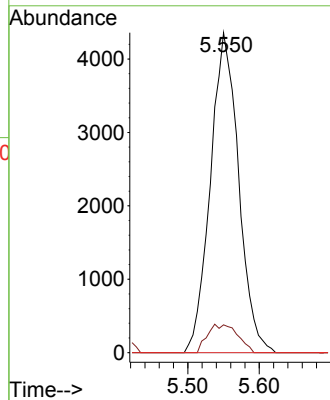
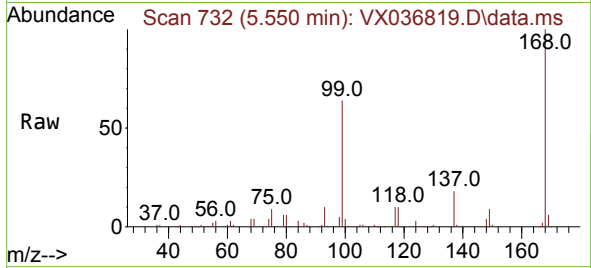




#36
1,1-Dichloropropene
Concen: 4.353 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

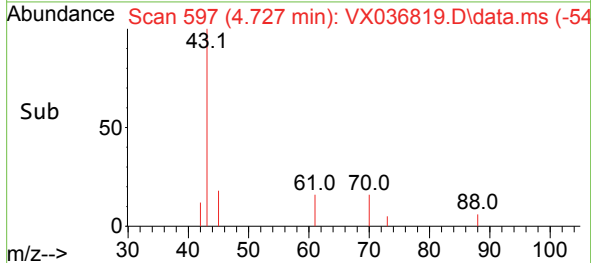
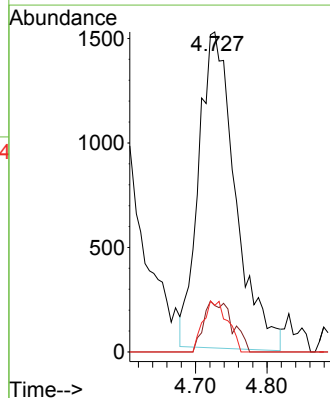
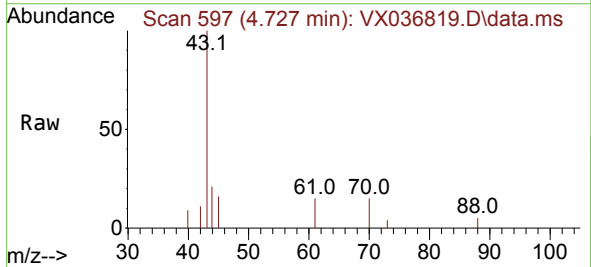
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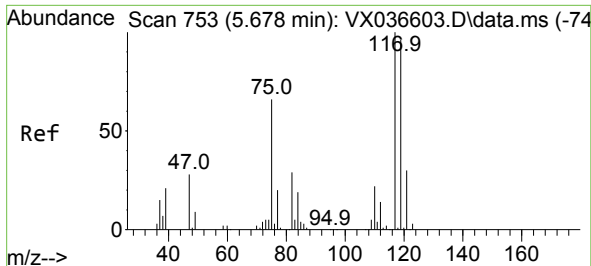
Tgt Ion: 75 Resp: 11968
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.733 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

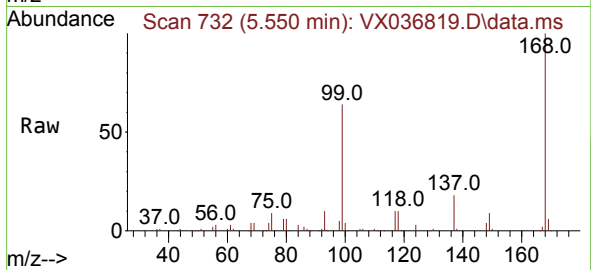
Tgt Ion: 43 Resp: 5392
Ion Ratio Lower Upper
43 100
61 12.5 10.6 16.0
70 10.8 8.3 12.5



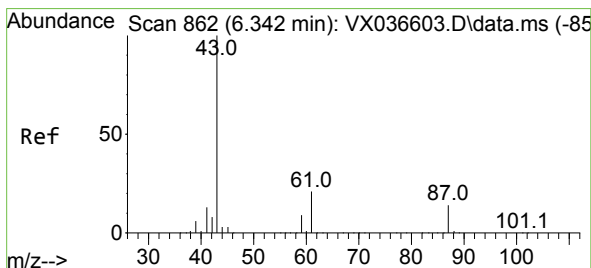
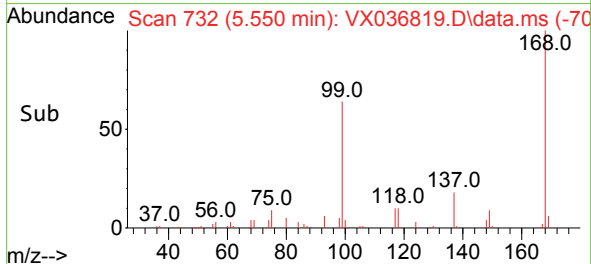
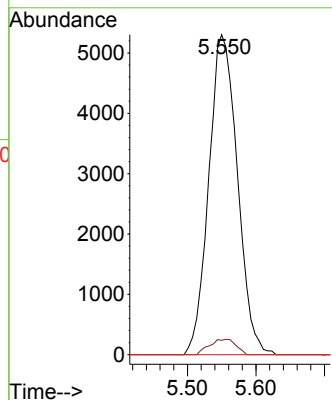


#38
Carbon Tetrachloride
Concen: 5.266 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP6

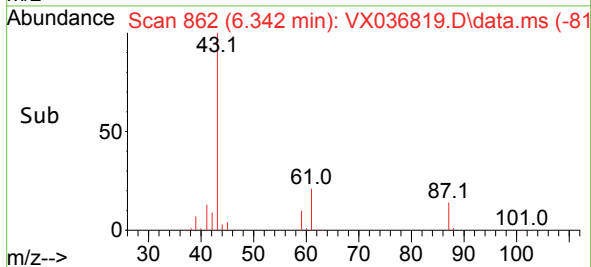
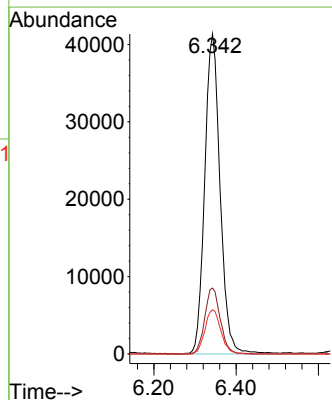
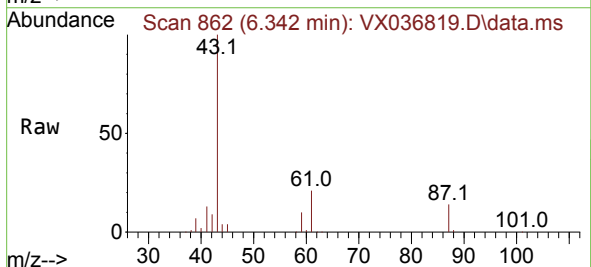


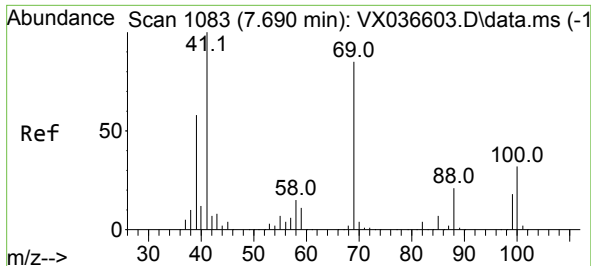
Tgt Ion:117 Resp: 15391
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 20.041 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

Tgt Ion: 43 Resp: 107349
Ion Ratio Lower Upper
43 100
61 20.8 15.2 22.8
87 14.2 9.8 14.6





#48

Methyl methacrylate

Concen: 34.899 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX036819.D

Acq: 04 Aug 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

MCLEAN-TP6

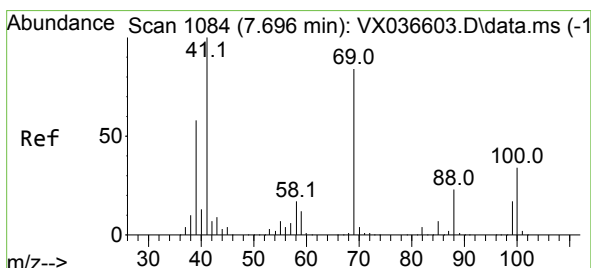
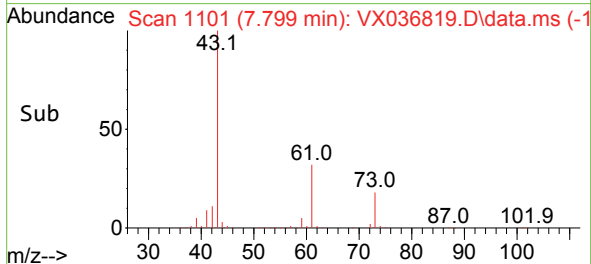
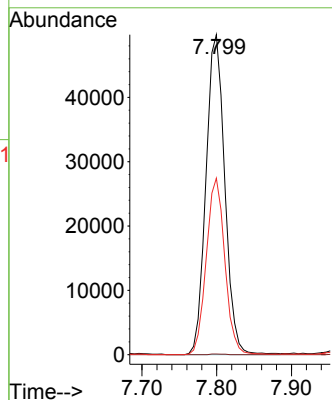
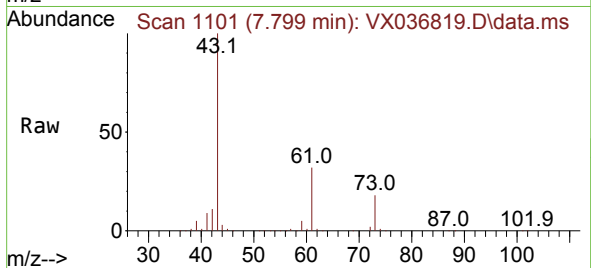
Tgt Ion: 41 Resp: 86933

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 54.4 47.7 71.5



#49

1,4-Dioxane

Concen: 1.928 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.098 min

Lab File: VX036819.D

Acq: 04 Aug 2023 18:43

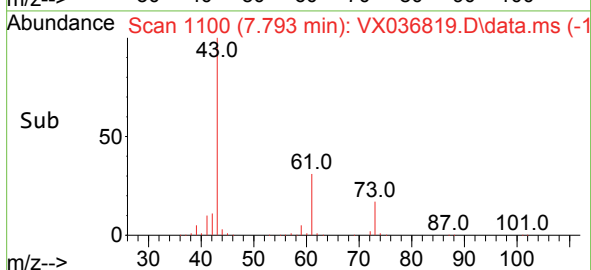
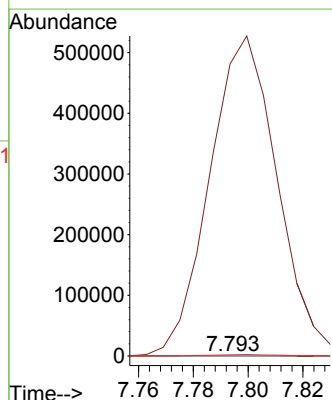
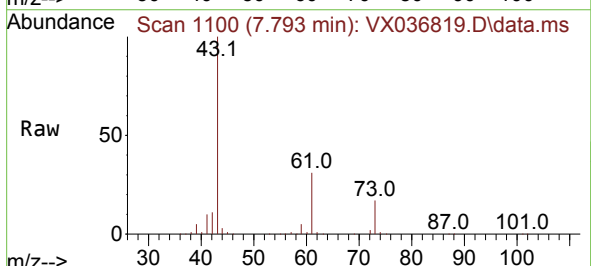
Tgt Ion: 88 Resp: 97

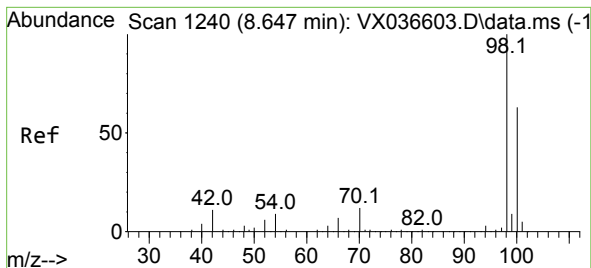
Ion Ratio Lower Upper

88 100

43 941354.6 0.0 0.0#

58 3919.6 60.1 90.1#





#50

Toluene-d8

Concen: 49.060 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX036819.D

Acq: 04 Aug 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

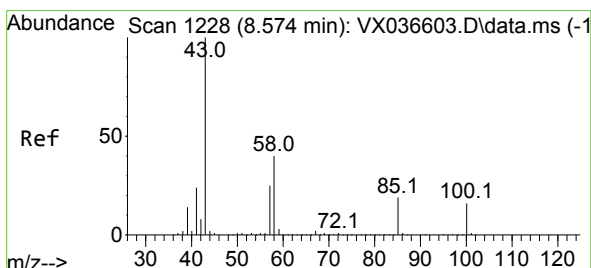
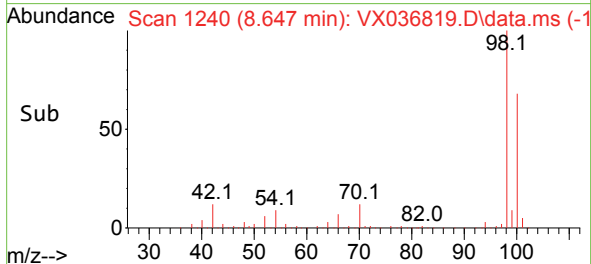
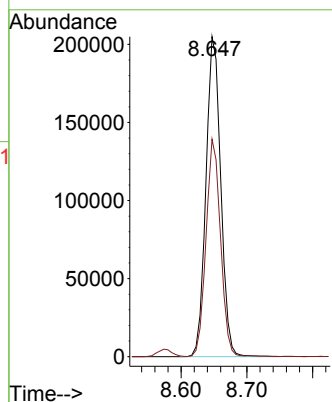
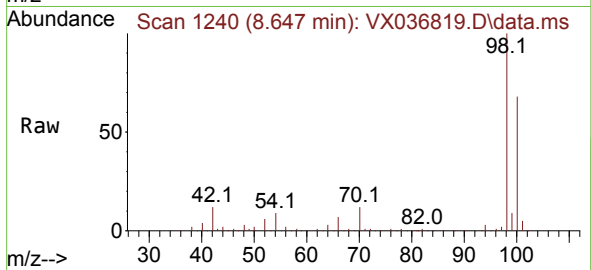
MCLEAN-TP6

Tgt Ion: 98 Resp: 320900

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 39.442 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX036819.D

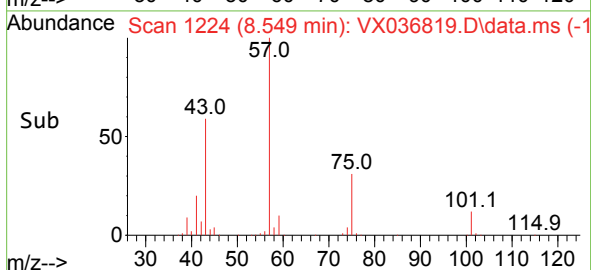
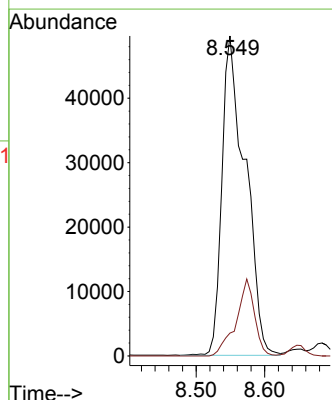
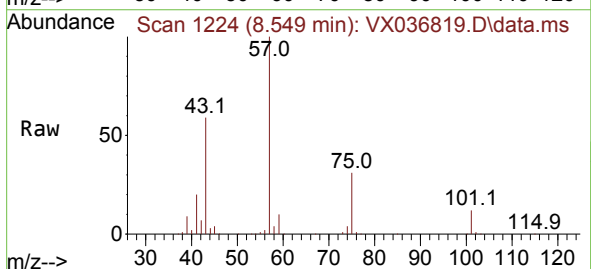
Acq: 04 Aug 2023 18:43

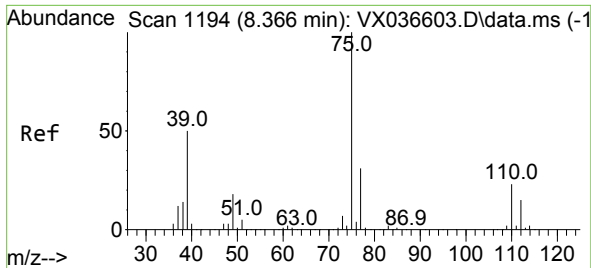
Tgt Ion: 43 Resp: 116914

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#

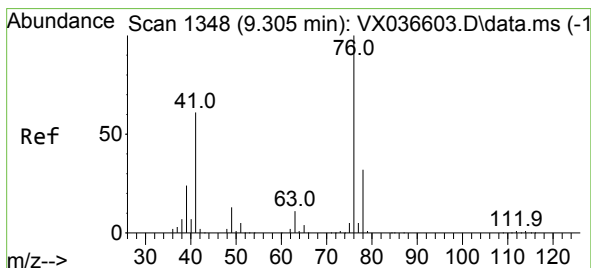
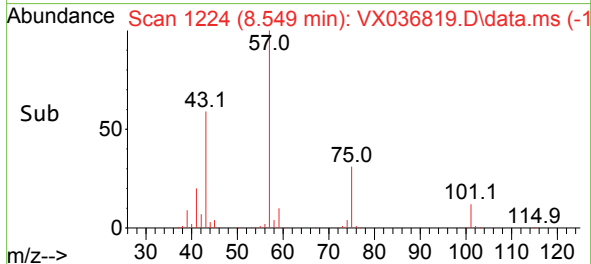
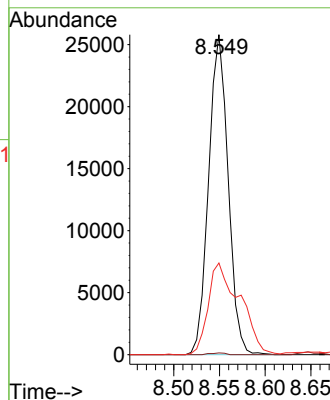
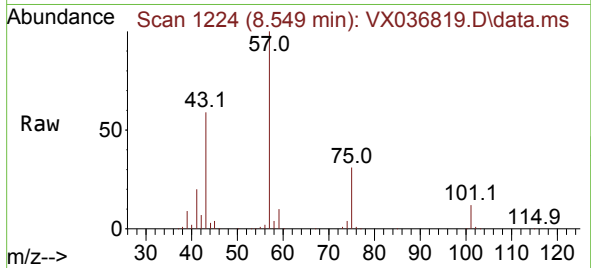




#54
 cis-1,3-Dichloropropene
 Concen: 10.437 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036819.D
 Acq: 04 Aug 2023 18:43

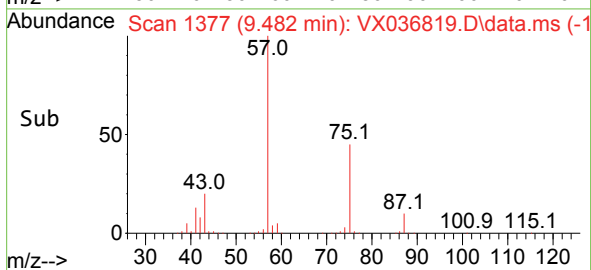
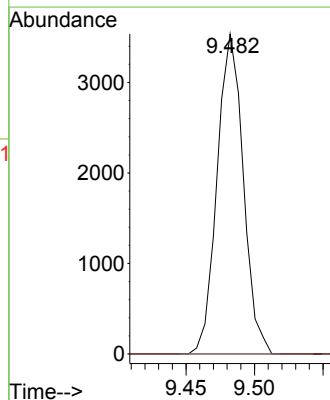
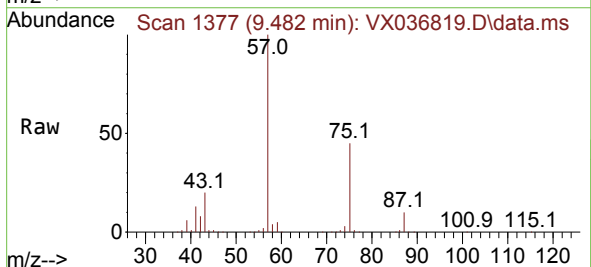
Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP6

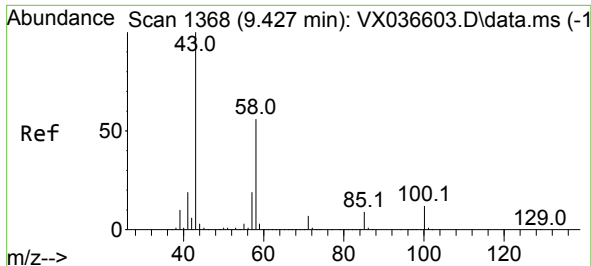
Tgt Ion: 75 Resp: 38189
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 28.6 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.338 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036819.D
 Acq: 04 Aug 2023 18:43

Tgt Ion: 76 Resp: 4694
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 40.690 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX036819.D

Acq: 04 Aug 2023 18:43

Instrument :

MSVOA_X

ClientSampleId :

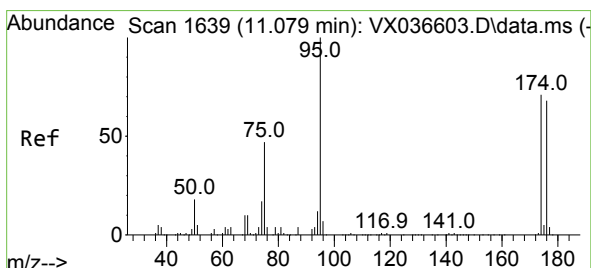
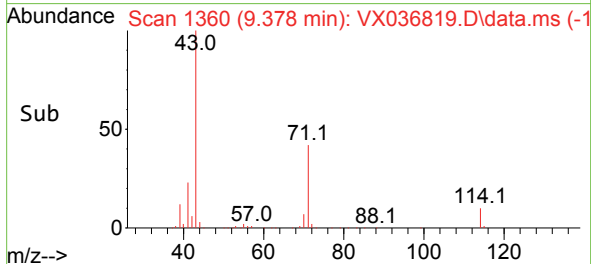
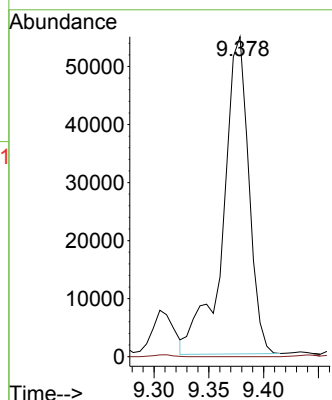
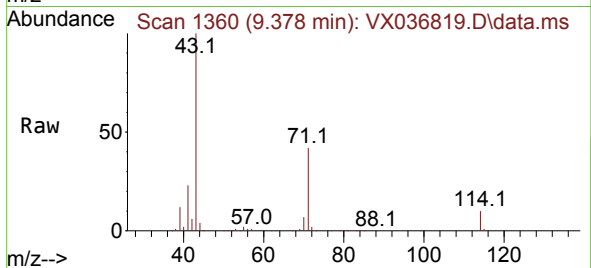
MCLEAN-TP6

Tgt Ion: 43 Resp: 89513

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 49.713 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036819.D

Acq: 04 Aug 2023 18:43

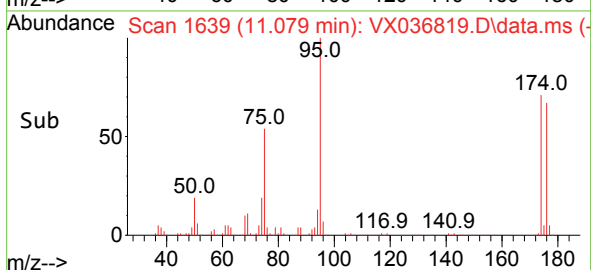
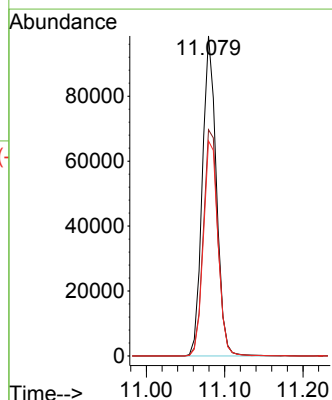
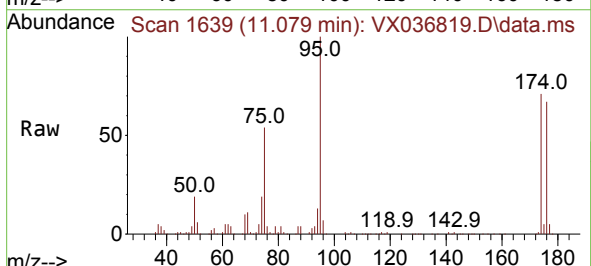
Tgt Ion: 95 Resp: 122681

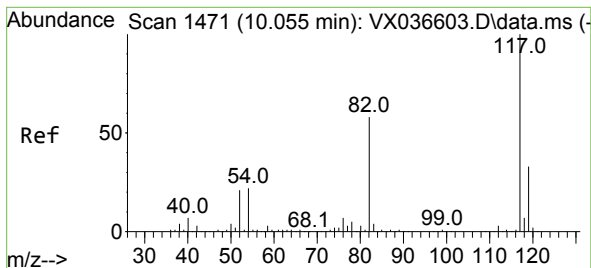
Ion Ratio Lower Upper

95 100

174 73.5 0.0 135.6

176 70.1 0.0 131.0

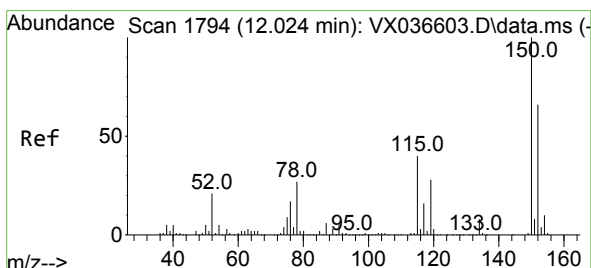
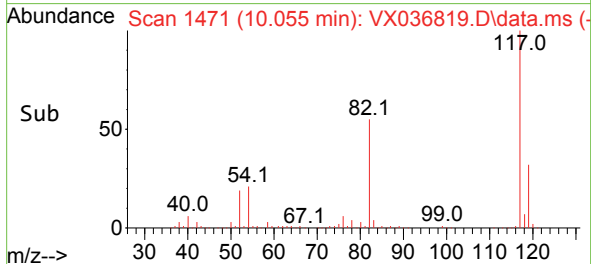
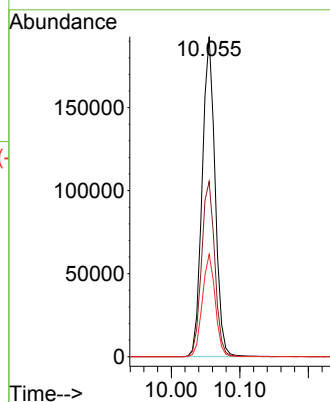
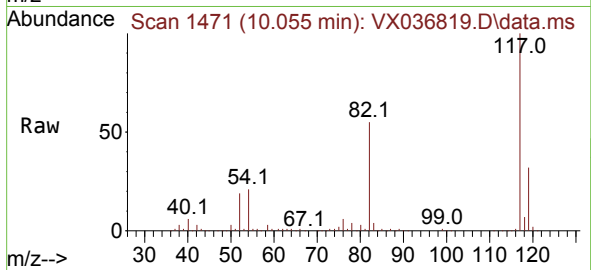




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

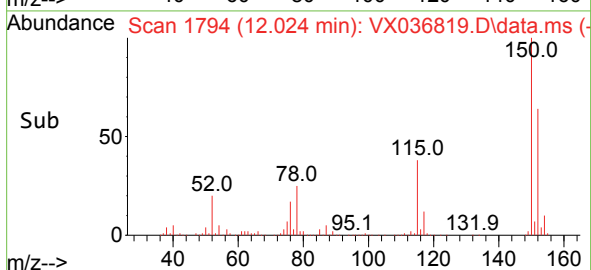
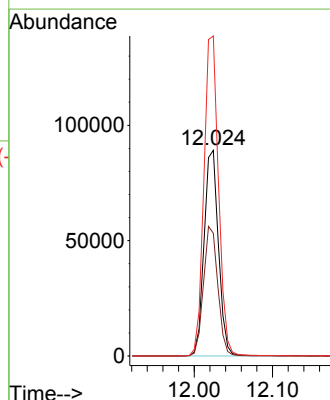
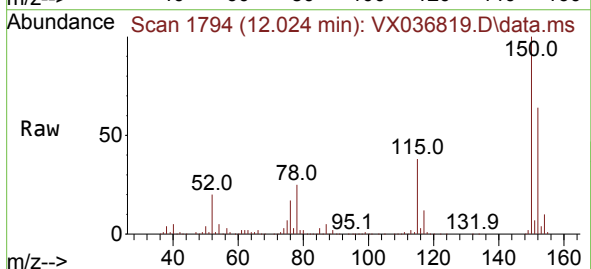
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP6

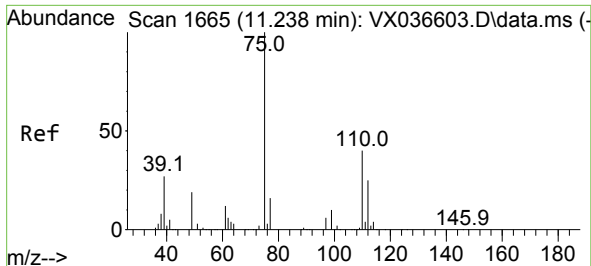
Tgt Ion:117 Resp: 252645
Ion Ratio Lower Upper
117 100
82 54.8 46.2 69.4
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

Tgt Ion:152 Resp: 113675
Ion Ratio Lower Upper
152 100
115 62.9 43.3 129.9
150 157.7 0.0 345.0

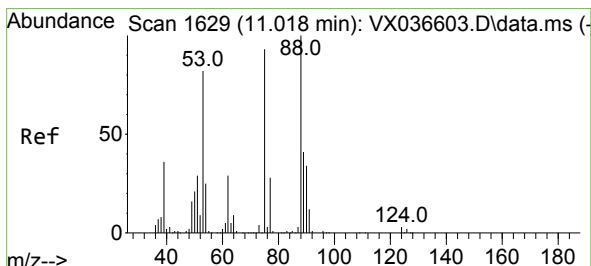
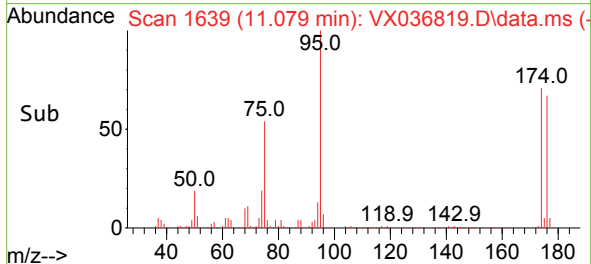
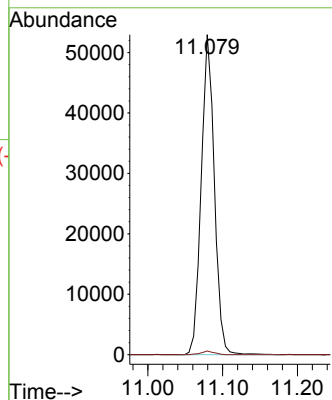
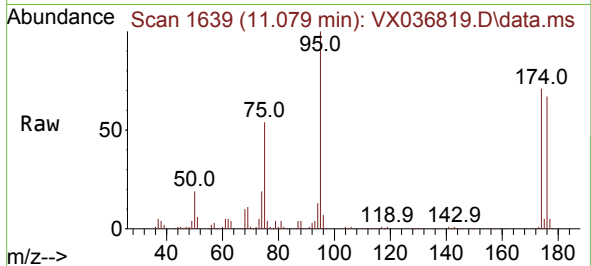




#76
1,2,3-Trichloropropane
Concen: 24.112 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP6

Tgt Ion: 75 Resp: 64470
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.652 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036819.D
Acq: 04 Aug 2023 18:43

Tgt Ion: 75 Resp: 64470
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

