

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
 Data File : VX036845.D
 Acq On : 07 Aug 2023 18:29
 Operator : JC/MD
 Sample : 03895-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP11

Quant Time: Aug 08 01:39:58 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

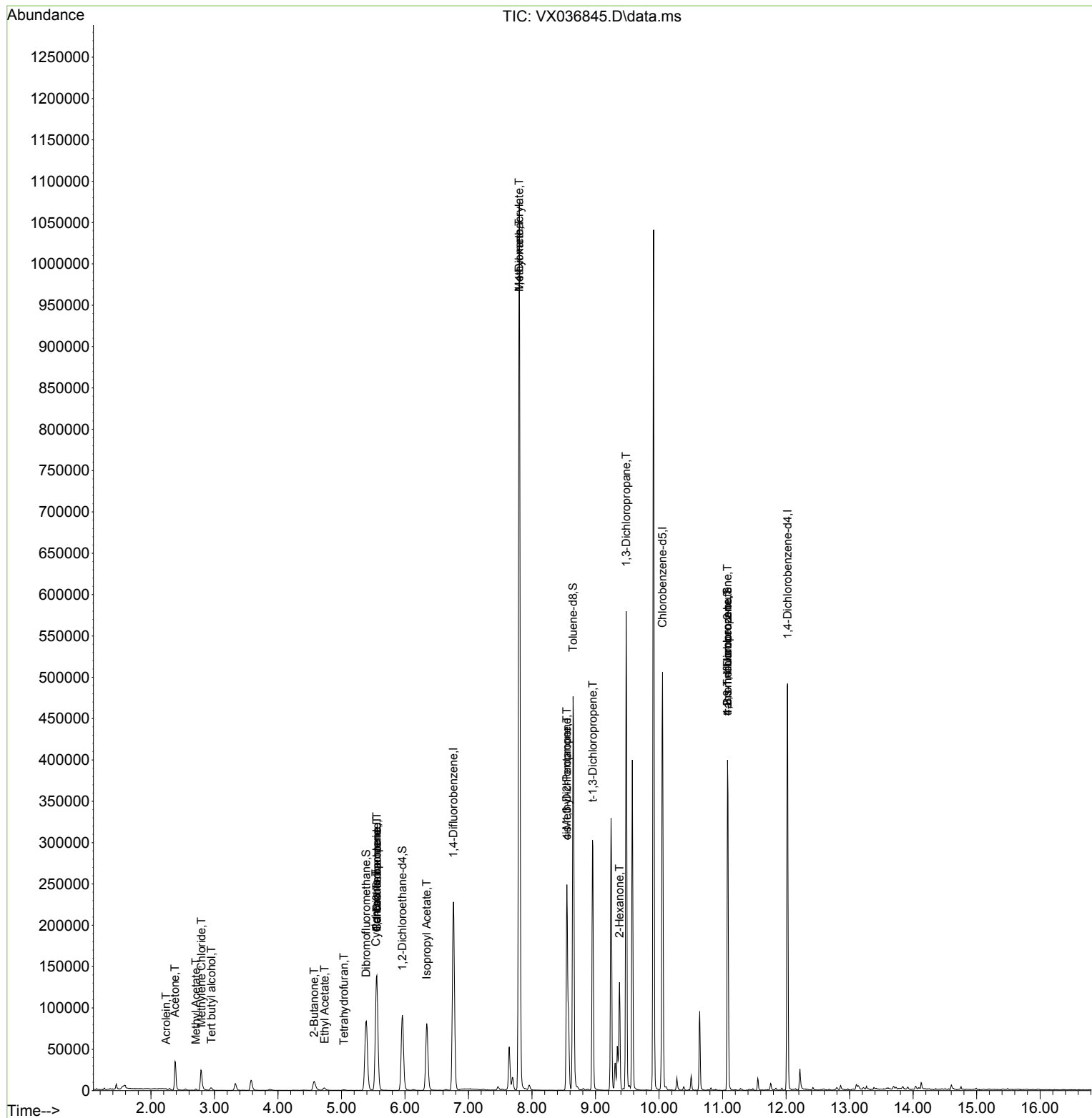
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	128397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234236	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89054	46.875	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.740%
35) Dibromofluoromethane	5.385	113	75463	46.871	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.740%
50) Toluene-d8	8.647	98	282879	49.546	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.100%
62) 4-Bromofluorobenzene	11.079	95	111309	51.674	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	2344	5.212	ug/l #	78
13) Acrolein	2.239	56	176	0.686	ug/l #	29
16) Acetone	2.380	43	37446	47.499	ug/l	93
18) Methyl Acetate	2.709	43	1964	0.592	ug/l	96
20) Methylene Chloride	2.794	84	13373	7.627	ug/l #	85
25) 2-Butanone	4.568	43	16774	13.114	ug/l	95
29) Tetrahydrofuran	5.038	42	765	0.928	ug/l #	64
31) Cyclohexane	5.544	56	2867	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10698	4.458	ug/l #	51
37) Ethyl Acetate	4.733	43	4821	1.775	ug/l #	96
38) Carbon Tetrachloride	5.556	117	13786	5.404	ug/l #	16
43) Isopropyl Acetate	6.342	43	111629	23.876	ug/l #	96
48) Methyl methacrylate	7.799	41	91371	42.023	ug/l #	48
49) 1,4-Dioxane	7.799	88	206	4.690	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	124136	47.978	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	643	0.212	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	41370	12.953	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	4886	1.595	ug/l #	42
59) 2-Hexanone	9.378	43	93652	48.771	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	58090	23.890	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	58090	54.149	ug/l #	5

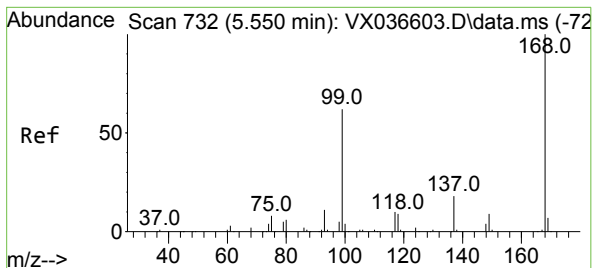
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
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: VX036845.D

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Instrument :

MSVOA_X

ClientSampleId :

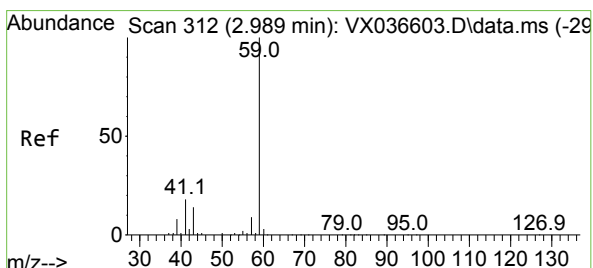
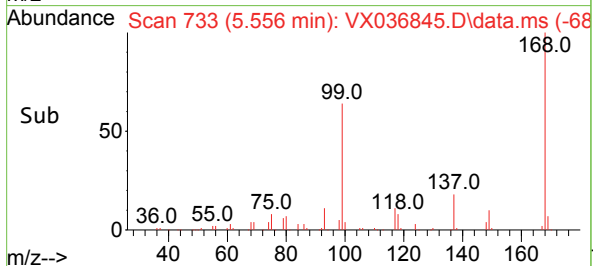
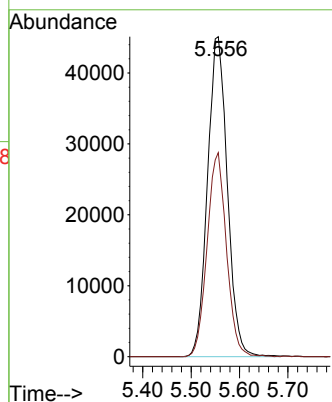
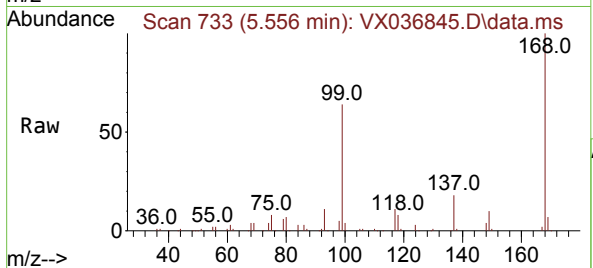
MCLEAN-TP11

Tgt Ion:168 Resp: 128397

Ion Ratio Lower Upper

168 100

99 63.8 56.6 85.0



#11

Tert butyl alcohol

Concen: 5.212 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.036 min

Lab File: VX036845.D

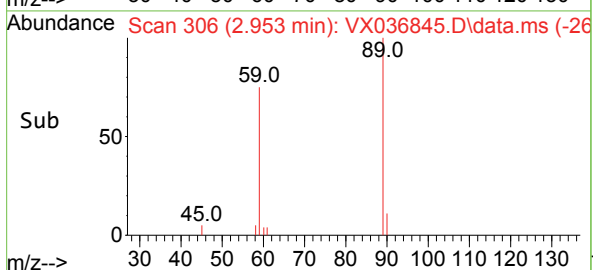
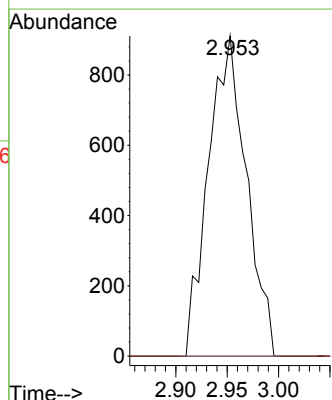
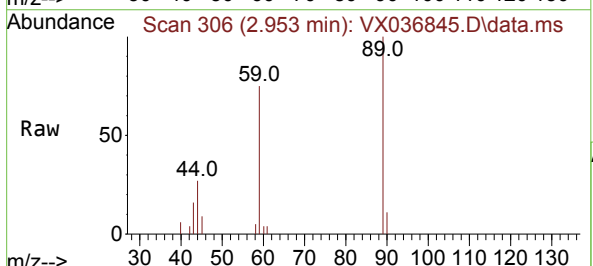
Acq: 07 Aug 2023 18:29

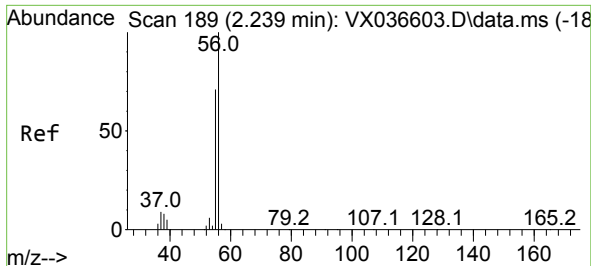
Tgt Ion: 59 Resp: 2344

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.686 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036845.D

Acq: 07 Aug 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

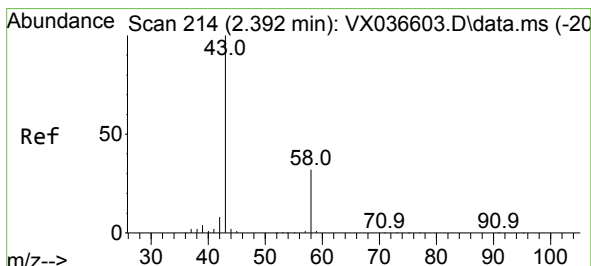
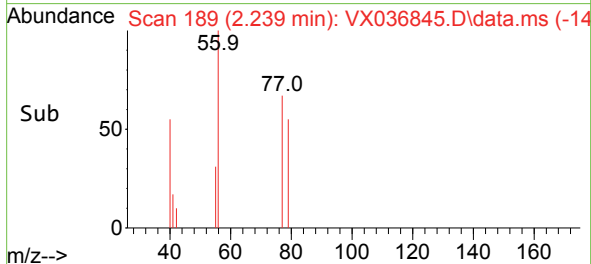
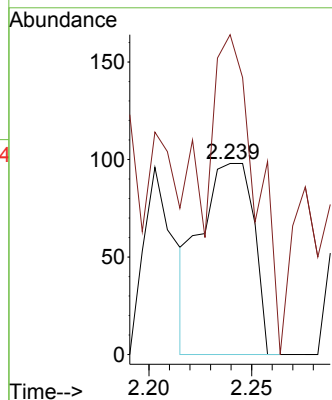
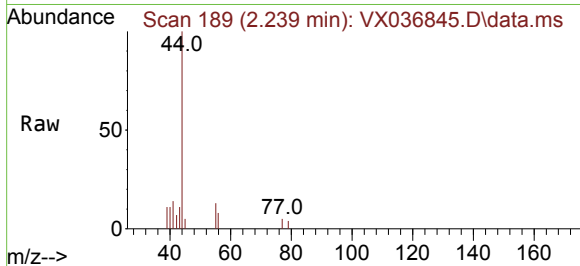
MCLEAN-TP11

Tgt Ion: 56 Resp: 176

Ion Ratio Lower Upper

56 100

55 130.1 57.1 85.7#



#16

Acetone

Concen: 47.499 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX036845.D

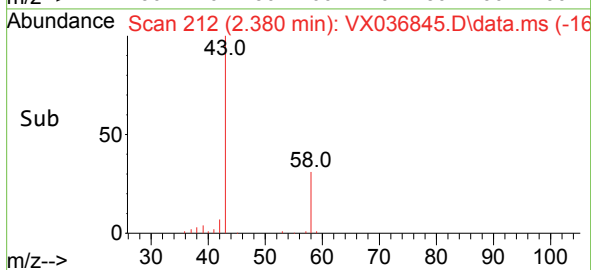
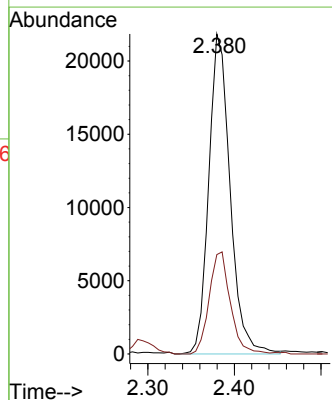
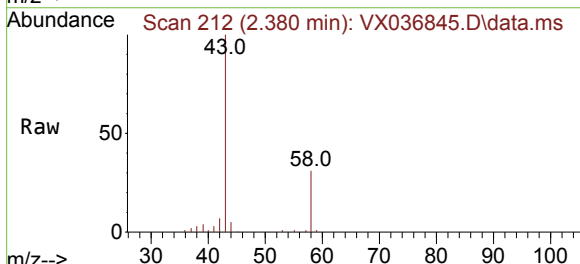
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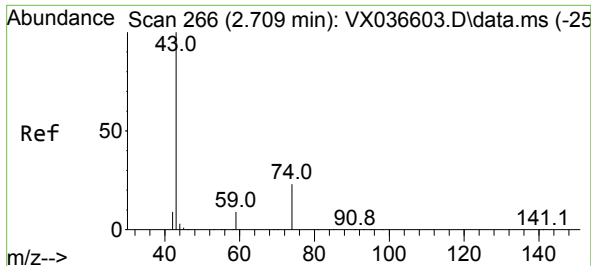
Tgt Ion: 43 Resp: 37446

Ion Ratio Lower Upper

43 100

58 31.0 21.9 32.9

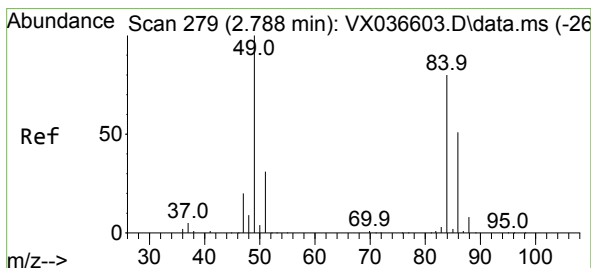
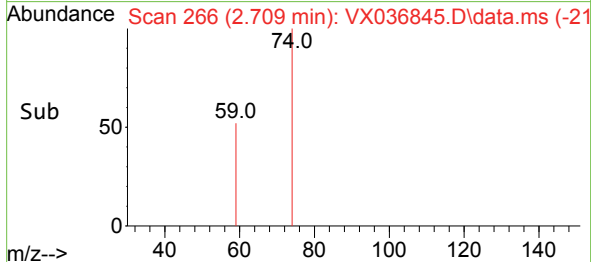
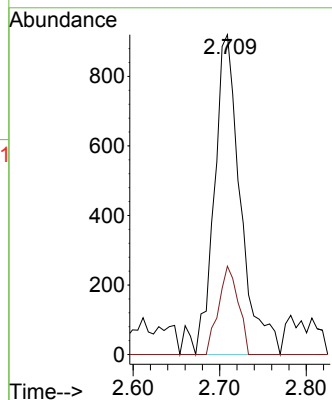
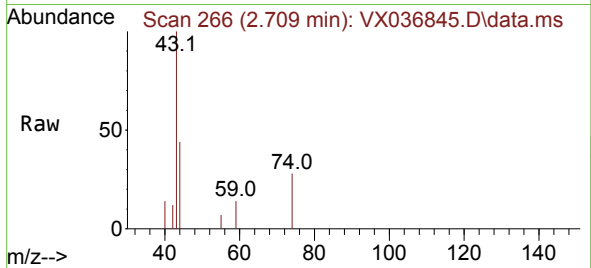




#18
Methyl Acetate
Concen: 0.592 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

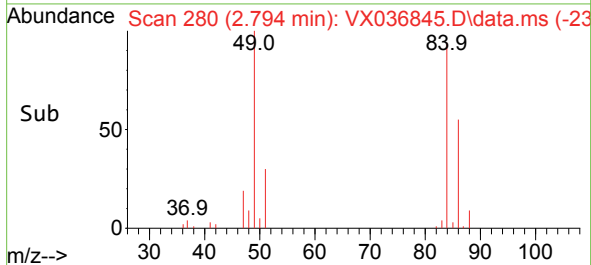
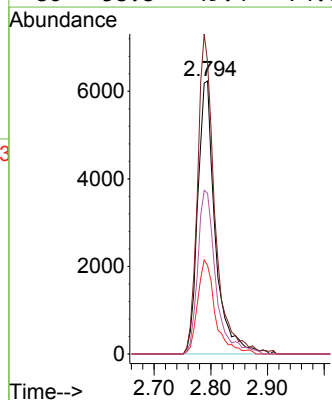
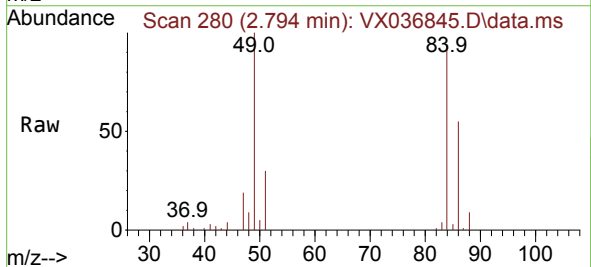
Instrument :
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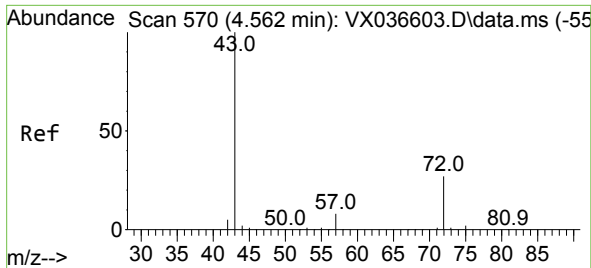
Tgt Ion: 43 Resp: 1964
Ion Ratio Lower Upper
43 100
74 20.5 17.8 26.8



#20
Methylene Chloride
Concen: 7.627 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

Tgt Ion: 84 Resp: 13373
Ion Ratio Lower Upper
84 100
49 106.9 103.6 155.4
51 32.4 33.8 50.6#
86 58.8 49.4 74.0

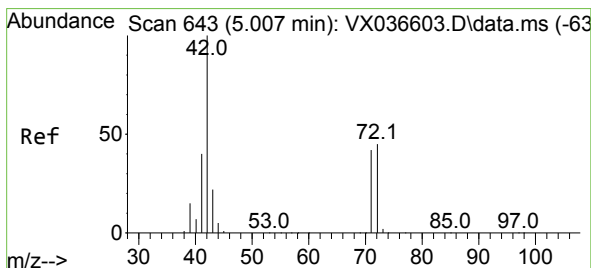
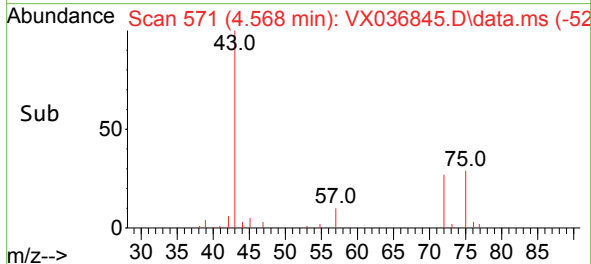
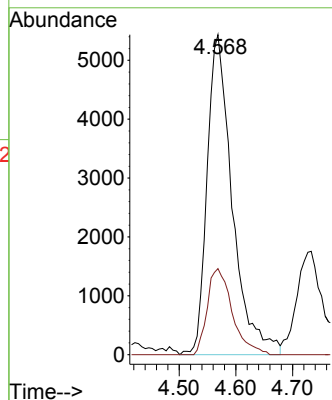
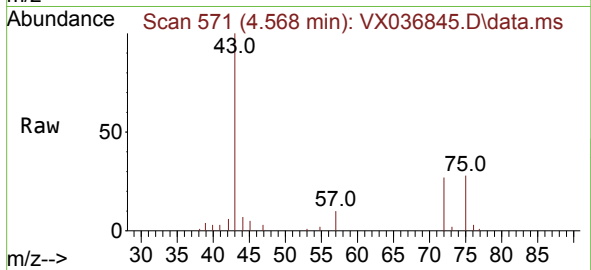




#25
2-Butanone
Concen: 13.114 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

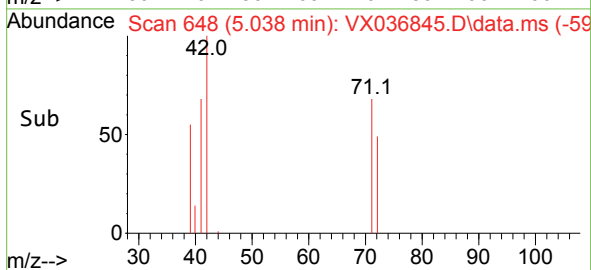
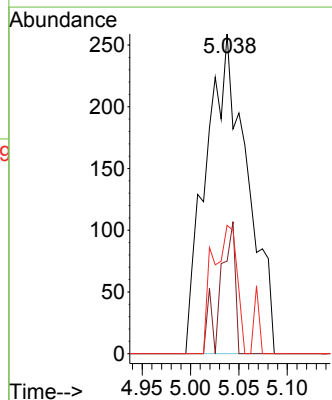
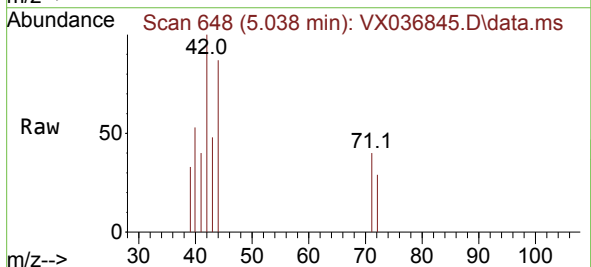
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP11

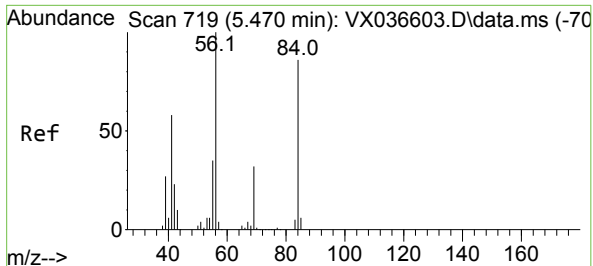
Tgt Ion: 43 Resp: 16774
Ion Ratio Lower Upper
43 100
72 26.9 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.928 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

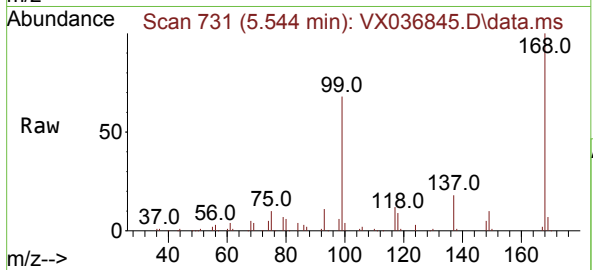
Tgt Ion: 42 Resp: 765
Ion Ratio Lower Upper
42 100
72 14.8 34.2 51.4#
71 23.4 32.2 48.2#



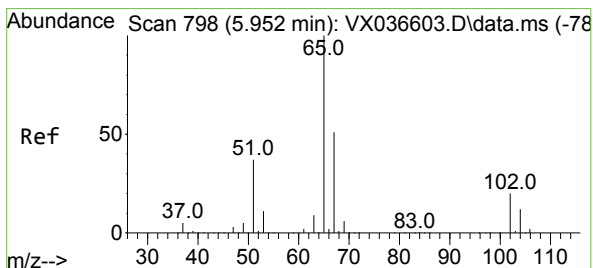
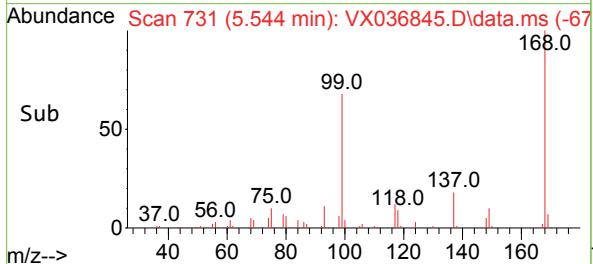
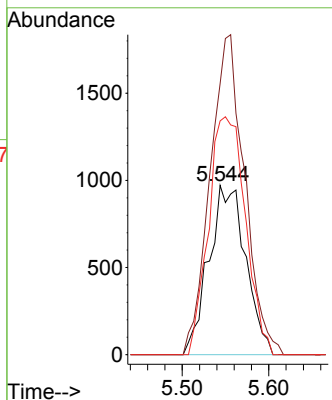


#31
Cyclohexane
Concen: 1.090 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

Instrument :
MSVOA_X
ClientSampleId :
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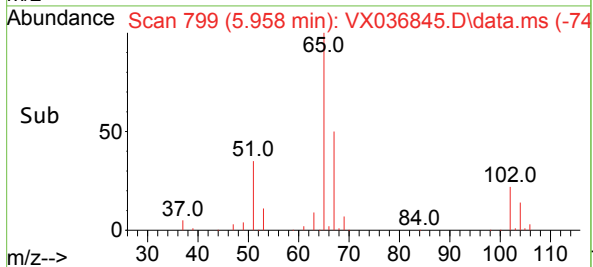
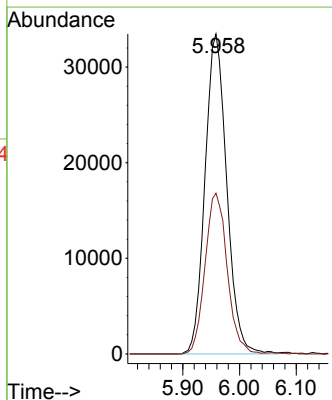
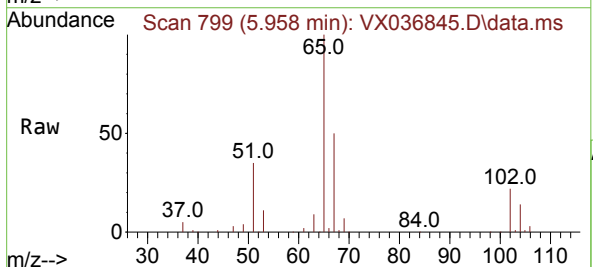


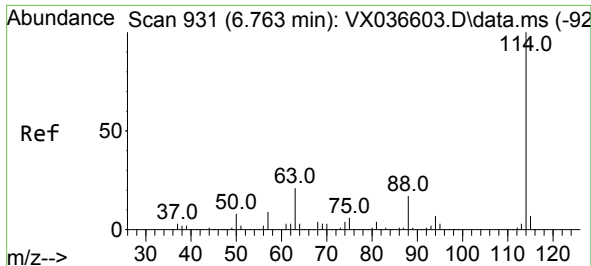
Tgt Ion: 56 Resp: 2867
Ion Ratio Lower Upper
56 100
69 160.1 23.4 35.2#
84 138.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.875 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

Tgt Ion: 65 Resp: 89054
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2

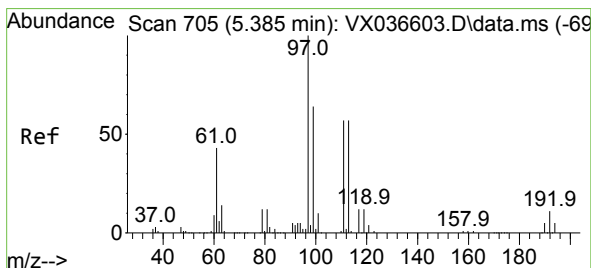
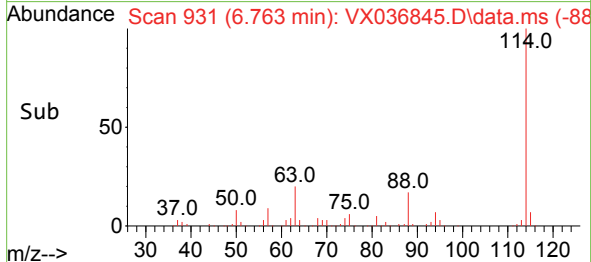
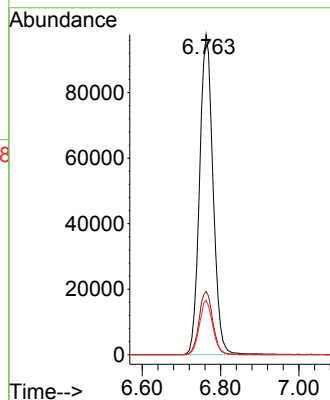
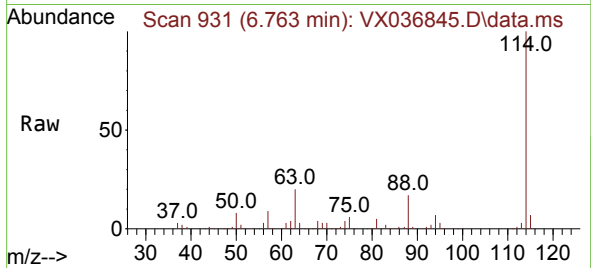




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

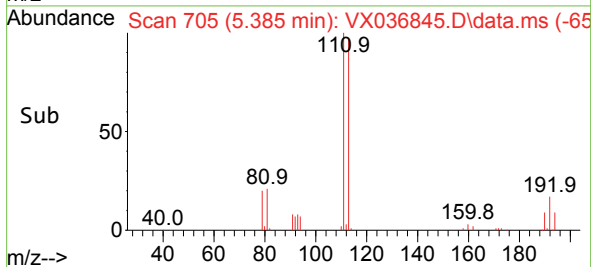
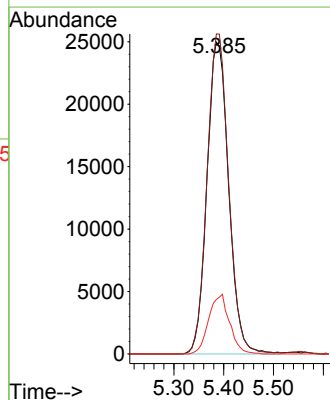
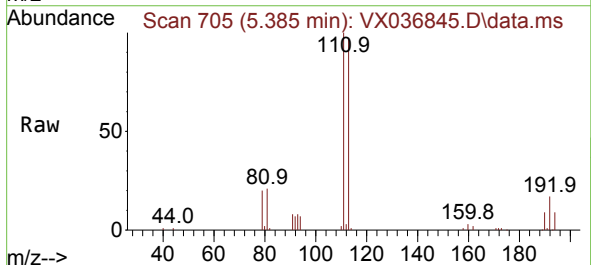
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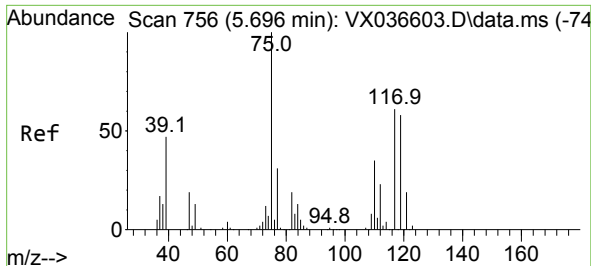
Tgt Ion:114 Resp: 234236
Ion Ratio Lower Upper
114 100
63 19.8 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.871 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

Tgt Ion:113 Resp: 75463
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 18.4 13.3 19.9

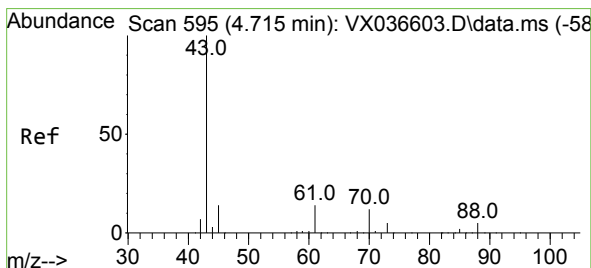
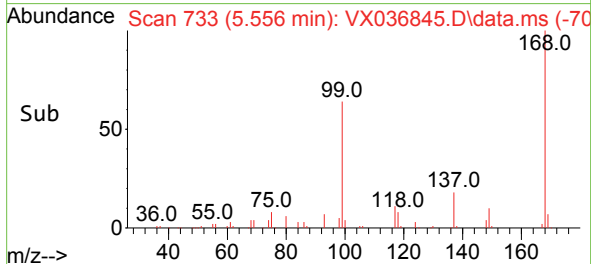
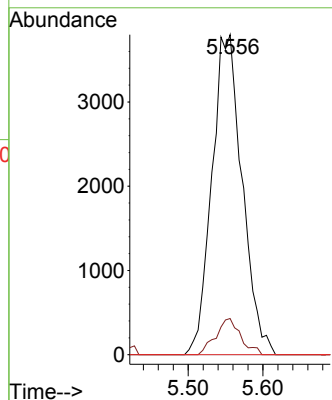
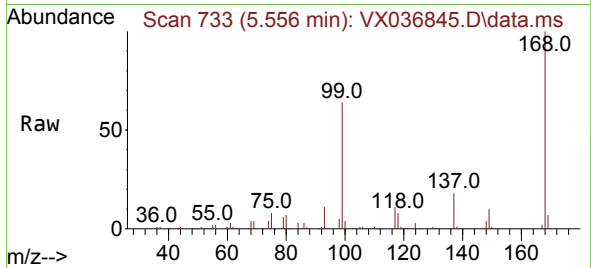




#36
1,1-Dichloropropene
Concen: 4.458 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

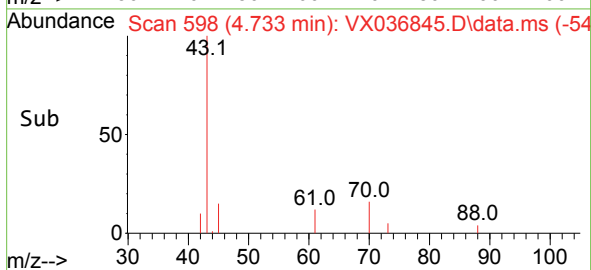
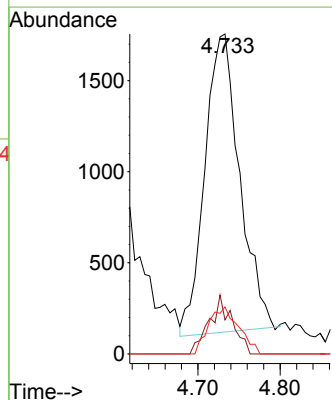
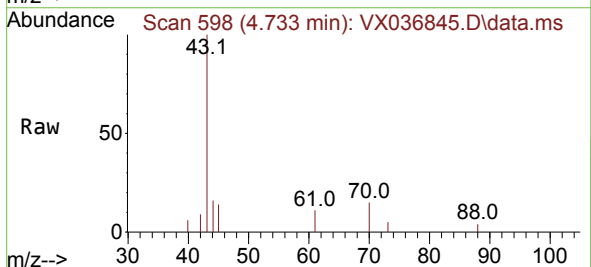
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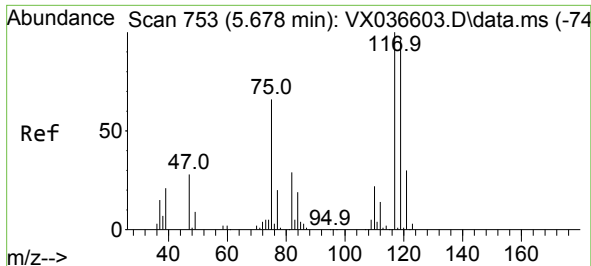
Tgt Ion: 75 Resp: 10698
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.775 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

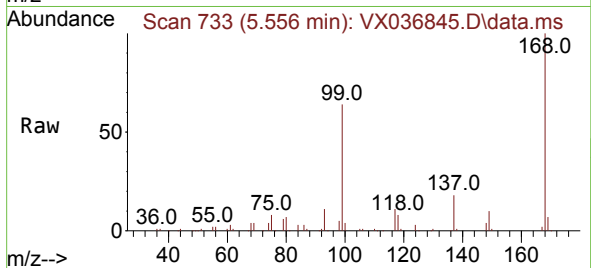
Tgt Ion: 43 Resp: 4821
Ion Ratio Lower Upper
43 100
61 12.9 10.6 16.0
70 13.6 8.3 12.5#



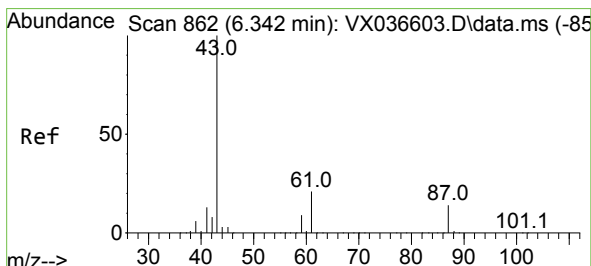
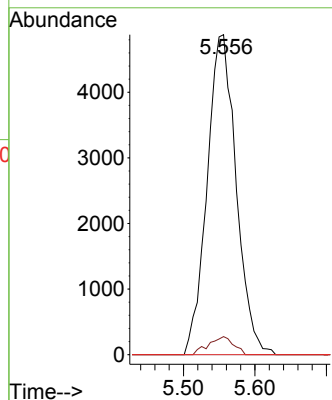
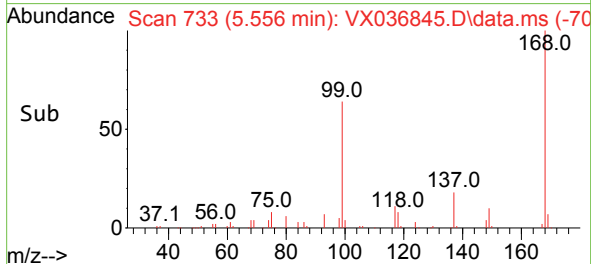


#38
Carbon Tetrachloride
Concen: 5.404 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP11

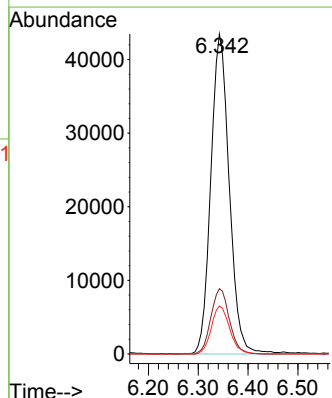
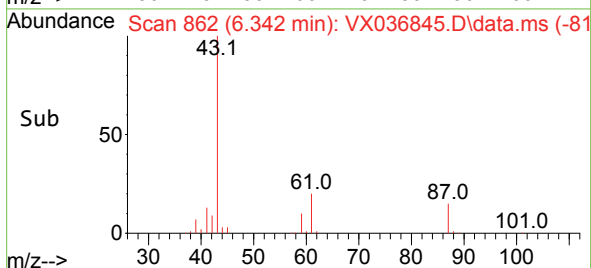
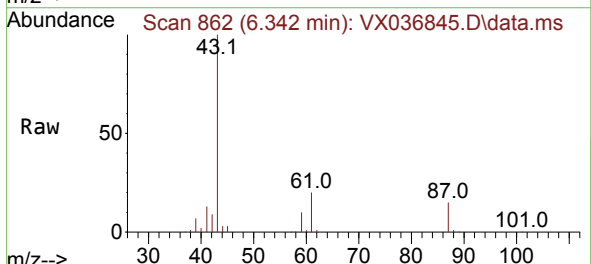


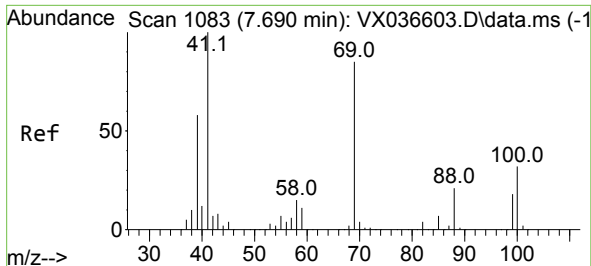
Tgt Ion:117 Resp: 13786
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 23.876 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

Tgt Ion: 43 Resp: 111629
Ion Ratio Lower Upper
43 100
61 20.4 15.2 22.8
87 14.8 9.8 14.6#

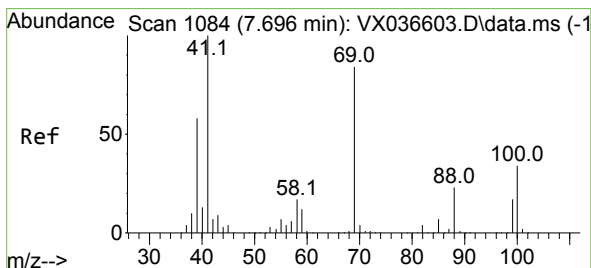
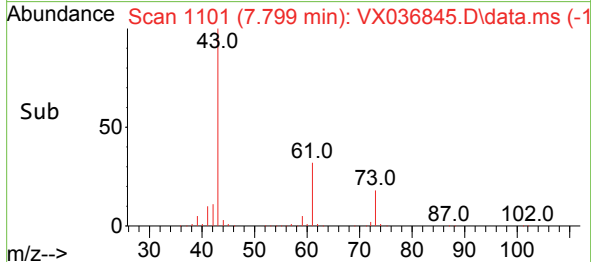
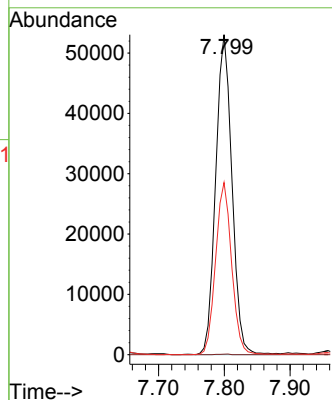
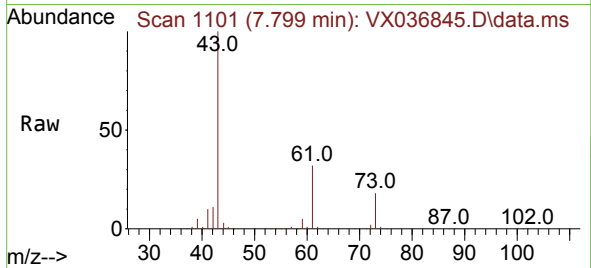




#48
Methyl methacrylate
Concen: 42.023 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

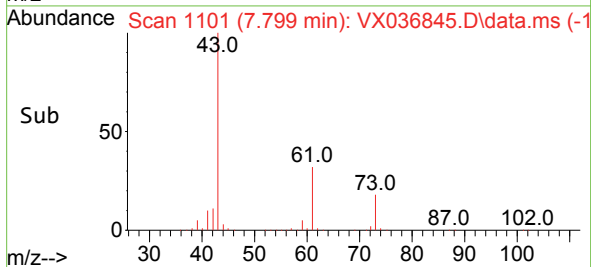
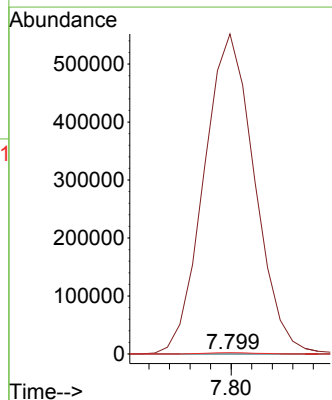
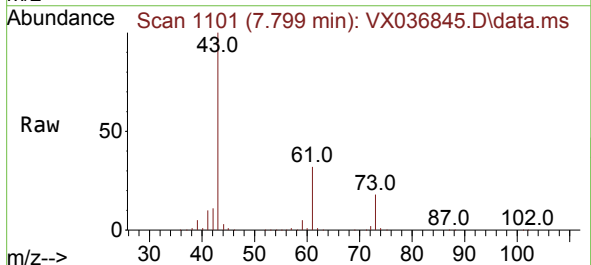
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP11

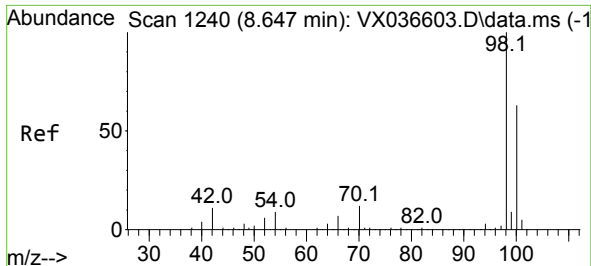
Tgt Ion: 41 Resp: 91371
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 53.1 47.7 71.5



#49
1,4-Dioxane
Concen: 4.690 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

Tgt Ion: 88 Resp: 206
Ion Ratio Lower Upper
88 100
43 462564.1 0.0 0.0#
58 1851.9 60.1 90.1#

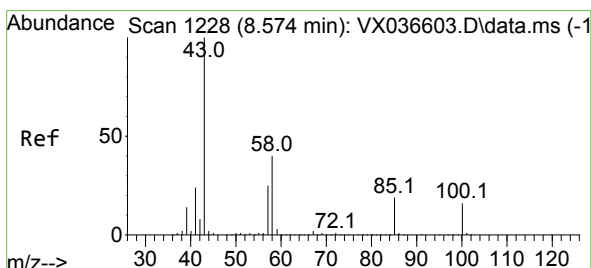
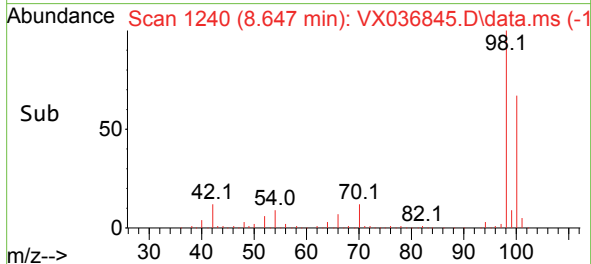
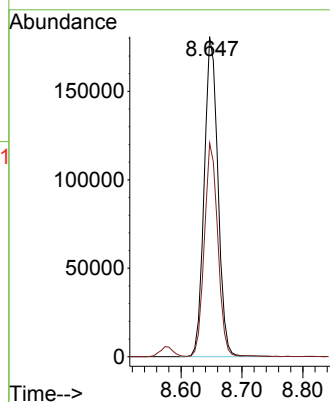
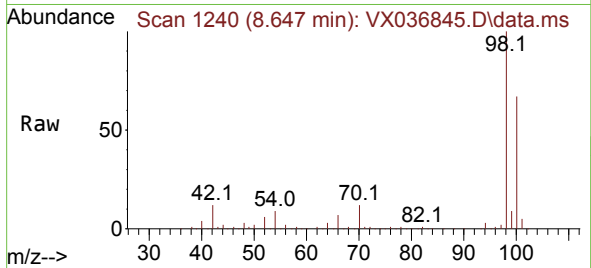




#50
Toluene-d8
Concen: 49.546 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

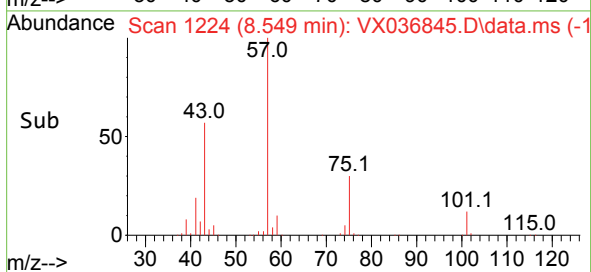
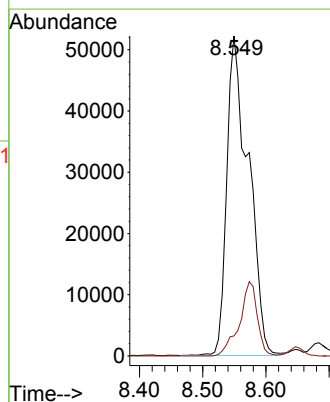
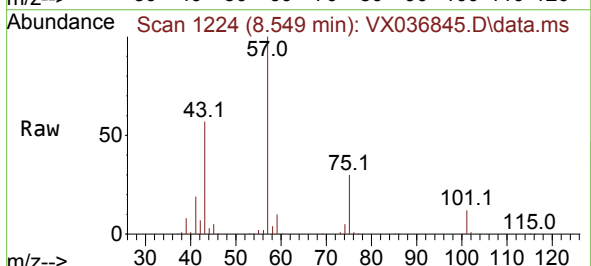
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP11

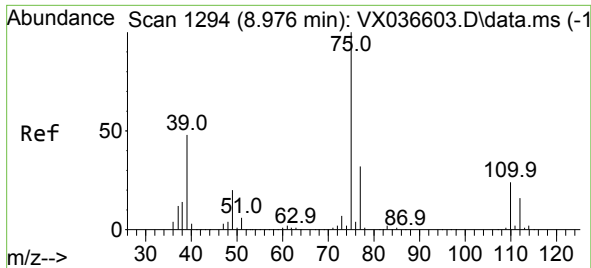
Tgt Ion: 98 Resp: 282879
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 47.978 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

Tgt Ion: 43 Resp: 124136
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

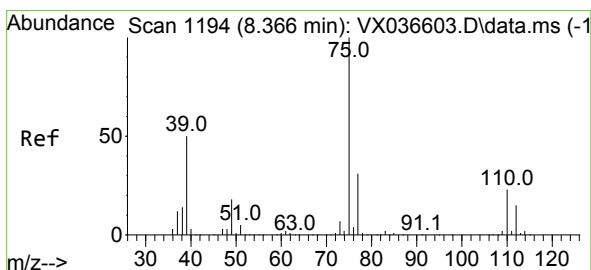
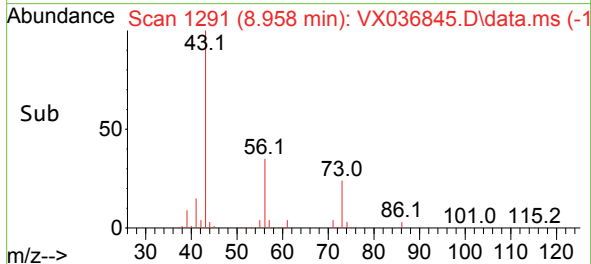
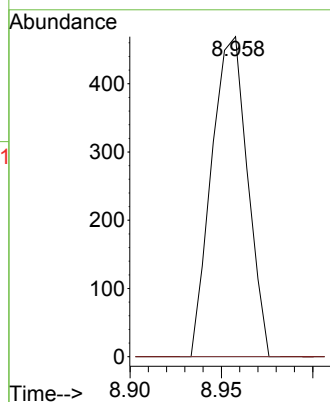
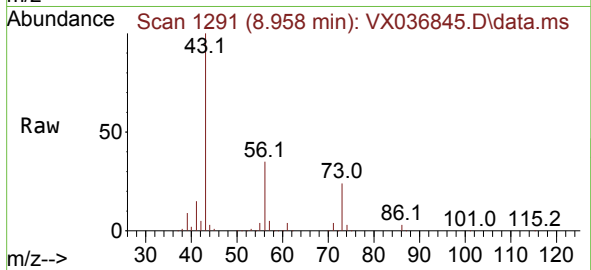




#53
 t-1,3-Dichloropropene
 Concen: 0.212 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX036845.D
 Acq: 07 Aug 2023 18:29

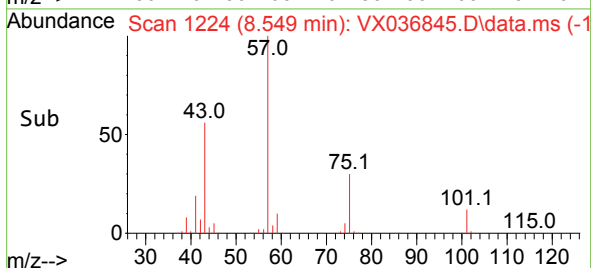
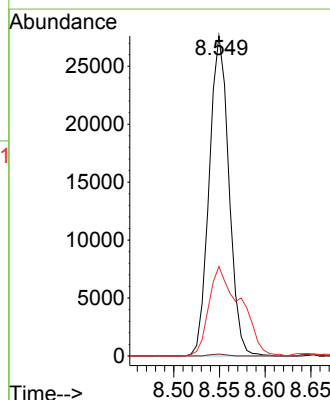
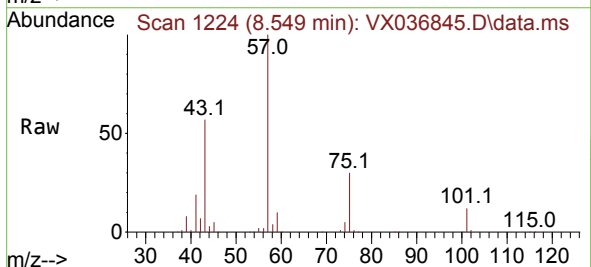
Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP11

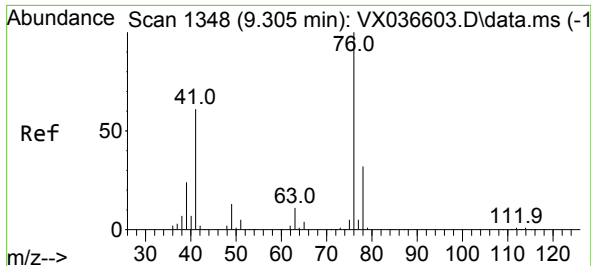
Tgt Ion: 75 Resp: 643
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.953 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036845.D
 Acq: 07 Aug 2023 18:29

Tgt Ion: 75 Resp: 41370
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 27.9 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.595 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX036845.D

Acq: 07 Aug 2023 18:29

Instrument :

MSVOA_X

ClientSampleId :

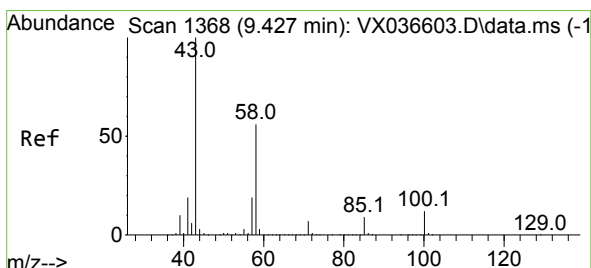
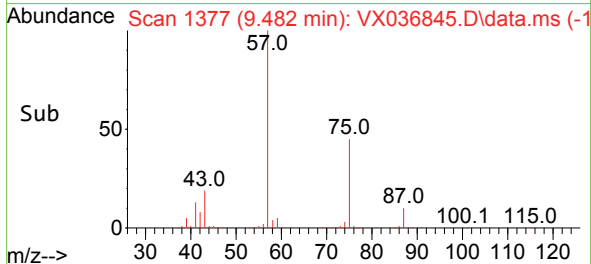
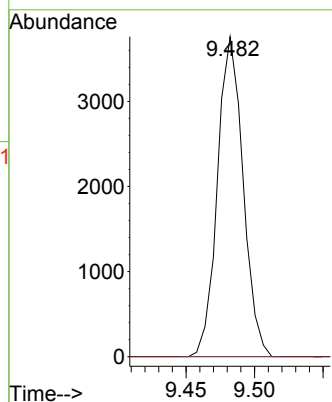
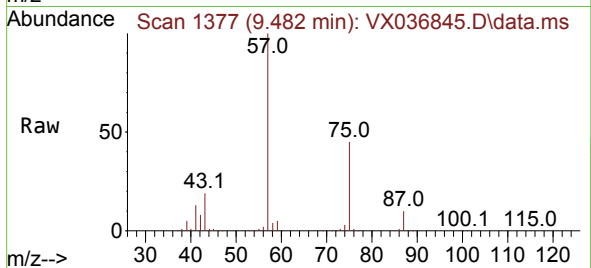
MCLEAN-TP11

Tgt Ion: 76 Resp: 4886

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 48.771 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036845.D

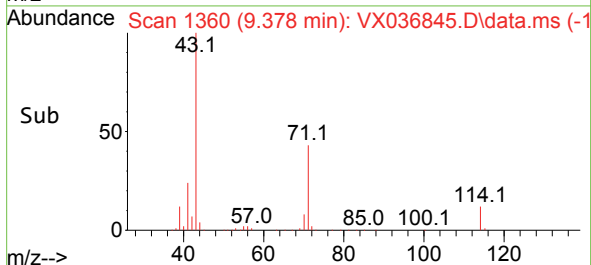
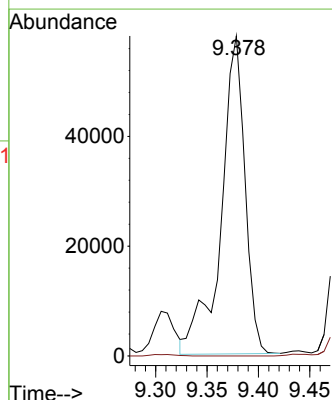
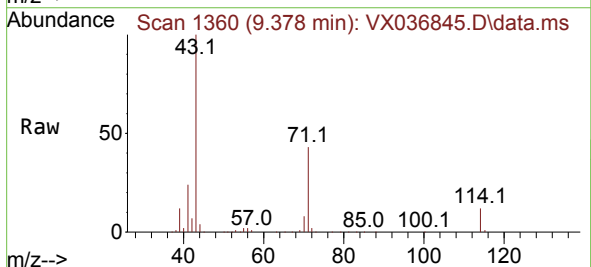
Acq: 07 Aug 2023 18:29

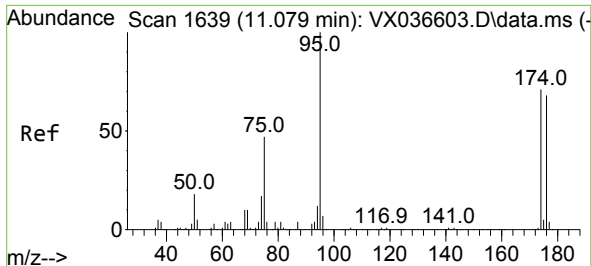
Tgt Ion: 43 Resp: 93652

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

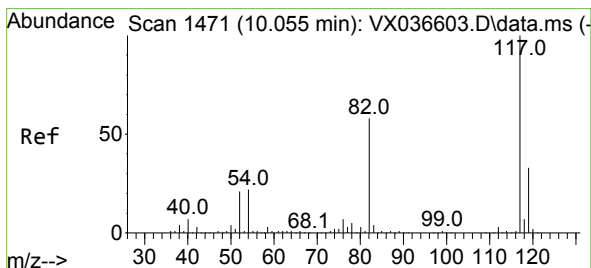
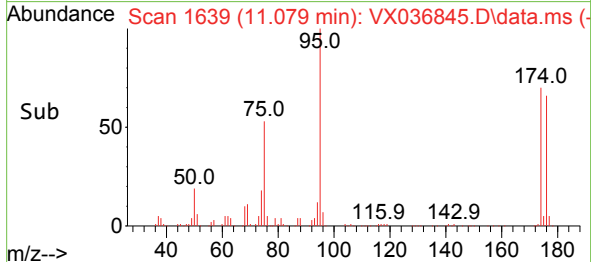
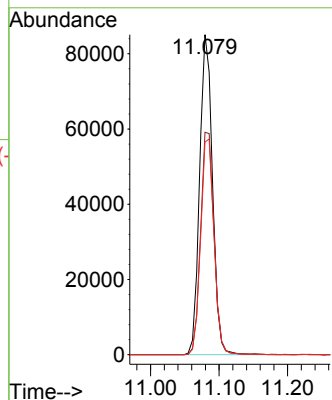
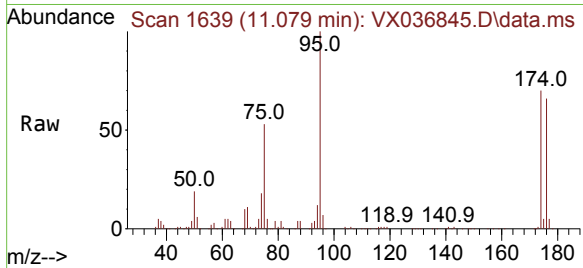




#62
4-Bromofluorobenzene
Concen: 51.674 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

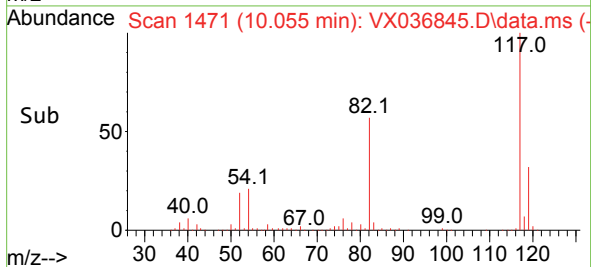
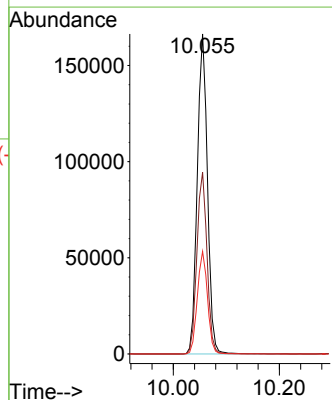
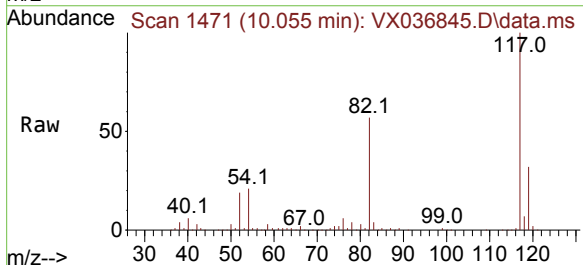
Instrument :
MSVOA_X
ClientSampleId :
MCLEAN-TP11

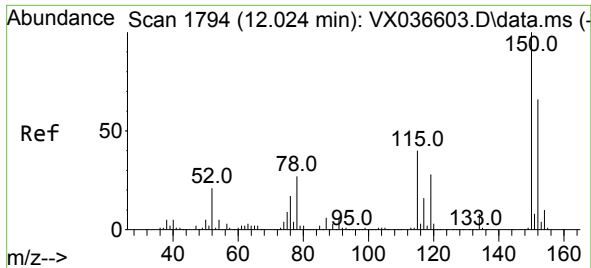
Tgt Ion: 95 Resp: 111309
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 69.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036845.D
Acq: 07 Aug 2023 18:29

Tgt Ion: 117 Resp: 221479
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.4
119 32.0 25.5 38.3

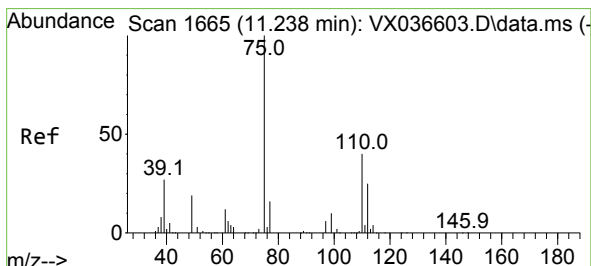
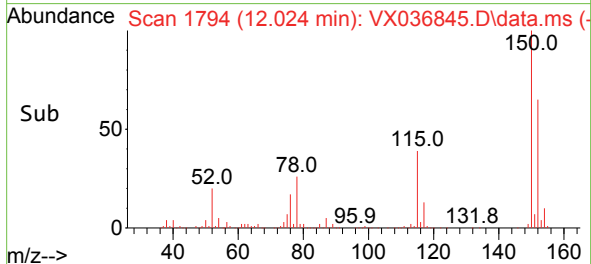
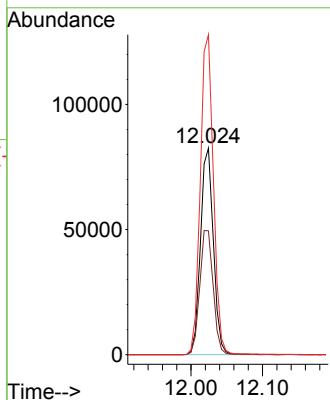
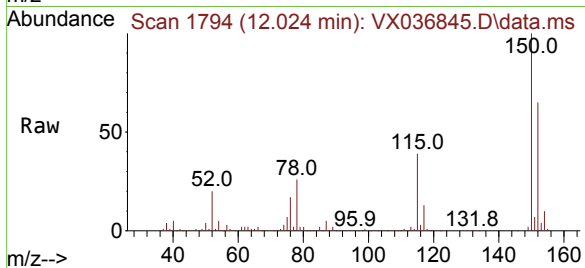




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036845.D
 Acq: 07 Aug 2023 18:29

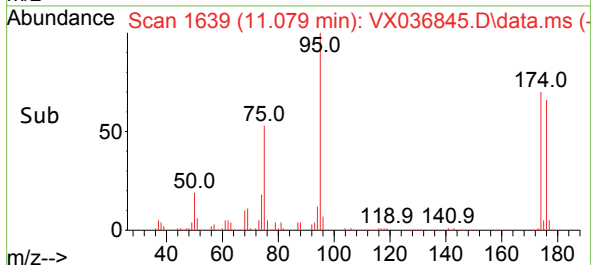
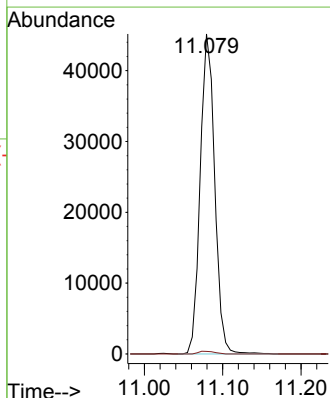
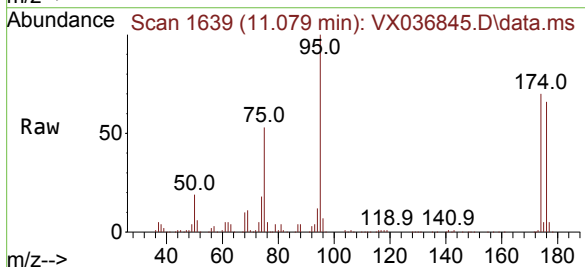
Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP11

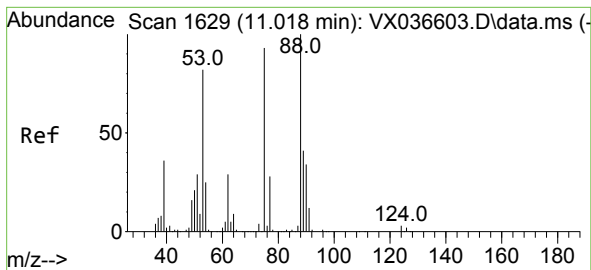
Tgt Ion:152 Resp: 103376
 Ion Ratio Lower Upper
 152 100
 115 62.6 43.3 129.9
 150 157.2 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 23.890 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX036845.D
 Acq: 07 Aug 2023 18:29

Tgt Ion: 75 Resp: 58090
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.149 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036845.D
 Acq: 07 Aug 2023 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MCLEAN-TP11

Tgt Ion: 75 Resp: 58090
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

