

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
 Data File : VX036817.D
 Acq On : 04 Aug 2023 17:55
 Operator : JC/MD
 Sample : 03877-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

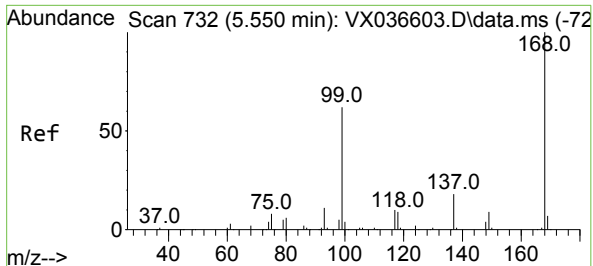
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-2

Quant Time: Aug 04 23:09:00 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	134395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	244026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95962	48.257	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.520%		
35) Dibromofluoromethane	5.385	113	80137	47.777	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.560%		
50) Toluene-d8	8.647	98	296046	49.772	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.540%		
62) 4-Bromofluorobenzene	11.079	95	110597	49.283	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.560%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	548	1.164	ug/l #	78
13) Acrolein	2.221	56	173	0.644	ug/l #	22
16) Acetone	2.380	43	40200	48.717	ug/l	93
18) Methyl Acetate	2.709	43	2720	0.784	ug/l	97
20) Methylene Chloride	2.788	84	7230	3.940	ug/l	84
25) 2-Butanone	4.562	43	17564	13.119	ug/l #	83
29) Tetrahydrofuran	5.026	42	695	0.805	ug/l #	79
31) Cyclohexane	5.550	56	3091	1.123	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11240	4.496	ug/l #	52
37) Ethyl Acetate	4.721	43	6042	2.135	ug/l #	94
38) Carbon Tetrachloride	5.550	117	14919	5.613	ug/l #	15
41) Methacrylonitrile	5.026	41	468	0.309	ug/l #	34
43) Isopropyl Acetate	6.342	43	135772	27.875	ug/l	96
48) Methyl methacrylate	7.799	41	108417	47.862	ug/l #	49
49) 1,4-Dioxane	7.799	88	162	3.540	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	149401	55.426	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	881	0.279	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	50327	15.125	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	6175	1.935	ug/l #	42
59) 2-Hexanone	9.378	43	115935	57.953	ug/l #	26
74) N-amyl acetate	10.890	43	1032	0.262	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	58029	24.190	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	58029	54.829	ug/l #	5

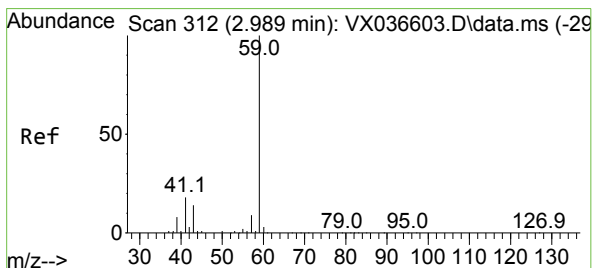
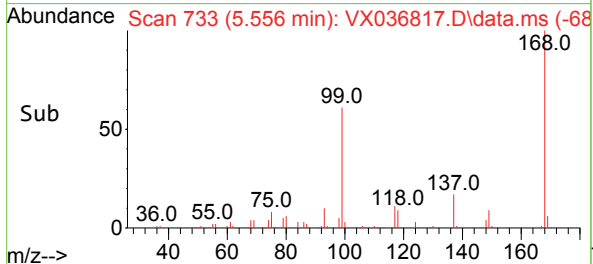
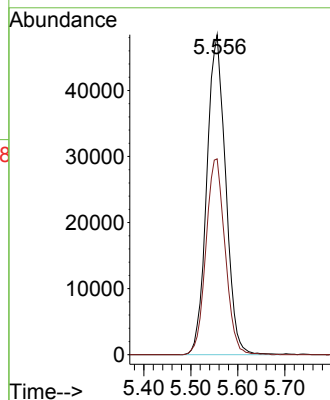
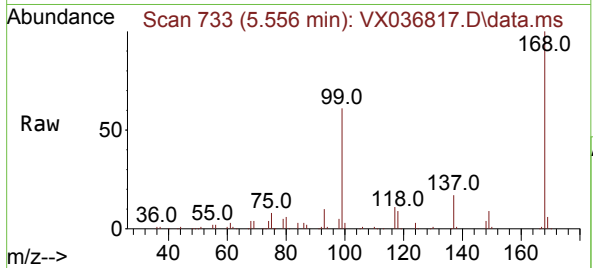
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036817.D
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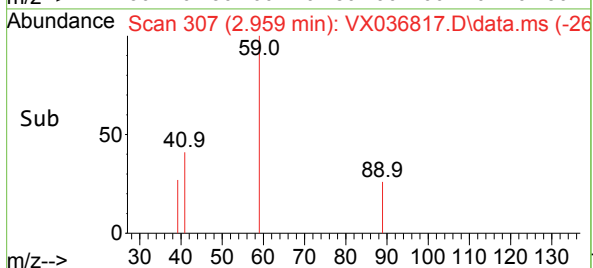
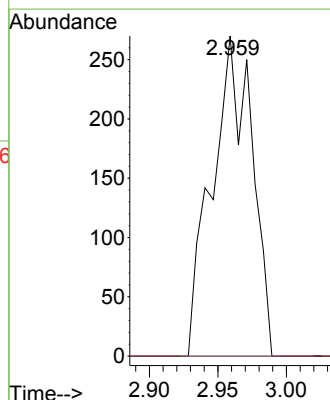
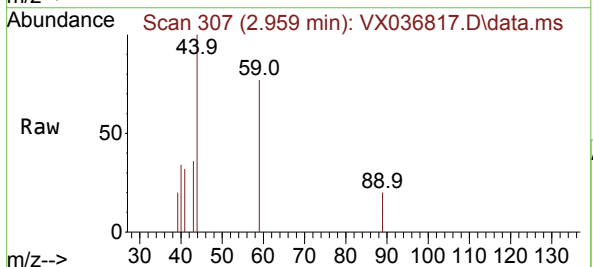
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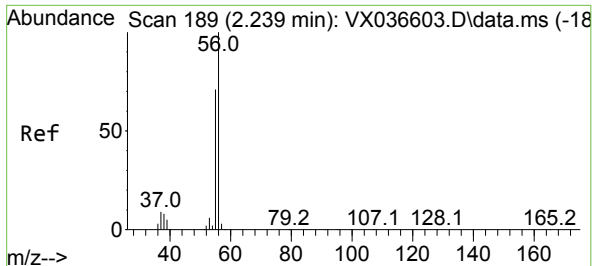
Tgt Ion:168 Resp: 134395
Ion Ratio Lower Upper
168 100
99 61.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.164 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

Tgt Ion: 59 Resp: 548
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

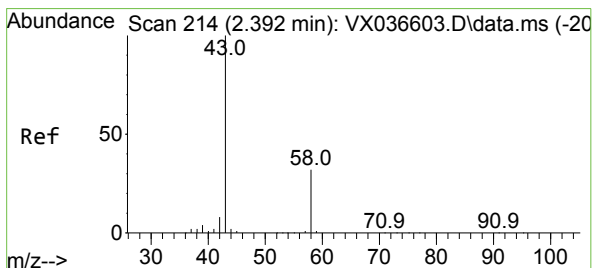
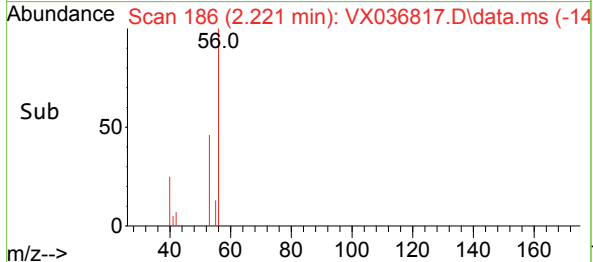
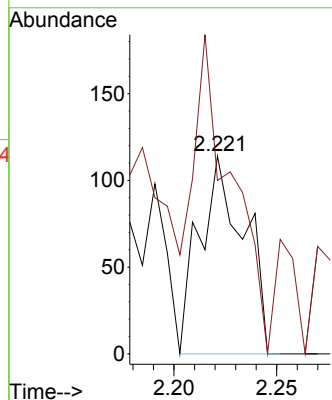
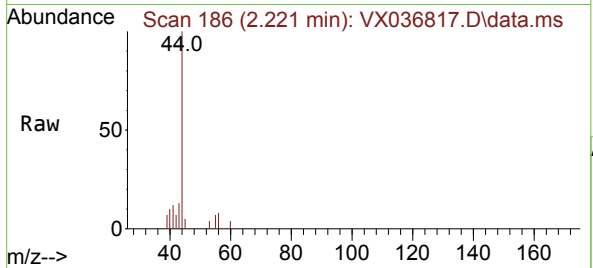




#13
Acrolein
Concen: 0.644 ug/l
RT: 2.221 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

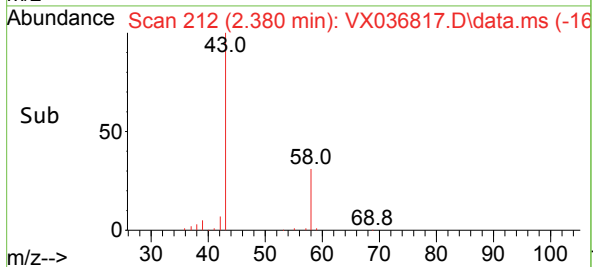
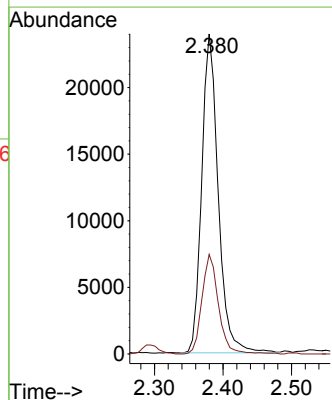
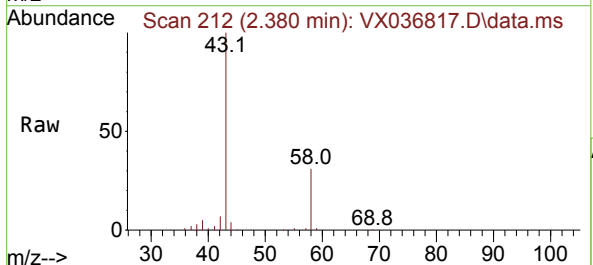
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ClientSampleId :
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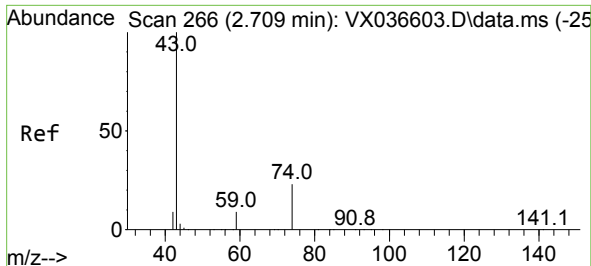
Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 136.4 57.1 85.7#



#16
Acetone
Concen: 48.717 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

Tgt Ion: 43 Resp: 40200
Ion Ratio Lower Upper
43 100
58 31.2 21.9 32.9

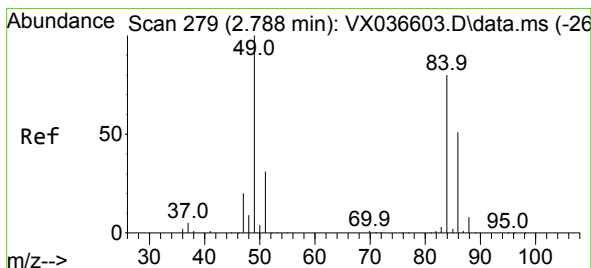
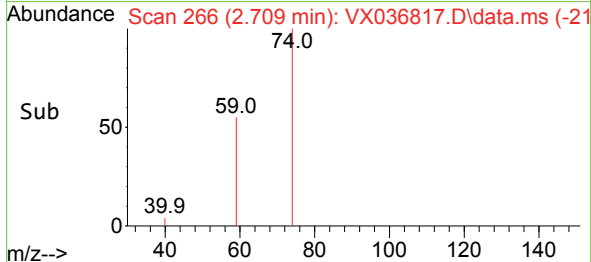
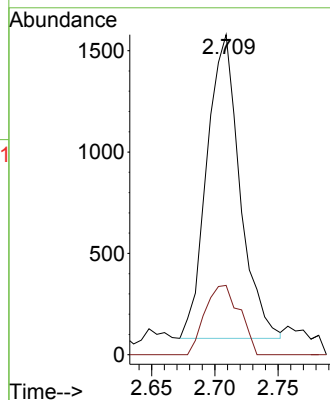
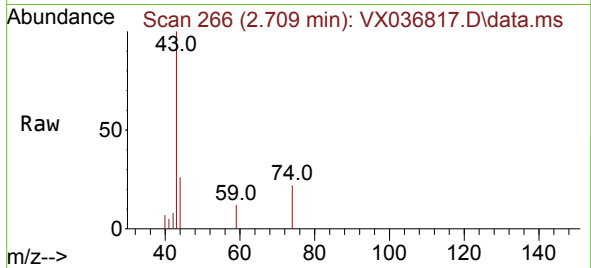




#18
Methyl Acetate
Concen: 0.784 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

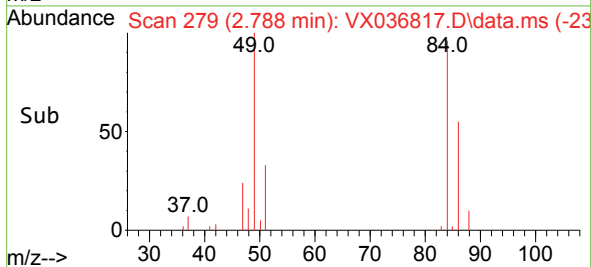
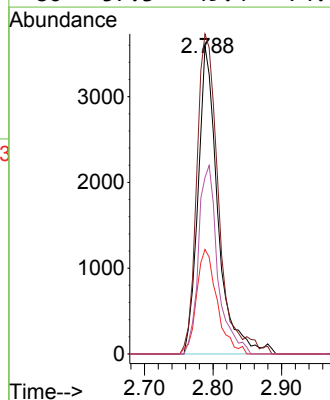
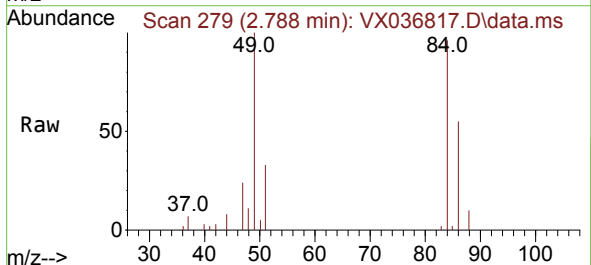
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ClientSampleId :
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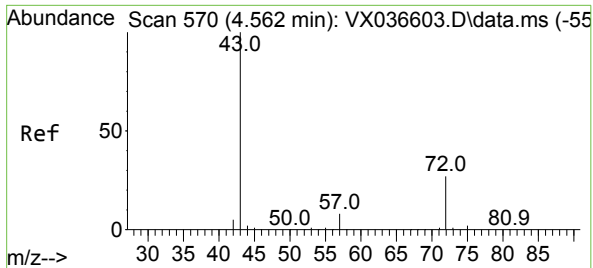
Tgt Ion: 43 Resp: 2720
Ion Ratio Lower Upper
43 100
74 24.0 17.8 26.8



#20
Methylene Chloride
Concen: 3.940 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

Tgt Ion: 84 Resp: 7230
Ion Ratio Lower Upper
84 100
49 104.0 103.6 155.4
51 33.9 33.8 50.6
86 57.3 49.4 74.0

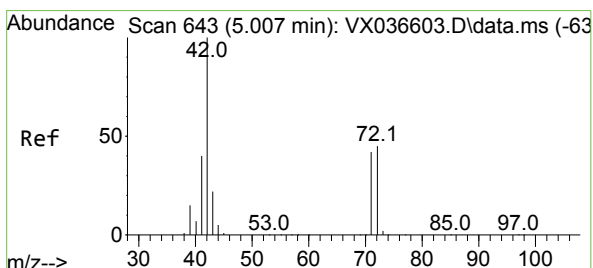
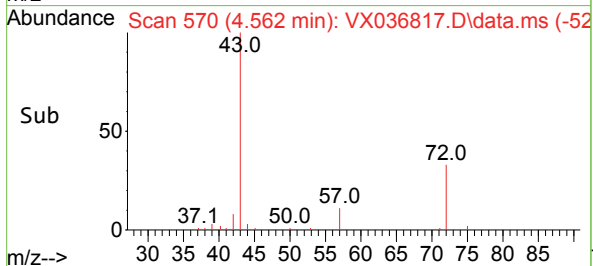
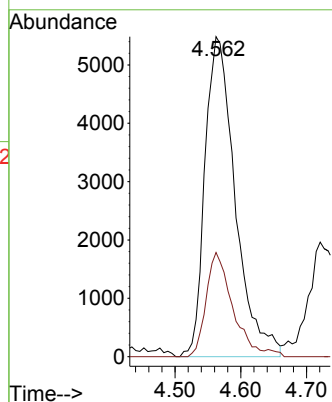
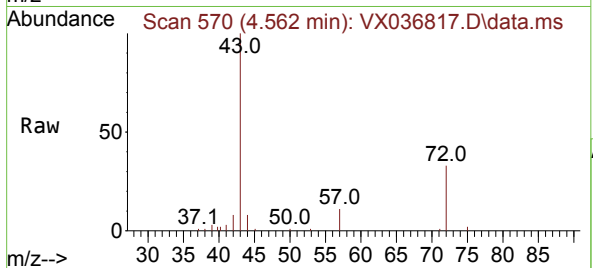




#25
2-Butanone
Concen: 13.119 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

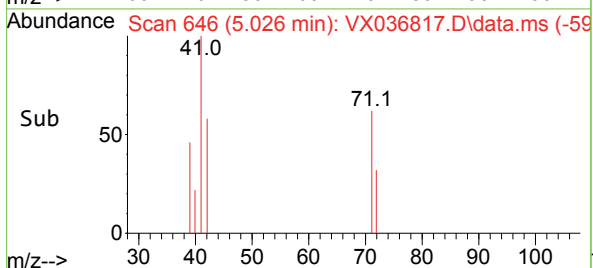
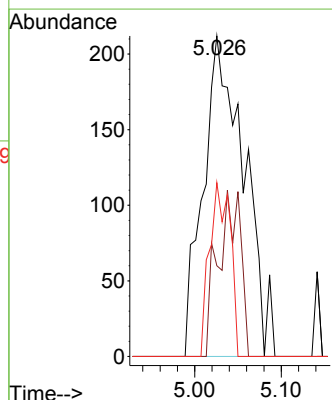
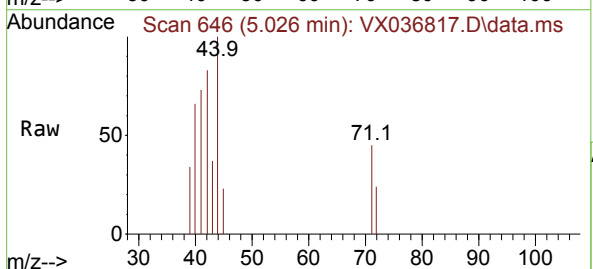
Instrument :
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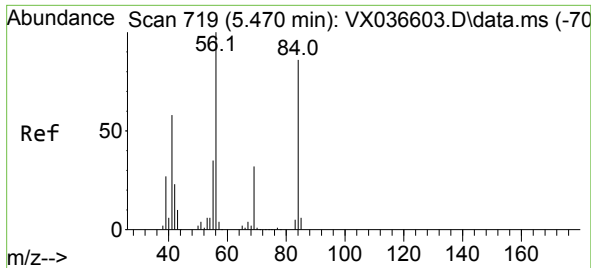
Tgt Ion: 43 Resp: 17564
Ion Ratio Lower Upper
43 100
72 32.5 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.805 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

Tgt Ion: 42 Resp: 695
Ion Ratio Lower Upper
42 100
72 28.6 34.2 51.4#
71 27.5 32.2 48.2#

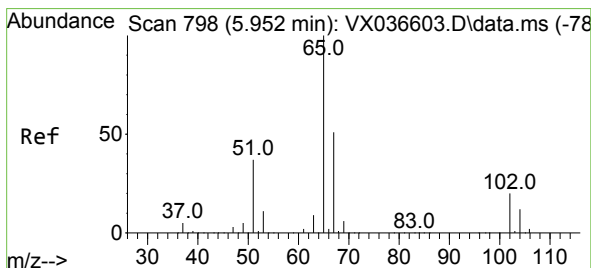
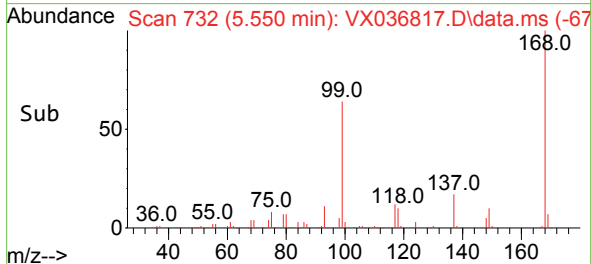
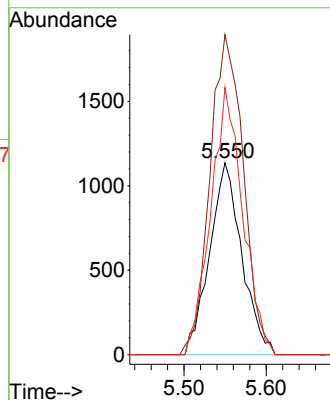
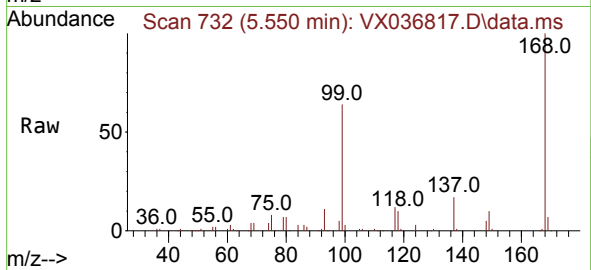




#31
Cyclohexane
Concen: 1.123 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

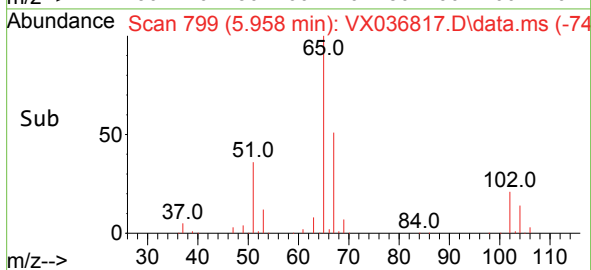
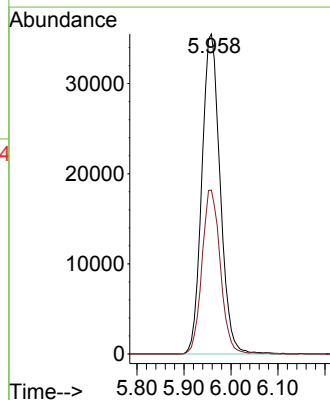
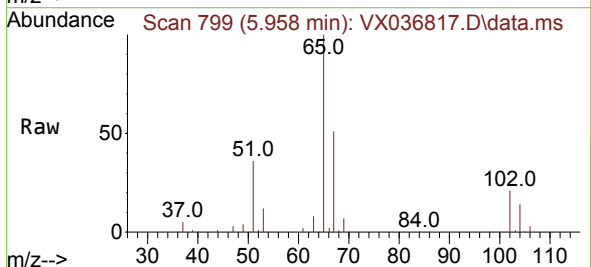
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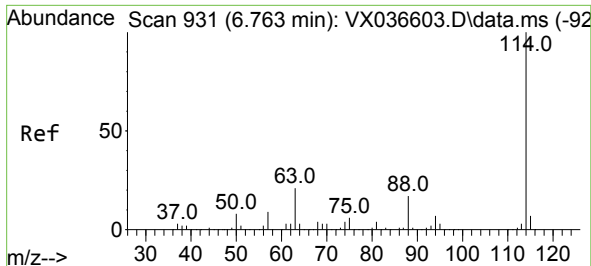
Tgt Ion: 56 Resp: 3091
Ion Ratio Lower Upper
56 100
69 166.8 23.4 35.2#
84 139.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.257 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

Tgt Ion: 65 Resp: 95962
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.2

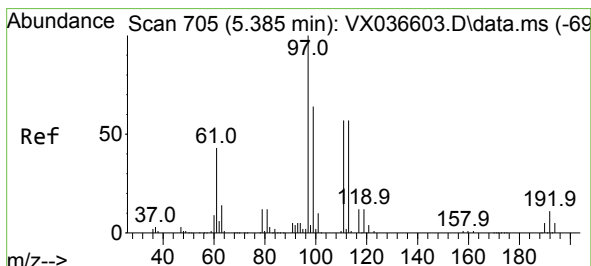
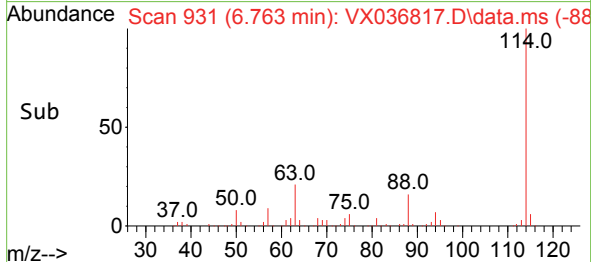
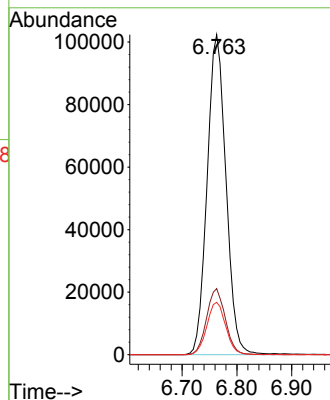
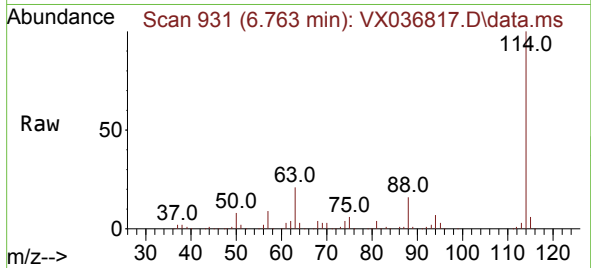




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

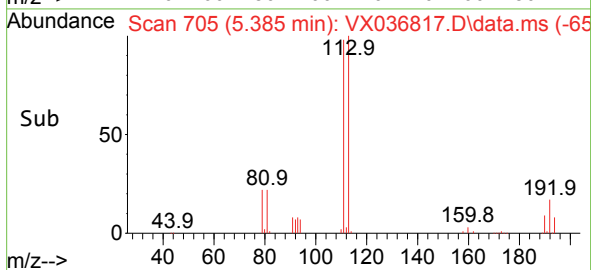
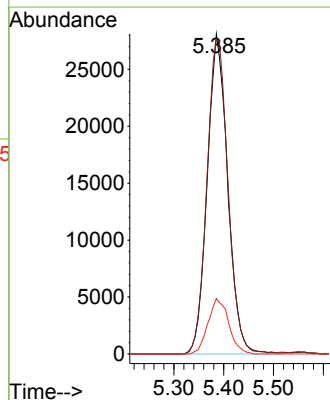
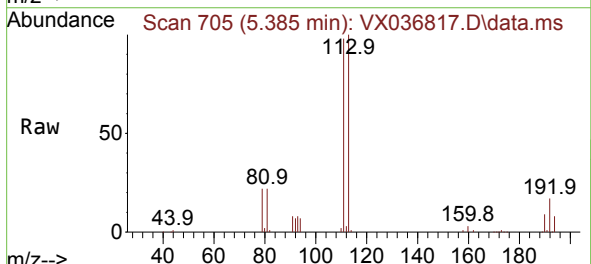
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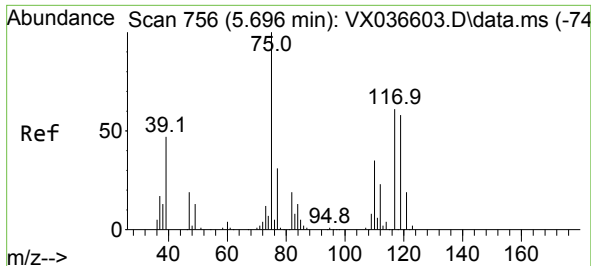
Tgt Ion:114 Resp: 244026
Ion Ratio Lower Upper
114 100
63 20.6 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.777 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

Tgt Ion:113 Resp: 80137
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 17.5 13.3 19.9

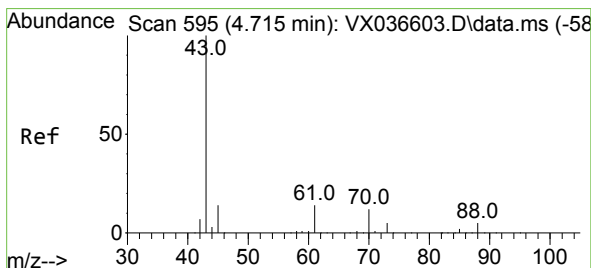
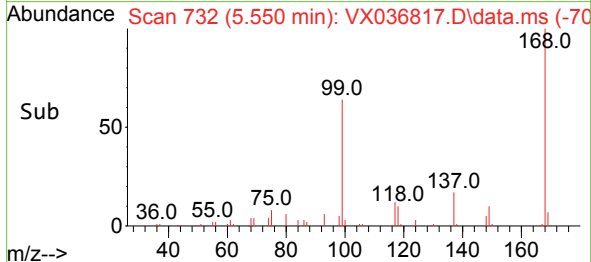
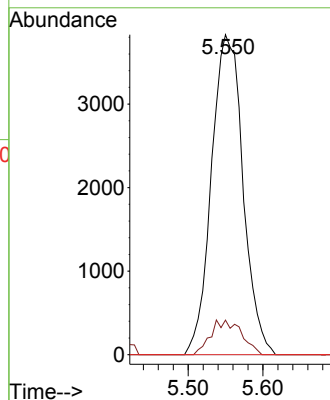
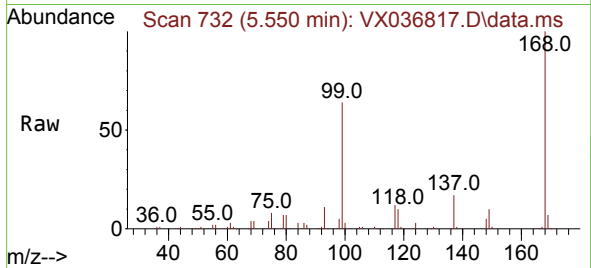




#36
1,1-Dichloropropene
Concen: 4.496 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

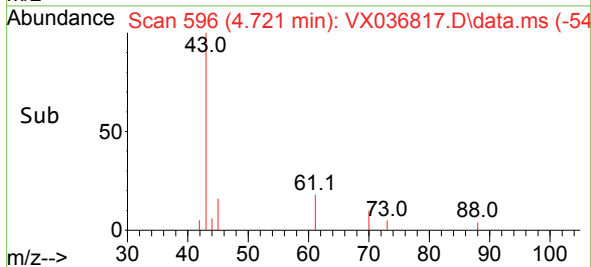
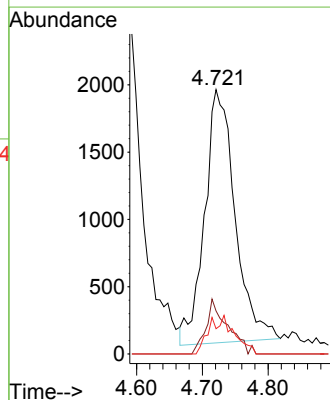
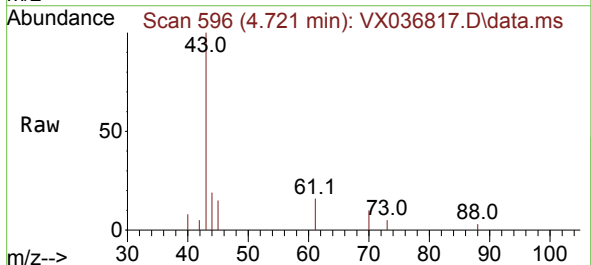
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

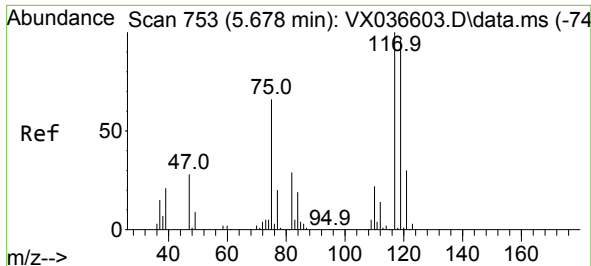
Tgt Ion: 75 Resp: 11240
Ion Ratio Lower Upper
75 100
110 10.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.135 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

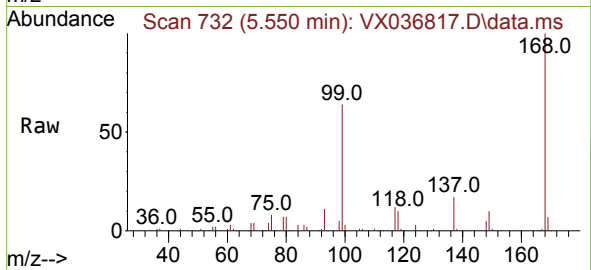
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Ion Ratio Lower Upper
43 100
61 15.6 10.6 16.0
70 12.6 8.3 12.5#



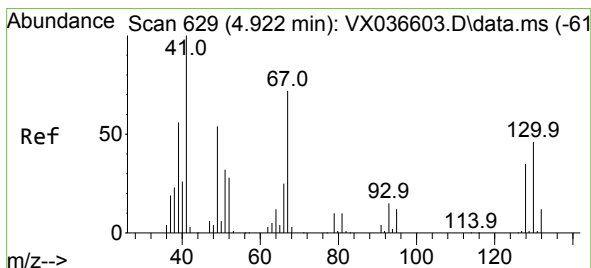
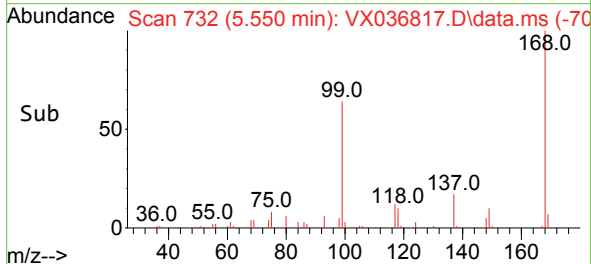
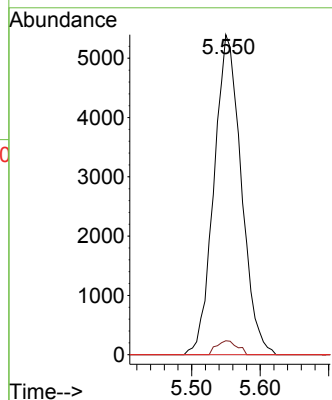


#38
Carbon Tetrachloride
Concen: 5.613 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

Instrument :
MSVOA_X
ClientSampleId :
COMP-2

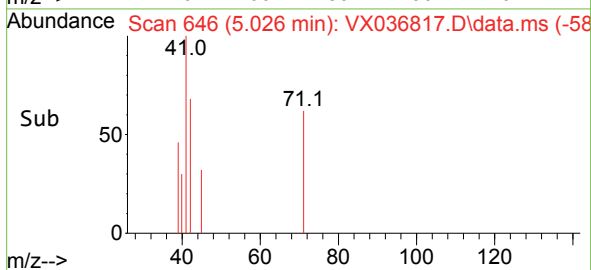
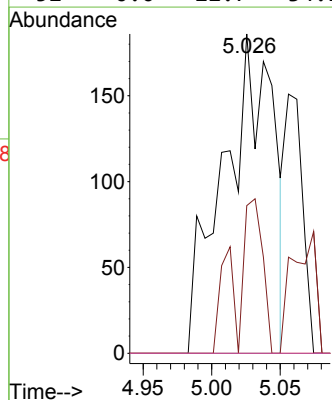
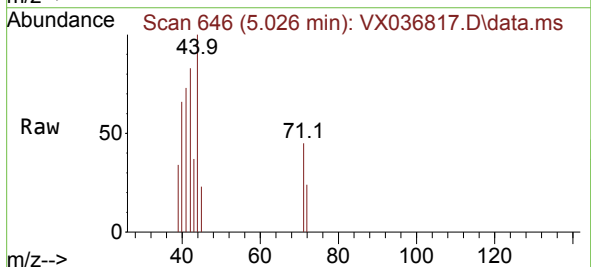


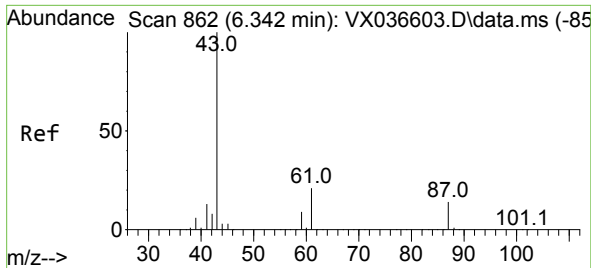
Tgt Ion:117 Resp: 14919
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.309 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

Tgt Ion: 41 Resp: 468
Ion Ratio Lower Upper
41 100
39 18.2 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

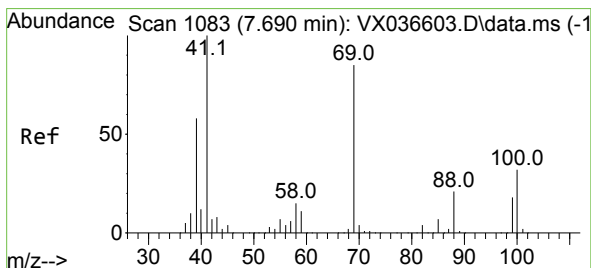
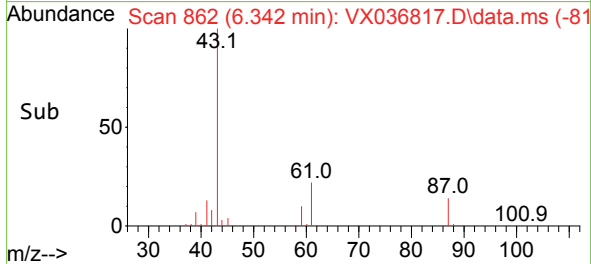
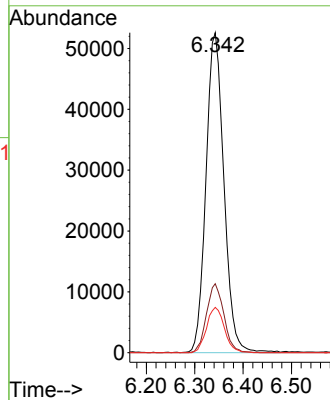
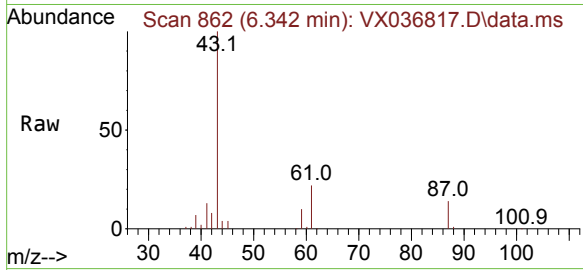




#43
Isopropyl Acetate
Concen: 27.875 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

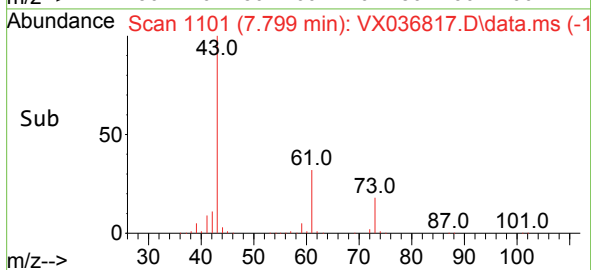
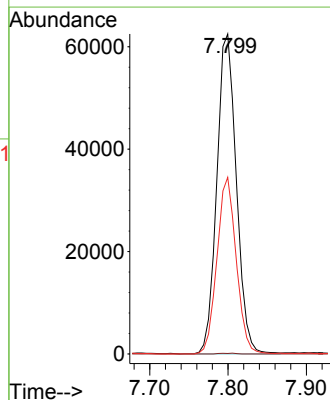
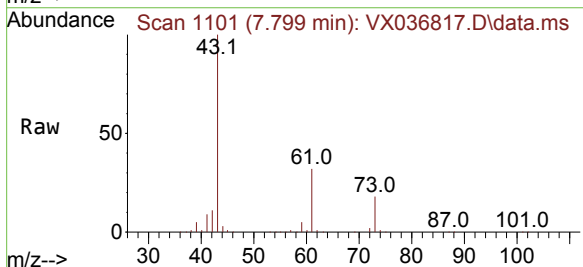
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

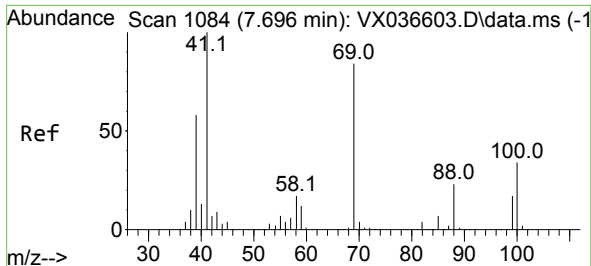
Tgt Ion: 43 Resp: 135772
Ion Ratio Lower Upper
43 100
61 20.9 15.2 22.8
87 14.1 9.8 14.6



#48
Methyl methacrylate
Concen: 47.862 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

Tgt Ion: 41 Resp: 108417
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.4 47.7 71.5





#49

1,4-Dioxane

Concen: 3.540 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX036817.D

Acq: 04 Aug 2023 17:55

Instrument :

MSVOA_X

ClientSampleId :

COMP-2

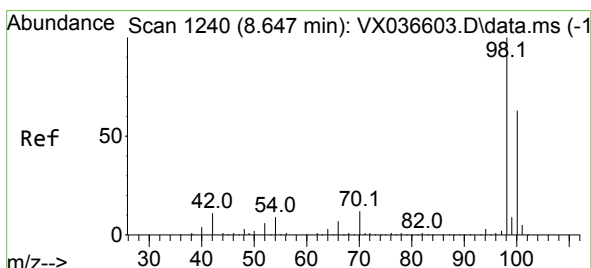
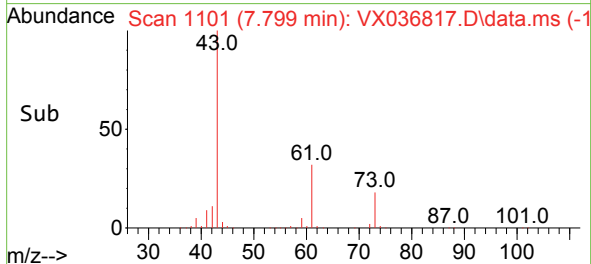
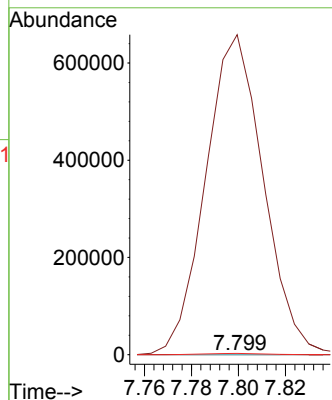
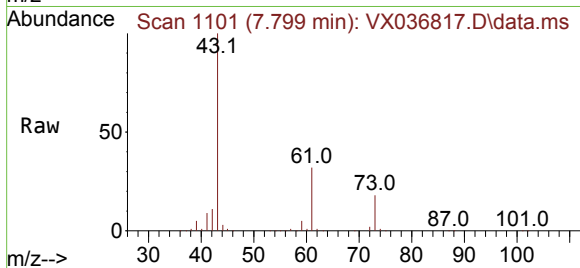
Tgt Ion: 88 Resp: 162

Ion Ratio Lower Upper

88 100

43 699775.3 0.0 0.0#

58 2938.3 60.1 90.1#



#50

Toluene-d8

Concen: 49.772 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX036817.D

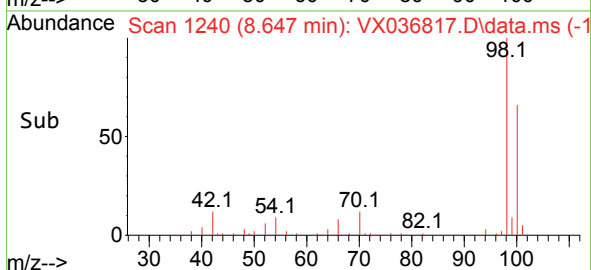
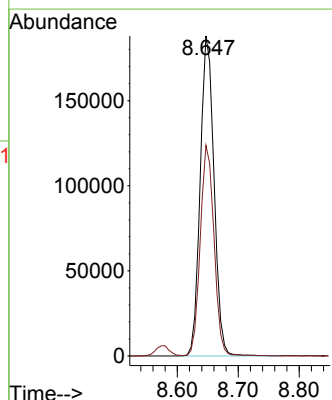
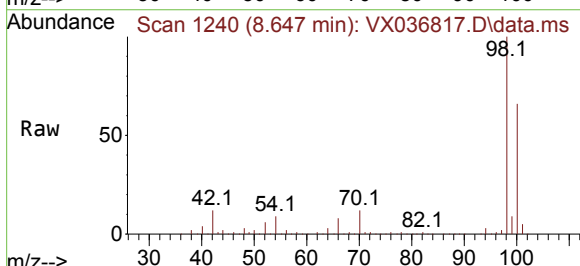
Acq: 04 Aug 2023 17:55

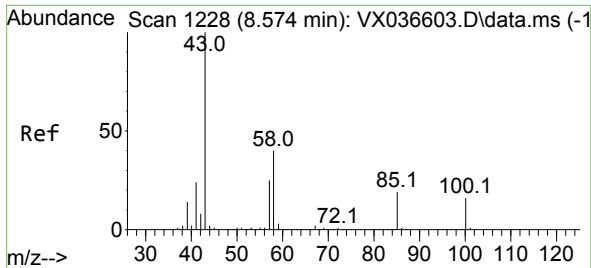
Tgt Ion: 98 Resp: 296046

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7

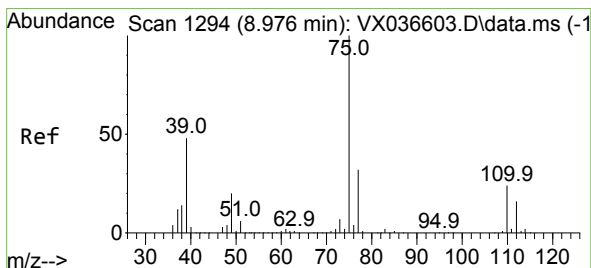
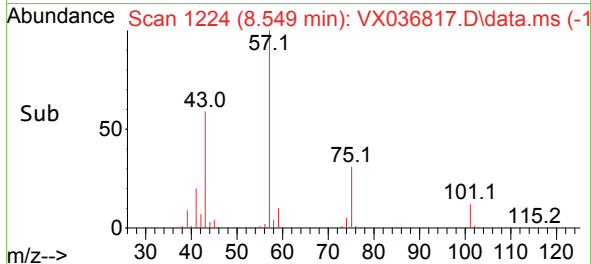
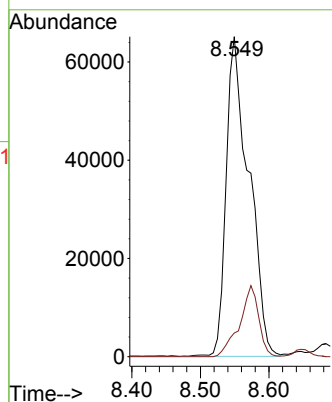
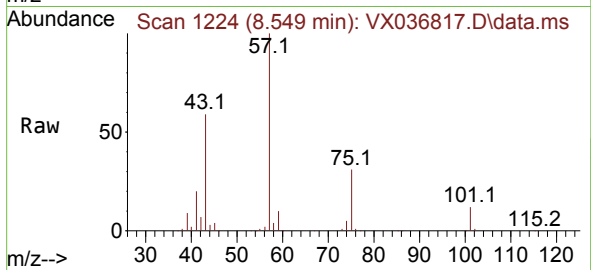




#51
4-Methyl-2-Pentanone
Concen: 55.426 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

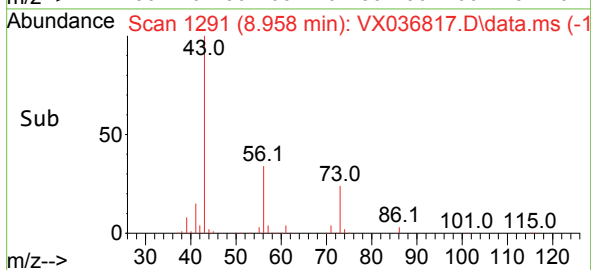
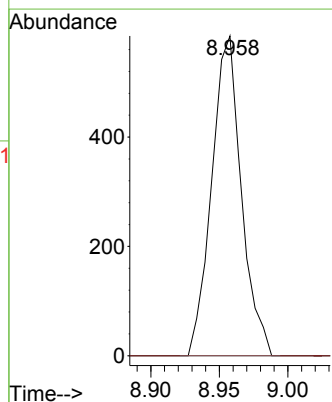
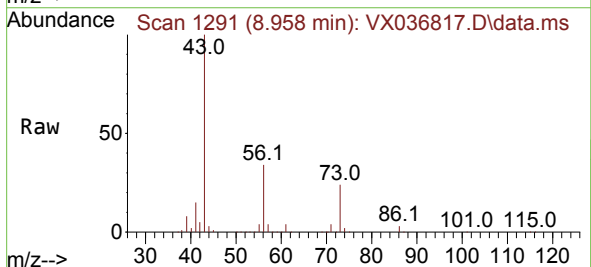
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

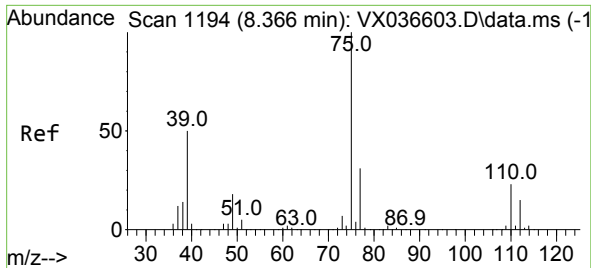
Tgt Ion: 43 Resp: 149401
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.279 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

Tgt Ion: 75 Resp: 881
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

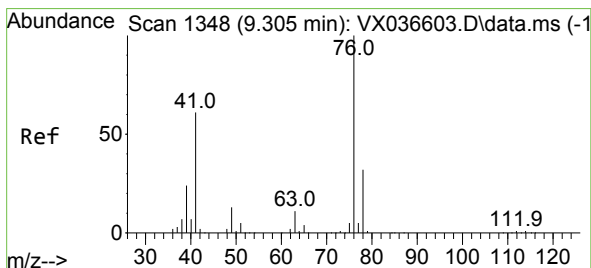
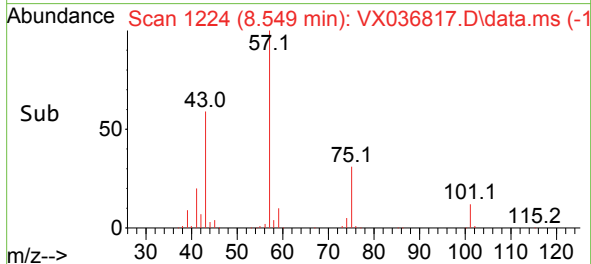
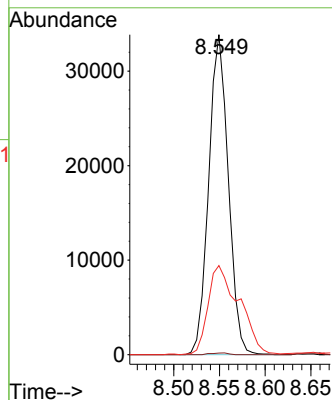
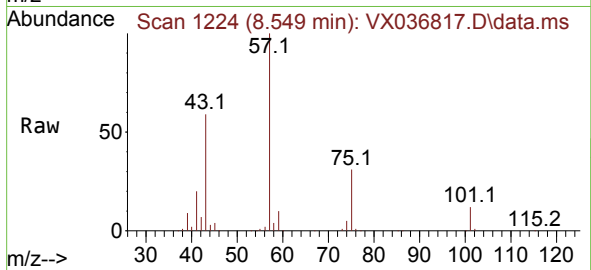




#54
 cis-1,3-Dichloropropene
 Concen: 15.125 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036817.D
 Acq: 04 Aug 2023 17:55

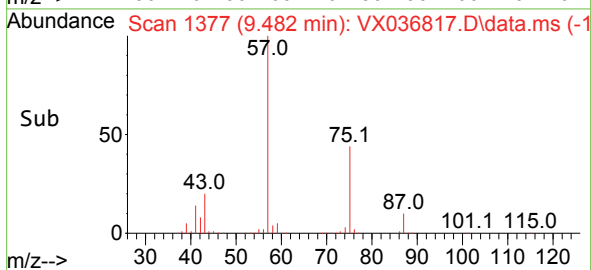
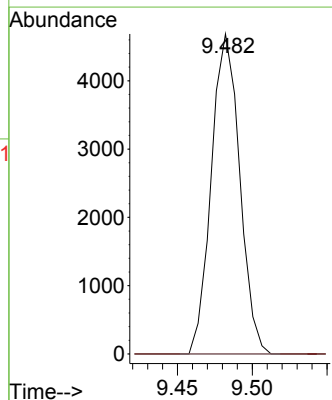
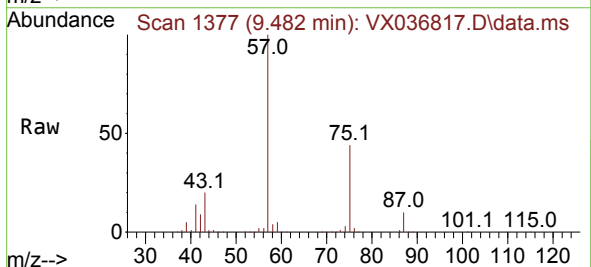
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-2

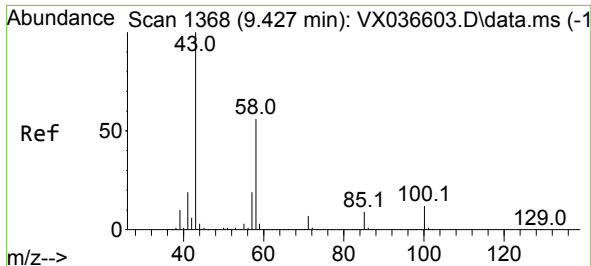
Tgt Ion: 75 Resp: 50327
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 27.9 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.935 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036817.D
 Acq: 04 Aug 2023 17:55

Tgt Ion: 76 Resp: 6175
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

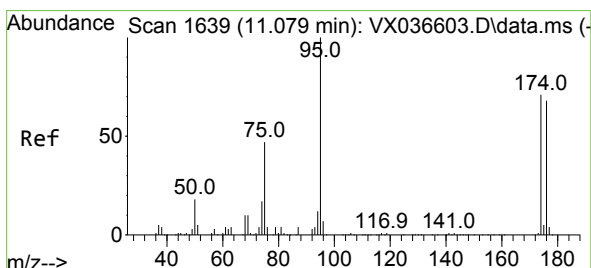
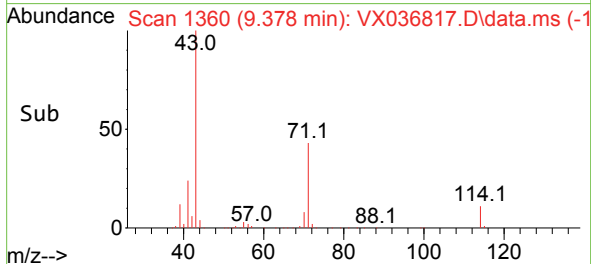
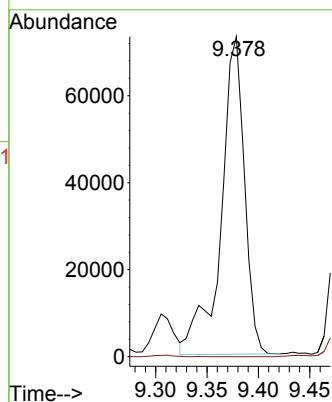
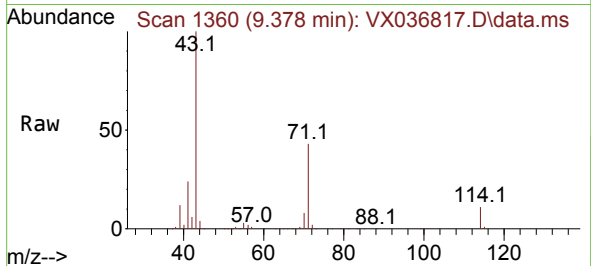




#59
2-Hexanone
Concen: 57.953 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

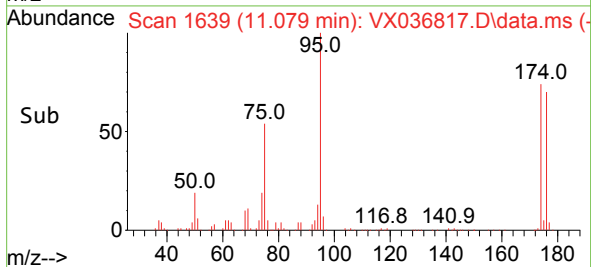
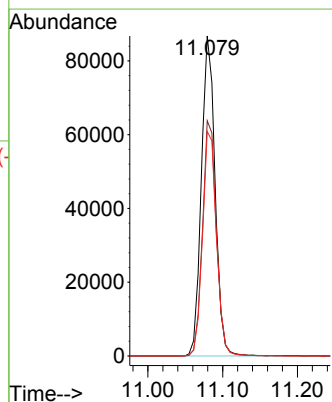
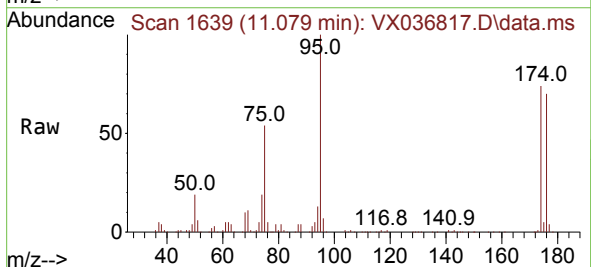
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

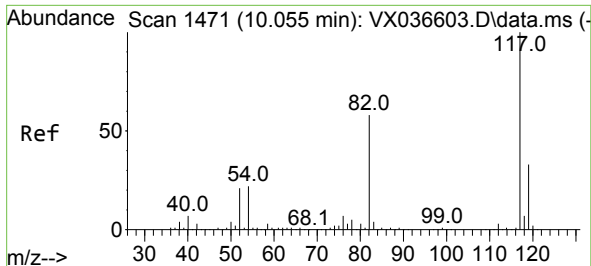
Tgt Ion: 43 Resp: 115935
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.283 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

Tgt Ion: 95 Resp: 110597
Ion Ratio Lower Upper
95 100
174 74.0 0.0 135.6
176 71.4 0.0 131.0

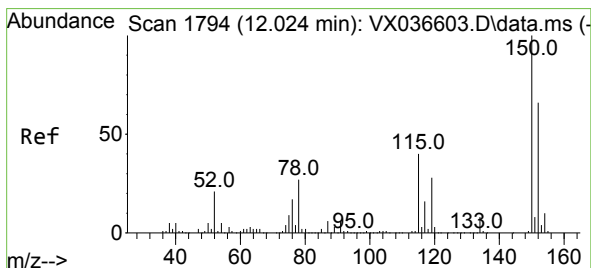
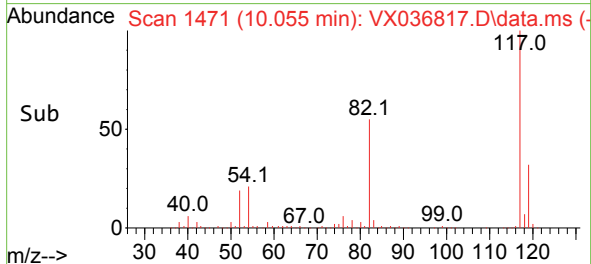
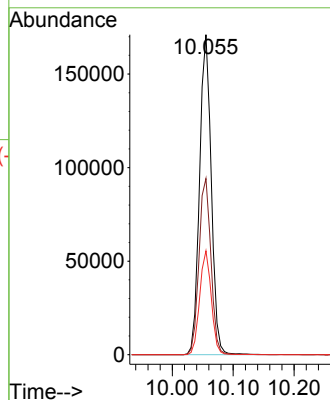
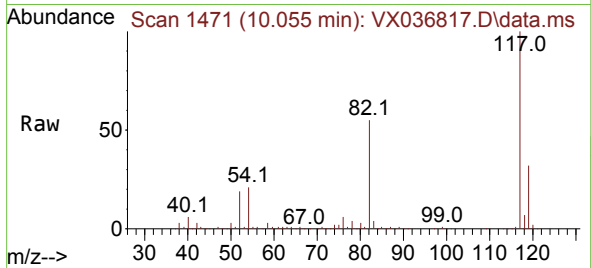




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

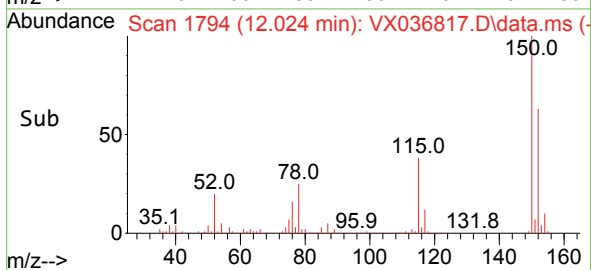
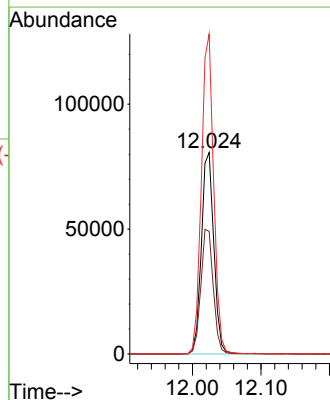
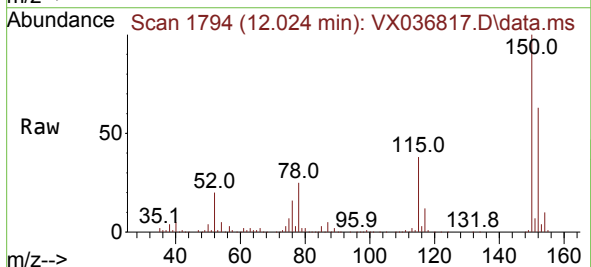
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

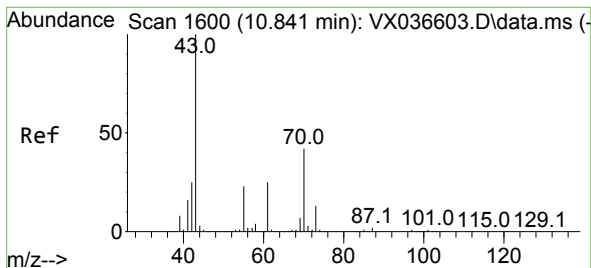
Tgt Ion:117 Resp: 227304
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036817.D
Acq: 04 Aug 2023 17:55

Tgt Ion:152 Resp: 101987
Ion Ratio Lower Upper
152 100
115 62.2 43.3 129.9
150 156.7 0.0 345.0





#74

N-amy1 acetate

Concen: 0.262 ug/l

RT: 10.890 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX036817.D

Acq: 04 Aug 2023 17:55

Instrument :

MSVOA_X

ClientSampleId :

COMP-2

Tgt Ion: 43 Resp: 1032

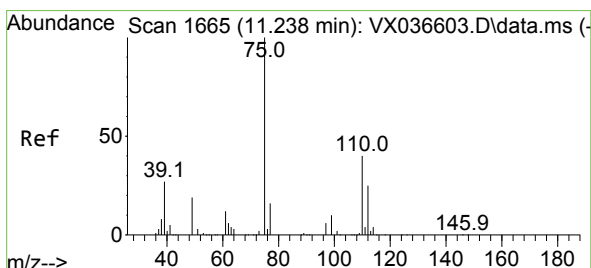
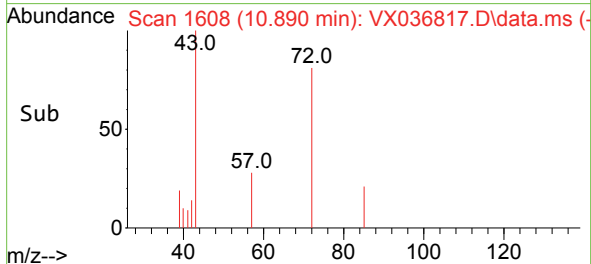
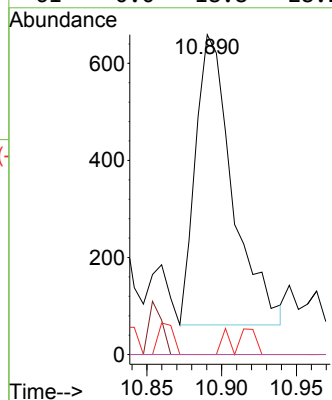
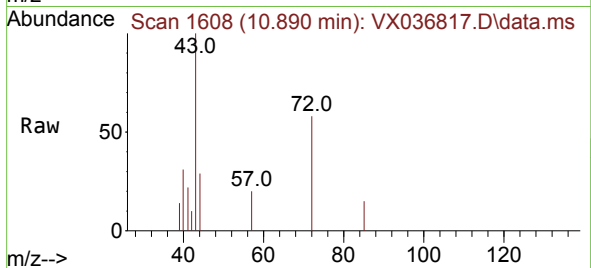
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 5.6 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.190 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036817.D

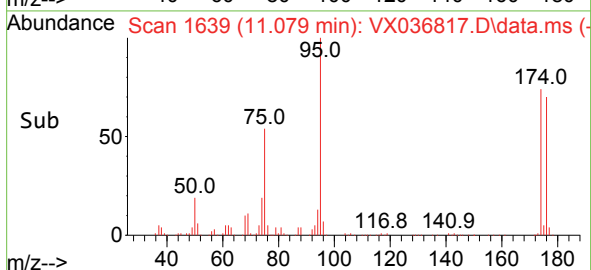
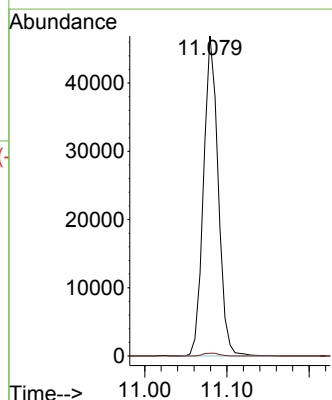
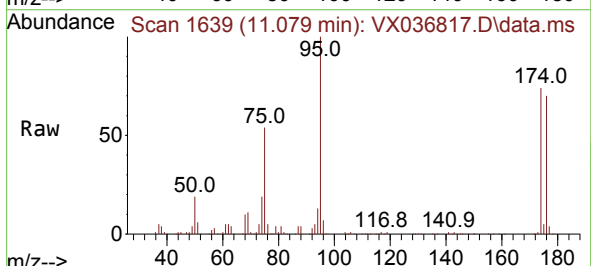
Acq: 04 Aug 2023 17:55

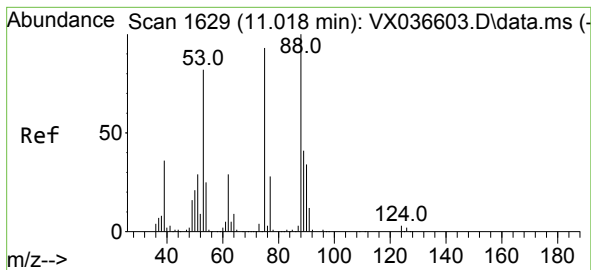
Tgt Ion: 75 Resp: 58029

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.829 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036817.D
 Acq: 04 Aug 2023 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-2

Tgt Ion: 75 Resp: 58029
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

