

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
 Data File : VX036438.D
 Acq On : 06 Jul 2023 16:17
 Operator : JC/MD
 Sample : 03514-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CP-4

Quant Time: Jul 07 01:49:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

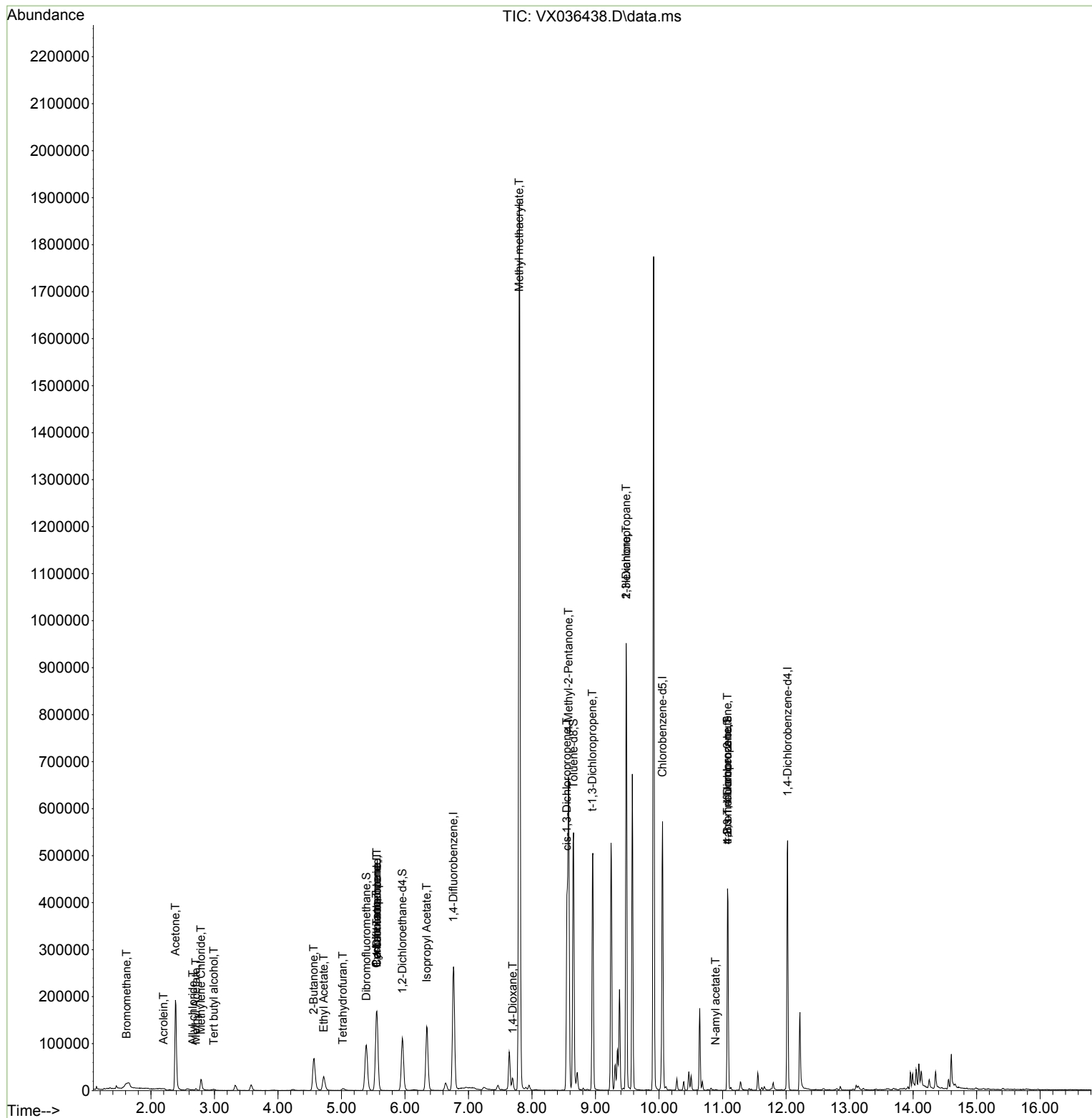
Internal Standards						
1) Pentafluorobenzene	5.556	168	160241	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	271493	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103694	45.144	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.280%		
35) Dibromofluoromethane	5.391	113	84941	47.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.900%		
50) Toluene-d8	8.653	98	331204	49.536	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.080%		
62) 4-Bromofluorobenzene	11.079	95	114527	48.629	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.260%		
Target Compounds						
						Qvalue
5) Bromomethane	1.617	94	466	0.221	ug/l	# 60
11) Tert butyl alcohol	2.989	59	4895	11.707	ug/l	# 91
13) Acrolein	2.197	56	120	0.209	ug/l	89
14) Allyl chloride	2.660	41	1204	0.407	ug/l	# 40
16) Acetone	2.386	43	220911	225.011	ug/l	95
18) Methyl Acetate	2.709	43	4613	1.143	ug/l	98
20) Methylene Chloride	2.788	84	12720	6.017	ug/l	91
25) 2-Butanone	4.562	43	119719	84.870	ug/l	97
29) Tetrahydrofuran	5.019	42	4238	4.719	ug/l	# 79
31) Cyclohexane	5.550	56	3922	1.332	ug/l	# 21
36) 1,1-Dichloropropene	5.556	75	13349	5.003	ug/l	# 50
37) Ethyl Acetate	4.721	43	51183	18.819	ug/l	97
38) Carbon Tetrachloride	5.556	117	16492	6.767	ug/l	# 17
43) Isopropyl Acetate	6.342	43	181958	41.939	ug/l	98
48) Methyl methacrylate	7.799	41	160271	74.087	ug/l	# 48
49) 1,4-Dioxane	7.696	88	86	1.793	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.573	43	497953	178.142	ug/l	88
53) t-1,3-Dichloropropene	8.951	75	1139	0.436	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	62245	21.093	ug/l	# 59
57) 1,3-Dichloropropane	9.482	76	8115	2.412	ug/l	# 42
59) 2-Hexanone	9.482	43	110911	54.335	ug/l	# 53
74) N-amyl acetate	10.890	43	1443	0.454	ug/l	# 52
76) 1,2,3-Trichloropropane	11.079	75	58496	25.696	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	58496	83.762	ug/l	# 5

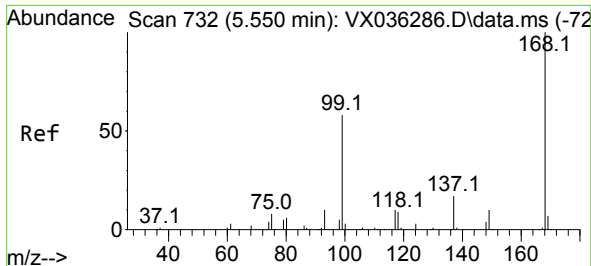
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

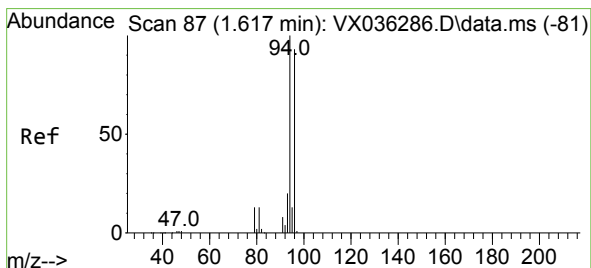
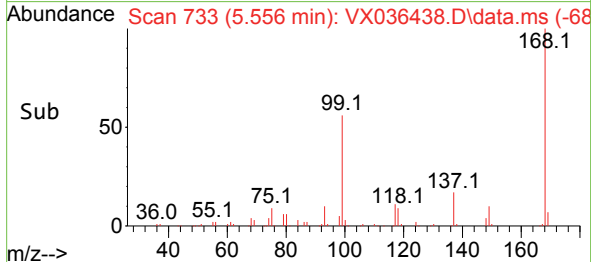
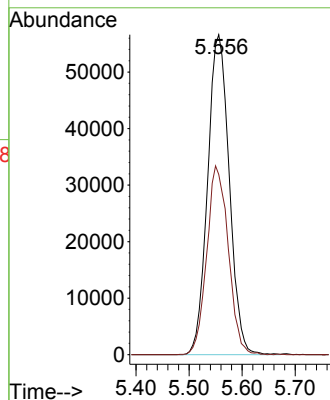
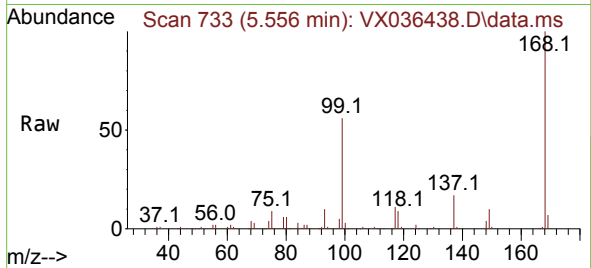




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

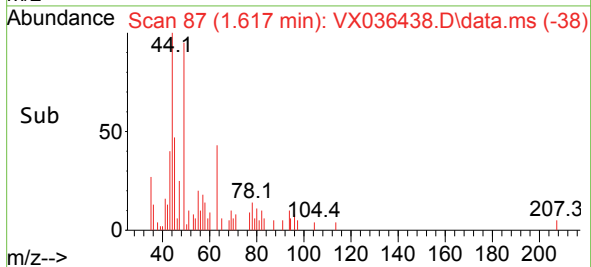
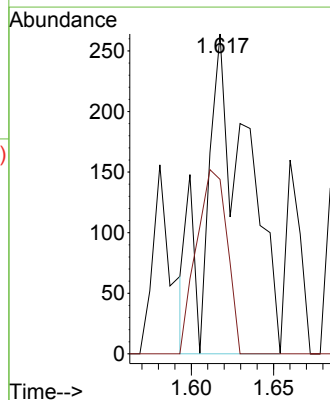
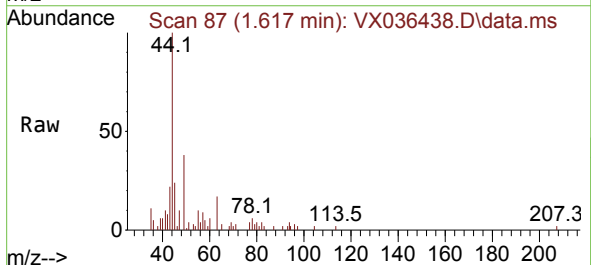
Instrument :
MSVOA_X
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CP-4

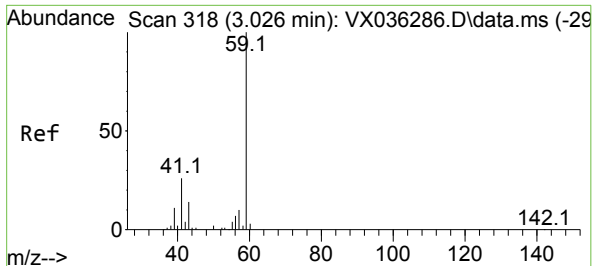
Tgt Ion:168 Resp: 160241
Ion Ratio Lower Upper
168 100
99 56.2 56.6 85.0#



#5
Bromomethane
Concen: 0.221 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.000 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

Tgt Ion: 94 Resp: 466
Ion Ratio Lower Upper
94 100
96 54.5 74.6 111.8#





#11

Tert butyl alcohol

Concen: 11.707 ug/l

RT: 2.989 min Scan# 31

Delta R.T. -0.024 min

Lab File: VX036438.D

Acq: 06 Jul 2023 16:17

Instrument :

MSVOA_X

ClientSampleId :

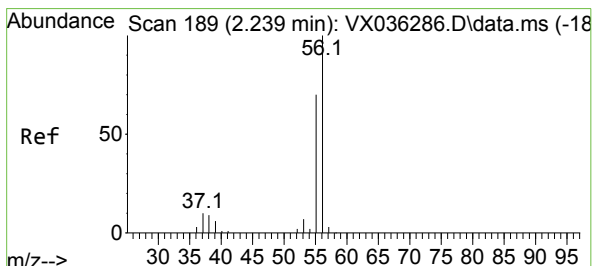
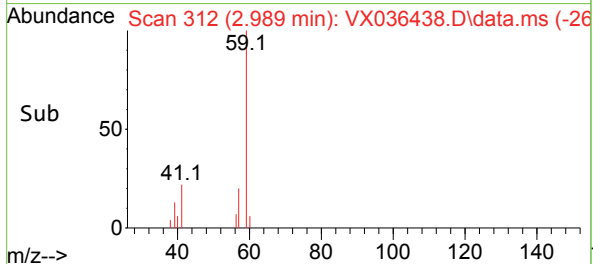
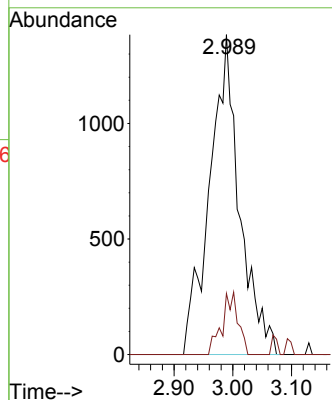
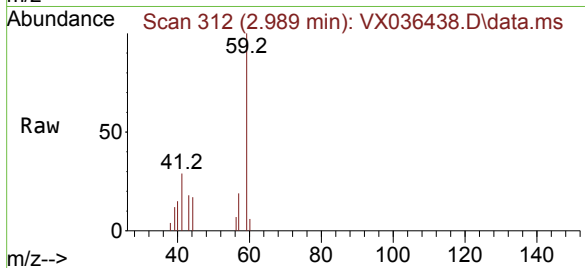
CP-4

Tgt Ion: 59 Resp: 4895

Ion Ratio Lower Upper

59 100

57 10.5 6.0 9.0#



#13

Acrolein

Concen: 0.209 ug/l

RT: 2.197 min Scan# 182

Delta R.T. -0.042 min

Lab File: VX036438.D

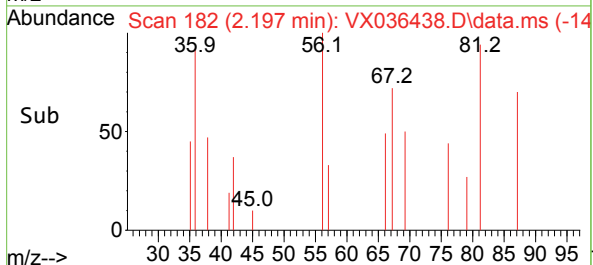
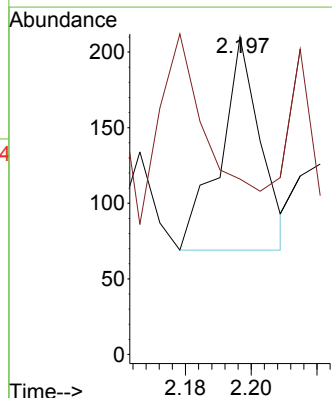
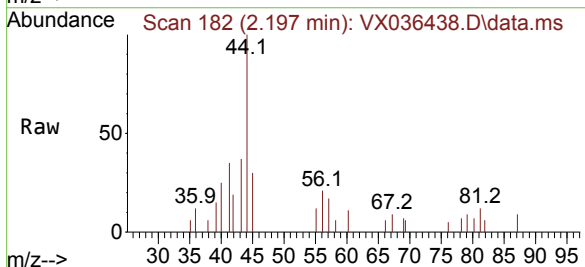
Acq: 06 Jul 2023 16:17

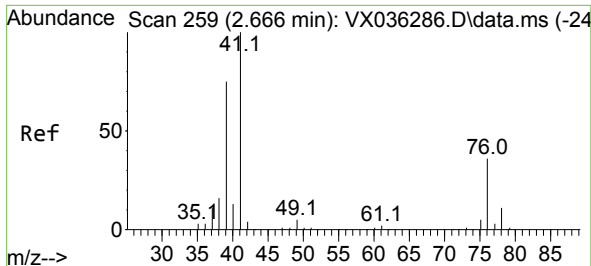
Tgt Ion: 56 Resp: 120

Ion Ratio Lower Upper

56 100

55 80.8 57.1 85.7

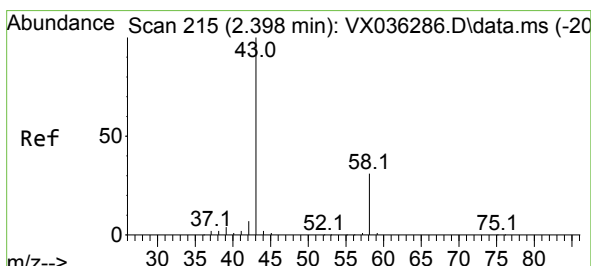
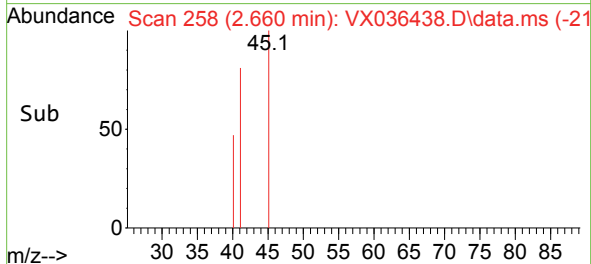
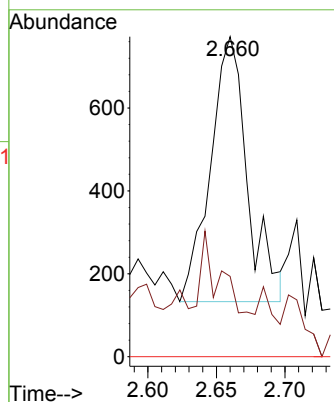
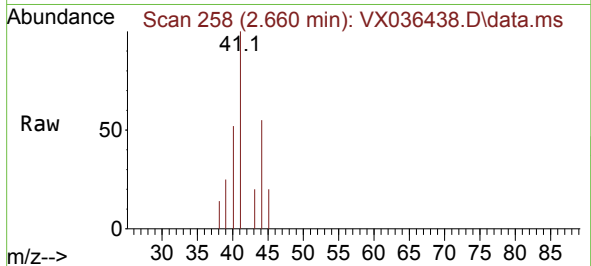




#14
Allyl chloride
Concen: 0.407 ug/l
RT: 2.660 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

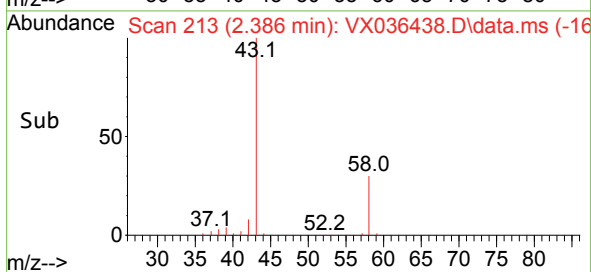
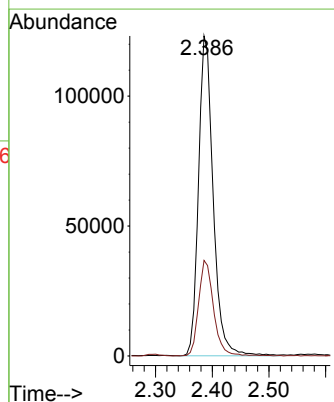
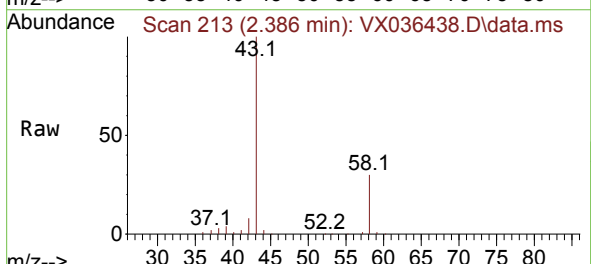
Instrument :
MSVOA_X
ClientSampleId :
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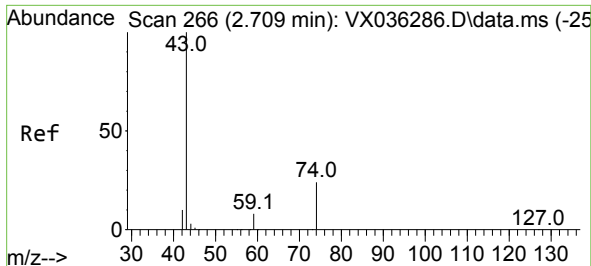
Tgt Ion: 41 Resp: 1204
Ion Ratio Lower Upper
41 100
39 18.5 55.8 83.6#
76 0.0 24.3 36.5#



#16
Acetone
Concen: 225.011 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.018 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

Tgt Ion: 43 Resp: 220911
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9

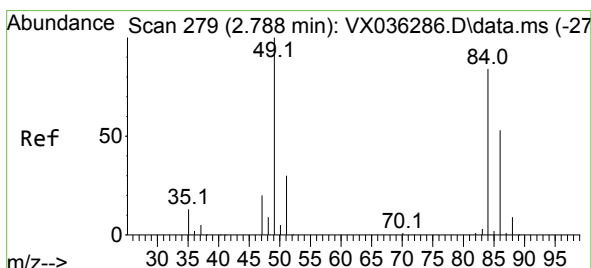
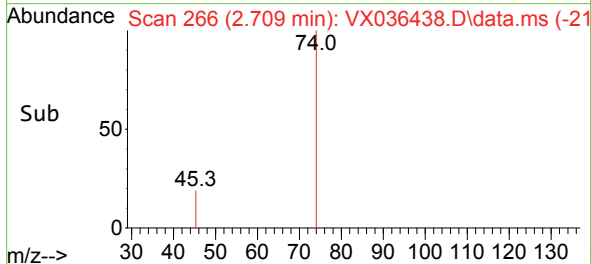
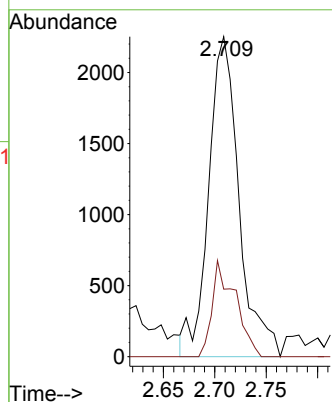
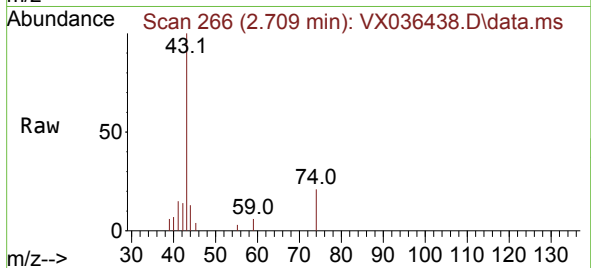




#18
Methyl Acetate
Concen: 1.143 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

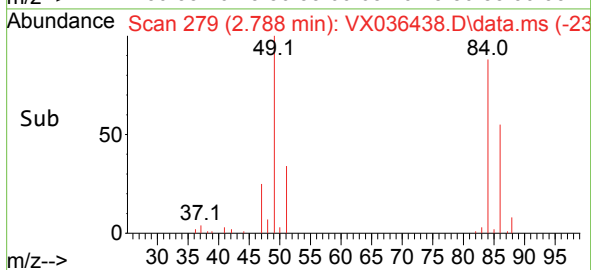
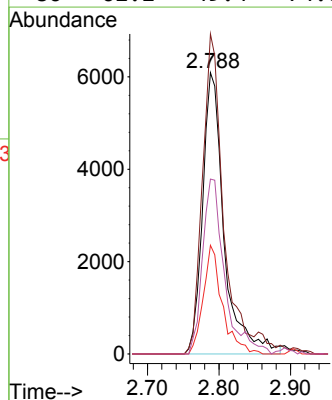
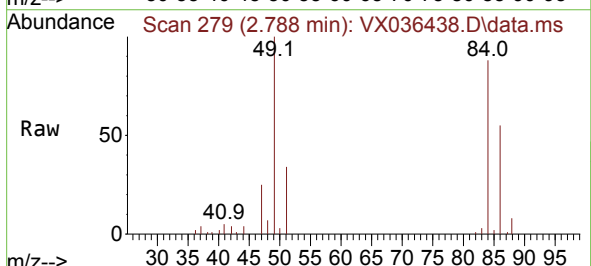
Instrument :
MSVOA_X
ClientSampleId :
CP-4

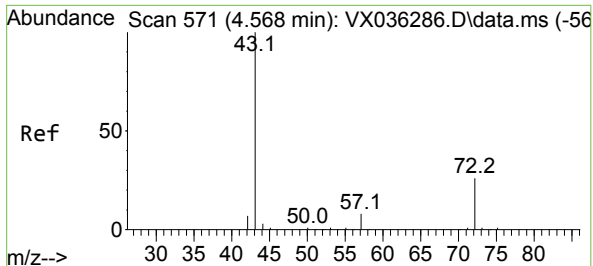
Tgt Ion: 43 Resp: 4613
Ion Ratio Lower Upper
43 100
74 23.0 17.8 26.8



#20
Methylene Chloride
Concen: 6.017 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

Tgt Ion: 84 Resp: 12720
Ion Ratio Lower Upper
84 100
49 113.8 103.6 155.4
51 38.6 33.8 50.6
86 62.2 49.4 74.0

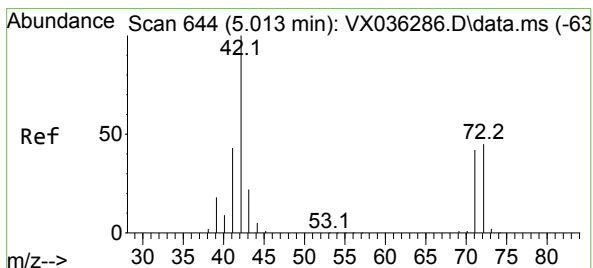
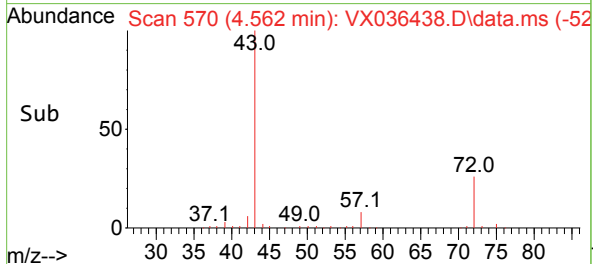
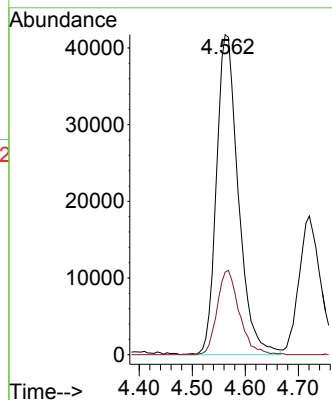
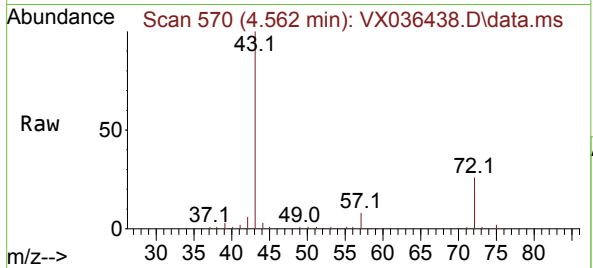




#25
2-Butanone
Concen: 84.870 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

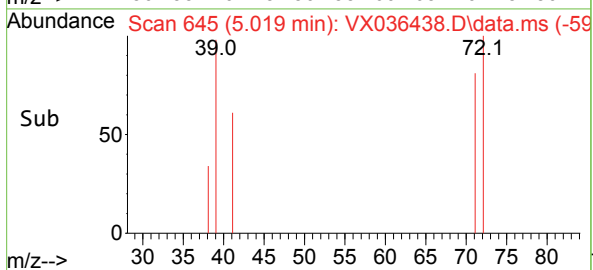
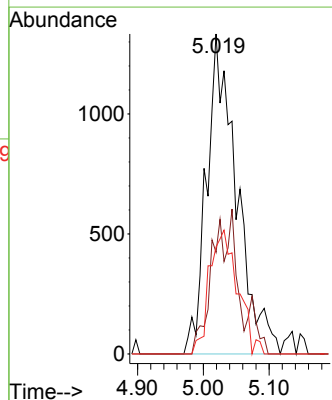
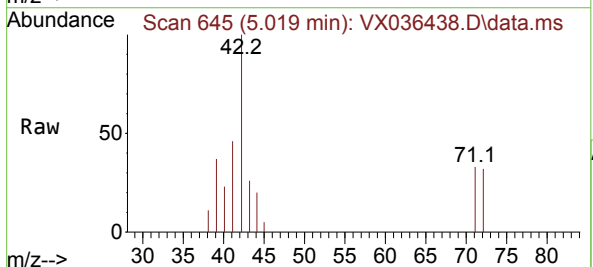
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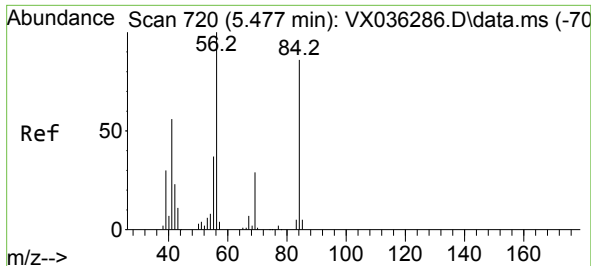
Tgt Ion: 43 Resp: 119719
Ion Ratio Lower Upper
43 100
72 25.8 19.4 29.2



#29
Tetrahydrofuran
Concen: 4.719 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.000 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

Tgt Ion: 42 Resp: 4238
Ion Ratio Lower Upper
42 100
72 20.3 34.2 51.4#
71 36.4 32.2 48.2

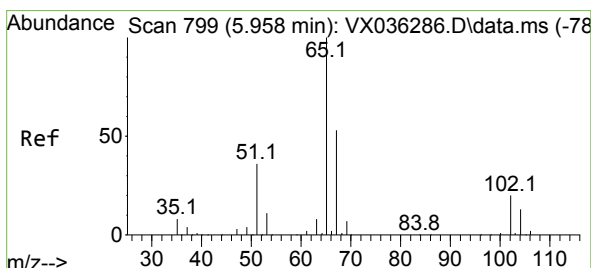
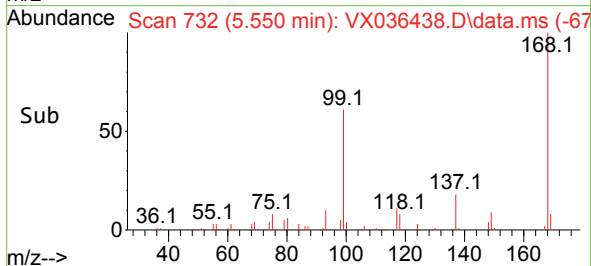
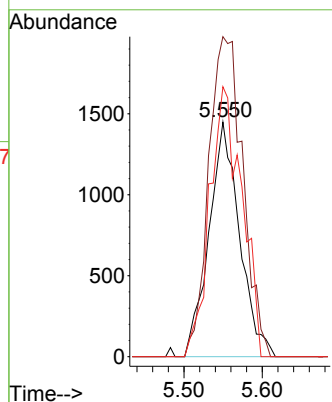
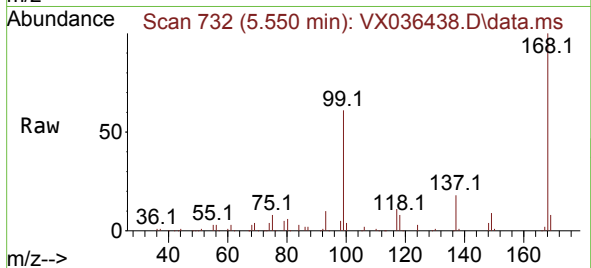




#31
Cyclohexane
Concen: 1.332 ug/l
RT: 5.550 min Scan# 712
Delta R.T. 0.080 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

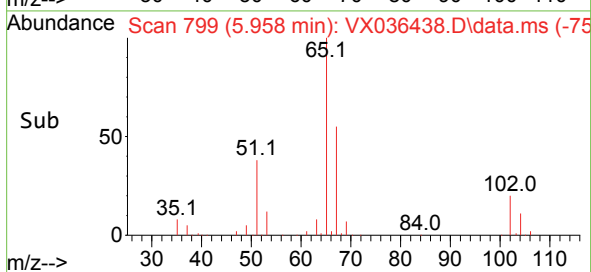
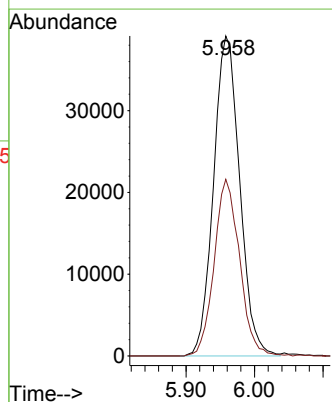
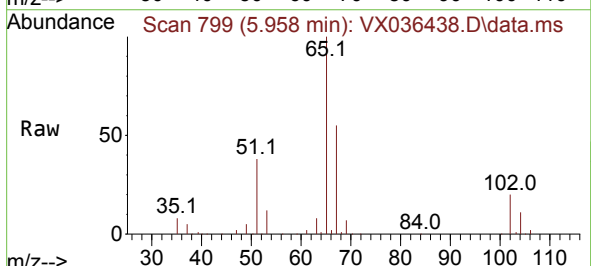
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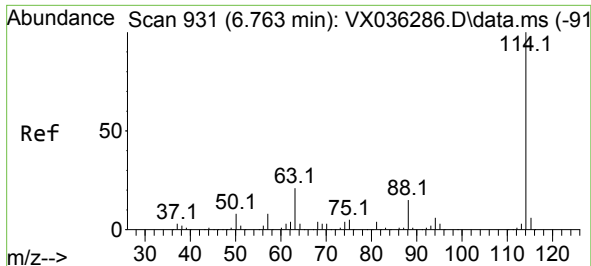
Tgt Ion: 56 Resp: 3922
Ion Ratio Lower Upper
56 100
69 136.4 23.4 35.2#
84 115.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.144 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

Tgt Ion: 65 Resp: 103694
Ion Ratio Lower Upper
65 100
67 53.6 0.0 100.2

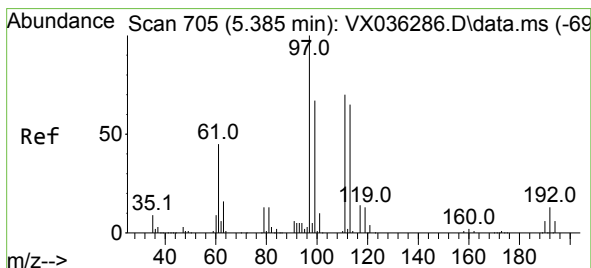
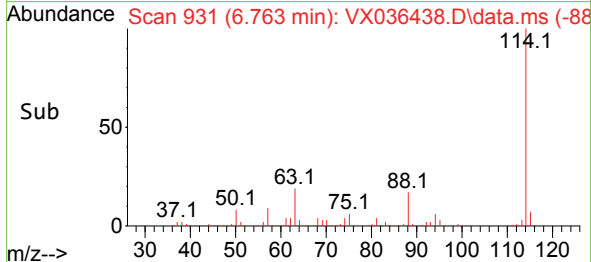
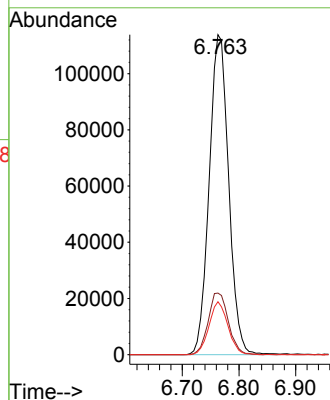
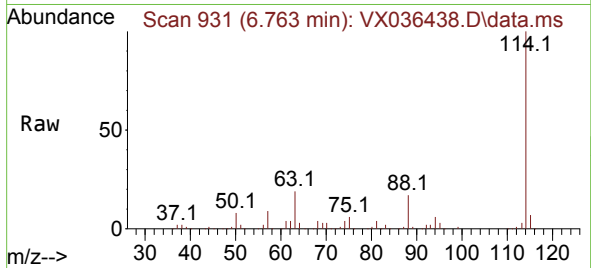




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

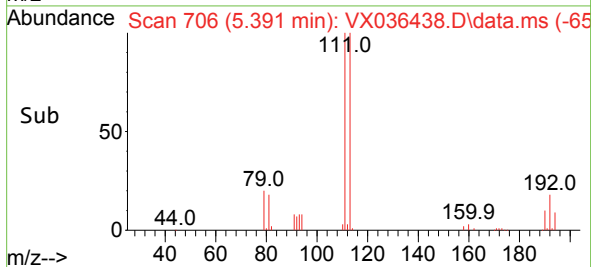
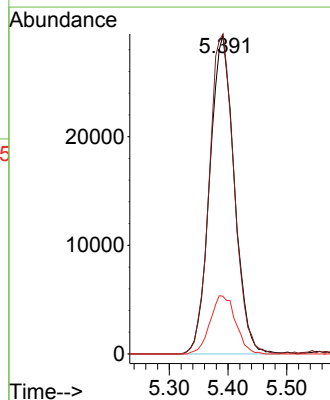
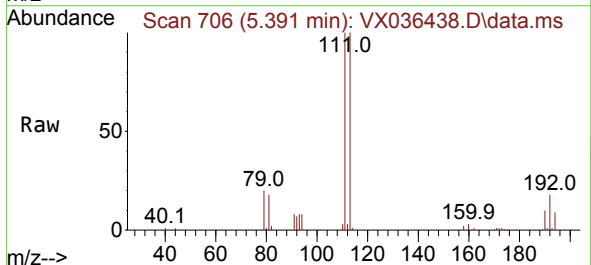
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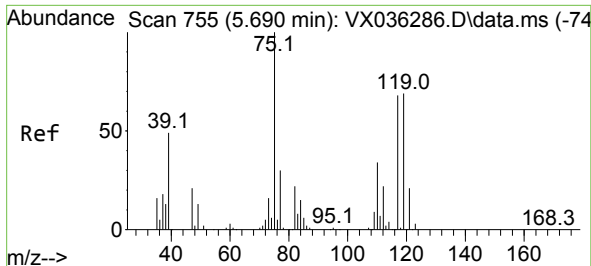
Tgt Ion:114 Resp: 271493
Ion Ratio Lower Upper
114 100
63 19.3 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.449 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

Tgt Ion:113 Resp: 84941
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 19.0 13.3 19.9

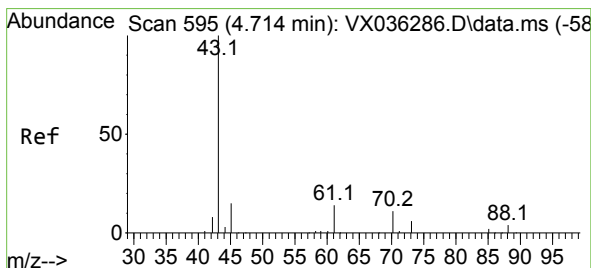
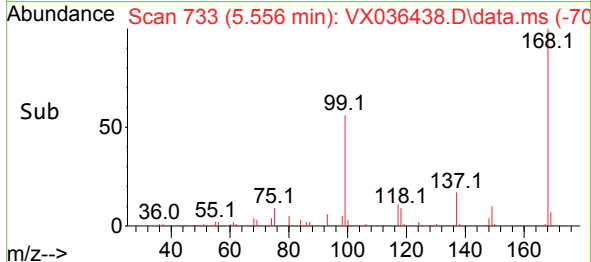
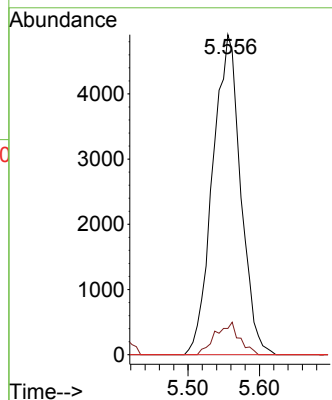
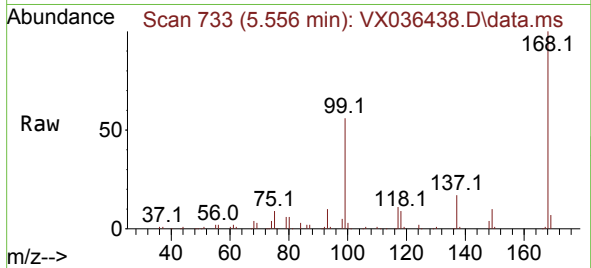




#36
1,1-Dichloropropene
Concen: 5.003 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

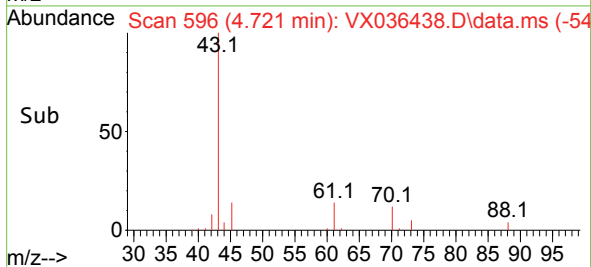
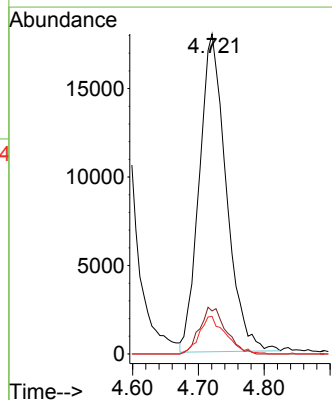
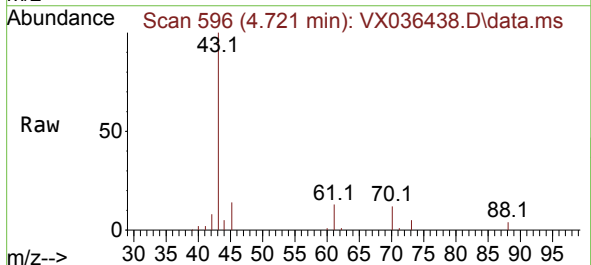
Instrument :
MSVOA_X
ClientSampleId :
CP-4

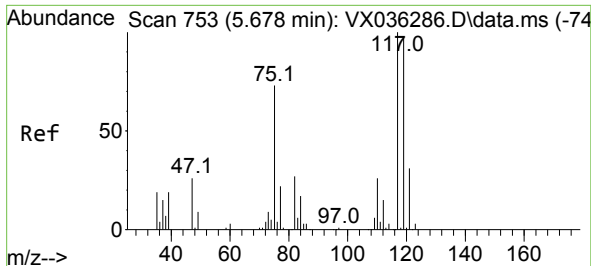
Tgt Ion: 75 Resp: 13349
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 18.819 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.007 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

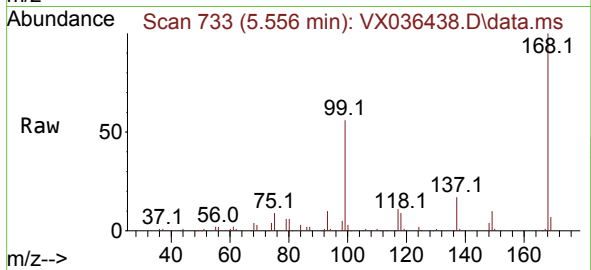
Tgt Ion: 43 Resp: 51183
Ion Ratio Lower Upper
43 100
61 14.2 10.6 16.0
70 11.7 8.3 12.5



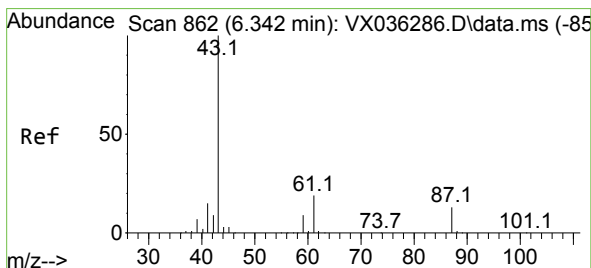
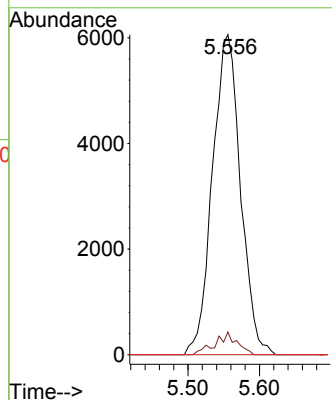
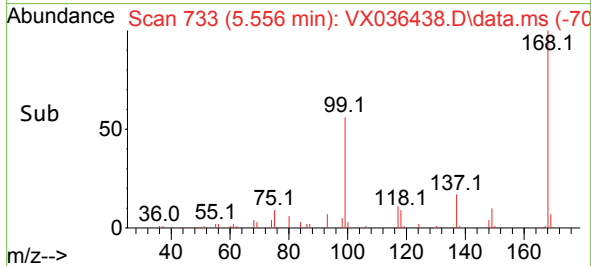


#38
Carbon Tetrachloride
Concen: 6.767 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.122 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

Instrument :
MSVOA_X
ClientSampleId :
CP-4

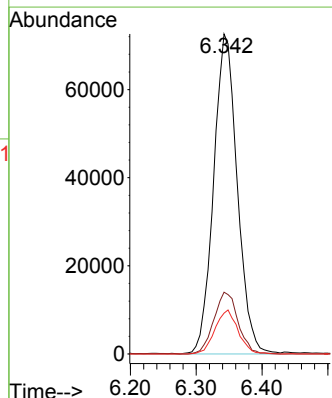
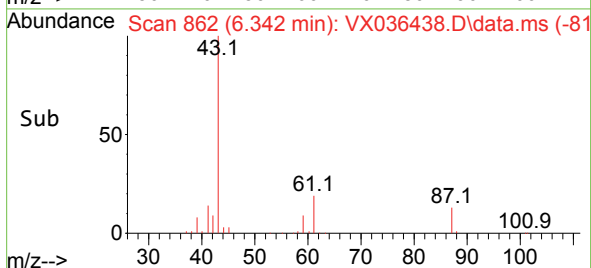
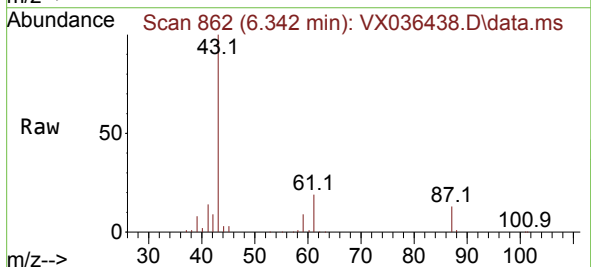


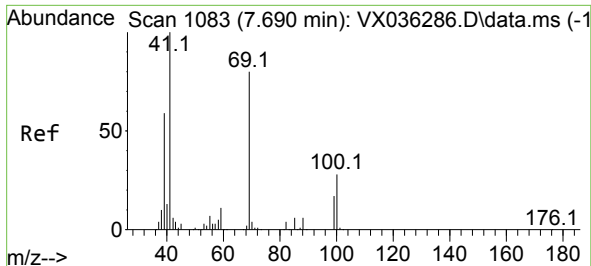
Tgt Ion:117 Resp: 16492
Ion Ratio Lower Upper
117 100
119 7.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 41.939 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

Tgt Ion: 43 Resp: 181958
Ion Ratio Lower Upper
43 100
61 19.7 15.2 22.8
87 13.4 9.8 14.6

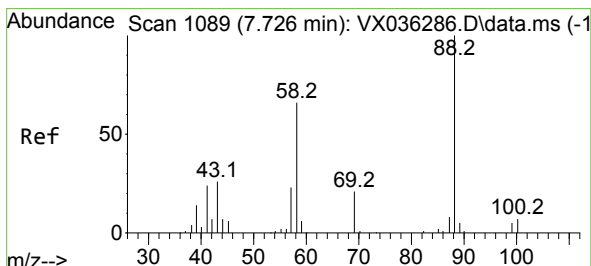
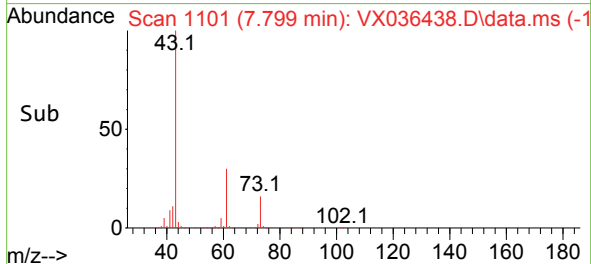
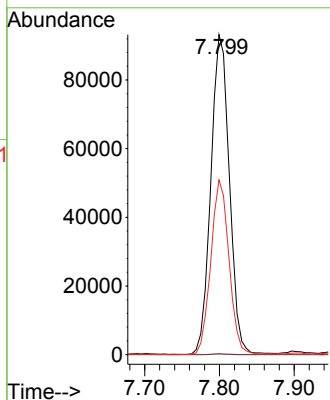
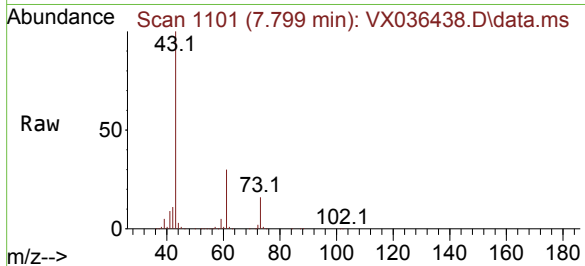




#48
Methyl methacrylate
Concen: 74.087 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

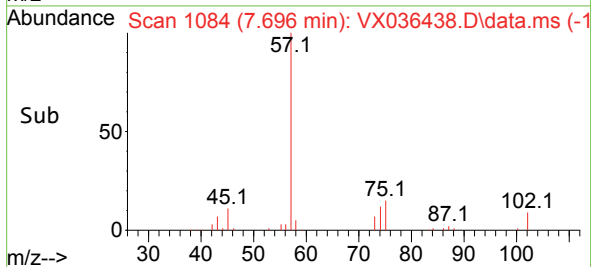
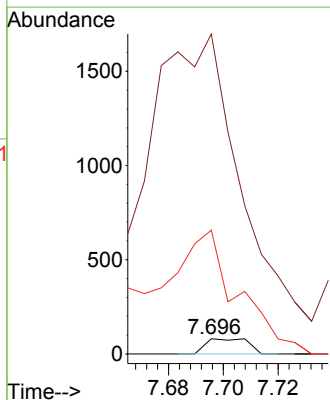
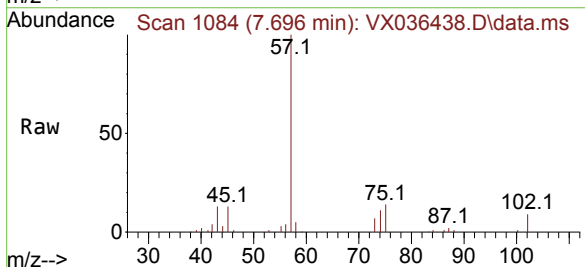
Instrument :
MSVOA_X
ClientSampleId :
CP-4

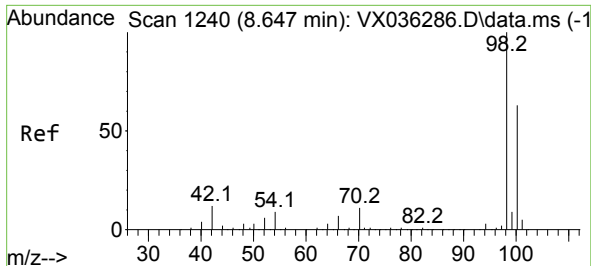
Tgt Ion: 41 Resp: 160271
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.7 47.7 71.5



#49
1,4-Dioxane
Concen: 1.793 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.036 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 1273.3 60.1 90.1#

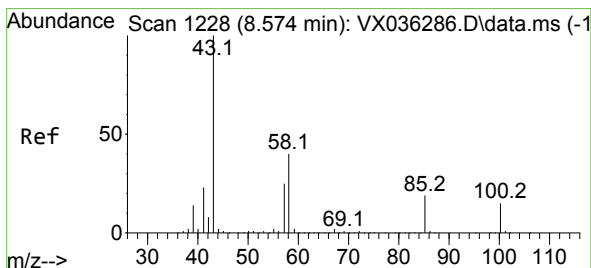
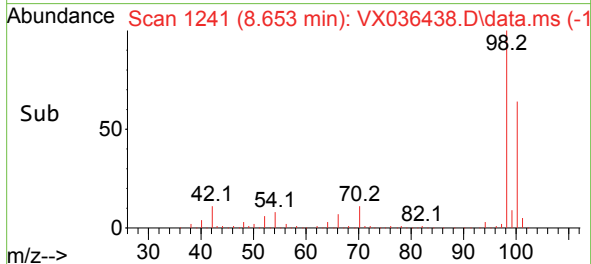
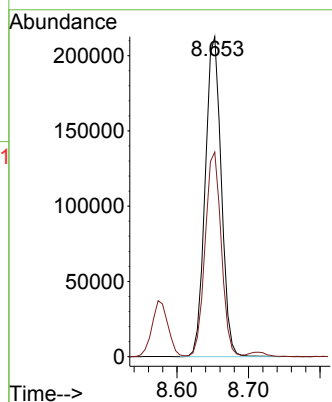
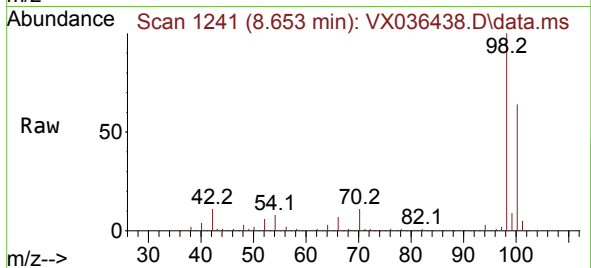




#50
Toluene-d8
Concen: 49.536 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

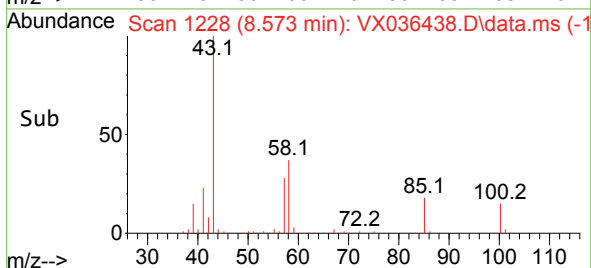
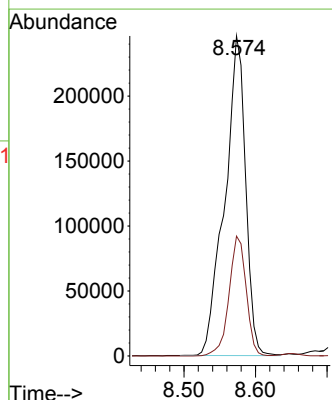
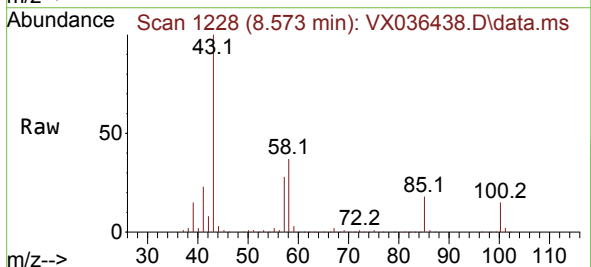
Instrument :
MSVOA_X
ClientSampleId :
CP-4

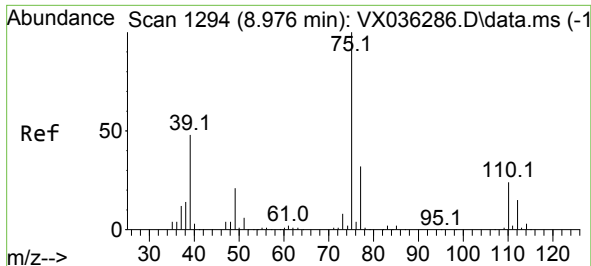
Tgt Ion: 98 Resp: 331204
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 178.142 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036438.D
Acq: 06 Jul 2023 16:17

Tgt Ion: 43 Resp: 497953
Ion Ratio Lower Upper
43 100
58 30.9 30.4 45.6





#53

t-1,3-Dichloropropene

Concen: 0.436 ug/l

RT: 8.951 min Scan# 1139

Delta R.T. -0.025 min

Lab File: VX036438.D

Acq: 06 Jul 2023 16:17

Instrument :

MSVOA_X

ClientSampleId :

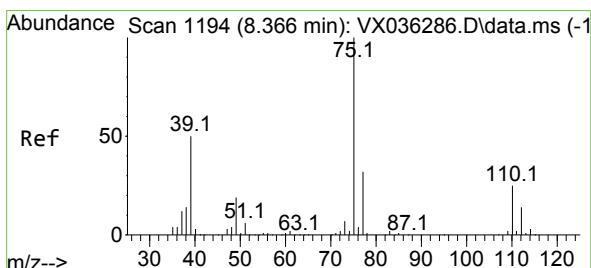
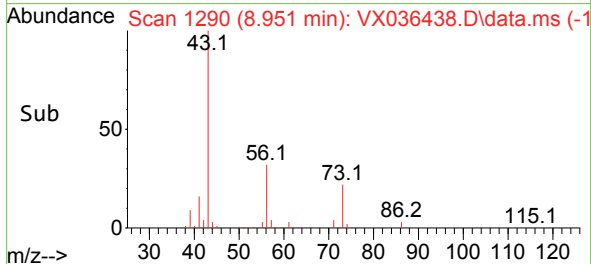
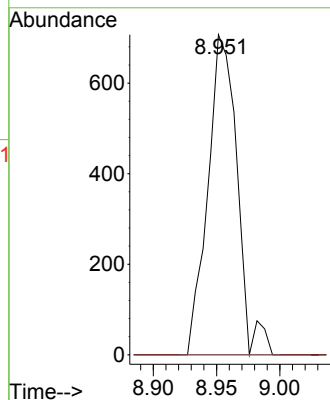
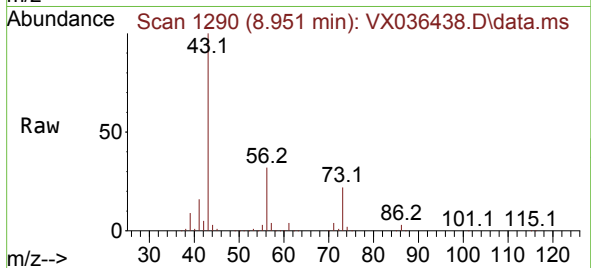
CP-4

Tgt Ion: 75 Resp: 1139

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 21.093 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX036438.D

Acq: 06 Jul 2023 16:17

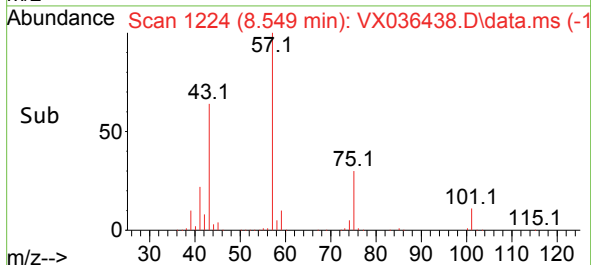
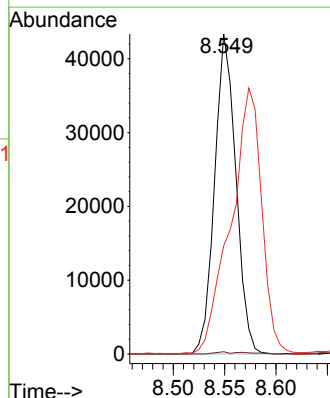
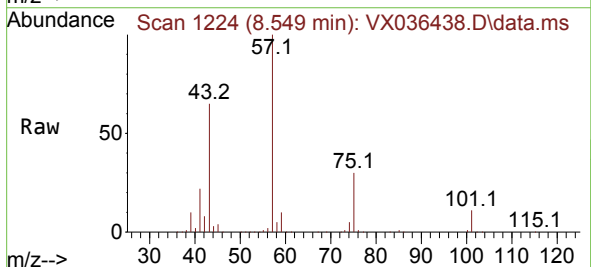
Tgt Ion: 75 Resp: 62245

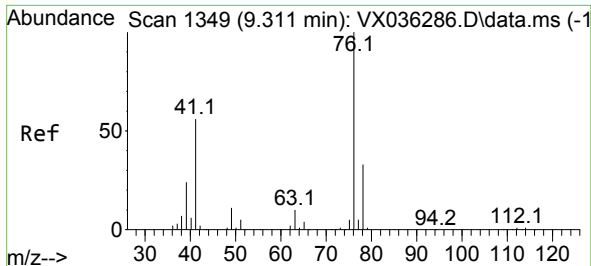
Ion Ratio Lower Upper

75 100

77 0.7 25.3 37.9#

39 33.7 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.412 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036438.D

Acq: 06 Jul 2023 16:17

Instrument :

MSVOA_X

ClientSampleId :

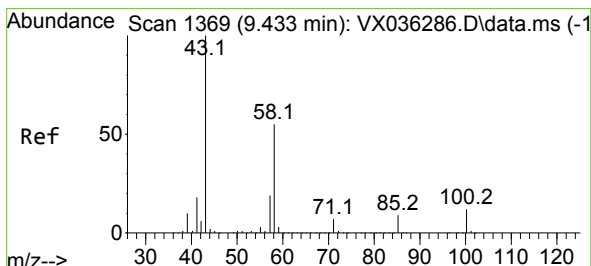
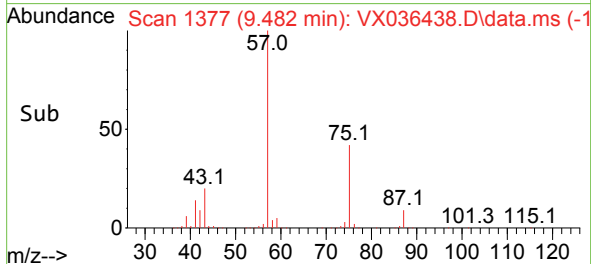
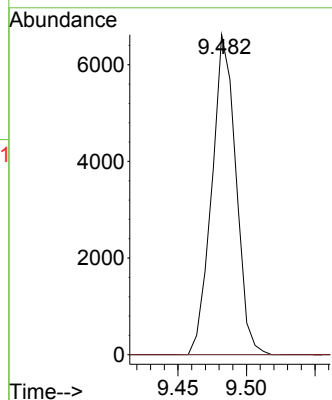
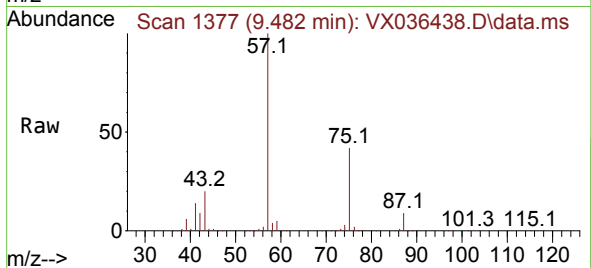
CP-4

Tgt Ion: 76 Resp: 8115

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 54.335 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036438.D

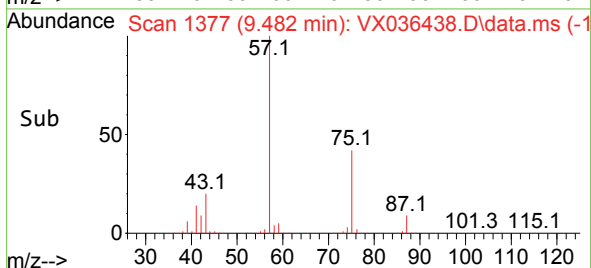
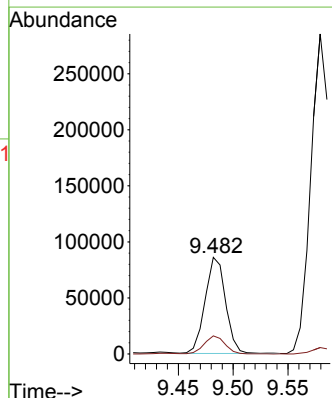
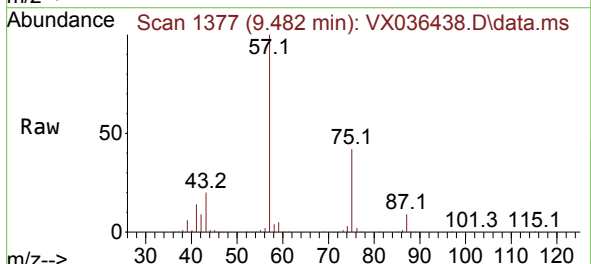
Acq: 06 Jul 2023 16:17

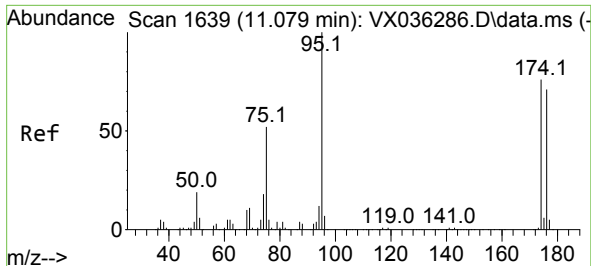
Tgt Ion: 43 Resp: 110911

Ion Ratio Lower Upper

43 100

58 19.3 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 48.629 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036438.D

Acq: 06 Jul 2023 16:17

Instrument :

MSVOA_X

ClientSampleId :

CP-4

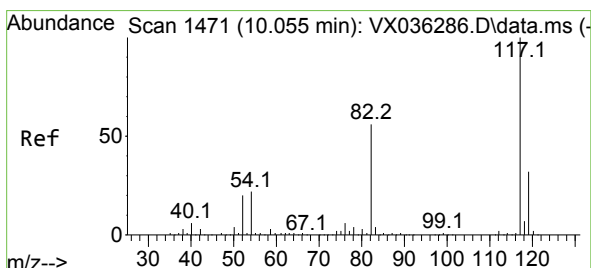
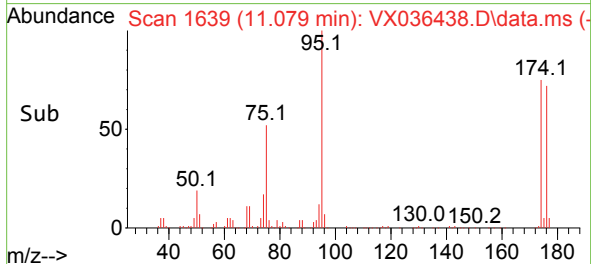
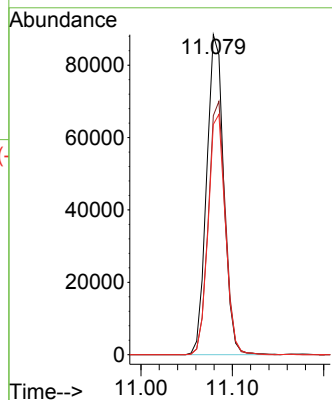
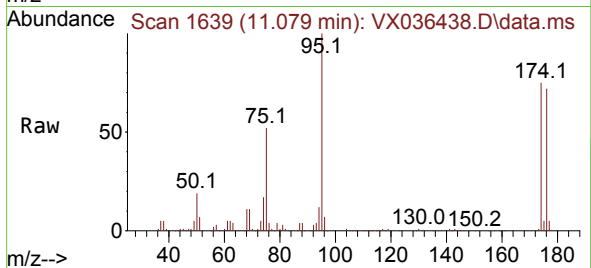
Tgt Ion: 95 Resp: 114527

Ion Ratio Lower Upper

95 100

174 79.2 0.0 135.6

176 75.5 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: VX036438.D

Acq: 06 Jul 2023 16:17

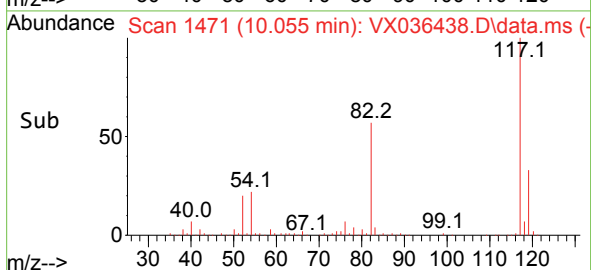
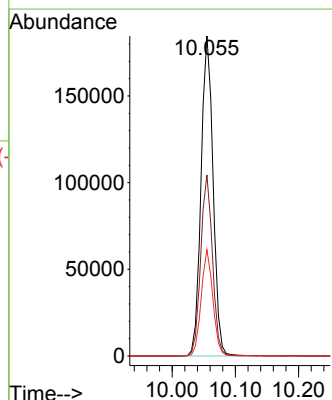
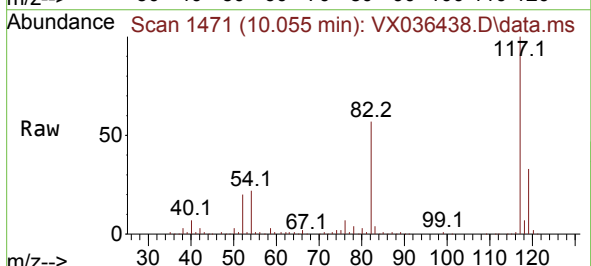
Tgt Ion: 117 Resp: 244970

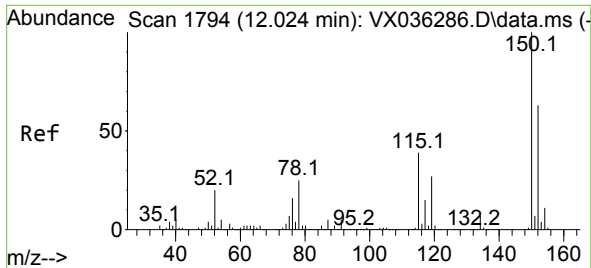
Ion Ratio Lower Upper

117 100

82 56.6 46.2 69.4

119 33.2 25.5 38.3

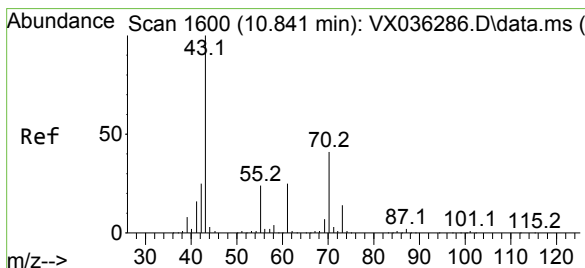
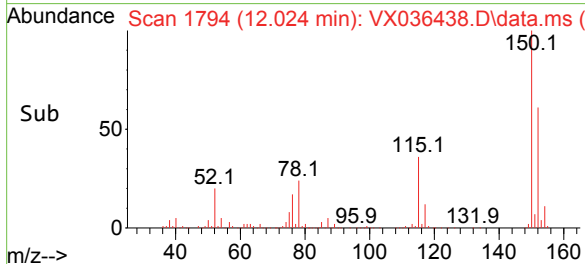
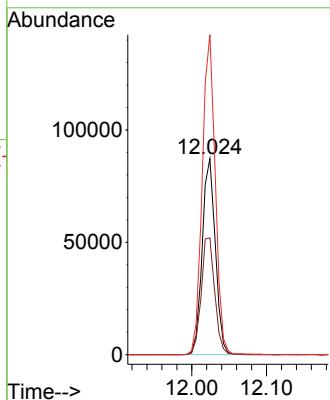
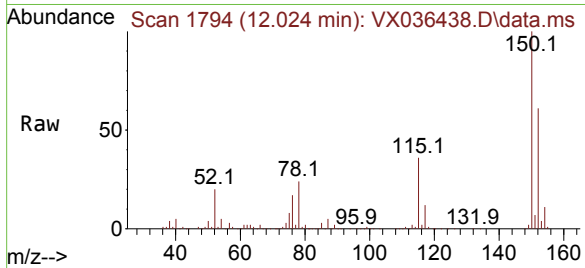




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036438.D
 Acq: 06 Jul 2023 16:17

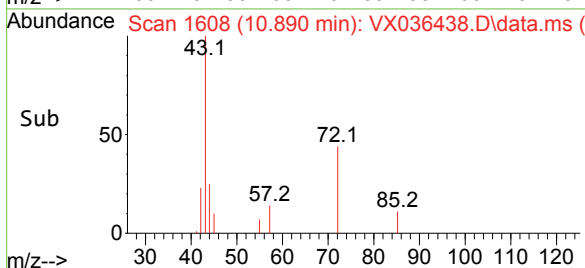
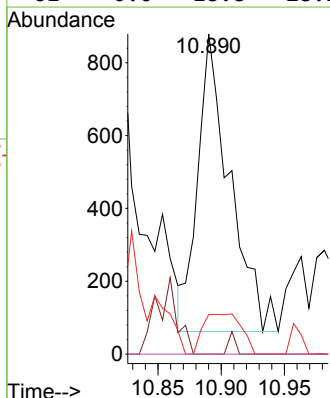
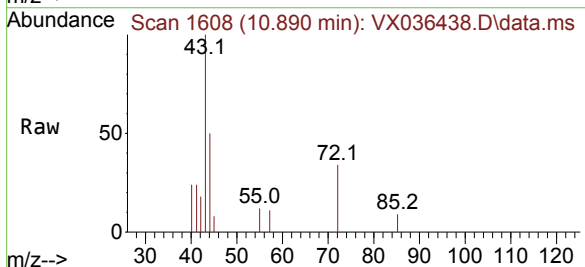
Instrument :
 MSVOA_X
 ClientSampleId :
 CP-4

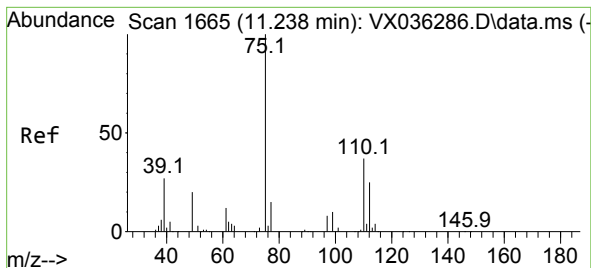
Tgt Ion:152 Resp: 106725
 Ion Ratio Lower Upper
 152 100
 115 61.3 43.3 129.9
 150 161.5 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.454 ug/l
 RT: 10.890 min Scan# 1608
 Delta R.T. 0.049 min
 Lab File: VX036438.D
 Acq: 06 Jul 2023 16:17

Tgt Ion: 43 Resp: 1443
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 16.1 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.696 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036438.D

Acq: 06 Jul 2023 16:17

Instrument :

MSVOA_X

ClientSampleId :

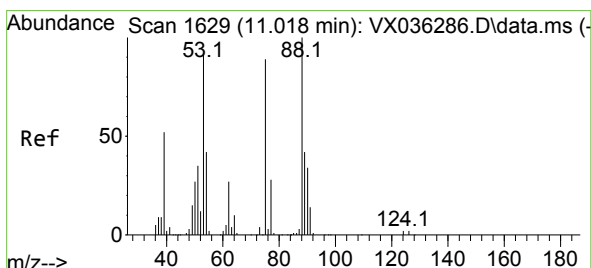
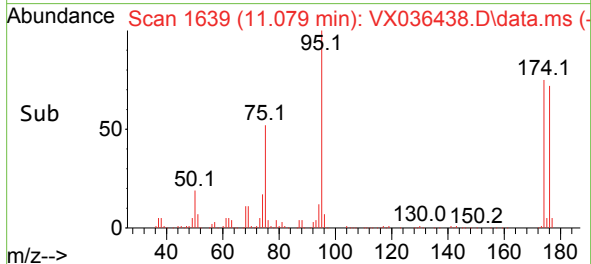
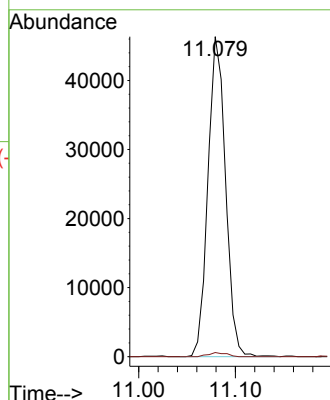
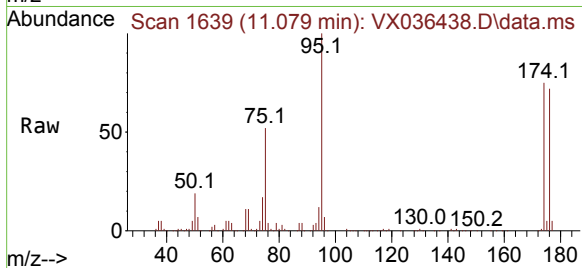
CP-4

Tgt Ion: 75 Resp: 58496

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.762 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036438.D

Acq: 06 Jul 2023 16:17

Tgt Ion: 75 Resp: 58496

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

