

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036418.D
 Acq On : 05 Jul 2023 20:51
 Operator : JC/MD
 Sample : 03507-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CP-2

Quant Time: Jul 06 04:58:24 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)

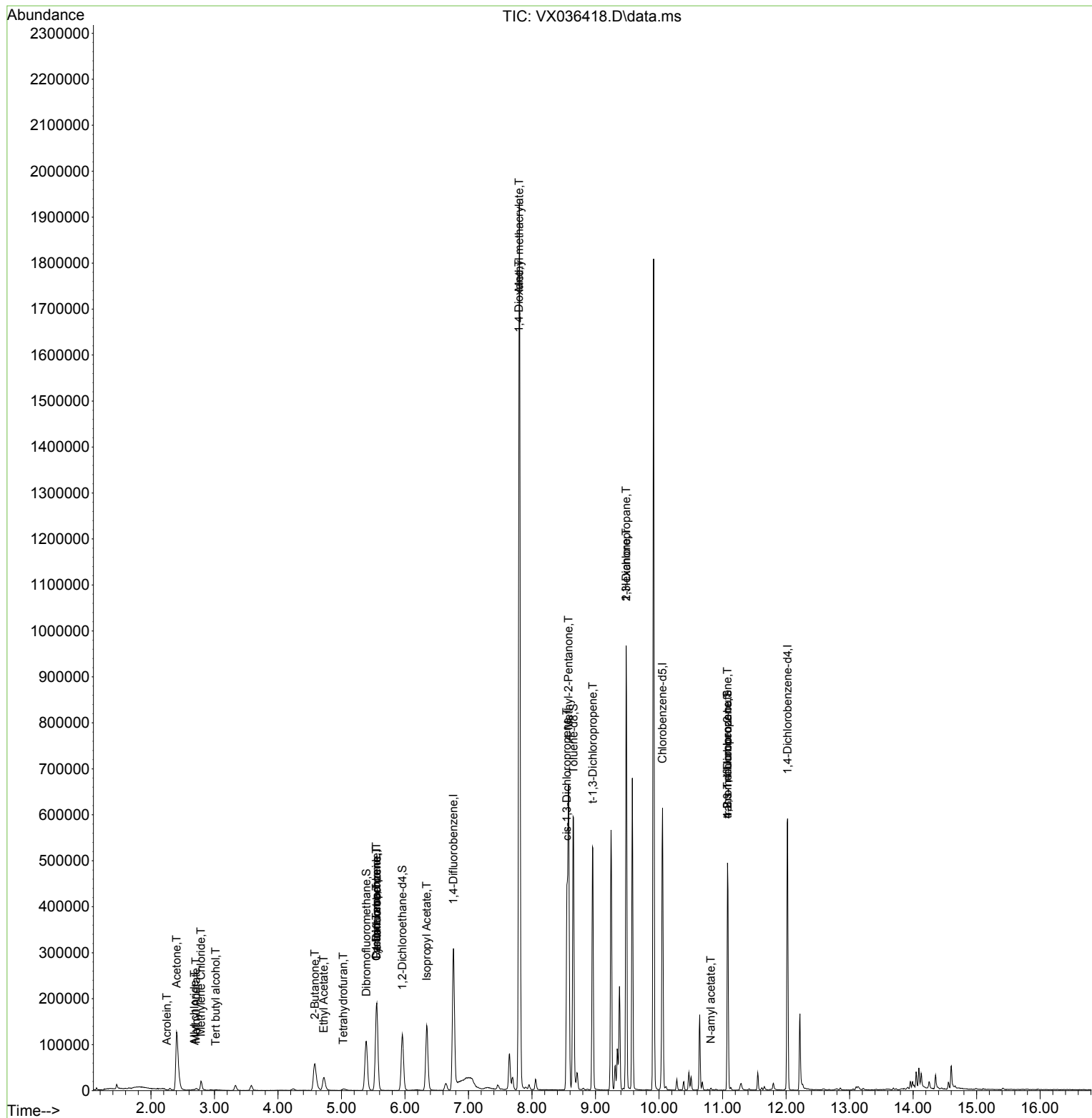
Internal Standards						
1) Pentafluorobenzene	5.556	168	180633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	302109	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	269093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	113630	43.885	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.780%		
35) Dibromofluoromethane	5.391	113	93005	46.689	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.380%		
50) Toluene-d8	8.653	98	361331	48.565	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.120%		
62) 4-Bromofluorobenzene	11.079	95	128979	49.216	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.440%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.020	59	2395	5.082	ug/l #	89
13) Acrolein	2.251	56	358	0.553	ug/l #	14
14) Allyl chloride	2.684	41	1434	0.430	ug/l #	24
16) Acetone	2.404	43	232409	209.998	ug/l	96
18) Methyl Acetate	2.709	43	3848	0.846	ug/l	94
20) Methylene Chloride	2.788	84	9152	3.841	ug/l	93
25) 2-Butanone	4.580	43	121827	76.614	ug/l	96
29) Tetrahydrofuran	5.025	42	3860	3.813	ug/l #	54
31) Cyclohexane	5.550	56	4037	1.217	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	14445	4.865	ug/l #	47
37) Ethyl Acetate	4.720	43	54413	17.979	ug/l	99
38) Carbon Tetrachloride	5.550	117	18766	6.920	ug/l #	15
43) Isopropyl Acetate	6.342	43	192781	39.930	ug/l	97
48) Methyl methacrylate	7.799	41	163963	68.113	ug/l #	47
49) 1,4-Dioxane	7.793	88	265	4.966	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	521979	167.813	ug/l #	87
53) t-1,3-Dichloropropene	8.958	75	1136	0.391	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	65323	19.892	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	8340	2.227	ug/l #	42
59) 2-Hexanone	9.482	43	111564	49.116	ug/l #	53
74) N-amyl acetate	10.817	43	1306	0.346	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	67245	24.879	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	67245	81.099	ug/l #	5

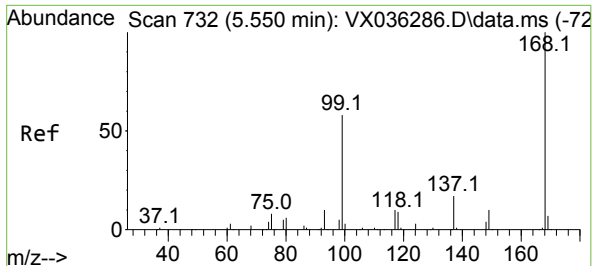
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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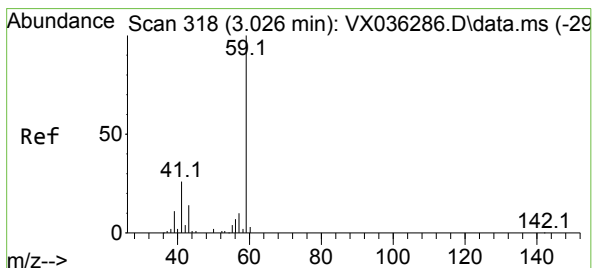
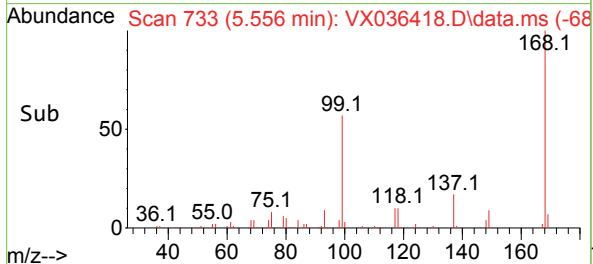
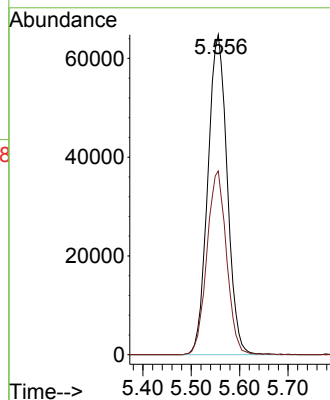
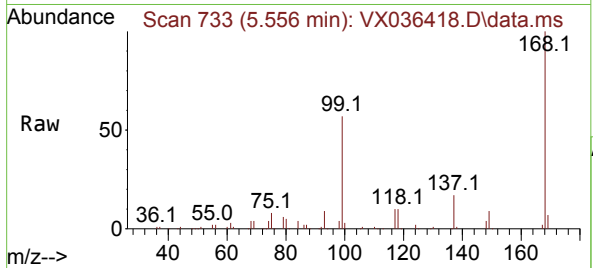




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

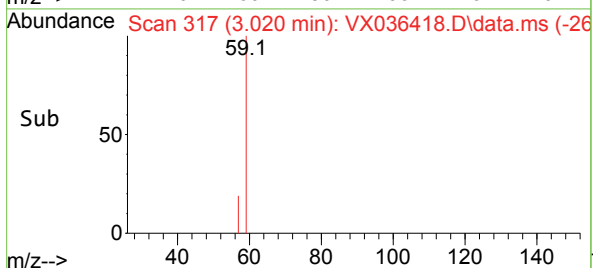
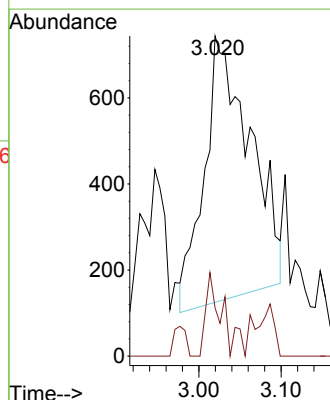
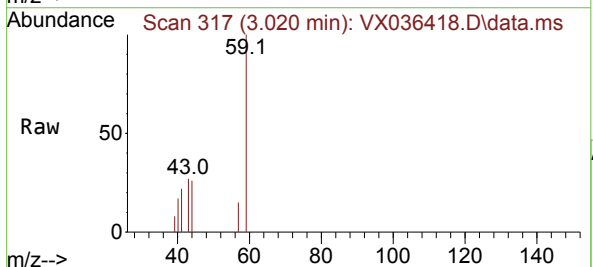
Instrument :
MSVOA_X
ClientSampleId :
CP-2

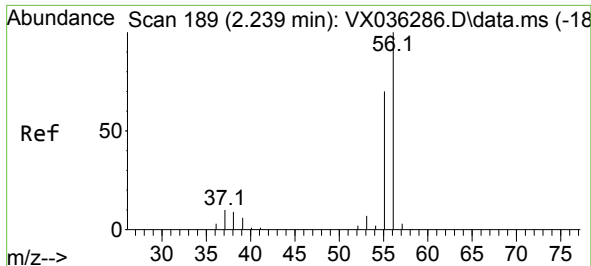
Tgt Ion:168 Resp: 180633
Ion Ratio Lower Upper
168 100
99 57.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 5.082 ug/l
RT: 3.020 min Scan# 317
Delta R.T. 0.007 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

Tgt Ion: 59 Resp: 2395
Ion Ratio Lower Upper
59 100
57 11.4 6.0 9.0#





#13

Acrolein

Concen: 0.553 ug/l

RT: 2.251 min Scan# 191

Delta R.T. 0.012 min

Lab File: VX036418.D

Acq: 05 Jul 2023 20:51

Instrument :

MSVOA_X

ClientSampleId :

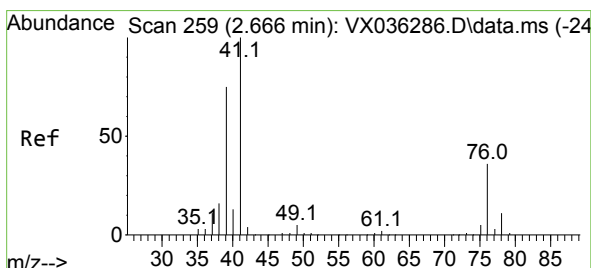
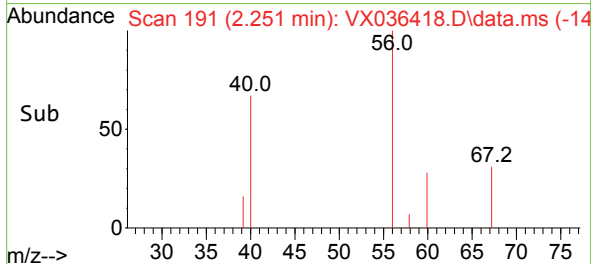
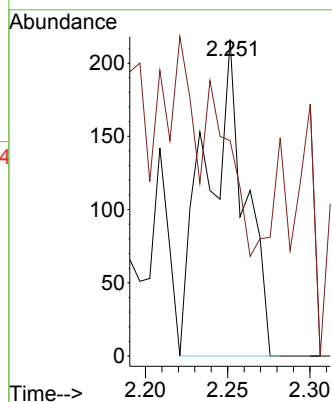
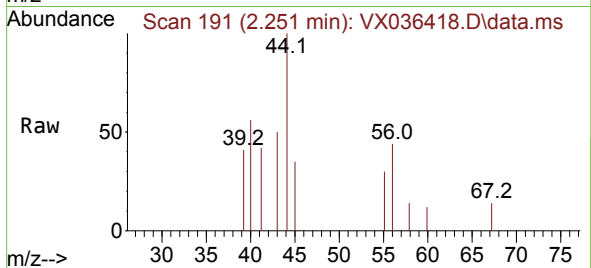
CP-2

Tgt Ion: 56 Resp: 358

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#14

Allyl chloride

Concen: 0.430 ug/l

RT: 2.684 min Scan# 262

Delta R.T. 0.018 min

Lab File: VX036418.D

Acq: 05 Jul 2023 20:51

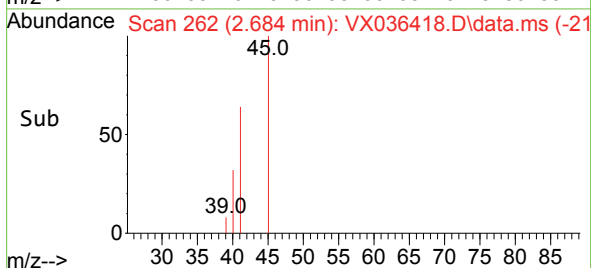
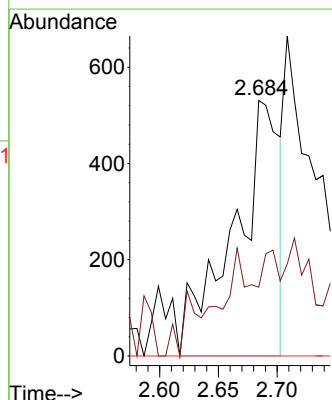
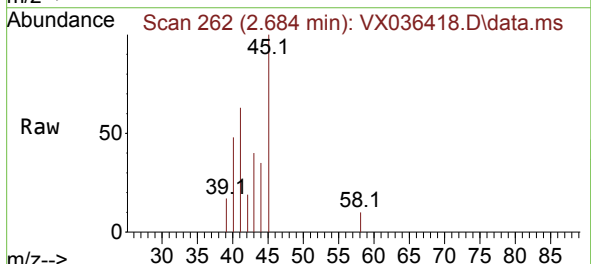
Tgt Ion: 41 Resp: 1434

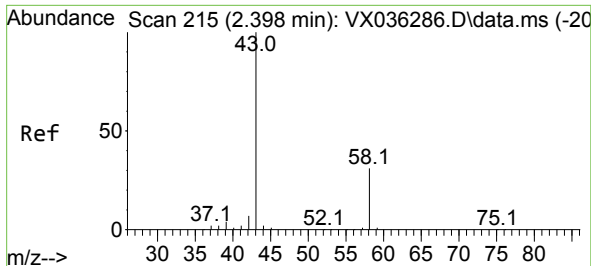
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

76 0.0 24.3 36.5#

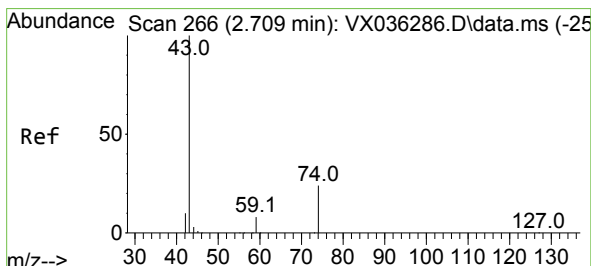
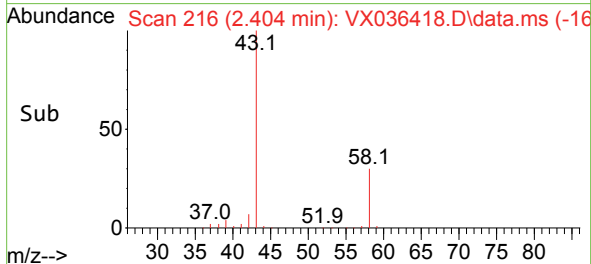
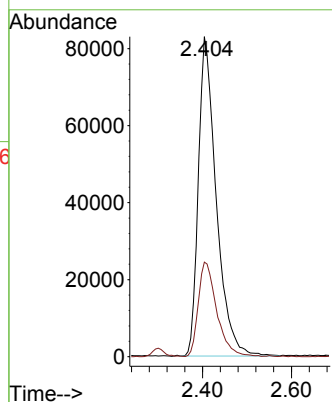
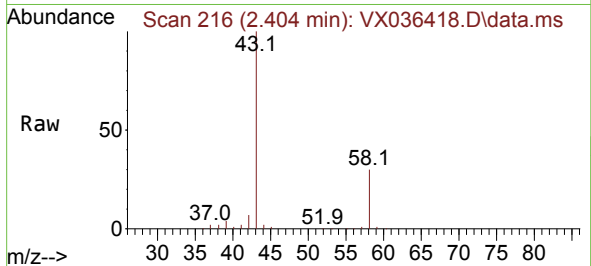




#16
Acetone
Concen: 209.998 ug/l
RT: 2.404 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

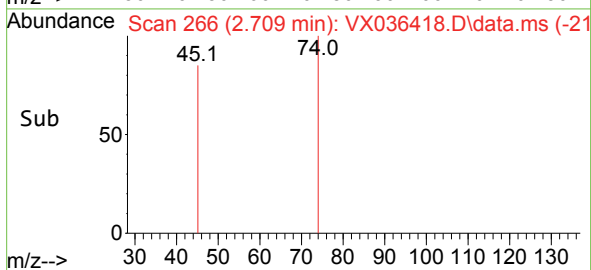
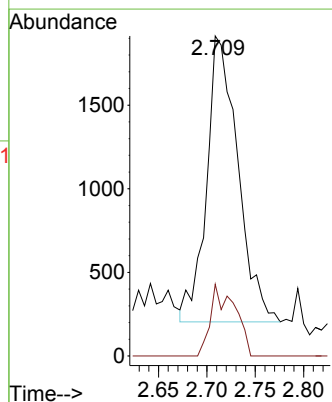
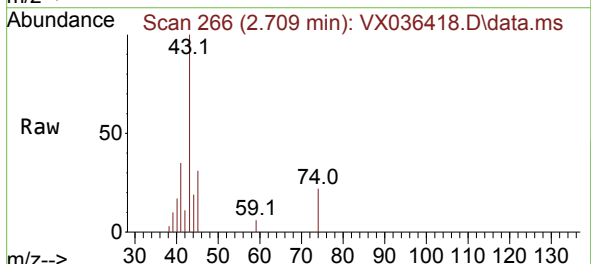
Instrument :
MSVOA_X
ClientSampleId :
CP-2

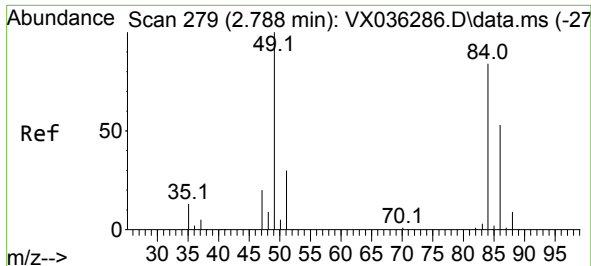
Tgt Ion: 43 Resp: 232409
Ion Ratio Lower Upper
43 100
58 29.5 21.9 32.9



#18
Methyl Acetate
Concen: 0.846 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

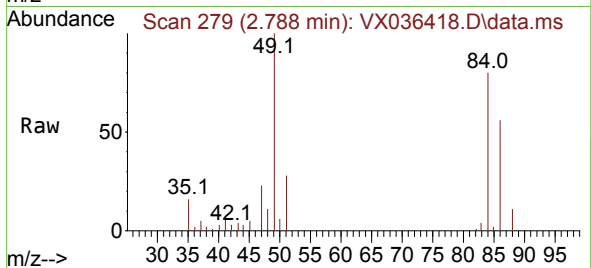
Tgt Ion: 43 Resp: 3848
Ion Ratio Lower Upper
43 100
74 19.5 17.8 26.8



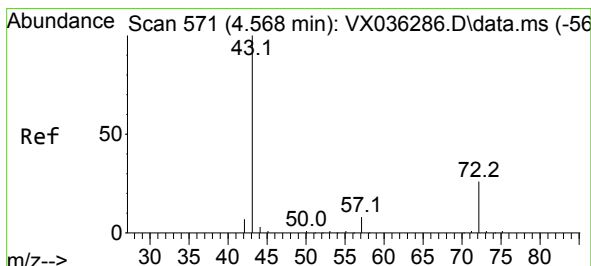
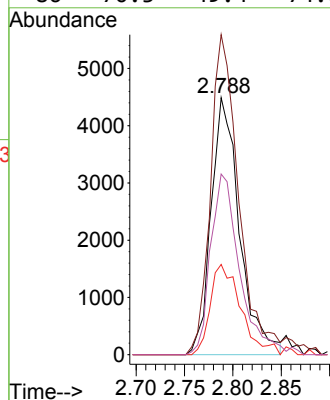
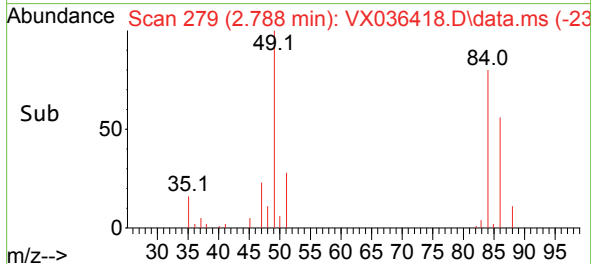


#20
Methylene Chloride
Concen: 3.841 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

Instrument :
MSVOA_X
ClientSampleId :
CP-2

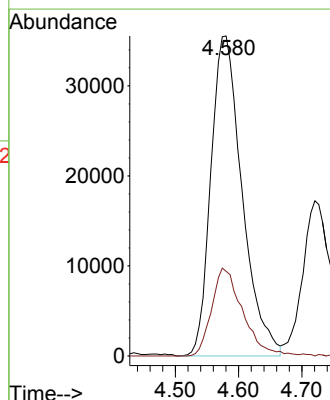
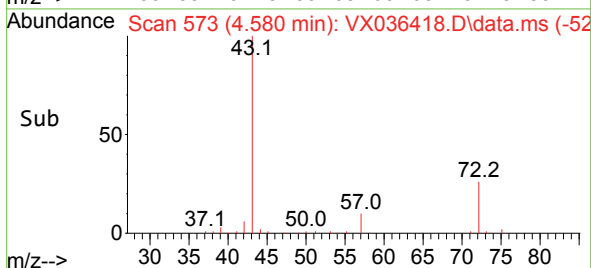
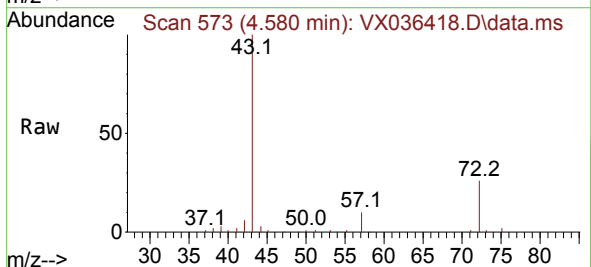


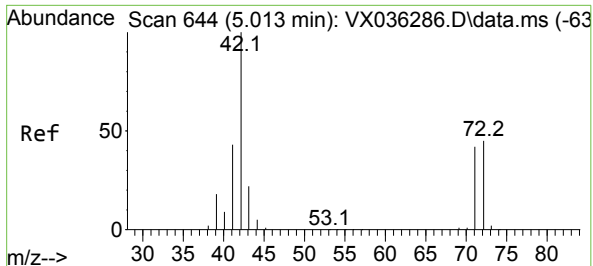
Tgt Ion:	84	Resp:	9152
Ion	Ratio	Lower	Upper
84	100		
49	124.5	103.6	155.4
51	35.1	33.8	50.6
86	70.3	49.4	74.0



#25
2-Butanone
Concen: 76.614 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

Tgt Ion:	43	Resp:	121827
Ion	Ratio	Lower	Upper
43	100		
72	26.4	19.4	29.2





#29

Tetrahydrofuran

Concen: 3.813 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX036418.D

Acq: 05 Jul 2023 20:51

Instrument :

MSVOA_X

ClientSampleId :

CP-2

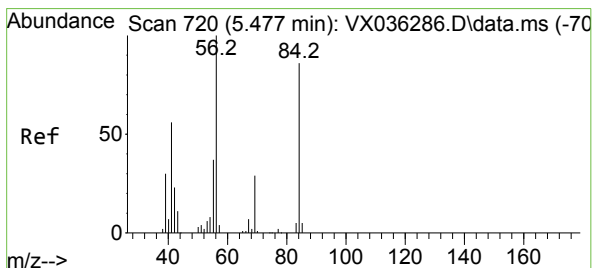
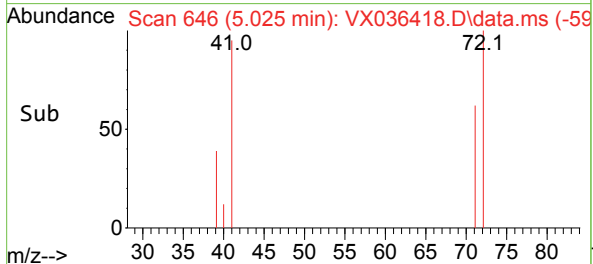
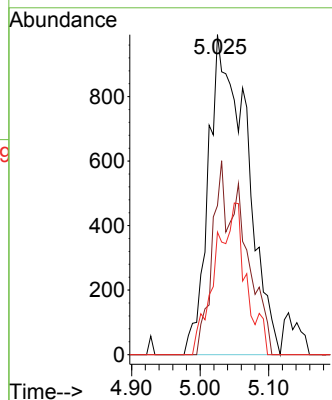
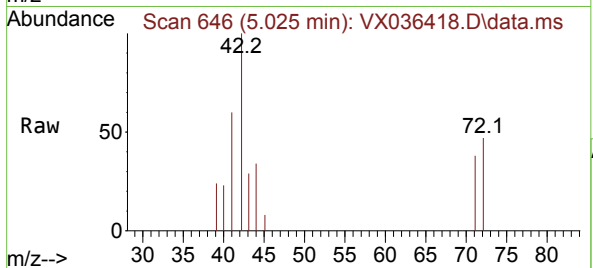
Tgt Ion: 42 Resp: 3860

Ion Ratio Lower Upper

42 100

72 25.3 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.217 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036418.D

Acq: 05 Jul 2023 20:51

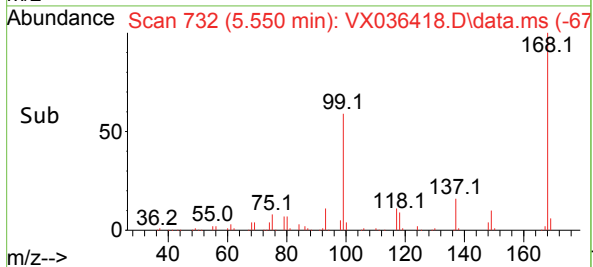
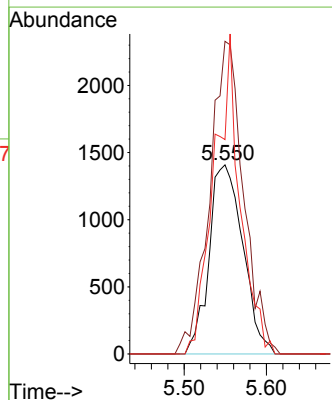
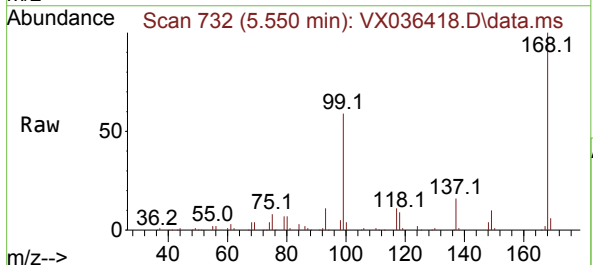
Tgt Ion: 56 Resp: 4037

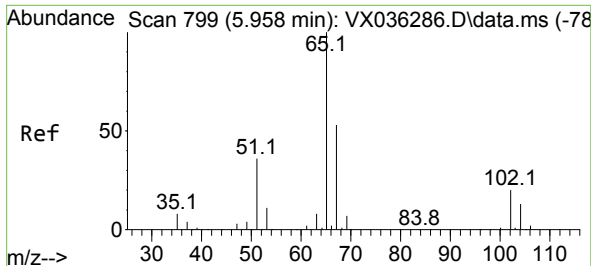
Ion Ratio Lower Upper

56 100

69 165.3 23.4 35.2#

84 113.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.885 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036418.D

Acq: 05 Jul 2023 20:51

Instrument :

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ClientSampleId :

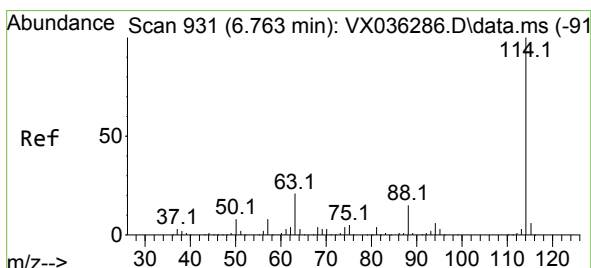
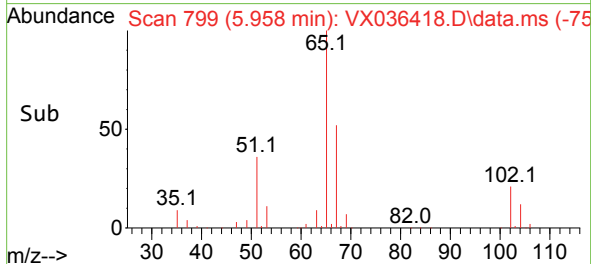
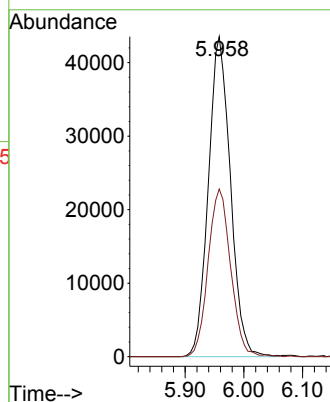
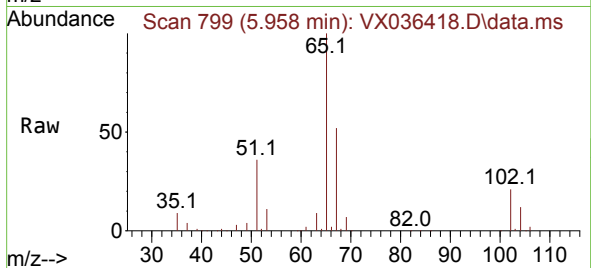
CP-2

Tgt Ion: 65 Resp: 113630

Ion Ratio Lower Upper

65 100

67 53.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX036418.D

Acq: 05 Jul 2023 20:51

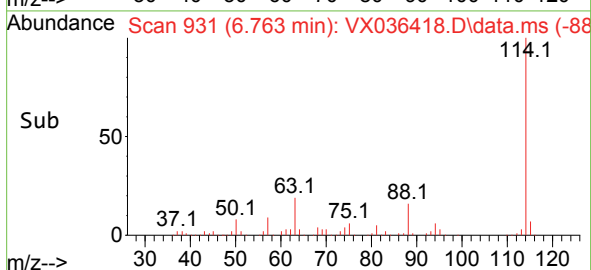
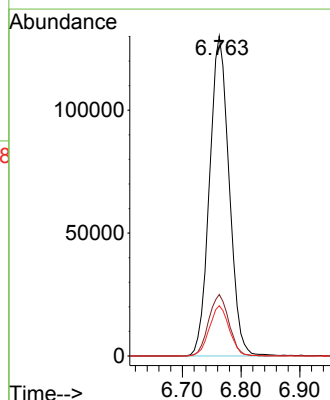
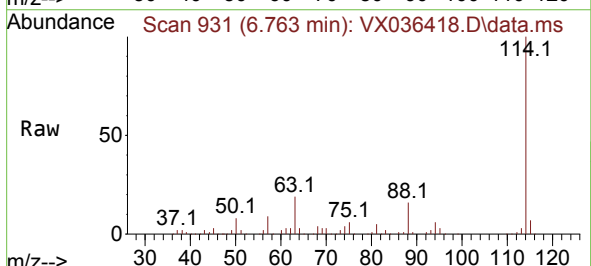
Tgt Ion: 114 Resp: 302109

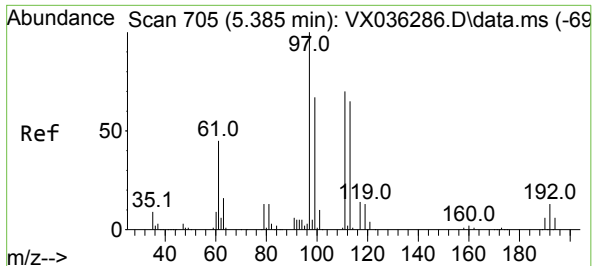
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

88 15.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.689 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX036418.D

Acq: 05 Jul 2023 20:51

Instrument :

MSVOA_X

ClientSampleId :

CP-2

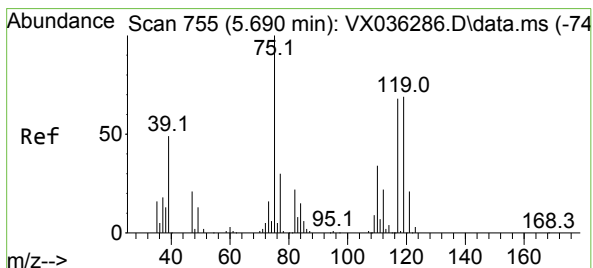
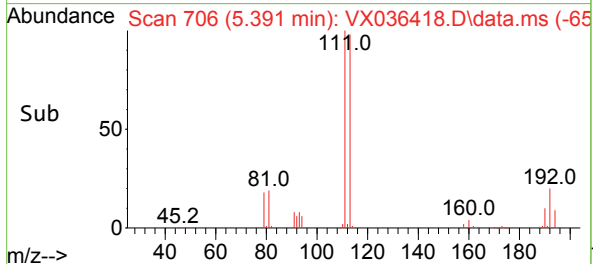
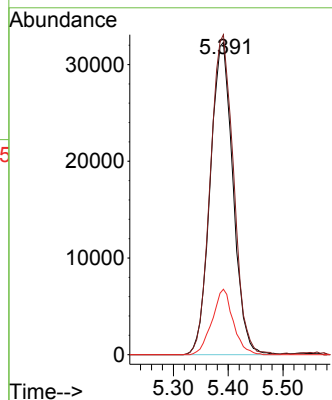
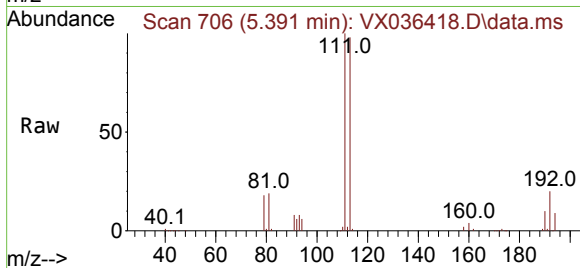
Tgt Ion:113 Resp: 93005

Ion Ratio Lower Upper

113 100

111 104.6 82.9 124.3

192 19.4 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.865 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX036418.D

Acq: 05 Jul 2023 20:51

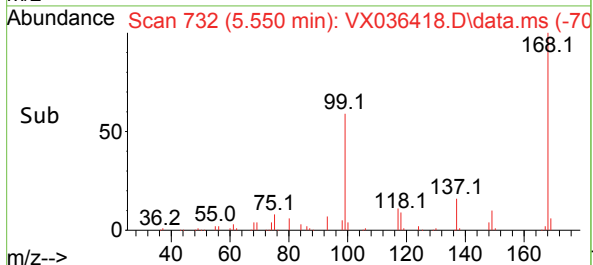
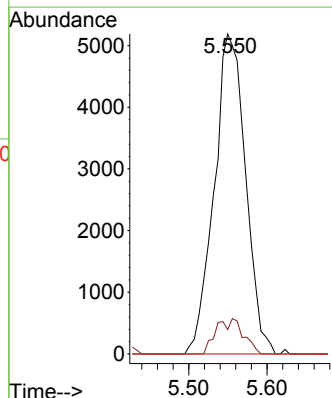
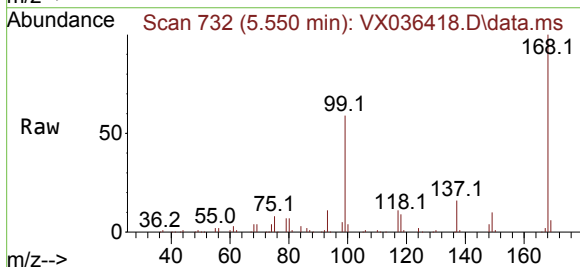
Tgt Ion: 75 Resp: 14445

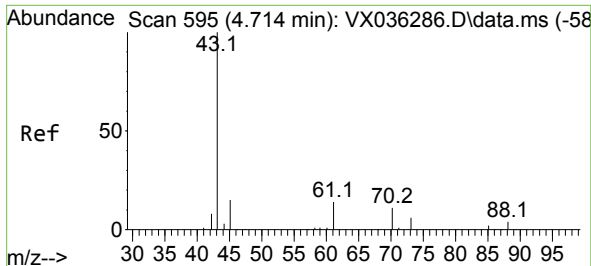
Ion Ratio Lower Upper

75 100

110 4.8 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 17.979 ug/l

RT: 4.720 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX036418.D

Acq: 05 Jul 2023 20:51

Instrument :

MSVOA_X

ClientSampleId :

CP-2

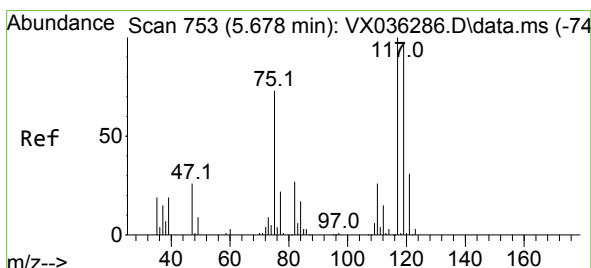
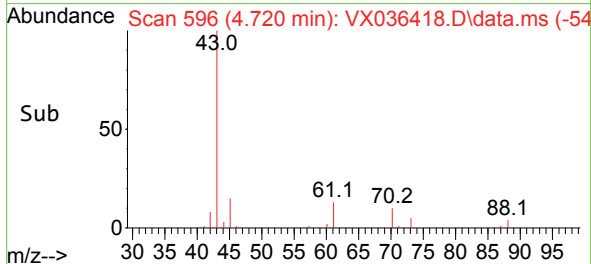
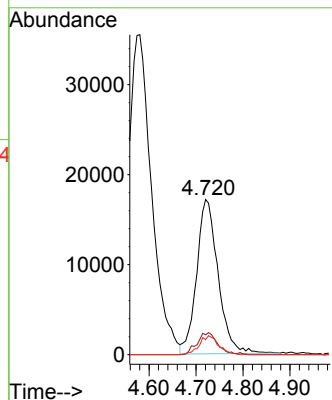
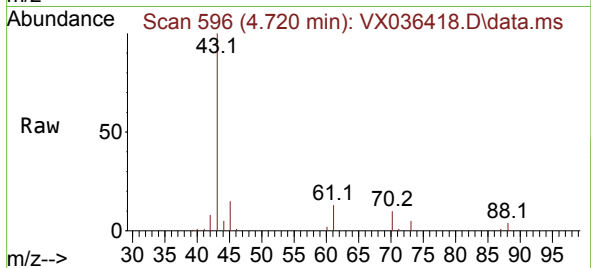
Tgt Ion: 43 Resp: 54413

Ion Ratio Lower Upper

43 100

61 13.6 10.6 16.0

70 10.9 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.920 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX036418.D

Acq: 05 Jul 2023 20:51

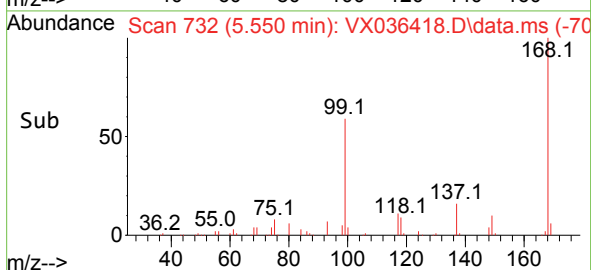
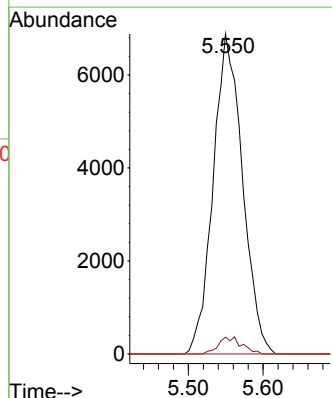
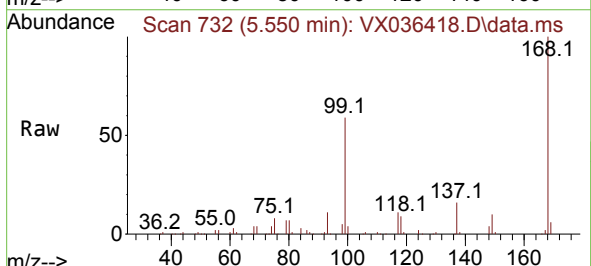
Tgt Ion: 117 Resp: 18766

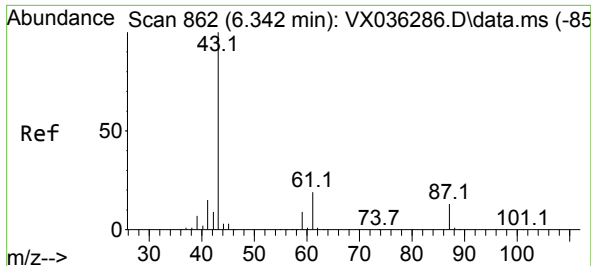
Ion Ratio Lower Upper

117 100

119 5.3 78.2 117.2#

121 0.0 24.4 36.6#

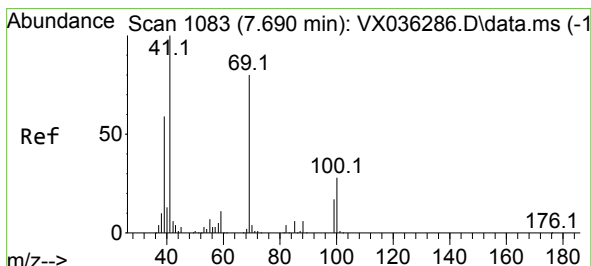
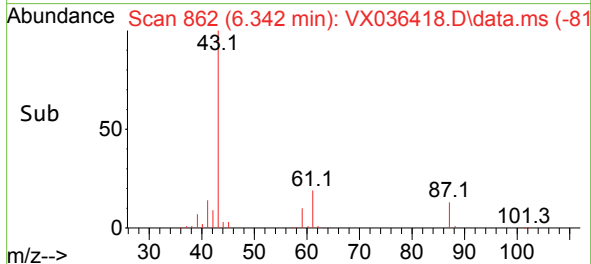
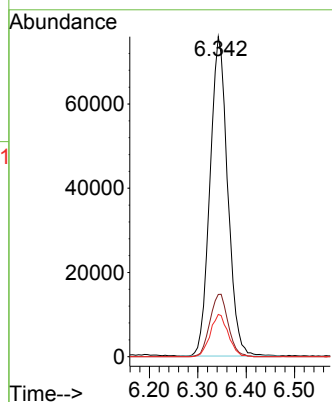
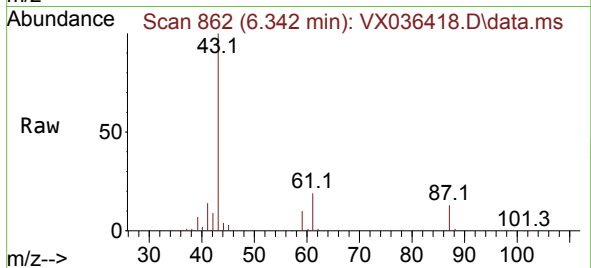




#43
Isopropyl Acetate
Concen: 39.930 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

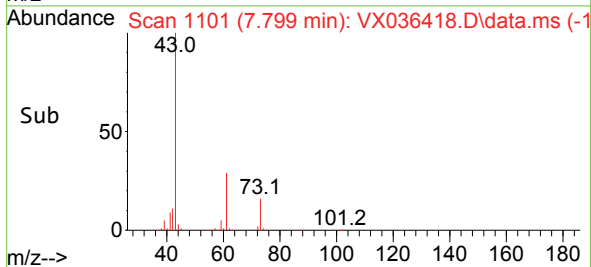
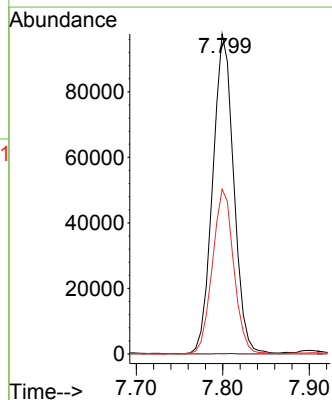
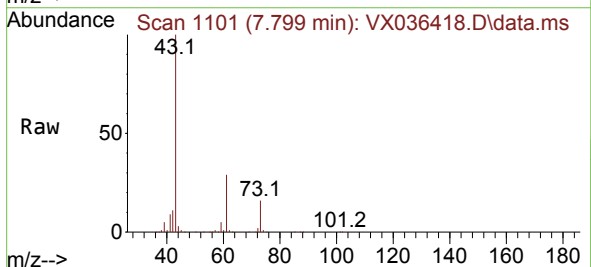
Instrument :
MSVOA_X
ClientSampleId :
CP-2

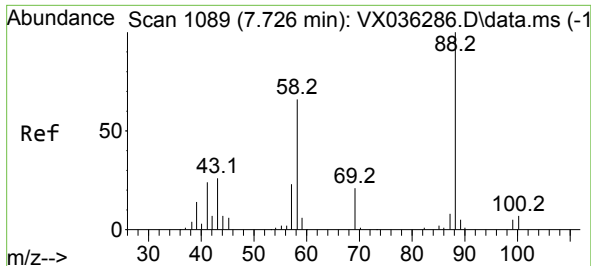
Tgt Ion: 43 Resp: 192781
Ion Ratio Lower Upper
43 100
61 20.1 15.2 22.8
87 13.4 9.8 14.6



#48
Methyl methacrylate
Concen: 68.113 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

Tgt Ion: 41 Resp: 163963
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 52.5 47.7 71.5

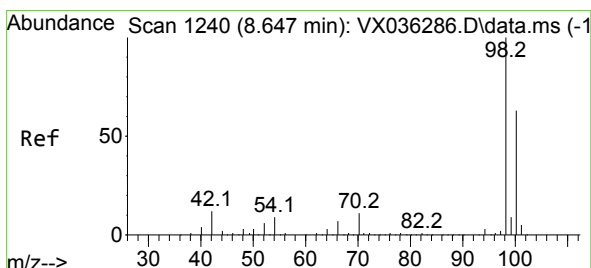
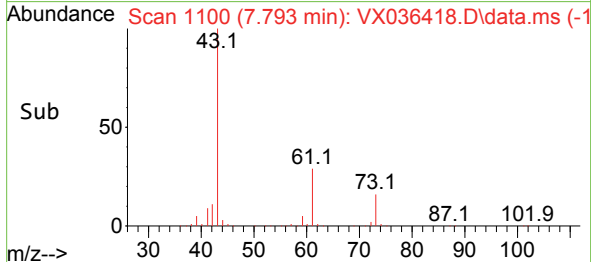
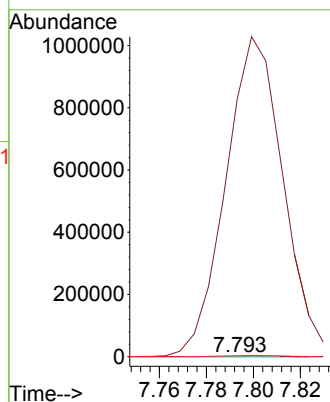
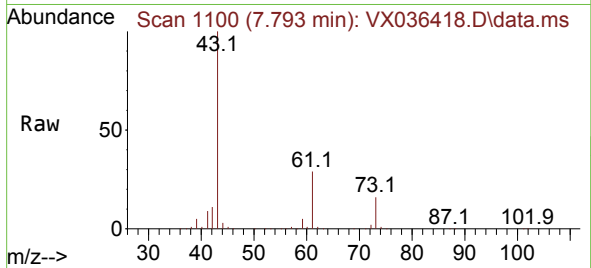




#49
1,4-Dioxane
Concen: 4.966 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.061 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

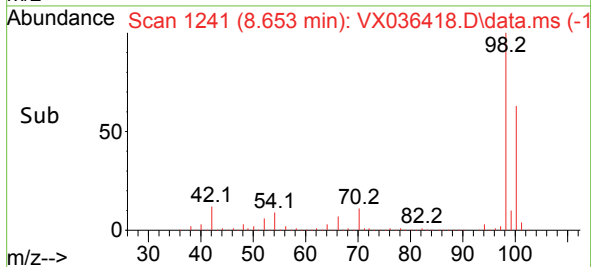
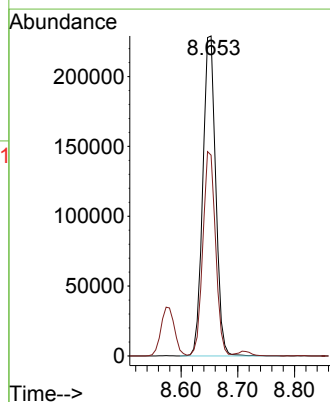
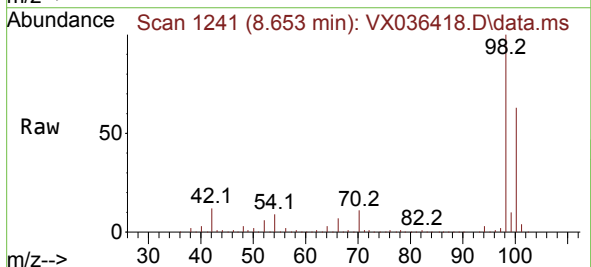
Instrument :
MSVOA_X
ClientSampleId :
CP-2

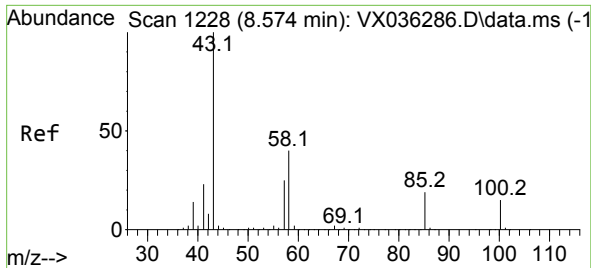
Tgt Ion: 88 Resp: 265
Ion Ratio Lower Upper
88 100
43 663804.5 0.0 0.0#
58 2806.8 60.1 90.1#



#50
Toluene-d8
Concen: 48.565 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

Tgt Ion: 98 Resp: 361331
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7

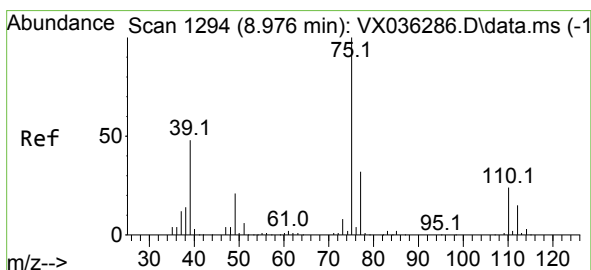
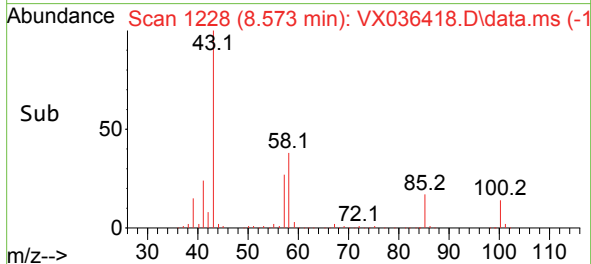
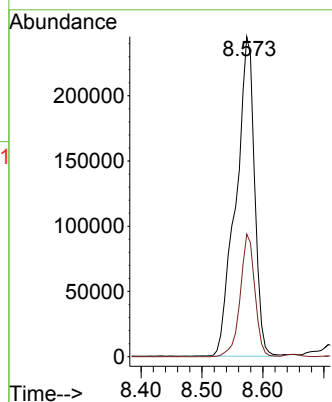
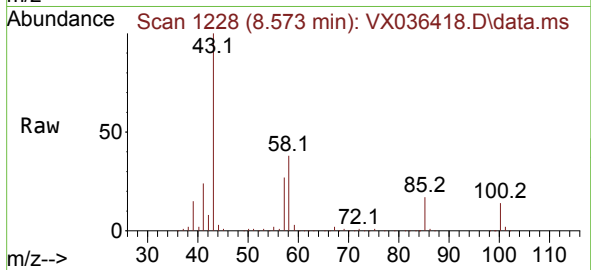




#51
4-Methyl-2-Pentanone
Concen: 167.813 ug/l
RT: 8.573 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

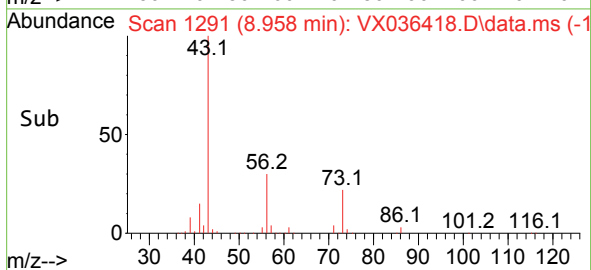
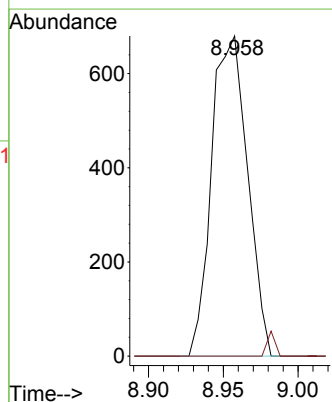
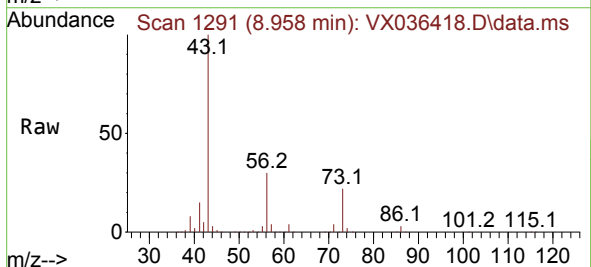
Instrument :
MSVOA_X
ClientSampleId :
CP-2

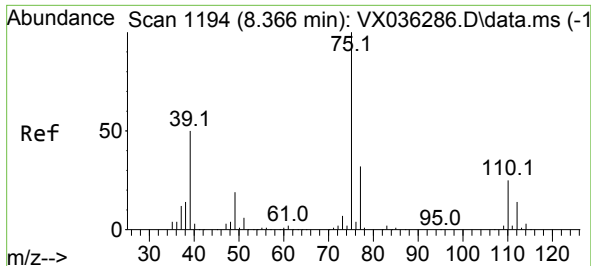
Tgt Ion: 43 Resp: 521979
Ion Ratio Lower Upper
43 100
58 30.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.391 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

Tgt Ion: 75 Resp: 1136
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

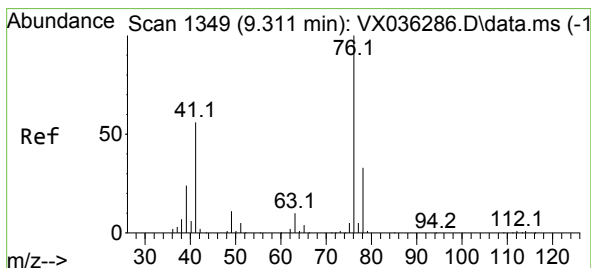
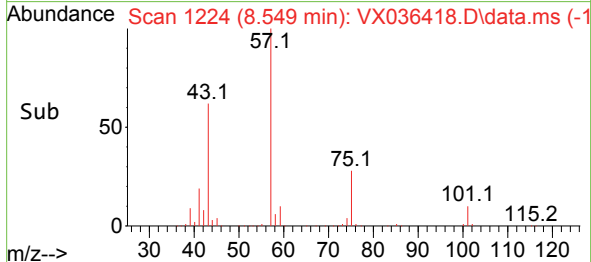
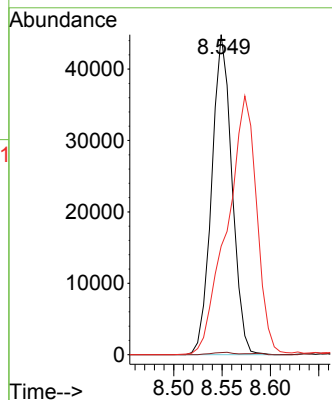
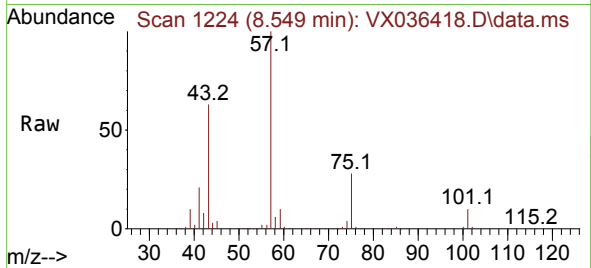




#54
 cis-1,3-Dichloropropene
 Concen: 19.892 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036418.D
 Acq: 05 Jul 2023 20:51

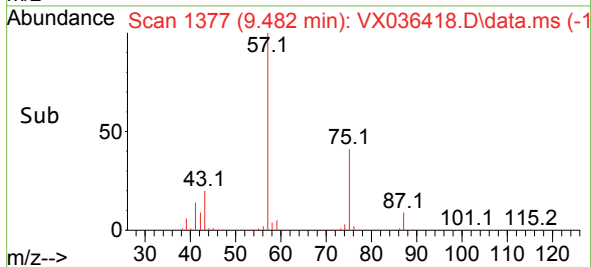
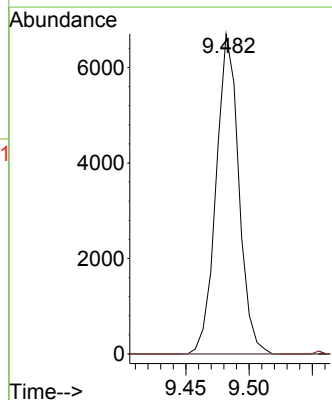
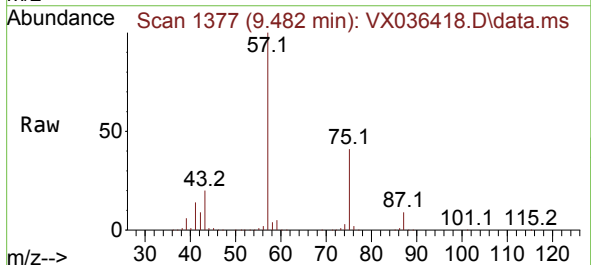
Instrument :
 MSVOA_X
 ClientSampleId :
 CP-2

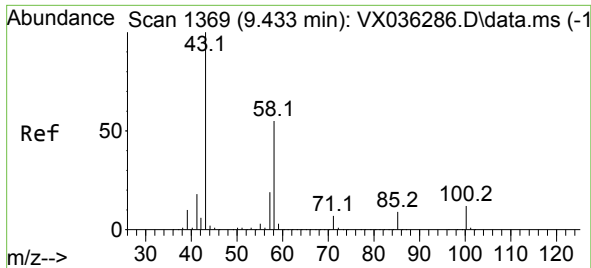
Tgt Ion: 75 Resp: 65323
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 33.8 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.227 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036418.D
 Acq: 05 Jul 2023 20:51

Tgt Ion: 76 Resp: 8340
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

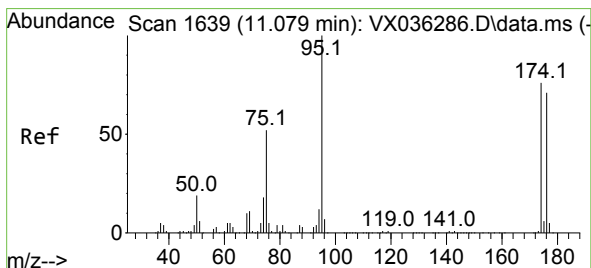
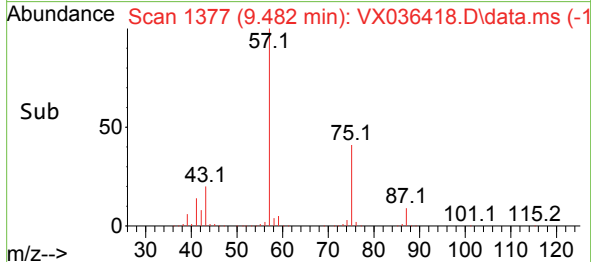
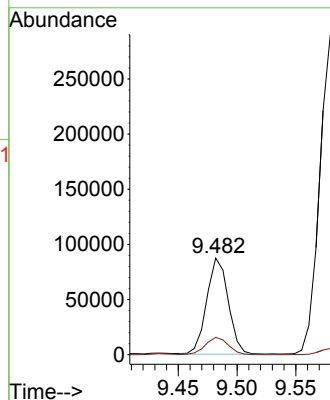
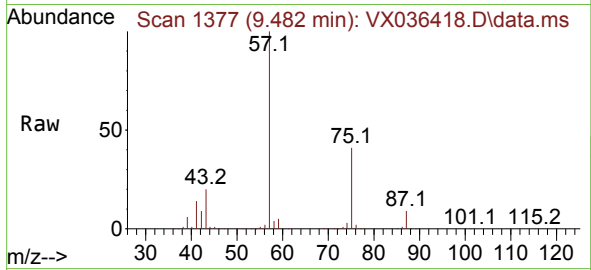




#59
2-Hexanone
Concen: 49.116 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

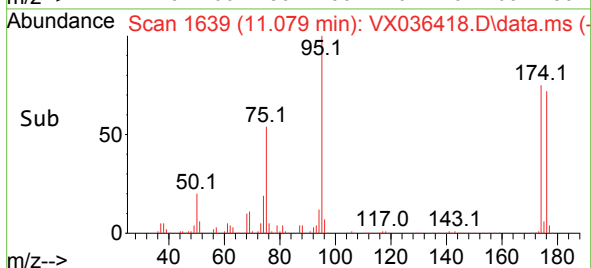
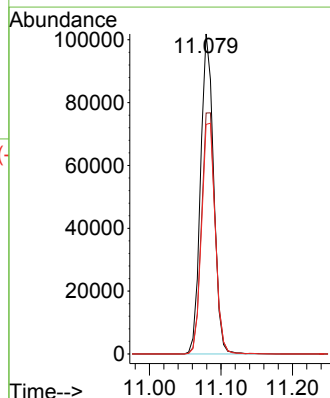
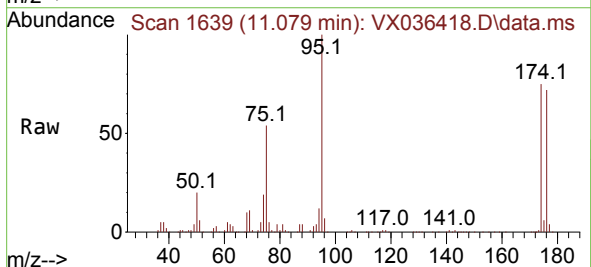
Instrument :
MSVOA_X
ClientSampleId :
CP-2

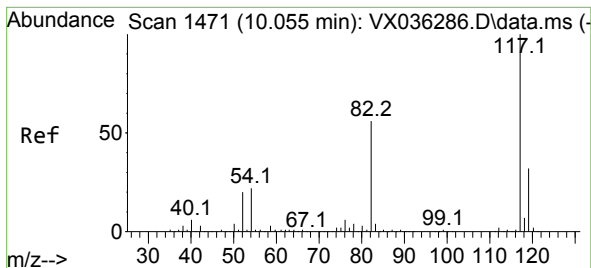
Tgt Ion: 43 Resp: 111564
Ion Ratio Lower Upper
43 100
58 19.1 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.216 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

Tgt Ion: 95 Resp: 128979
Ion Ratio Lower Upper
95 100
174 78.7 0.0 135.6
176 75.6 0.0 131.0

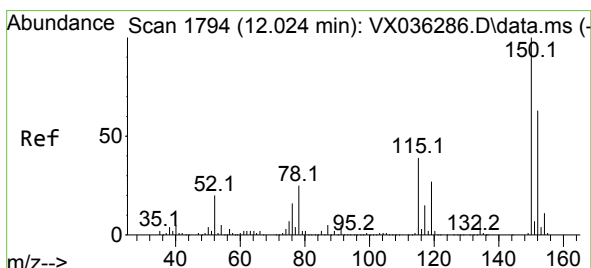
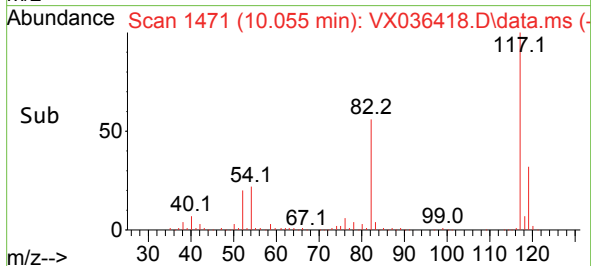
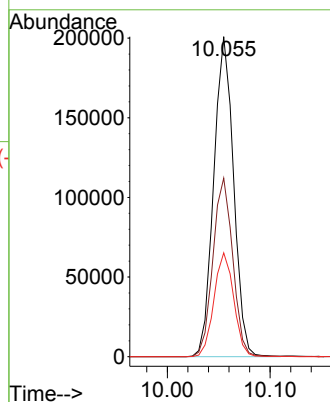
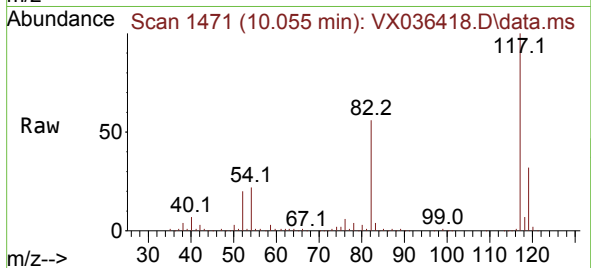




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

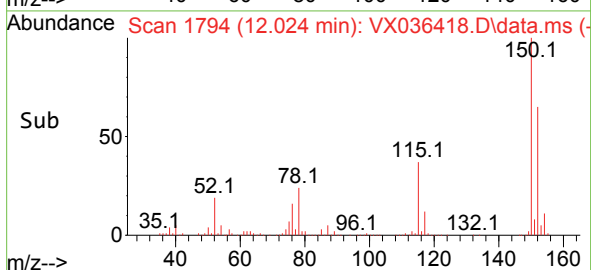
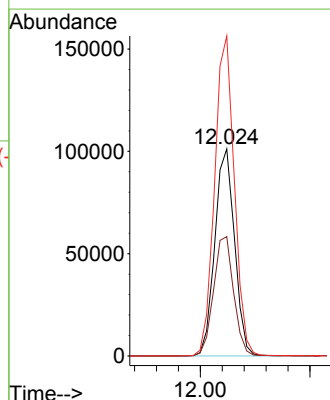
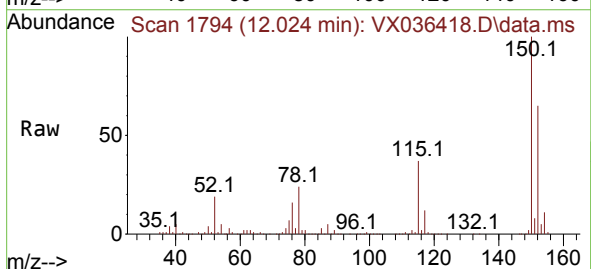
Instrument :
MSVOA_X
ClientSampleId :
CP-2

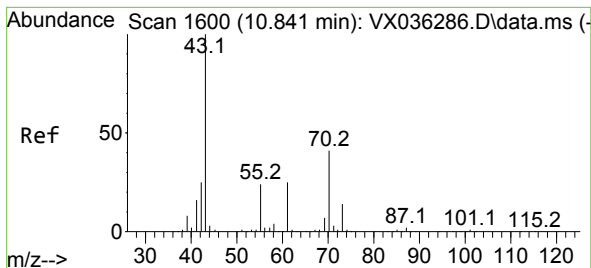
Tgt Ion:117 Resp: 269093
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036418.D
Acq: 05 Jul 2023 20:51

Tgt Ion:152 Resp: 126716
Ion Ratio Lower Upper
152 100
115 58.8 43.3 129.9
150 154.1 0.0 345.0





#74

N-ethyl acetate

Concen: 0.346 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX036418.D

Acq: 05 Jul 2023 20:51

Instrument :

MSVOA_X

ClientSampleId :

CP-2

Tgt Ion: 43 Resp: 1306

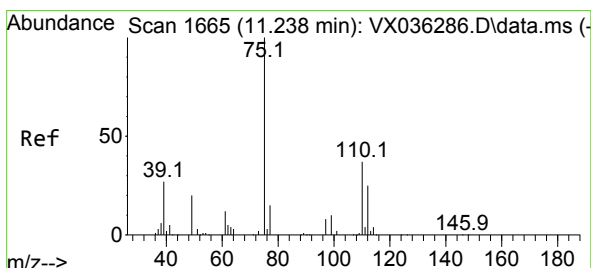
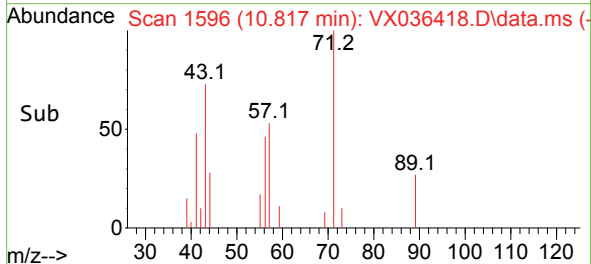
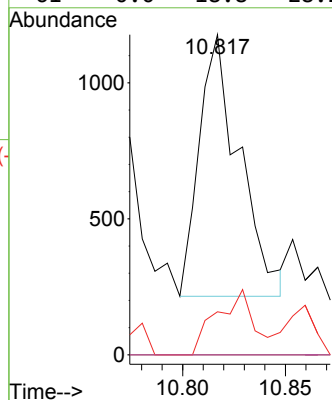
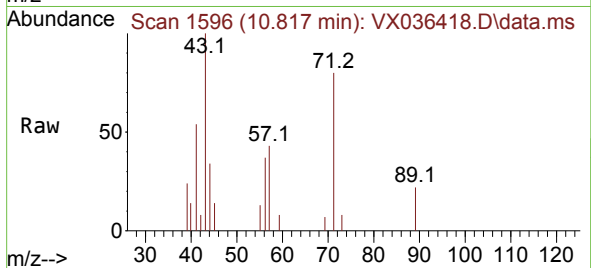
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 23.1 19.3 28.9

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.879 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036418.D

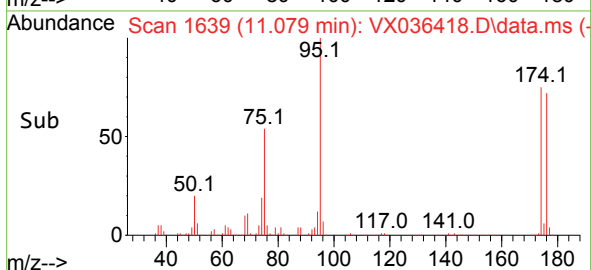
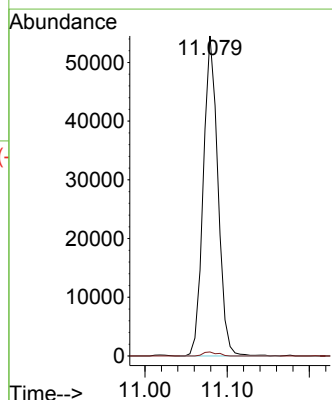
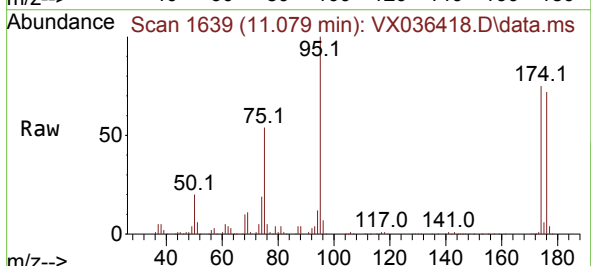
Acq: 05 Jul 2023 20:51

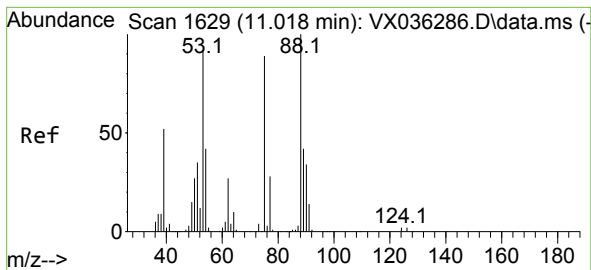
Tgt Ion: 75 Resp: 67245

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.099 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036418.D
 Acq: 05 Jul 2023 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 CP-2

Tgt Ion: 75 Resp: 67245
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

