

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071023\
 Data File : VX036484.D
 Acq On : 10 Jul 2023 15:44
 Operator : JC/MD
 Sample : PB154051ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#06

Quant Time: Jul 11 01:30:10 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)

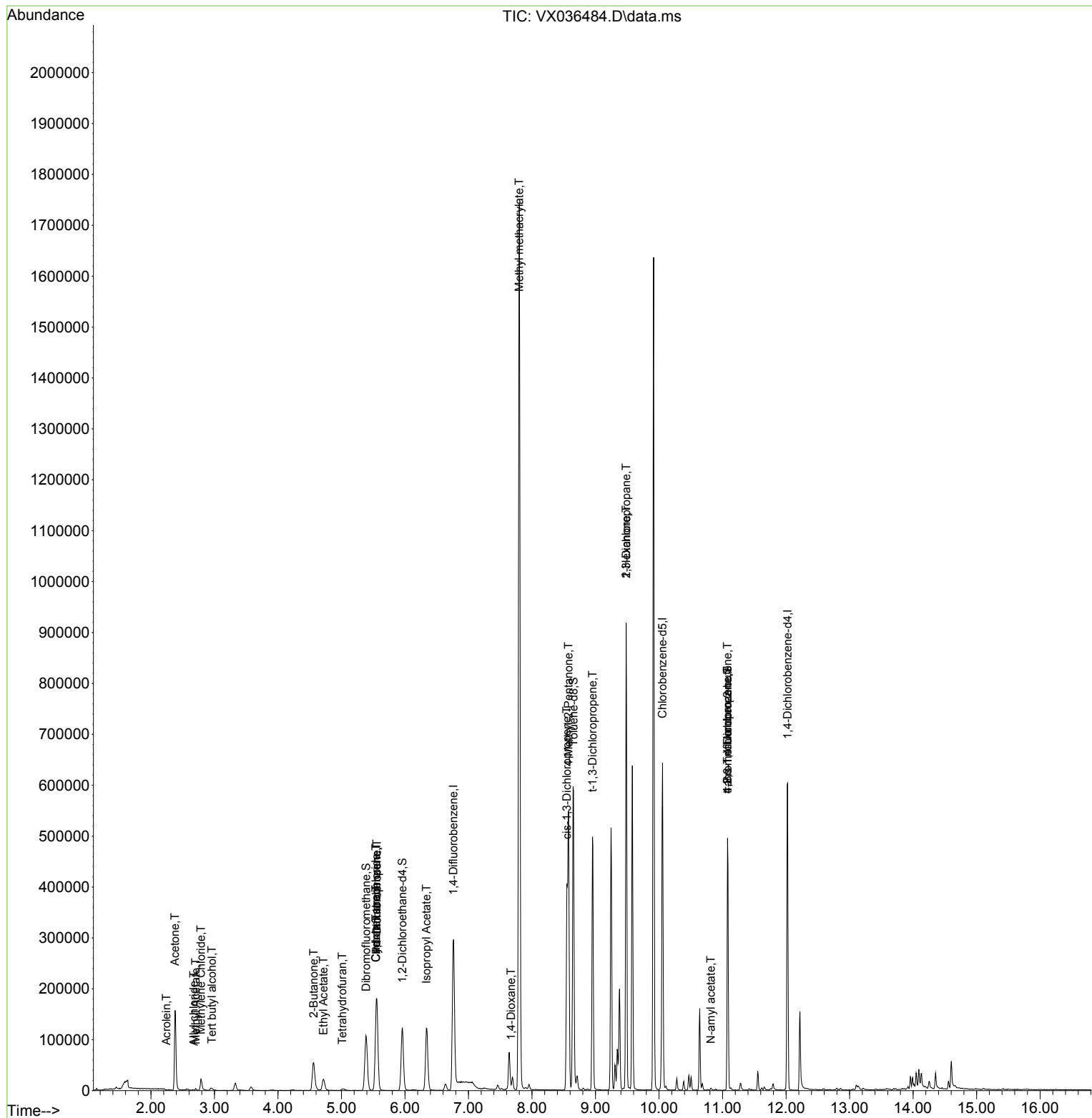
Internal Standards						
1) Pentafluorobenzene	5.549	168	171001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	299583	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	274569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	115113	46.962	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.920%		
35) Dibromofluoromethane	5.385	113	93124	47.143	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.280%		
50) Toluene-d8	8.652	98	361692	49.023	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.040%		
62) 4-Bromofluorobenzene	11.079	95	131563	50.625	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.240%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.958	59	5395	12.091	ug/l #	93
13) Acrolein	2.239	56	138	0.225	ug/l	99
14) Allyl chloride	2.672	41	1079	0.342	ug/l #	47
16) Acetone	2.379	43	172006	164.174	ug/l	95
18) Methyl Acetate	2.702	43	3629	0.842	ug/l	100
20) Methylene Chloride	2.788	84	10965	4.861	ug/l	93
25) 2-Butanone	4.562	43	97875	65.018	ug/l	97
29) Tetrahydrofuran	5.013	42	2896	3.022	ug/l #	88
31) Cyclohexane	5.543	56	3787	1.206	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13956	4.740	ug/l #	50
37) Ethyl Acetate	4.714	43	40260	13.415	ug/l	99
38) Carbon Tetrachloride	5.543	117	17510	6.511	ug/l #	14
43) Isopropyl Acetate	6.336	43	168902	35.279	ug/l	97
48) Methyl methacrylate	7.799	41	148411	62.172	ug/l #	49
49) 1,4-Dioxane	7.671	88	48	0.907	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	424608	137.660	ug/l #	87
53) t-1,3-Dichloropropene	8.951	75	1050	0.365	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	58498	17.964	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	7104	1.913	ug/l #	42
59) 2-Hexanone	9.482	43	104013	46.178	ug/l #	52
74) N-amyl acetate	10.817	43	1228	0.329	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	66508	24.922	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	66508	81.238	ug/l #	5

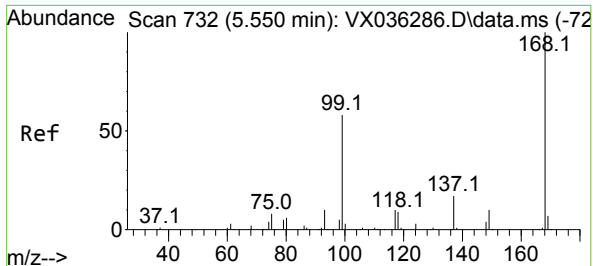
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
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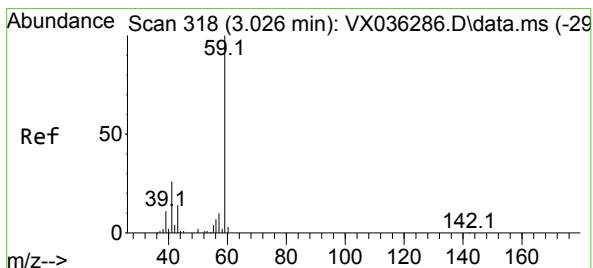
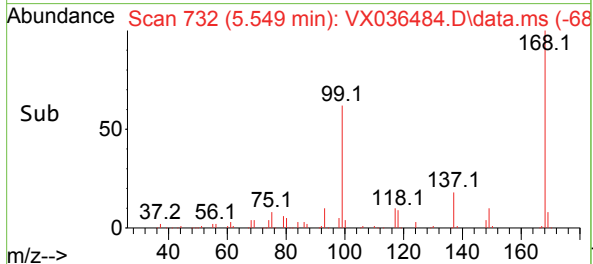
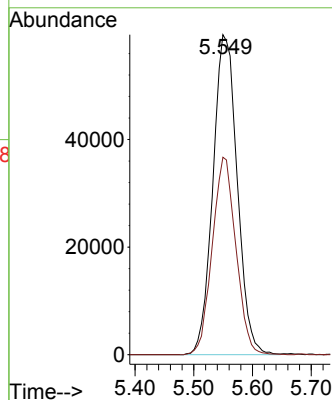
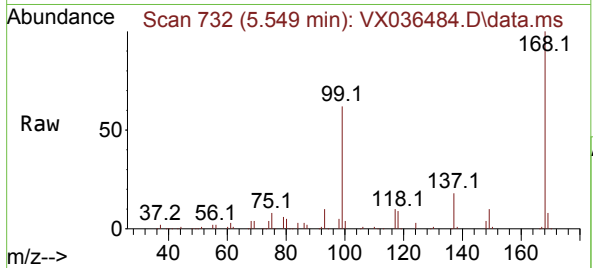




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

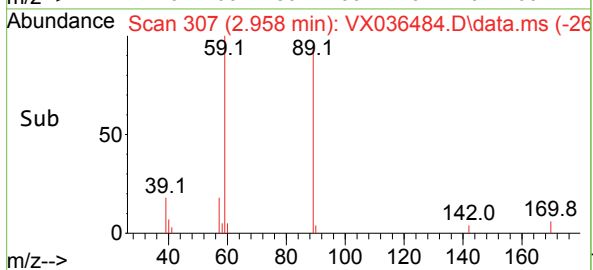
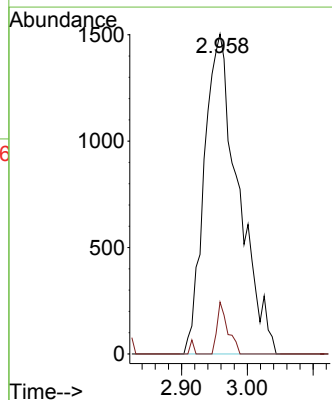
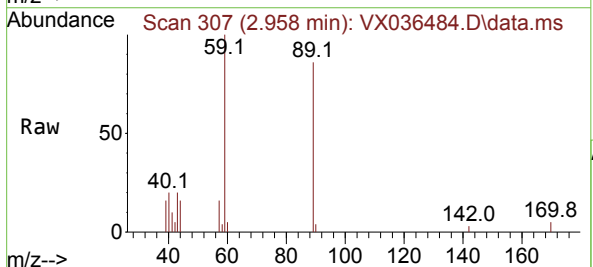
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#06

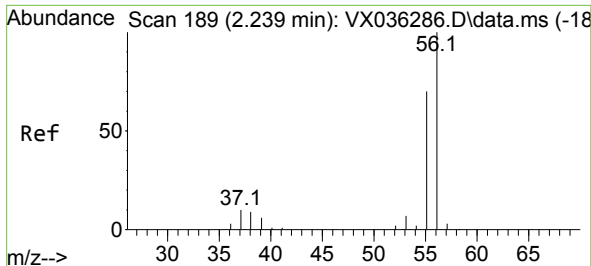
Tgt Ion:168 Resp: 171001
Ion Ratio Lower Upper
168 100
99 61.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 12.091 ug/l
RT: 2.958 min Scan# 307
Delta R.T. -0.055 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

Tgt Ion: 59 Resp: 5395
Ion Ratio Lower Upper
59 100
57 5.1 6.0 9.0#





#13

Acrolein

Concen: 0.225 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036484.D

Acq: 10 Jul 2023 15:44

Instrument :

MSVOA_X

ClientSampleId :

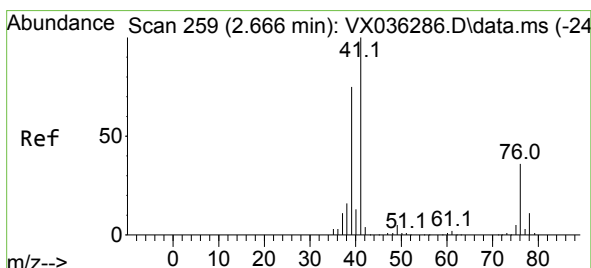
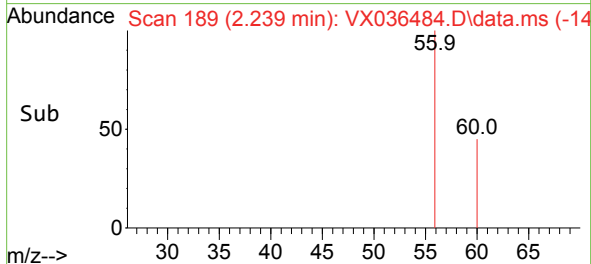
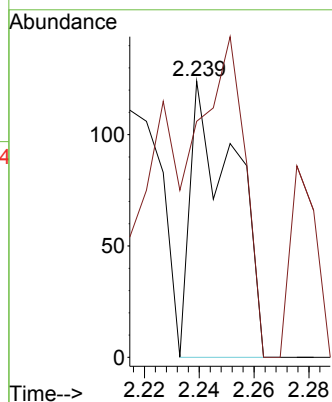
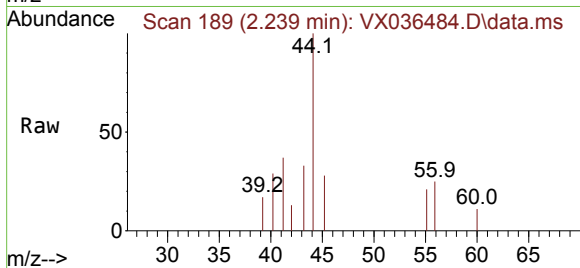
PB154051ZHE#06

Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

56 100

55 70.3 57.1 85.7



#14

Allyl chloride

Concen: 0.342 ug/l

RT: 2.672 min Scan# 260

Delta R.T. 0.006 min

Lab File: VX036484.D

Acq: 10 Jul 2023 15:44

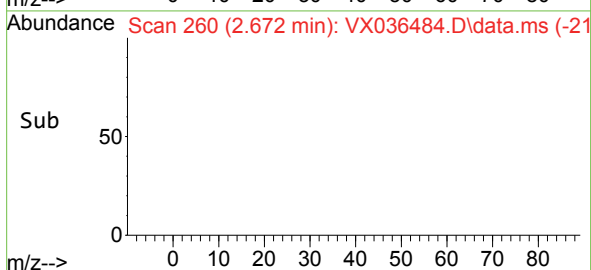
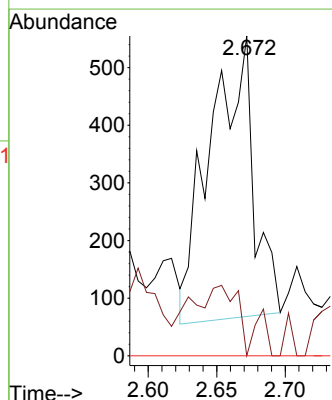
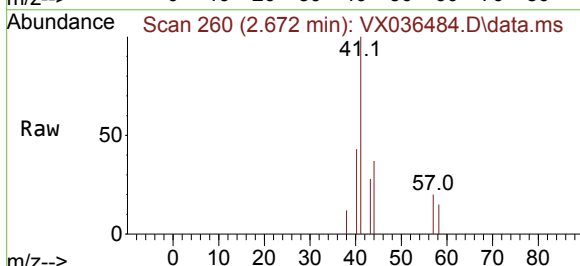
Tgt Ion: 41 Resp: 1079

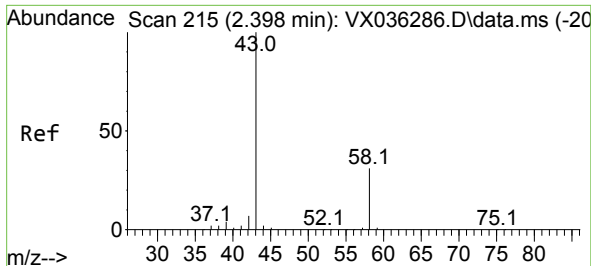
Ion Ratio Lower Upper

41 100

39 27.0 55.8 83.6#

76 0.0 24.3 36.5#

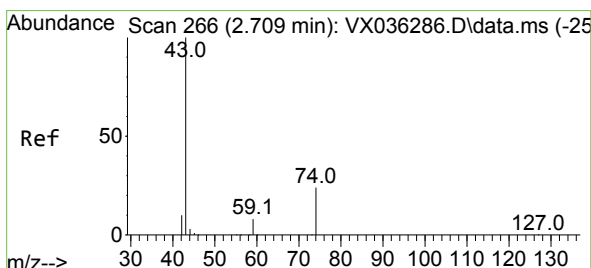
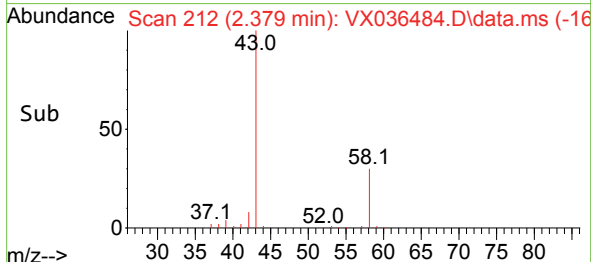
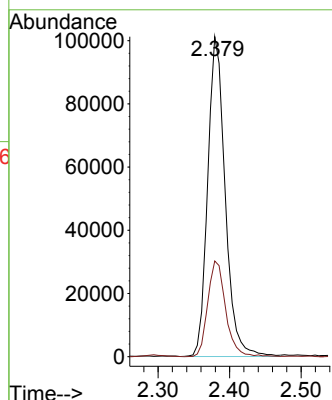
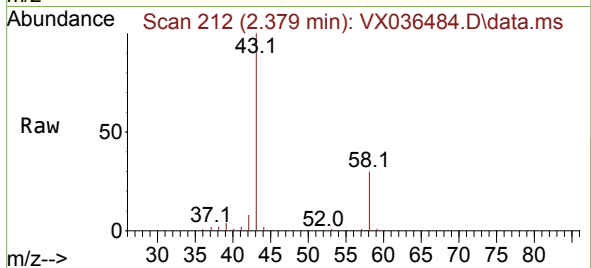




#16
Acetone
Concen: 164.174 ug/l
RT: 2.379 min Scan# 215
Delta R.T. -0.025 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

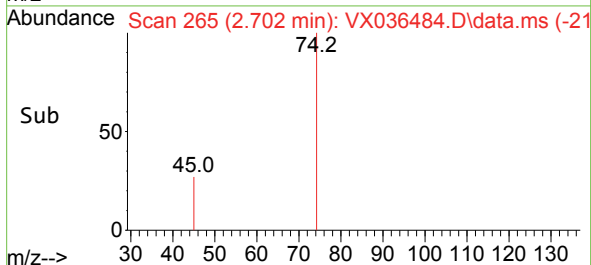
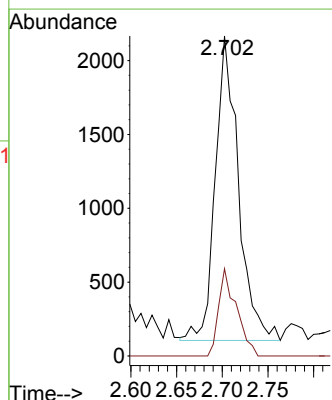
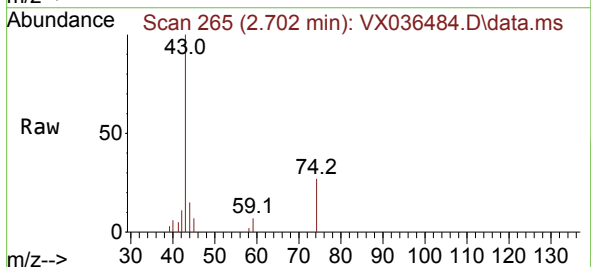
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#06

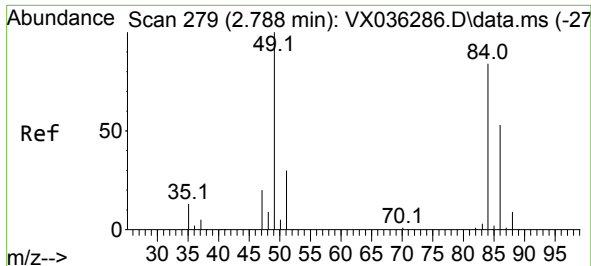
Tgt Ion: 43 Resp: 172006
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.842 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.007 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

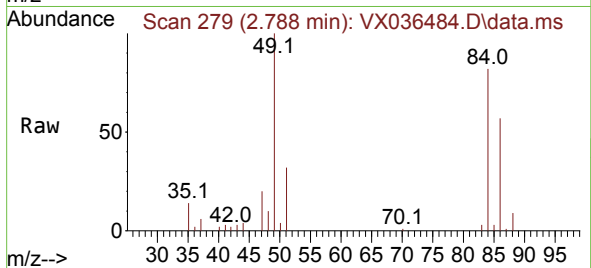
Tgt Ion: 43 Resp: 3629
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8



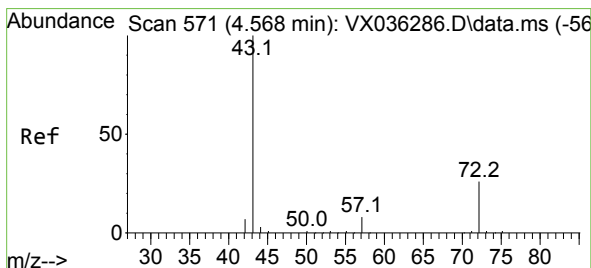
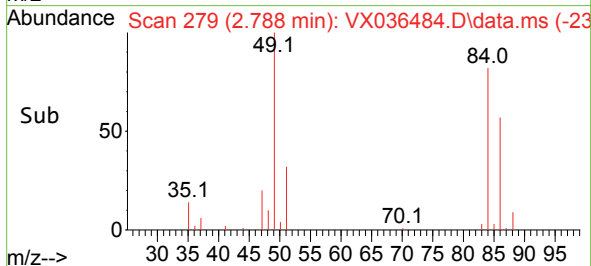
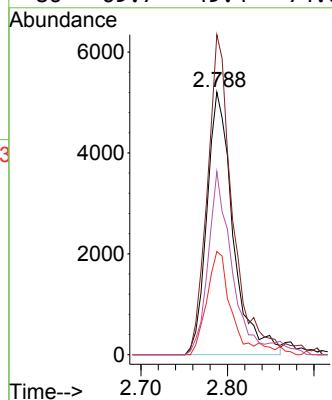


#20
Methylene Chloride
Concen: 4.861 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#06

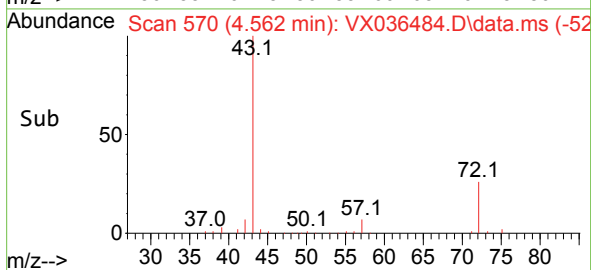
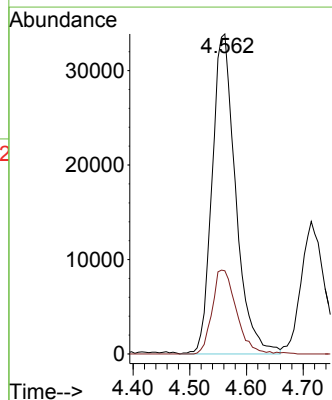
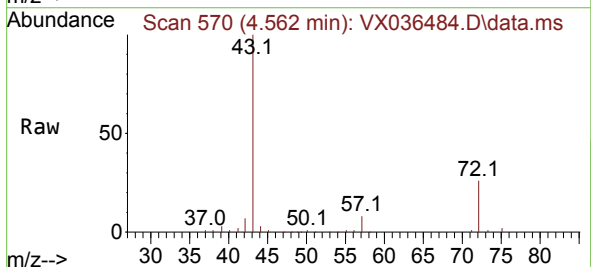


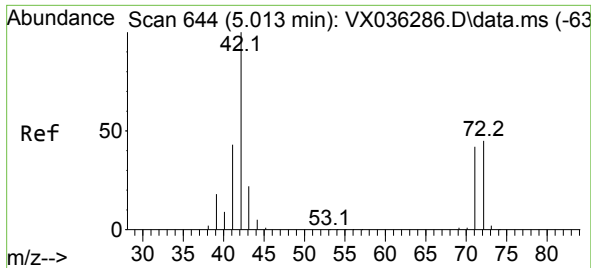
Tgt Ion: 84	Resp: 10965		
Ion	Ratio	Lower	Upper
84	100		
49	121.9	103.6	155.4
51	39.3	33.8	50.6
86	69.7	49.4	74.0



#25
2-Butanone
Concen: 65.018 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

Tgt Ion: 43	Resp: 97875
Ion Ratio	Lower Upper
43 100	
72 26.0	19.4 29.2





#29

Tetrahydrofuran

Concen: 3.022 ug/l

RT: 5.013 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX036484.D

Acq: 10 Jul 2023 15:44

Instrument :

MSVOA_X

ClientSampleId :

PB154051ZHE#06

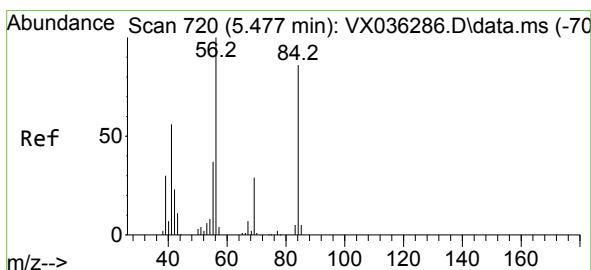
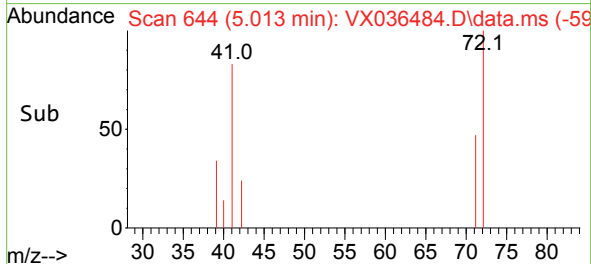
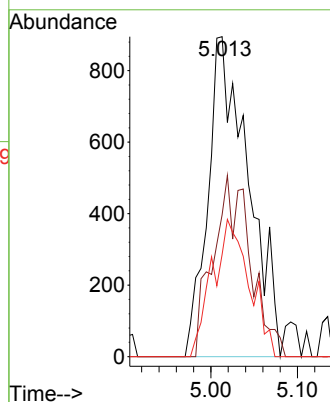
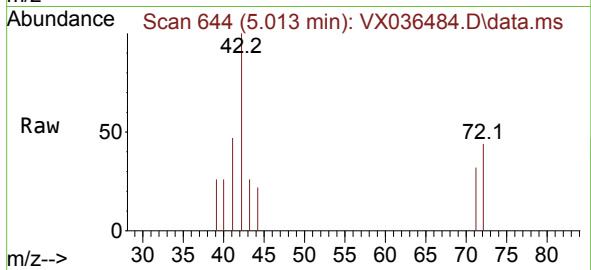
Tgt Ion: 42 Resp: 2896

Ion Ratio Lower Upper

42 100

72 28.2 34.2 51.4#

71 39.4 32.2 48.2



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX036484.D

Acq: 10 Jul 2023 15:44

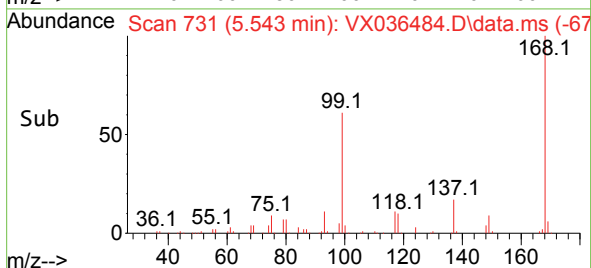
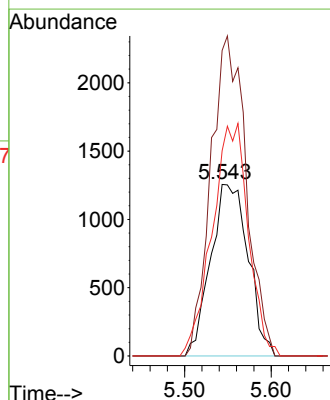
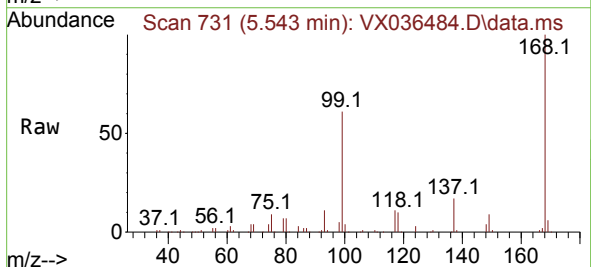
Tgt Ion: 56 Resp: 3787

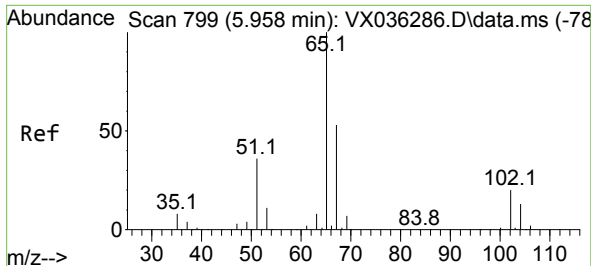
Ion Ratio Lower Upper

56 100

69 178.0 23.4 35.2#

84 119.6 65.9 98.9#

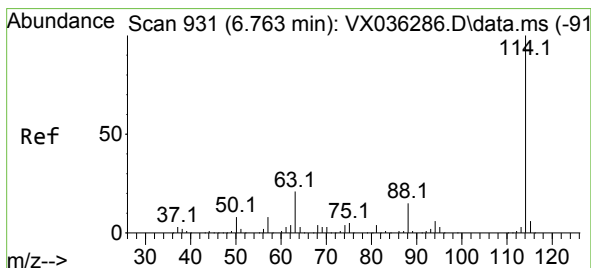
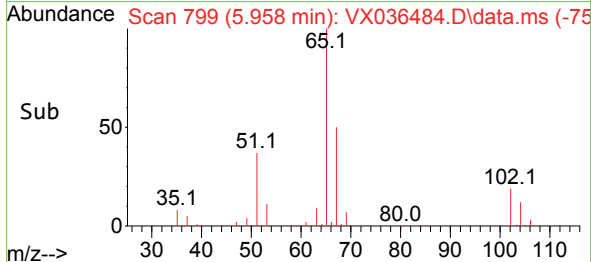
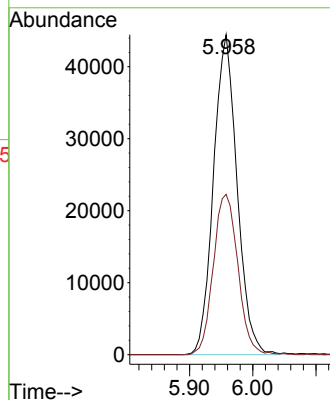
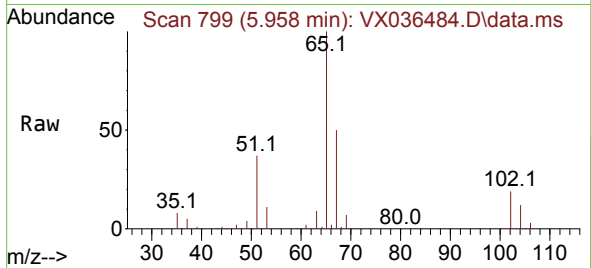




#33
1,2-Dichloroethane-d4
Concen: 46.962 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

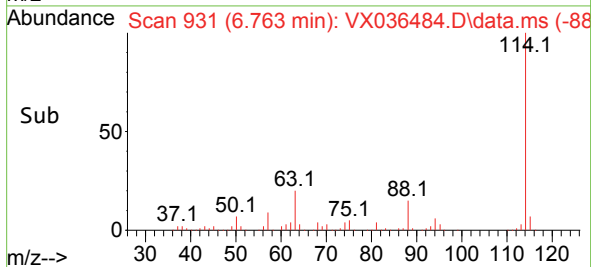
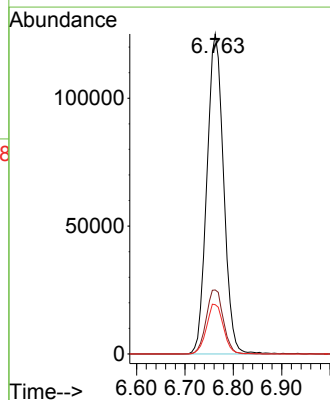
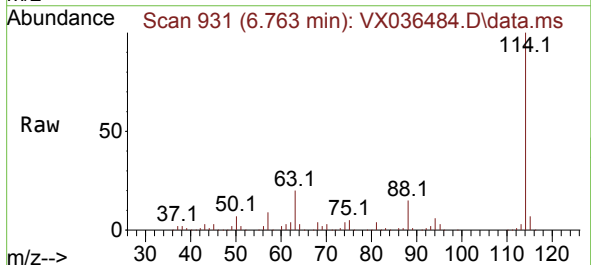
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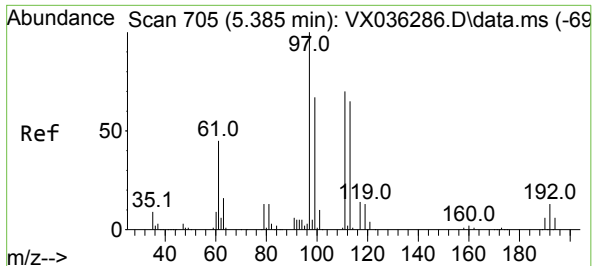
Tgt Ion: 65 Resp: 115113
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

Tgt Ion:114 Resp: 299583
Ion Ratio Lower Upper
114 100
63 20.0 0.0 45.0
88 15.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.143 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX036484.D

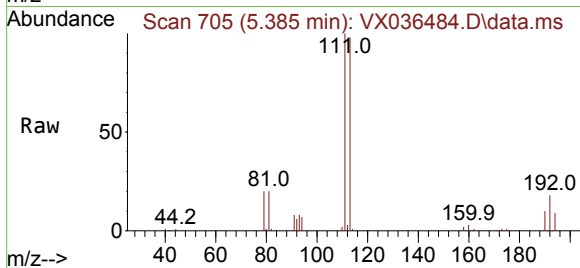
Acq: 10 Jul 2023 15:44

Instrument :

MSVOA_X

ClientSampleId :

PB154051ZHE#06



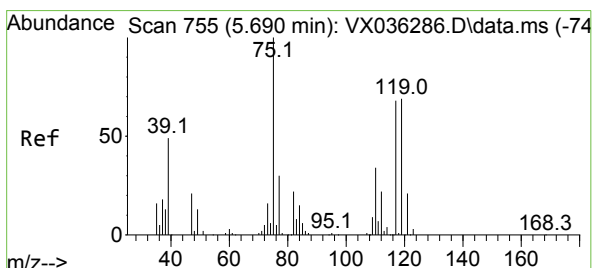
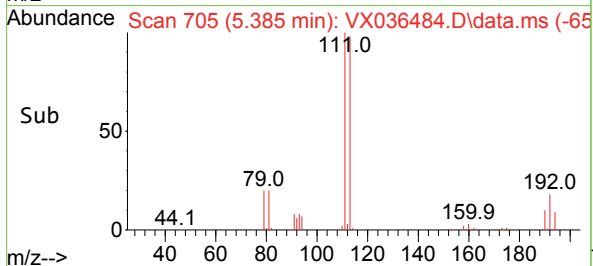
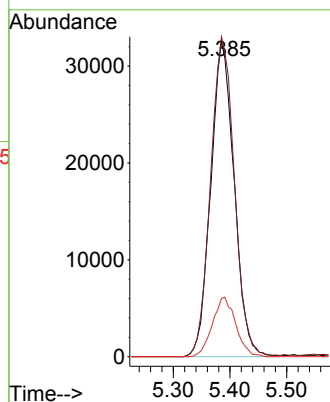
Tgt Ion:113 Resp: 93124

Ion Ratio Lower Upper

113 100

111 103.3 82.9 124.3

192 18.9 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.740 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX036484.D

Acq: 10 Jul 2023 15:44

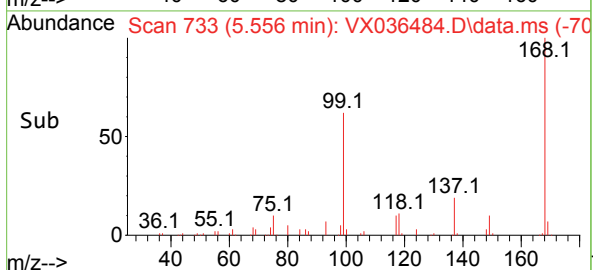
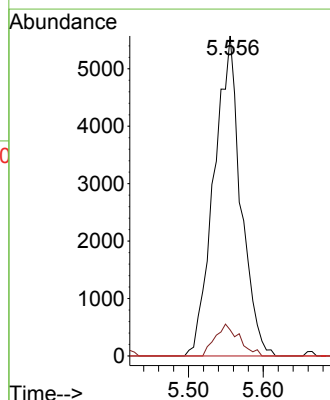
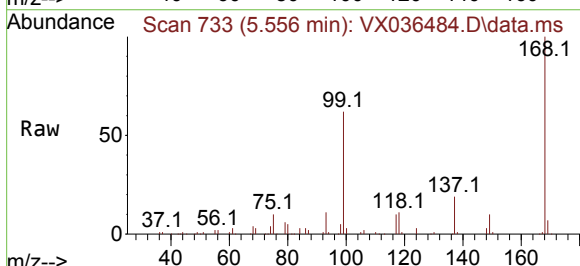
Tgt Ion: 75 Resp: 13956

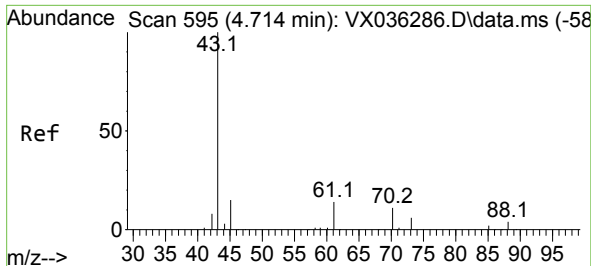
Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 13.415 ug/l

RT: 4.714 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX036484.D

Acq: 10 Jul 2023 15:44

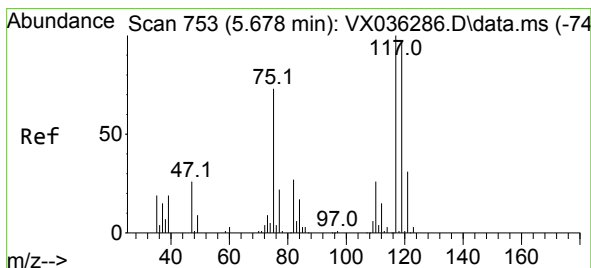
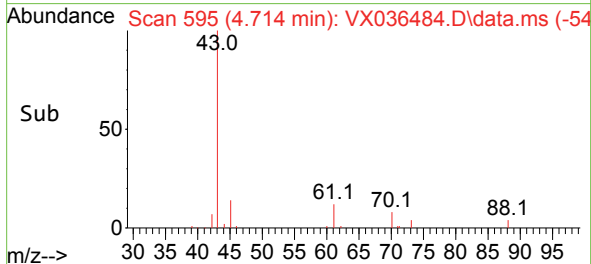
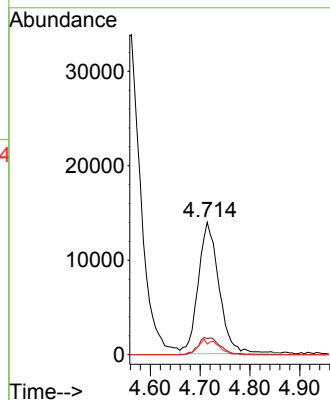
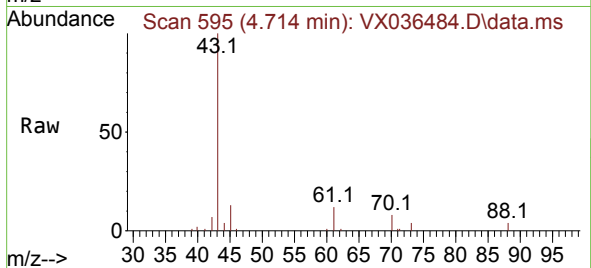
Instrument :

MSVOA_X

ClientSampleId :

PB154051ZHE#06

Tgt Ion: 43	Resp: 40260
Ion Ratio	Lower Upper
43	100
61	13.7 10.6 16.0
70	10.8 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.511 ug/l

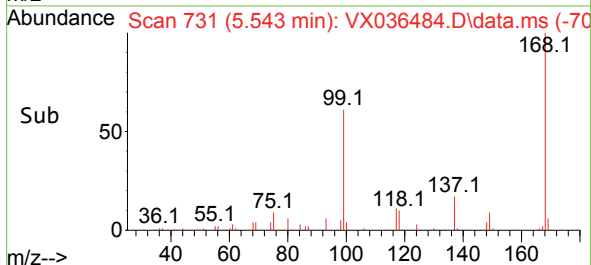
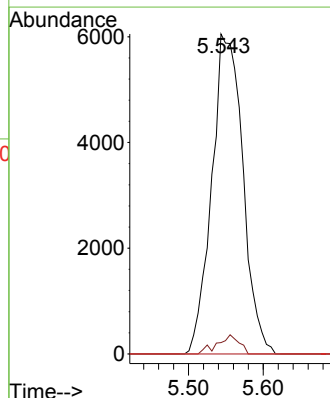
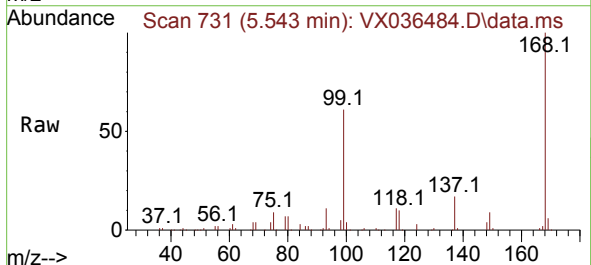
RT: 5.543 min Scan# 731

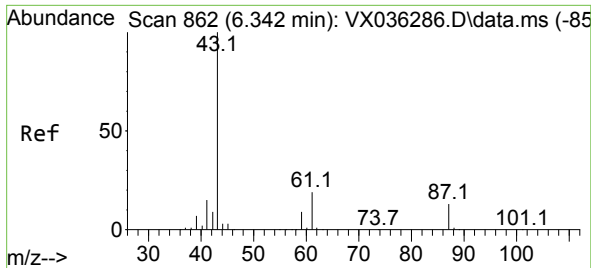
Delta R.T. -0.135 min

Lab File: VX036484.D

Acq: 10 Jul 2023 15:44

Tgt Ion: 117	Resp: 17510
Ion Ratio	Lower Upper
117	100
119	3.5 78.2 117.2#
121	0.0 24.4 36.6#

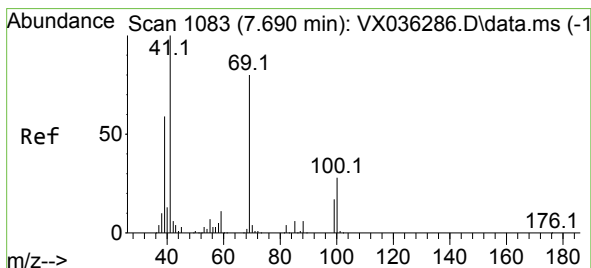
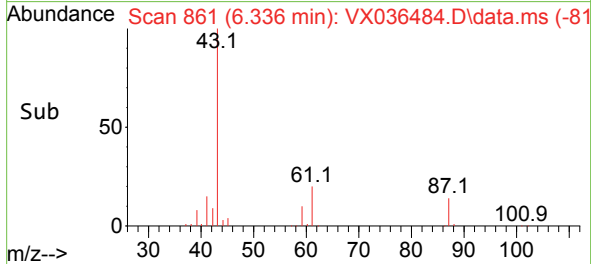
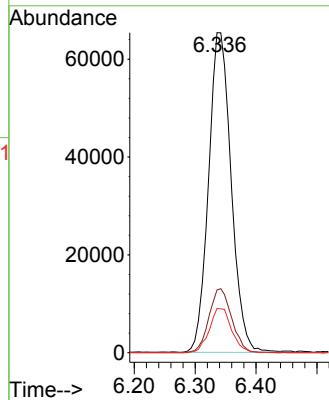
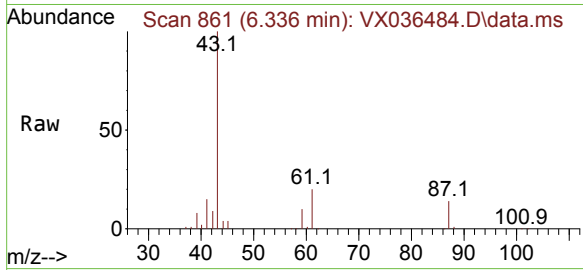




#43
Isopropyl Acetate
Concen: 35.279 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

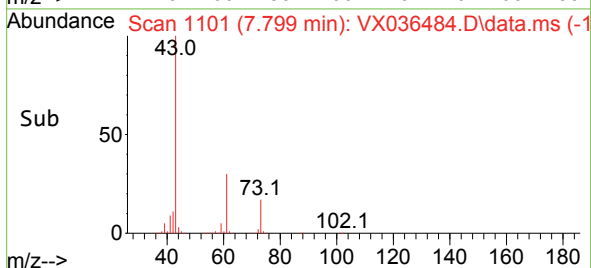
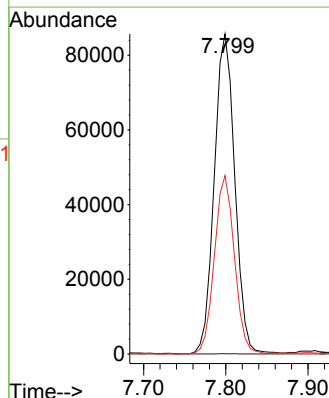
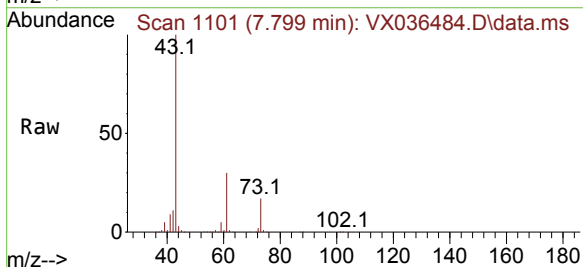
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#06

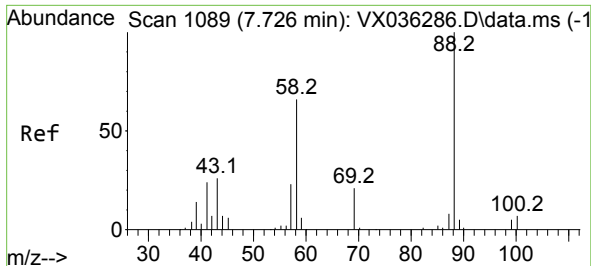
Tgt Ion: 43 Resp: 168902
Ion Ratio Lower Upper
43 100
61 20.1 15.2 22.8
87 13.6 9.8 14.6



#48
Methyl methacrylate
Concen: 62.172 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

Tgt Ion: 41 Resp: 148411
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.4 47.7 71.5

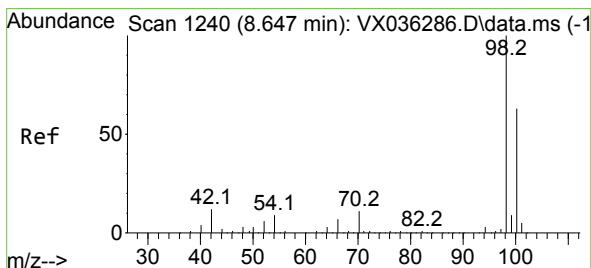
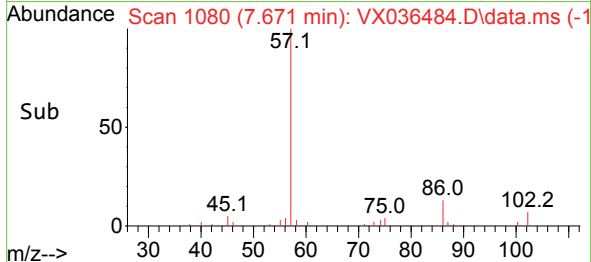
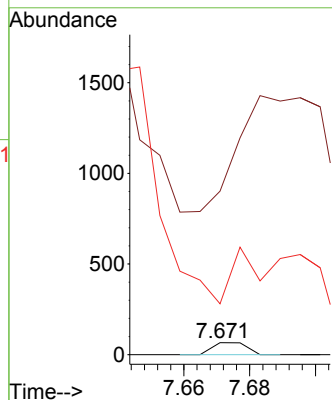
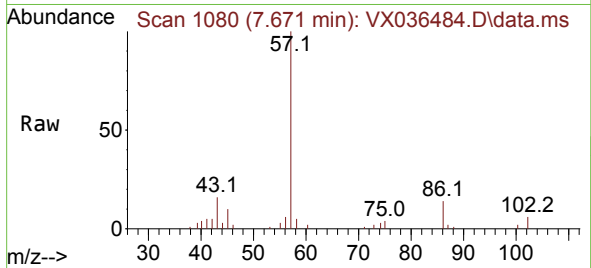




#49
1,4-Dioxane
Concen: 0.907 ug/l
RT: 7.671 min Scan# 1089
Delta R.T. -0.061 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

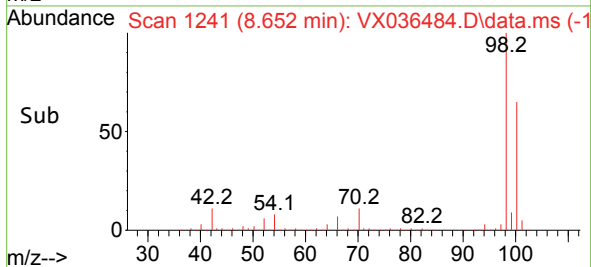
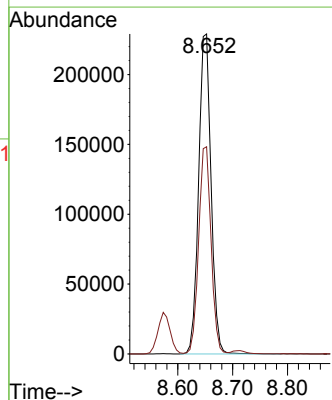
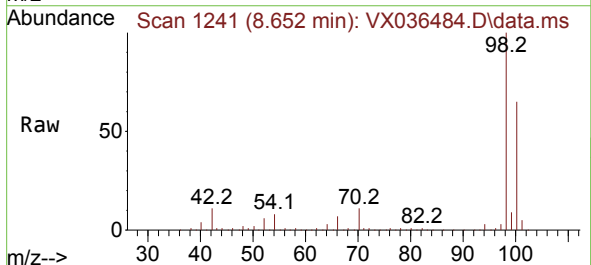
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#06

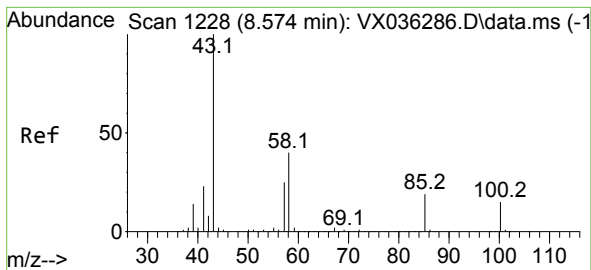
Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 2081.3 60.1 90.1#



#50
Toluene-d8
Concen: 49.023 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

Tgt Ion: 98 Resp: 361692
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7

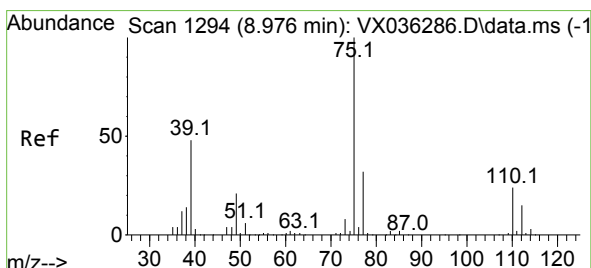
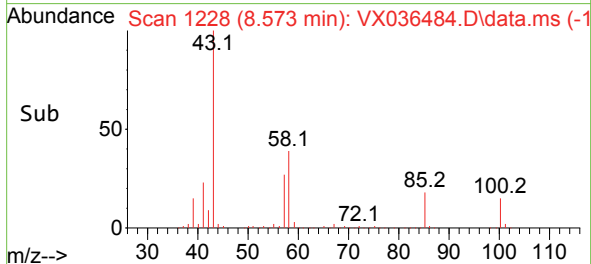
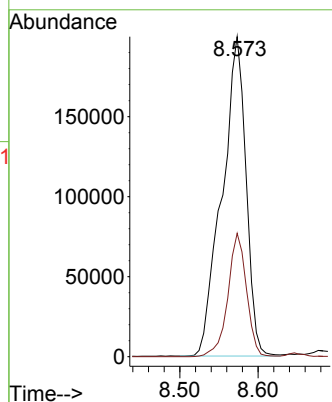
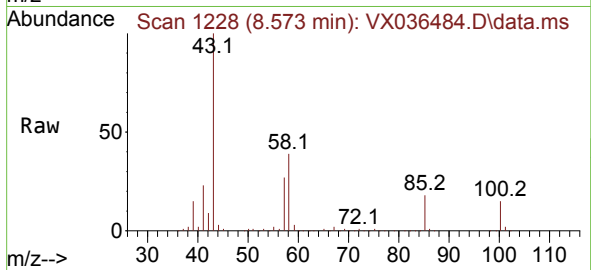




#51
4-Methyl-2-Pentanone
Concen: 137.660 ug/l
RT: 8.573 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

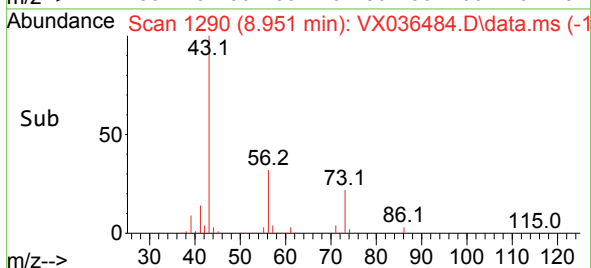
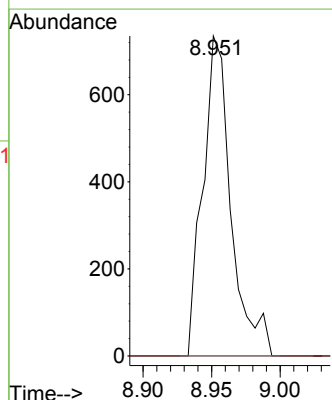
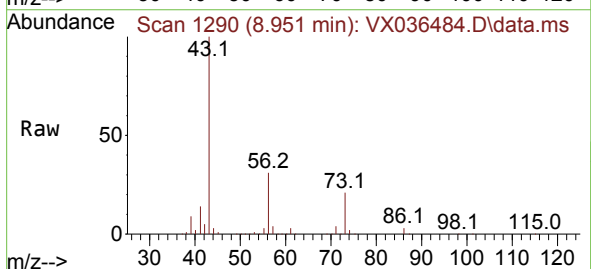
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#06

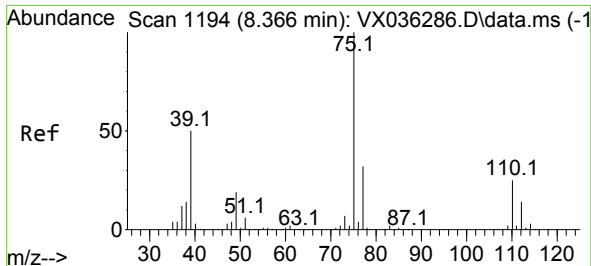
Tgt Ion: 43 Resp: 424608
Ion Ratio Lower Upper
43 100
58 30.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.365 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

Tgt Ion: 75 Resp: 1050
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

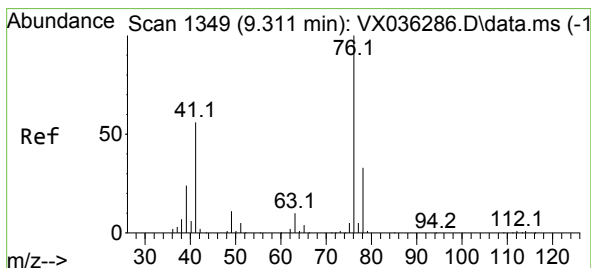
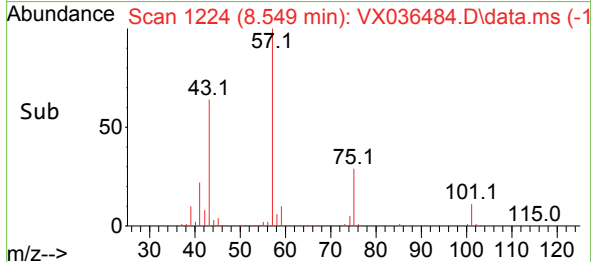
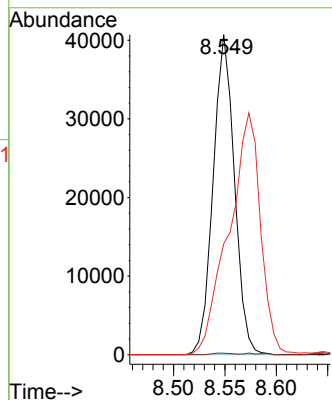
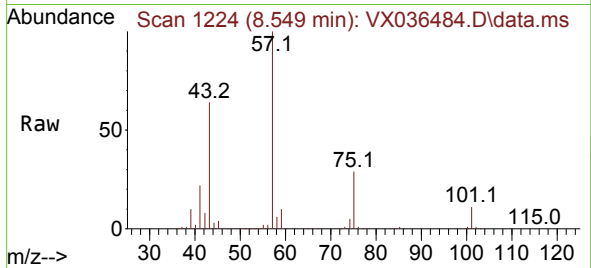




#54
 cis-1,3-Dichloropropene
 Concen: 17.964 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036484.D
 Acq: 10 Jul 2023 15:44

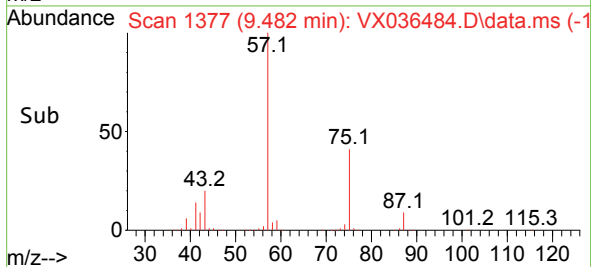
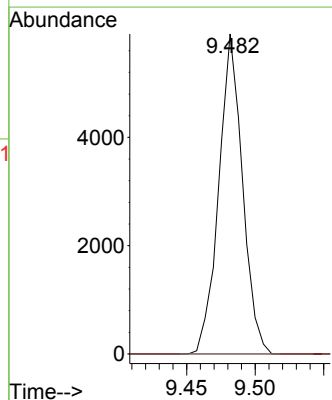
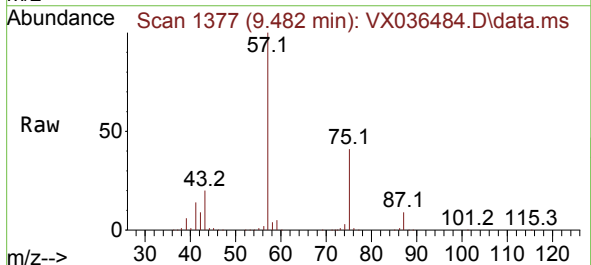
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#06

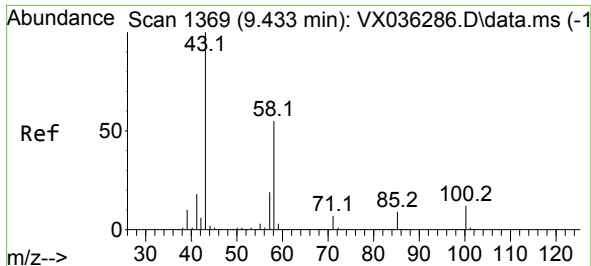
Tgt Ion: 75 Resp: 58498
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 34.7 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.913 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036484.D
 Acq: 10 Jul 2023 15:44

Tgt Ion: 76 Resp: 7104
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

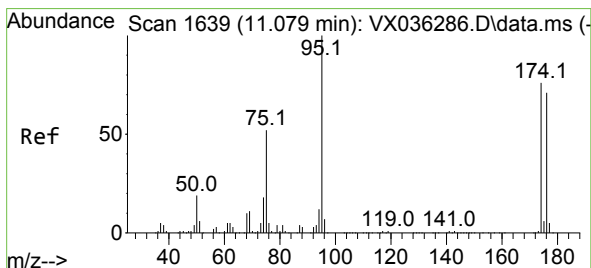
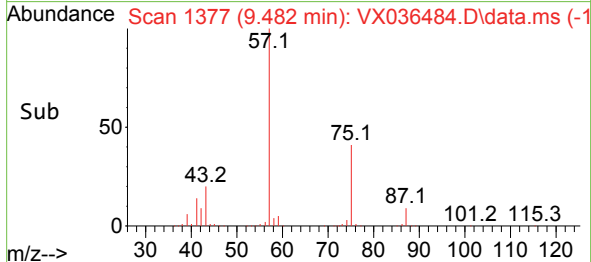
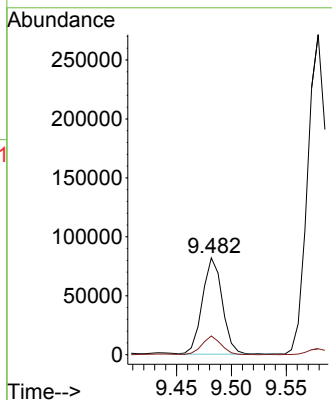
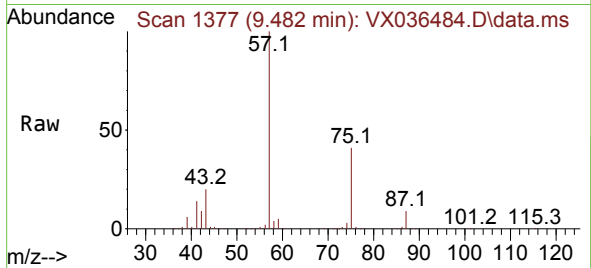




#59
2-Hexanone
Concen: 46.178 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

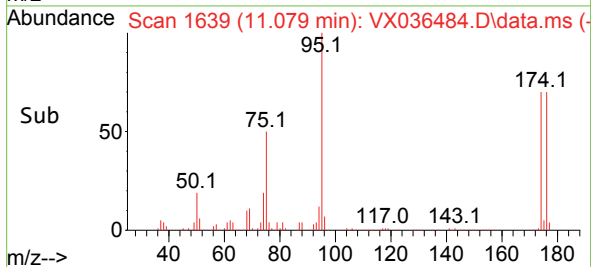
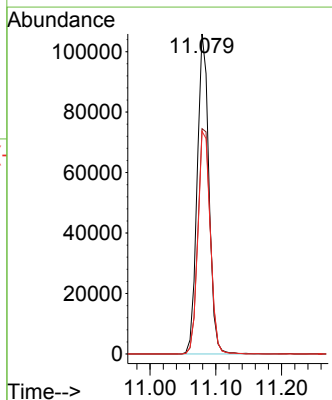
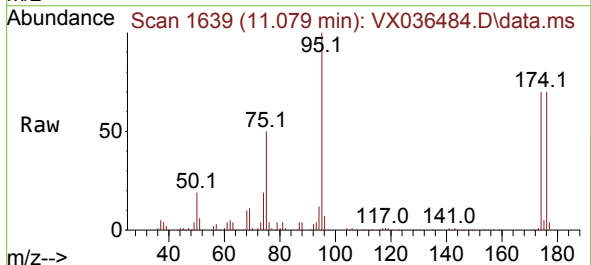
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#06

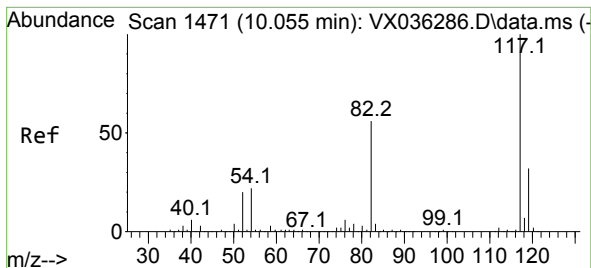
Tgt Ion: 43 Resp: 104013
Ion Ratio Lower Upper
43 100
58 18.6 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.625 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036484.D
Acq: 10 Jul 2023 15:44

Tgt Ion: 95 Resp: 131563
Ion Ratio Lower Upper
95 100
174 74.6 0.0 135.6
176 73.2 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: VX036484.D

Acq: 10 Jul 2023 15:44

Instrument :

MSVOA_X

ClientSampleId :

PB154051ZHE#06

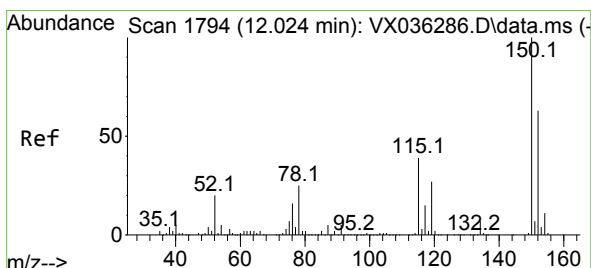
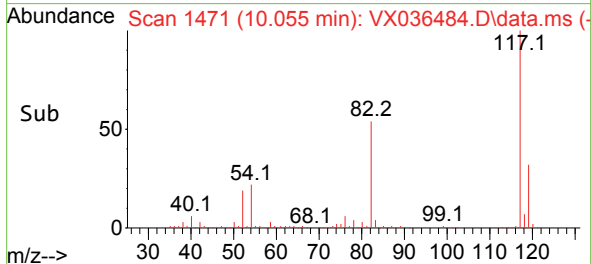
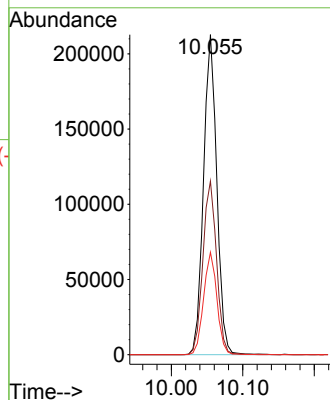
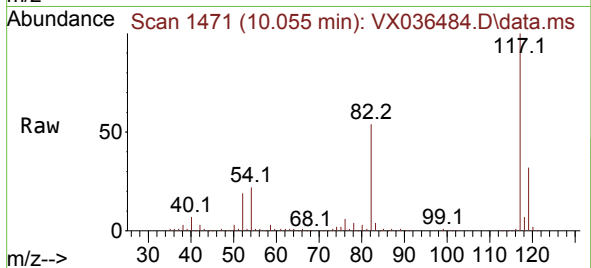
Tgt Ion:117 Resp: 274569

Ion Ratio Lower Upper

117 100

82 54.3 46.2 69.4

119 32.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX036484.D

Acq: 10 Jul 2023 15:44

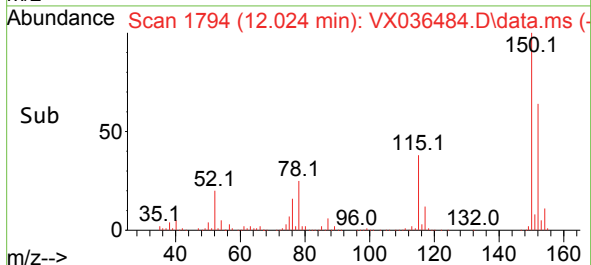
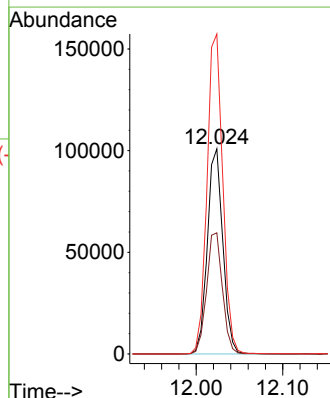
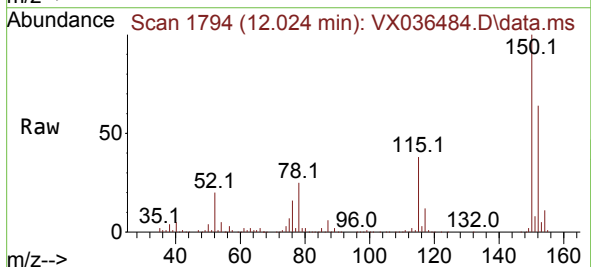
Tgt Ion:152 Resp: 125112

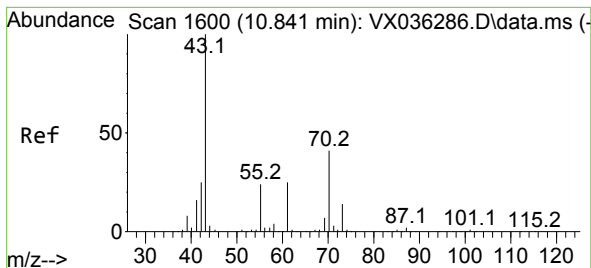
Ion Ratio Lower Upper

152 100

115 60.5 43.3 129.9

150 158.5 0.0 345.0





#74

N-amy1 acetate

Concen: 0.329 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

Lab File: VX036484.D

Acq: 10 Jul 2023 15:44

Instrument :

MSVOA_X

ClientSampleId :

PB154051ZHE#06

Tgt Ion: 43 Resp: 1228

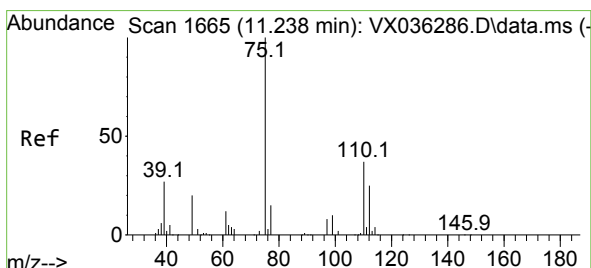
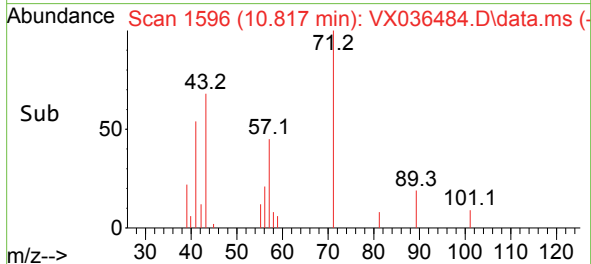
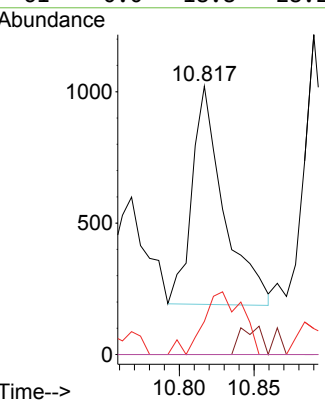
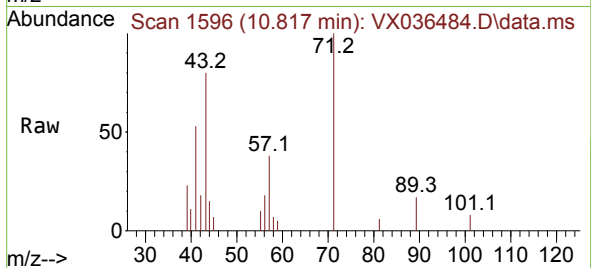
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 35.5 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.922 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036484.D

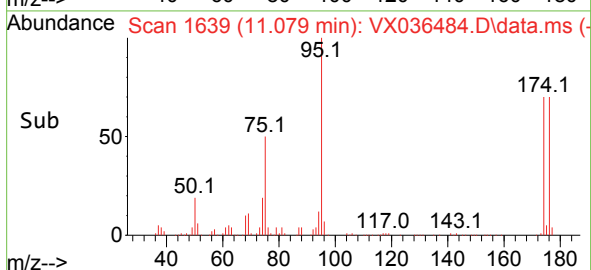
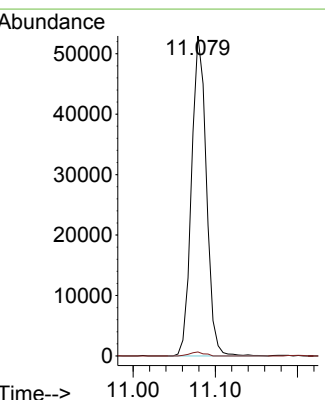
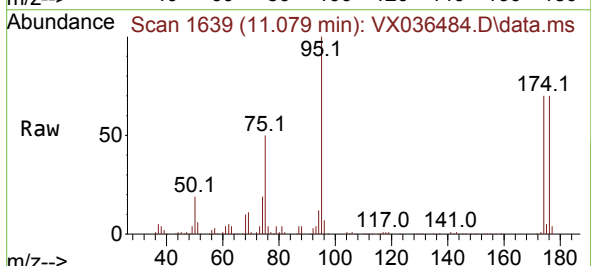
Acq: 10 Jul 2023 15:44

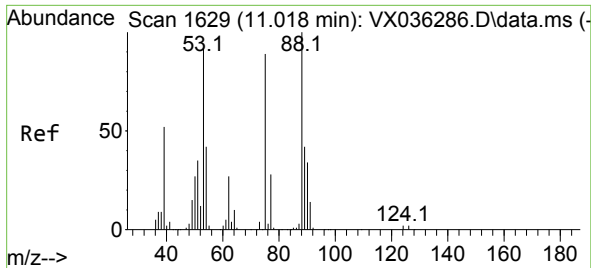
Tgt Ion: 75 Resp: 66508

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.238 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036484.D
 Acq: 10 Jul 2023 15:44

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#06

Tgt Ion: 75 Resp: 66508
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

