

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034585.D
 Acq On : 17 Mar 2023 15:33
 Operator : JC/MD
 Sample : PB151466ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#06

Quant Time: Mar 20 00:02:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

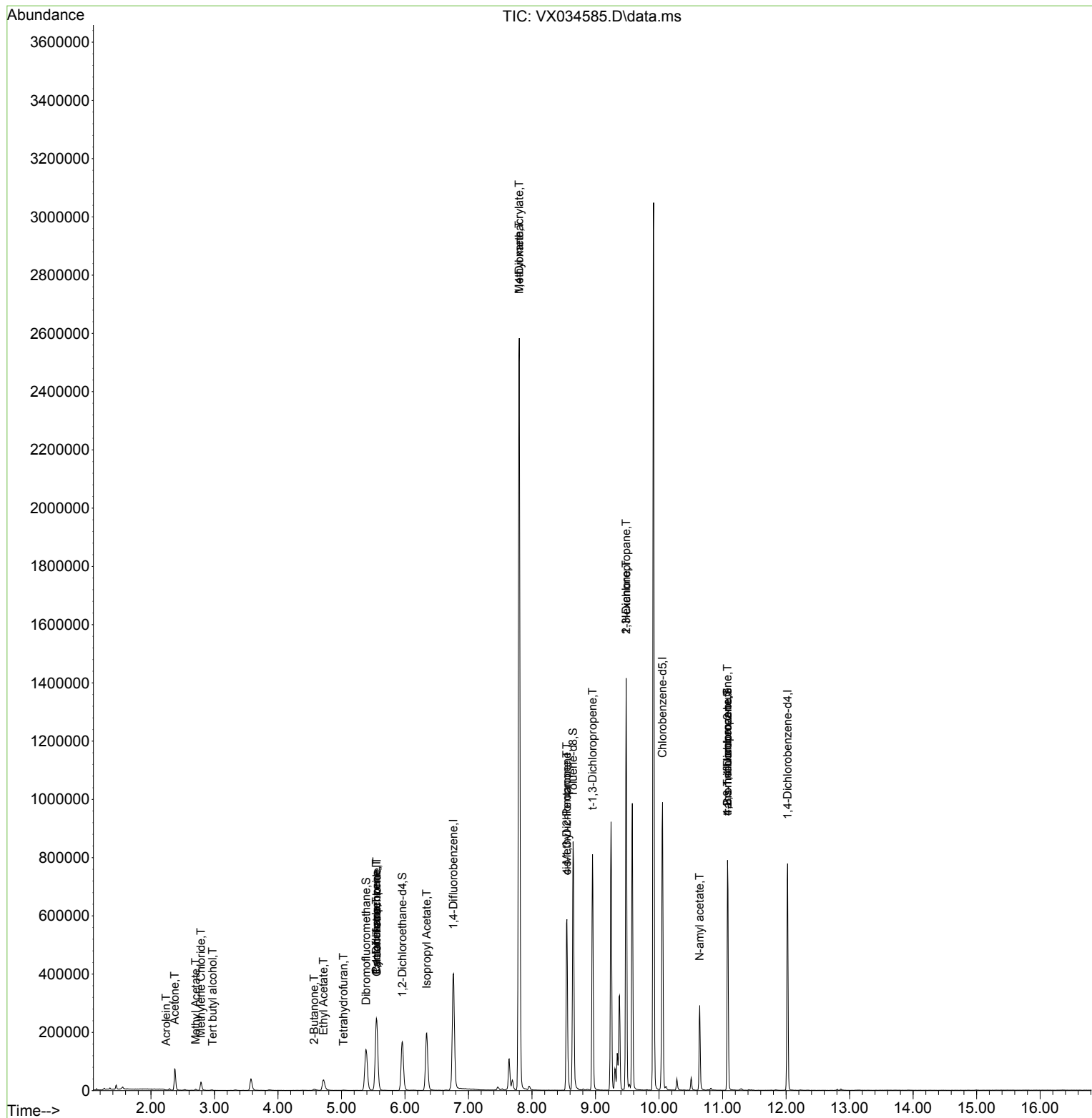
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	232344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	397934	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	406394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	158221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	162804	48.165	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.320%
35) Dibromofluoromethane	5.385	113	124360	47.333	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.660%
50) Toluene-d8	8.647	98	490091	49.968	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.940%
62) 4-Bromofluorobenzene	11.079	95	208839	52.714	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.420%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	224	Below Cal	#	42
11) Tert butyl alcohol	2.971	59	1746	2.481	ug/l #	84
13) Acrolein	2.239	56	249	0.447	ug/l #	78
16) Acetone	2.374	43	79494	49.927	ug/l	93
18) Methyl Acetate	2.703	43	5167	0.993	ug/l	92
20) Methylene Chloride	2.788	84	12424	4.020	ug/l	92
25) 2-Butanone	4.568	43	8828	3.875	ug/l	98
29) Tetrahydrofuran	5.032	42	1358	0.966	ug/l #	69
31) Cyclohexane	5.550	56	6108	1.288	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19368	4.799	ug/l #	50
37) Ethyl Acetate	4.715	43	66679	15.125	ug/l	99
38) Carbon Tetrachloride	5.556	117	23505	5.855	ug/l #	16
43) Isopropyl Acetate	6.342	43	275339	36.867	ug/l	100
48) Methyl methacrylate	7.799	41	231282	64.389	ug/l #	47
49) 1,4-Dioxane	7.799	88	453	6.004	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	217931	50.301	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	1615	0.353	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	92940	18.801	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	11728	2.275	ug/l #	44
59) 2-Hexanone	9.482	43	171946	51.341	ug/l #	50
74) N-amyl acetate	10.640	43	81480	13.911	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	114408	31.492	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	114408	85.195	ug/l #	8

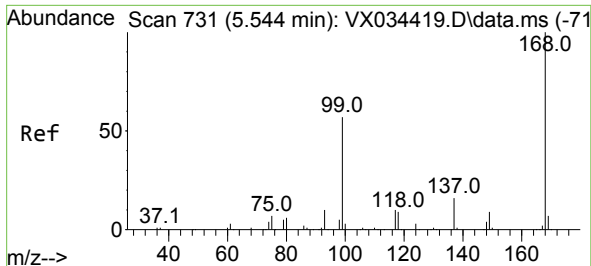
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Mar 20 00:02:44 2023
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Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

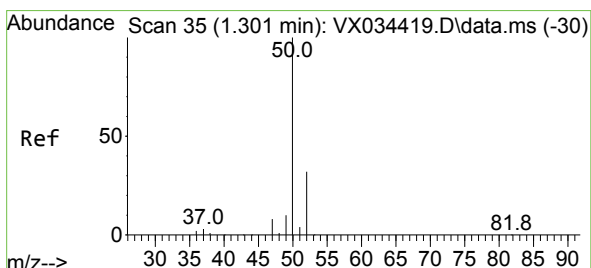
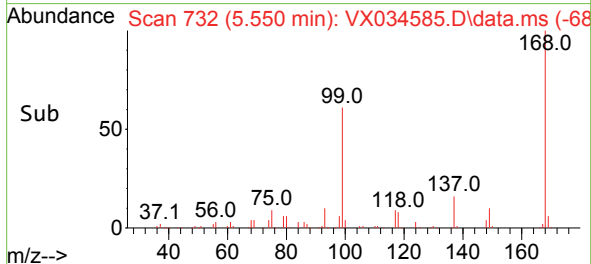
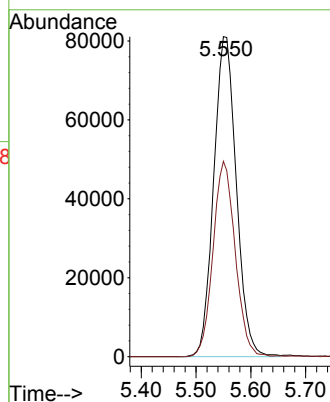
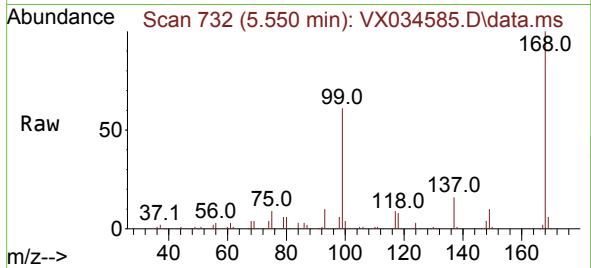




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

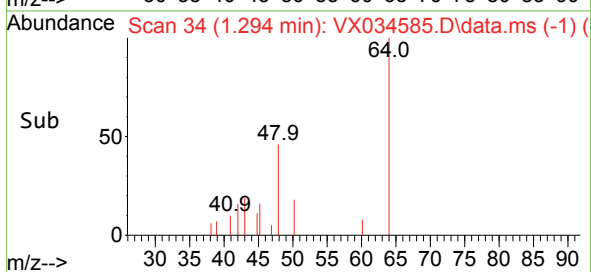
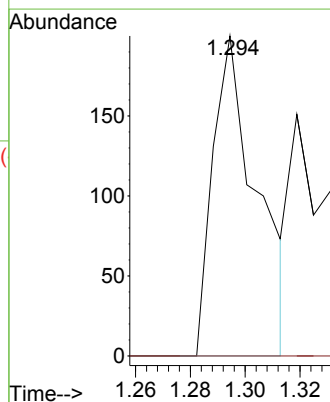
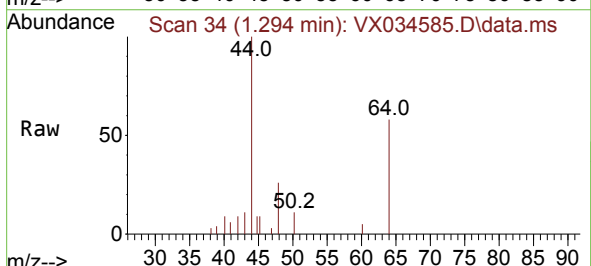
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#06

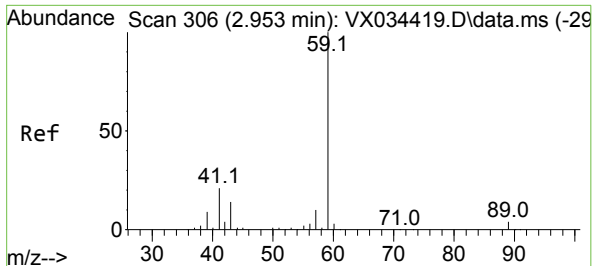
Tgt Ion:168 Resp: 232344
Ion Ratio Lower Upper
168 100
99 61.0 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

Tgt Ion: 50 Resp: 224
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

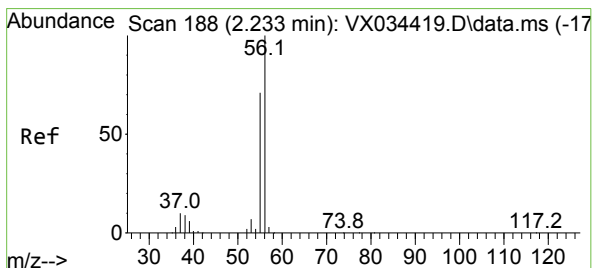
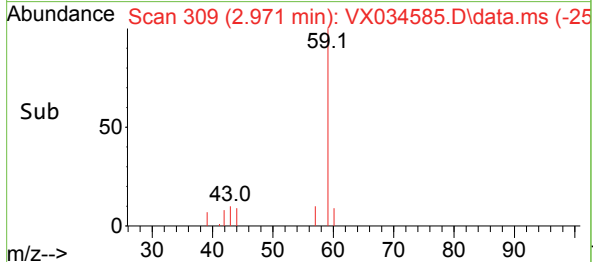
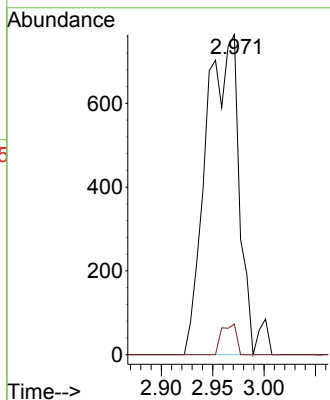
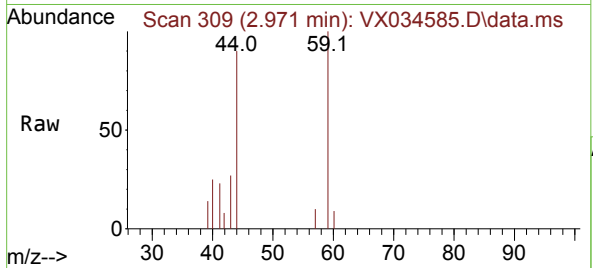




#11
Tert butyl alcohol
Concen: 2.481 ug/l
RT: 2.971 min Scan# 306
Delta R.T. 0.018 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

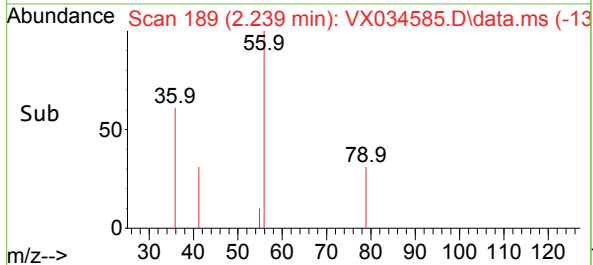
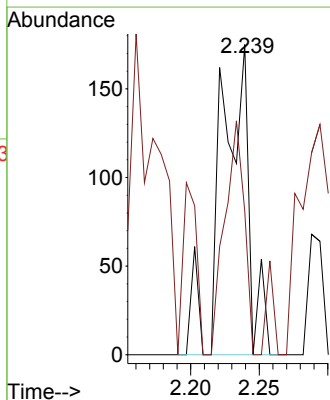
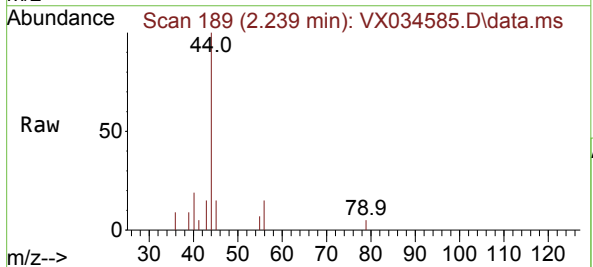
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#06

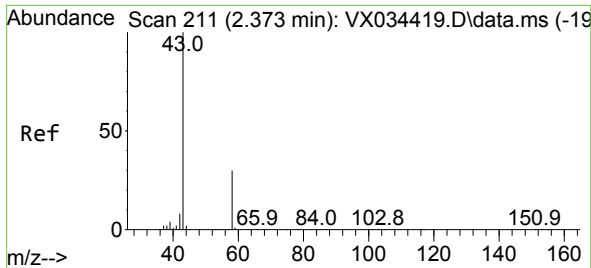
Tgt Ion: 59 Resp: 1746
Ion Ratio Lower Upper
59 100
57 4.2 8.1 12.1#



#13
Acrolein
Concen: 0.447 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

Tgt Ion: 56 Resp: 249
Ion Ratio Lower Upper
56 100
55 53.0 56.6 85.0#

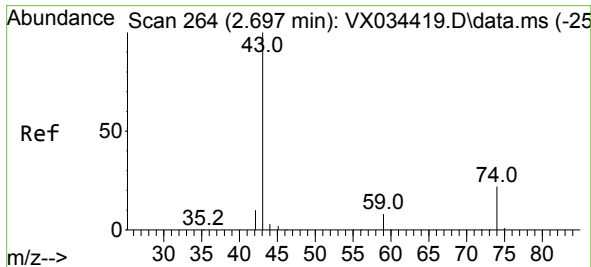
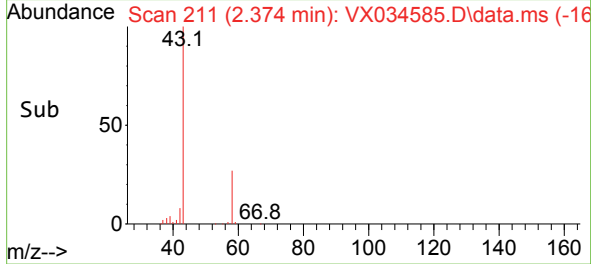
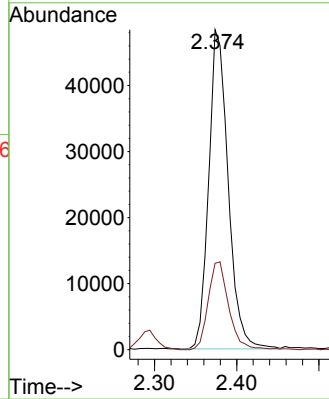
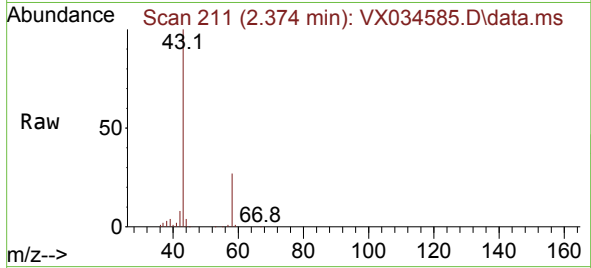




#16
Acetone
Concen: 49.927 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

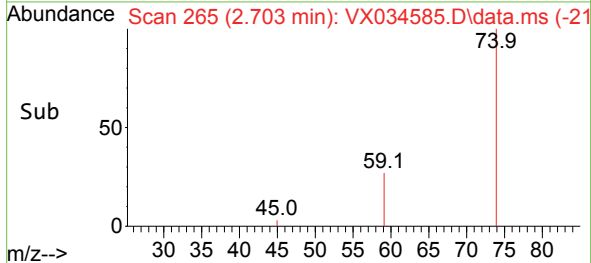
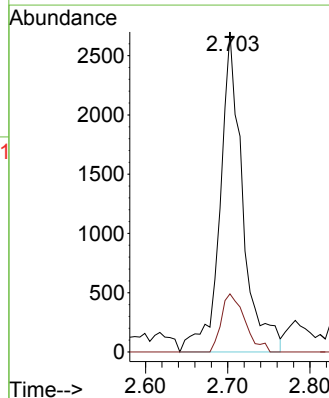
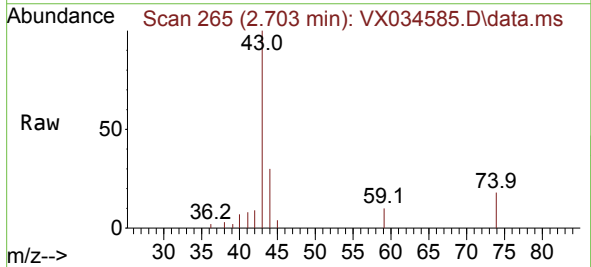
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#06

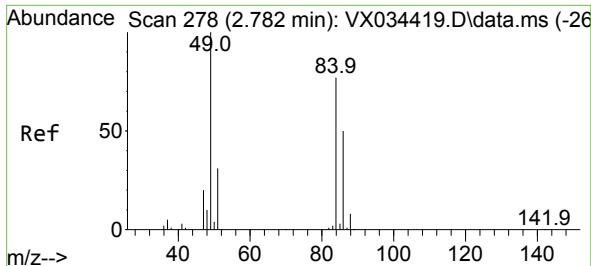
Tgt Ion: 43 Resp: 79494
Ion Ratio Lower Upper
43 100
58 27.1 24.7 37.1



#18
Methyl Acetate
Concen: 0.993 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

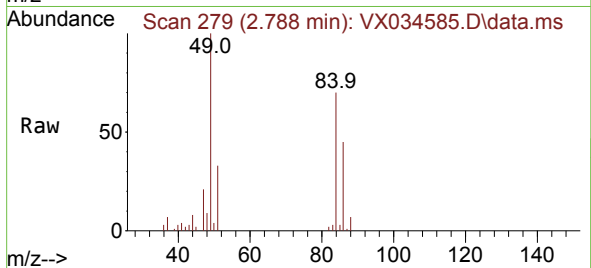
Tgt Ion: 43 Resp: 5167
Ion Ratio Lower Upper
43 100
74 18.9 18.3 27.5





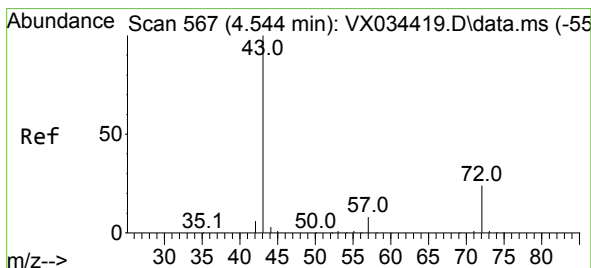
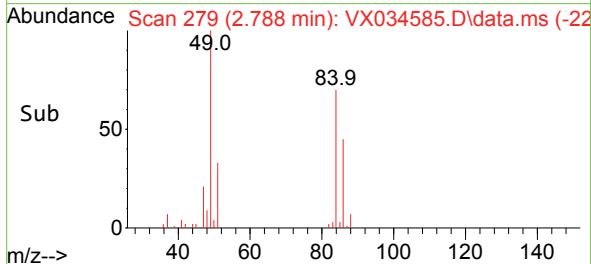
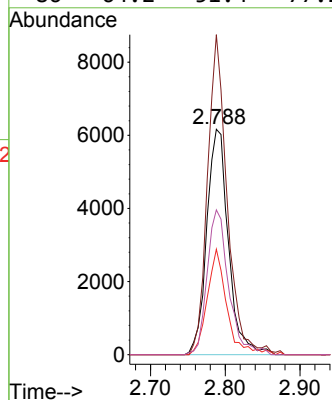
#20
Methylene Chloride
Concen: 4.020 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#06



Tgt Ion: 84 Resp: 12424

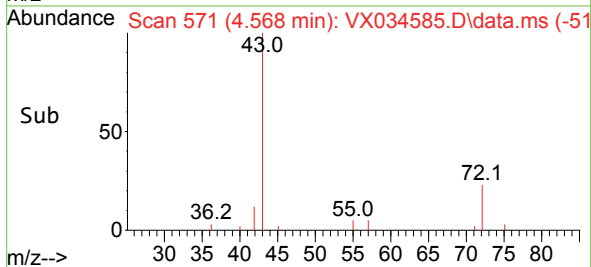
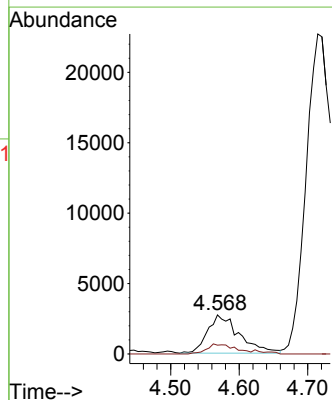
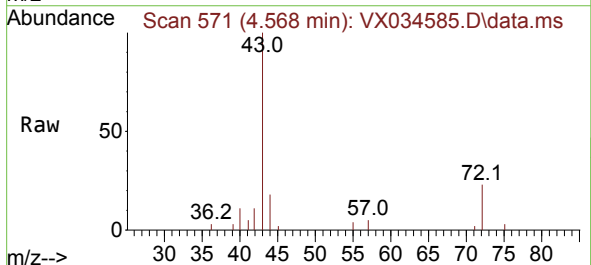
Ion	Ratio	Lower	Upper
84	100		
49	141.9	103.8	155.8
51	46.7	31.8	47.8
86	64.2	51.4	77.2

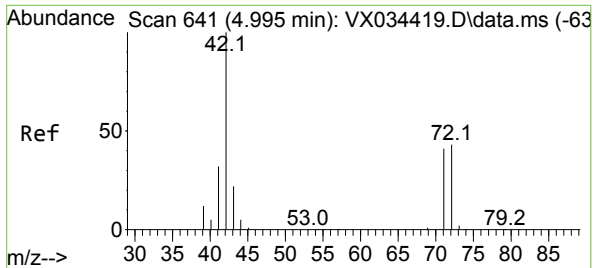


#25
2-Butanone
Concen: 3.875 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

Tgt Ion: 43 Resp: 8828

Ion	Ratio	Lower	Upper
43	100		
72	23.1	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.966 ug/l

RT: 5.032 min Scan# 641

Delta R.T. 0.037 min

Lab File: VX034585.D

Acq: 17 Mar 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#06

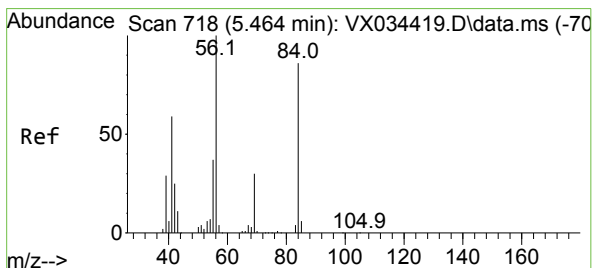
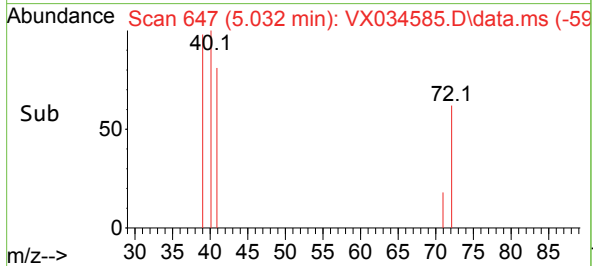
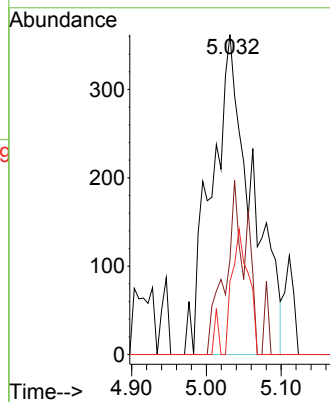
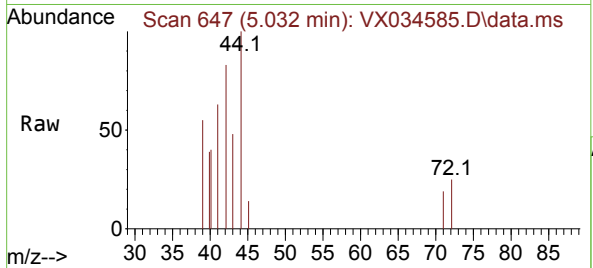
Tgt Ion: 42 Resp: 1358

Ion Ratio Lower Upper

42 100

72 28.2 34.5 51.7#

71 16.1 32.1 48.1#



#31

Cyclohexane

Concen: 1.288 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX034585.D

Acq: 17 Mar 2023 15:33

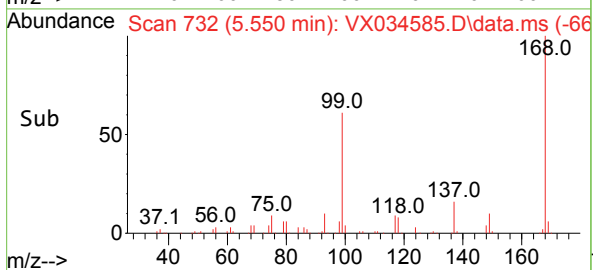
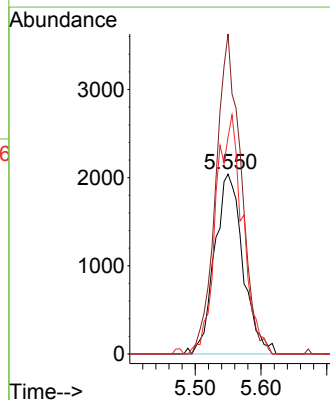
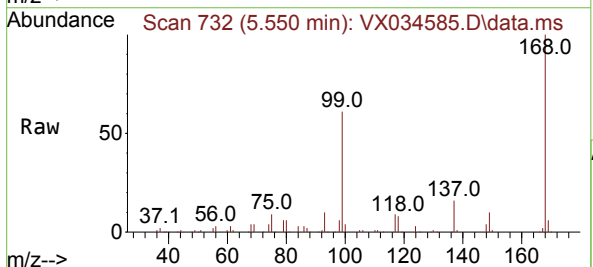
Tgt Ion: 56 Resp: 6108

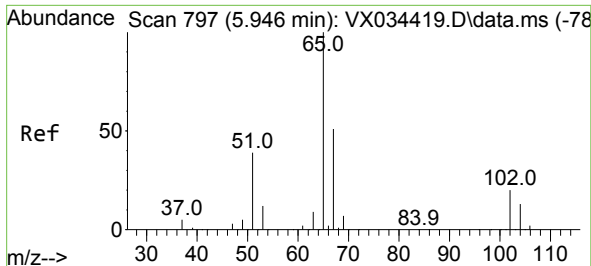
Ion Ratio Lower Upper

56 100

69 177.9 23.7 35.5#

84 120.5 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 48.165 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034585.D

Acq: 17 Mar 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

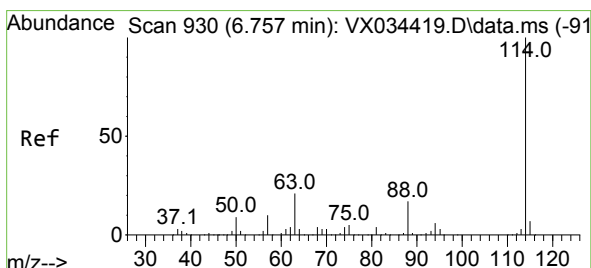
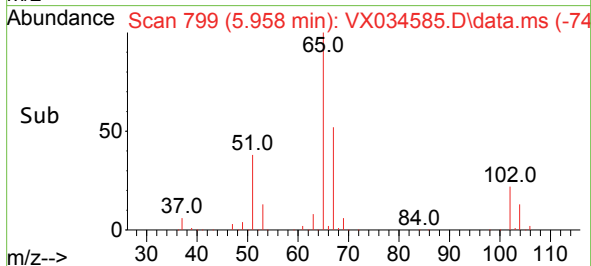
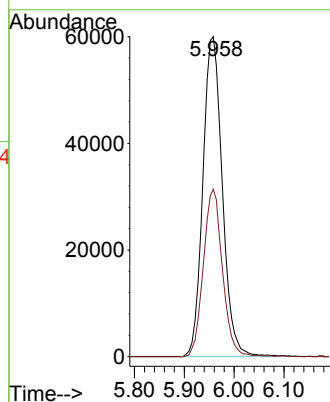
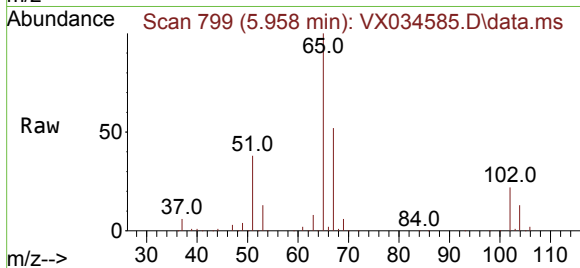
PB151466ZHE#06

Tgt Ion: 65 Resp: 162804

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034585.D

Acq: 17 Mar 2023 15:33

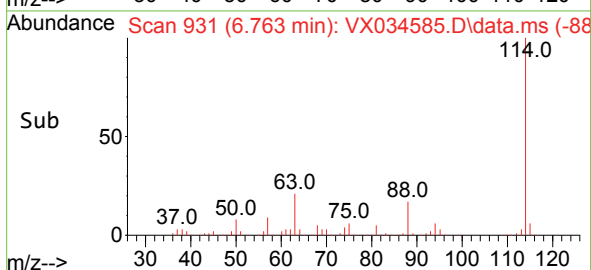
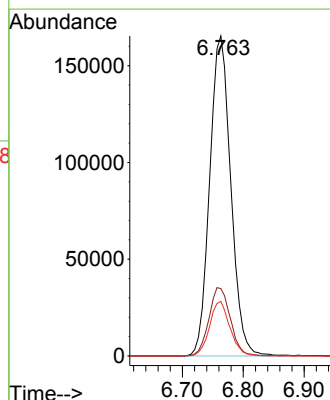
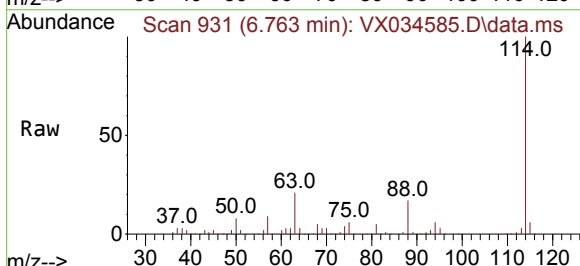
Tgt Ion: 114 Resp: 397934

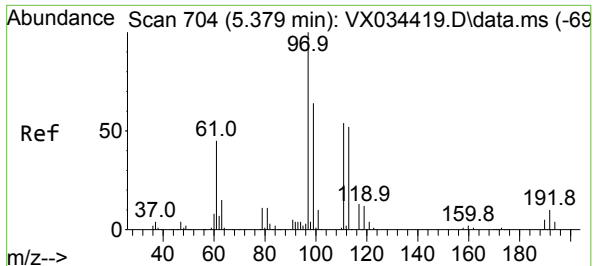
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.2

88 17.0 0.0 33.2

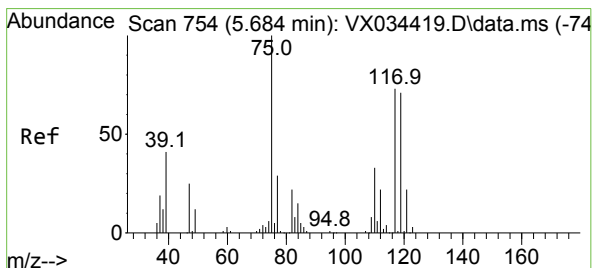
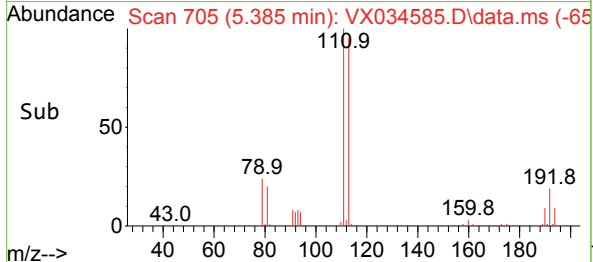
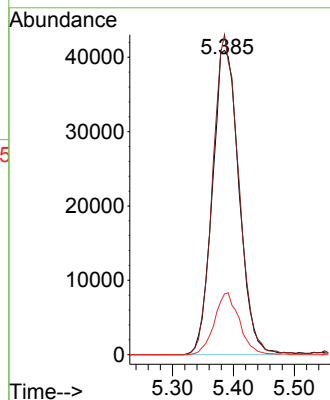
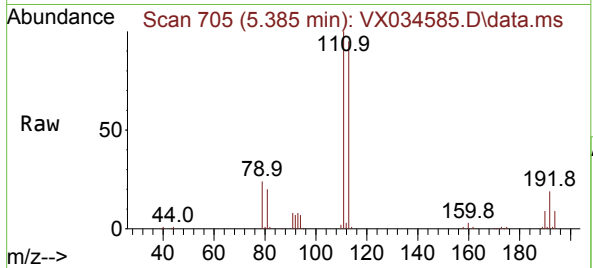




#35
Dibromofluoromethane
Concen: 47.333 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

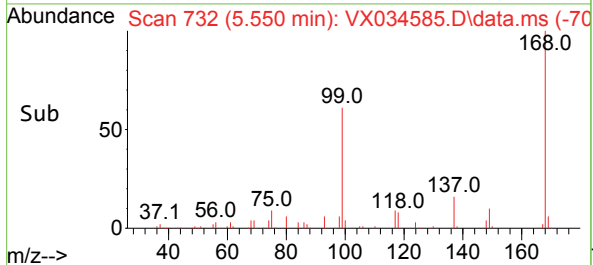
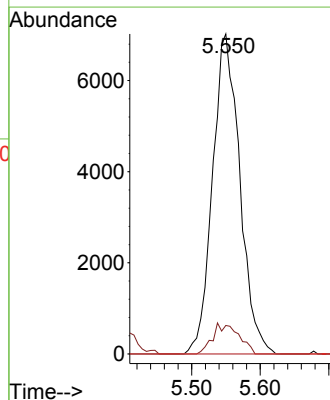
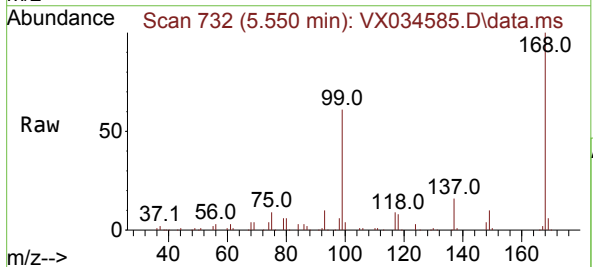
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#06

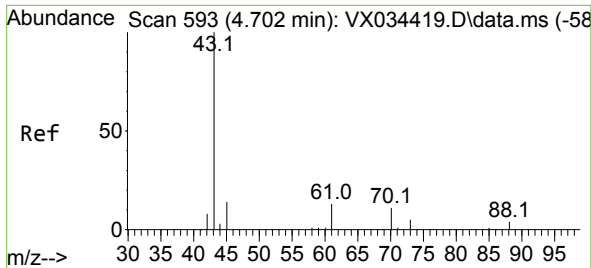
Tgt Ion:113 Resp: 124360
Ion Ratio Lower Upper
113 100
111 102.4 83.7 125.5
192 19.1 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.799 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

Tgt Ion: 75 Resp: 19368
Ion Ratio Lower Upper
75 100
110 9.1 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 15.125 ug/l

RT: 4.715 min Scan# 593

Delta R.T. 0.012 min

Lab File: VX034585.D

Acq: 17 Mar 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#06

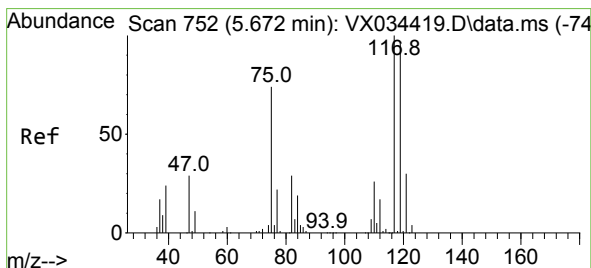
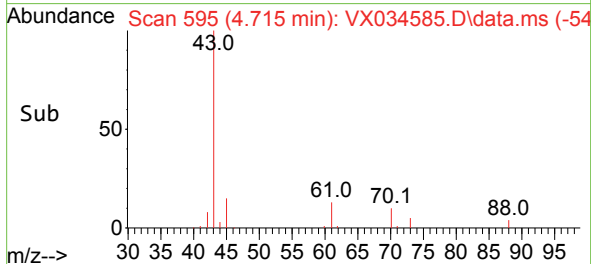
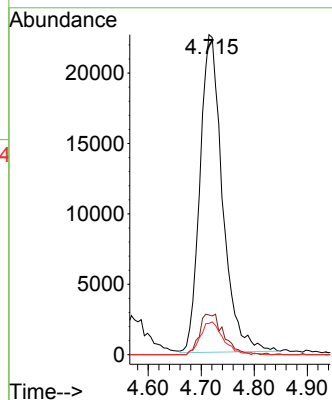
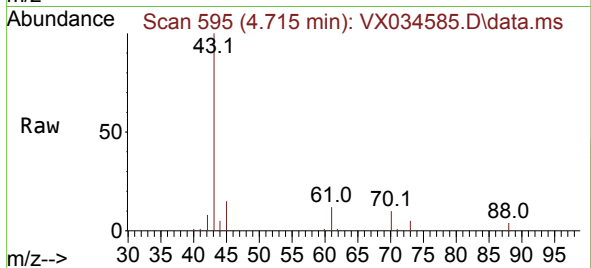
Tgt Ion: 43 Resp: 66679

Ion Ratio Lower Upper

43 100

61 13.7 10.2 15.4

70 10.4 8.2 12.4



#38

Carbon Tetrachloride

Concen: 5.855 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX034585.D

Acq: 17 Mar 2023 15:33

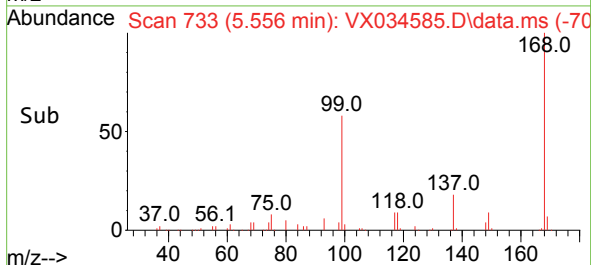
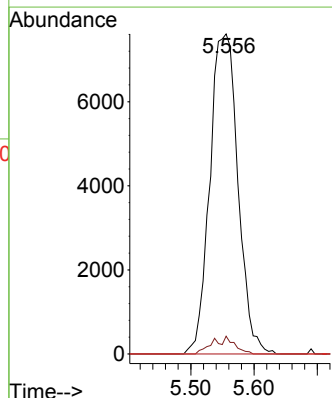
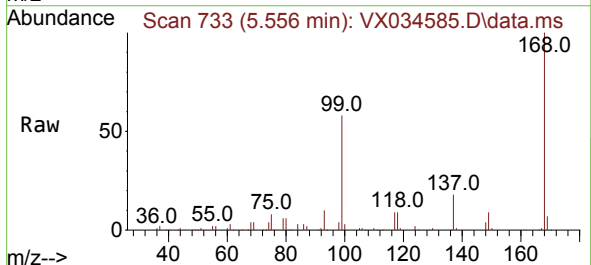
Tgt Ion: 117 Resp: 23505

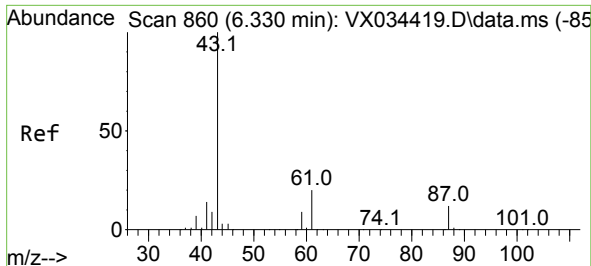
Ion Ratio Lower Upper

117 100

119 5.6 76.6 114.8#

121 0.0 23.8 35.6#

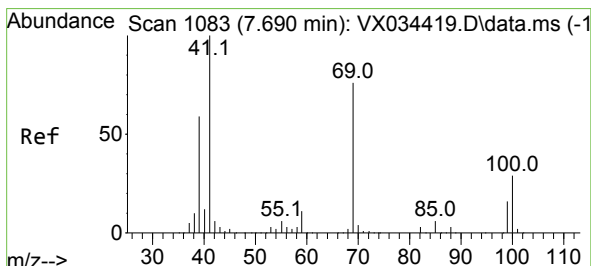
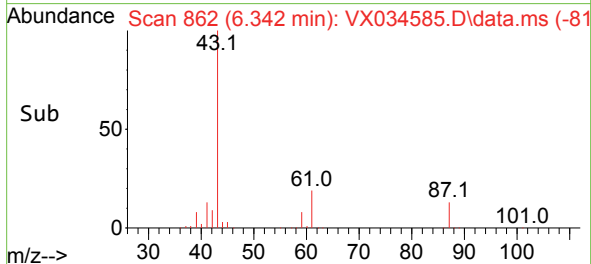
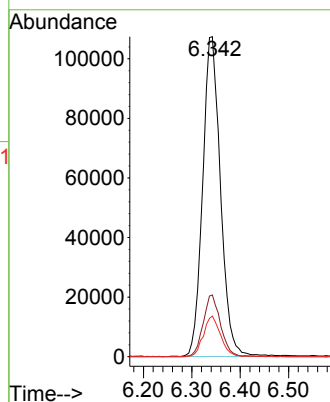
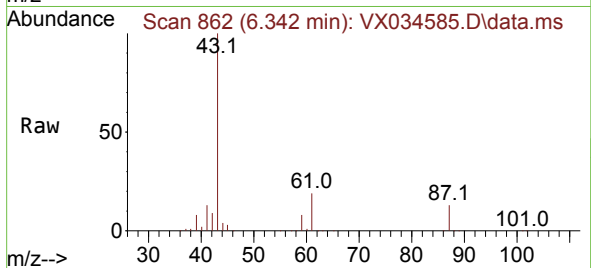




#43
Isopropyl Acetate
Concen: 36.867 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

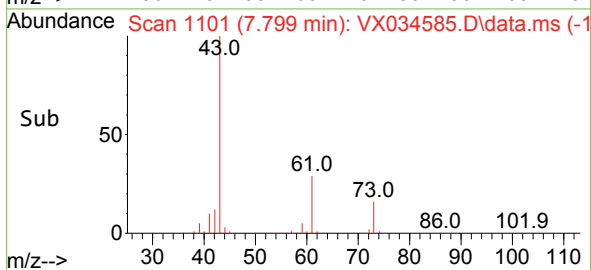
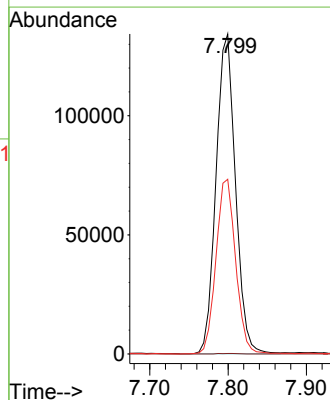
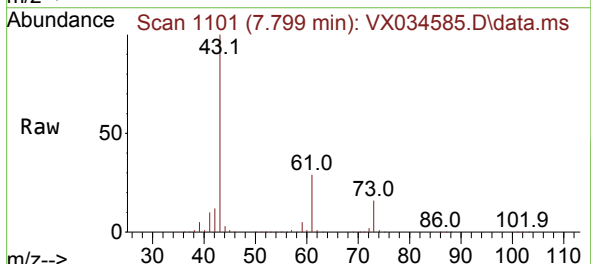
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#06

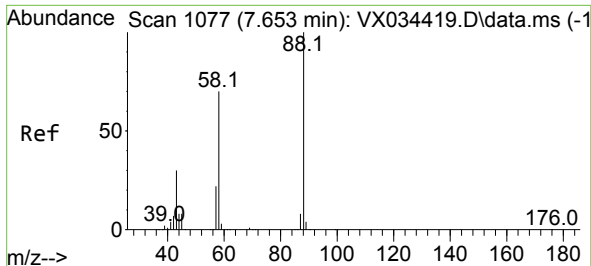
Tgt Ion: 43 Resp: 275339
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 12.2 9.8 14.8



#48
Methyl methacrylate
Concen: 64.389 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

Tgt Ion: 41 Resp: 231282
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 55.4 47.7 71.5





#49

1,4-Dioxane

Concen: 6.004 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.146 min

Lab File: VX034585.D

Acq: 17 Mar 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#06

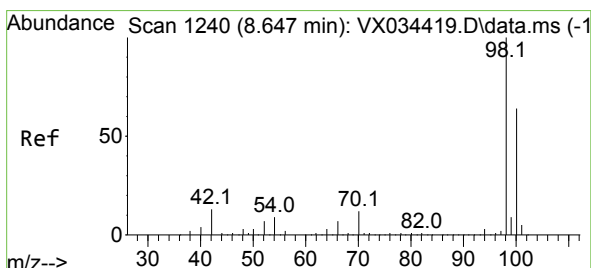
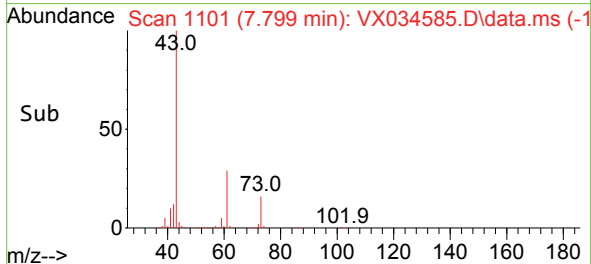
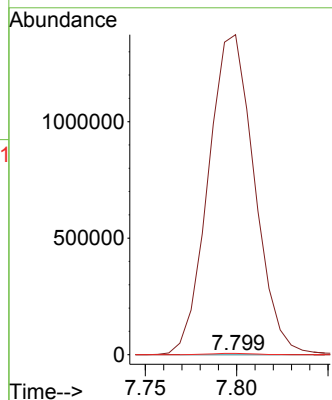
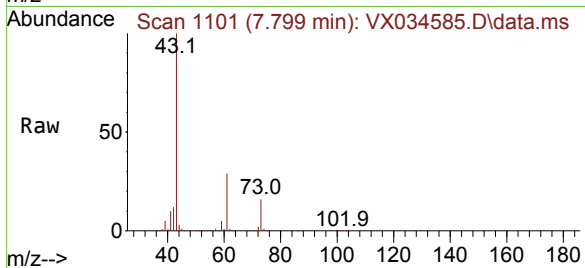
Tgt Ion: 88 Resp: 453

Ion Ratio Lower Upper

88 100

43 535850.6 27.7 41.5#

58 2055.0 56.8 85.2#



#50

Toluene-d8

Concen: 49.968 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034585.D

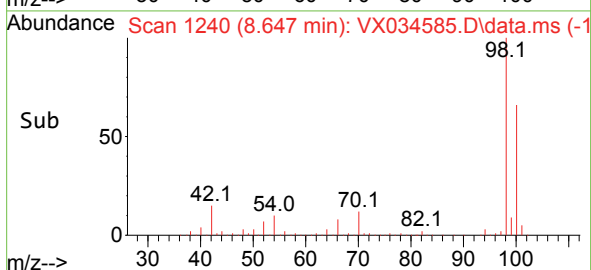
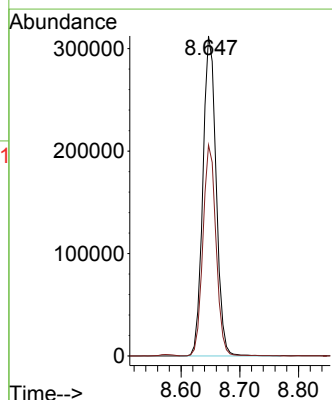
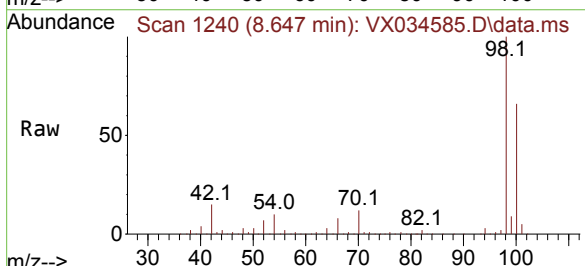
Acq: 17 Mar 2023 15:33

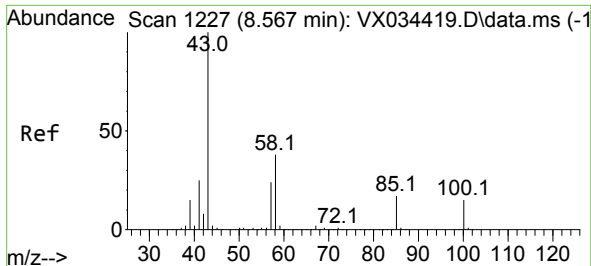
Tgt Ion: 98 Resp: 490091

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7

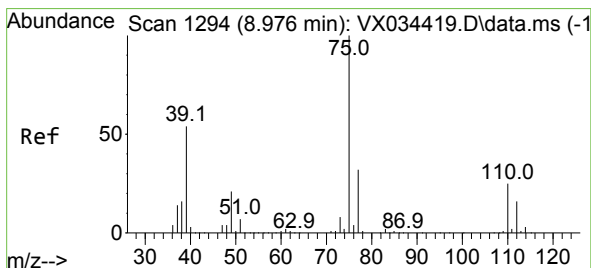
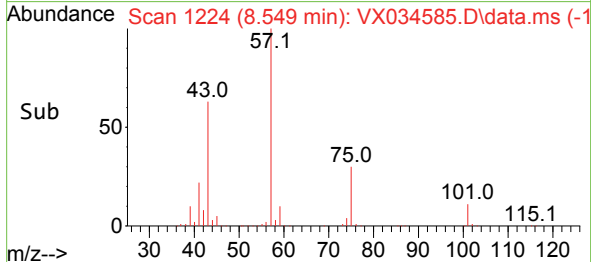
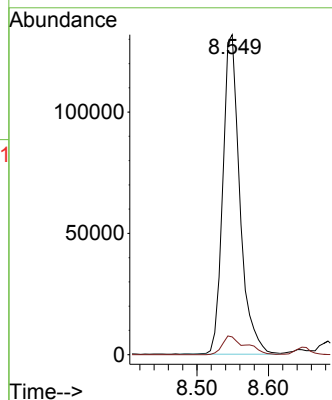
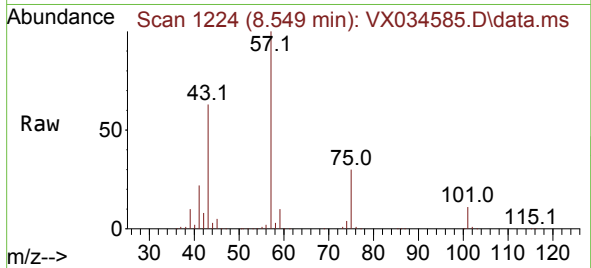




#51
4-Methyl-2-Pentanone
Concen: 50.301 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

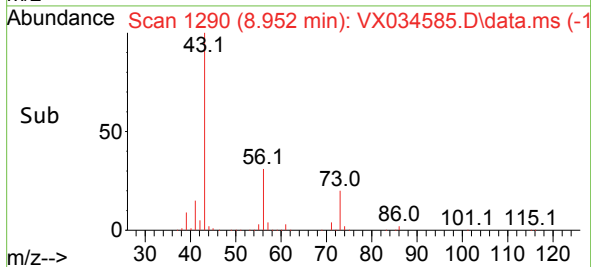
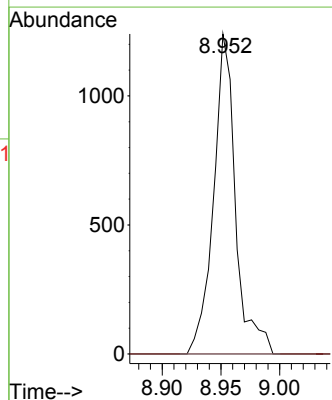
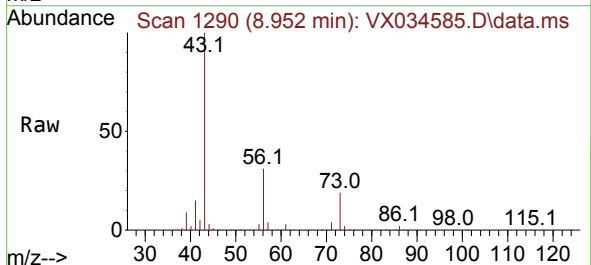
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#06

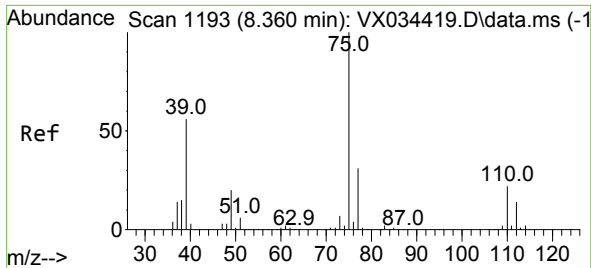
Tgt Ion: 43 Resp: 217931
Ion Ratio Lower Upper
43 100
58 8.1 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.353 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

Tgt Ion: 75 Resp: 1615
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

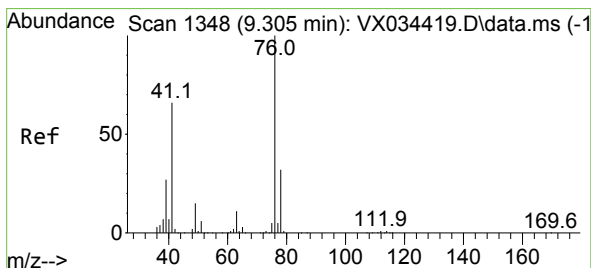
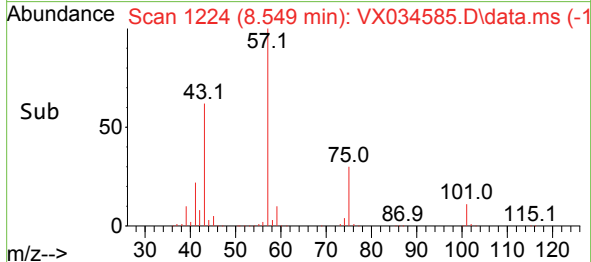
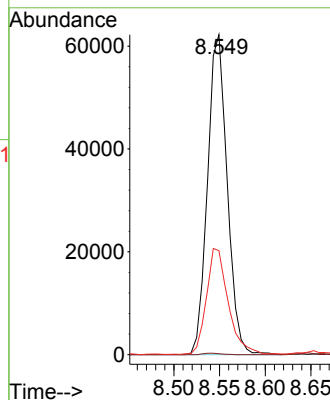
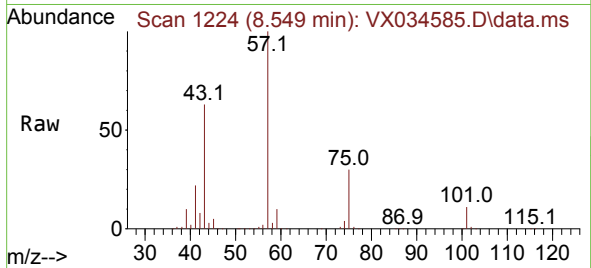




#54
 cis-1,3-Dichloropropene
 Concen: 18.801 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034585.D
 Acq: 17 Mar 2023 15:33

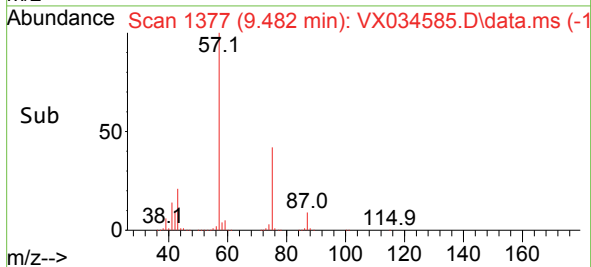
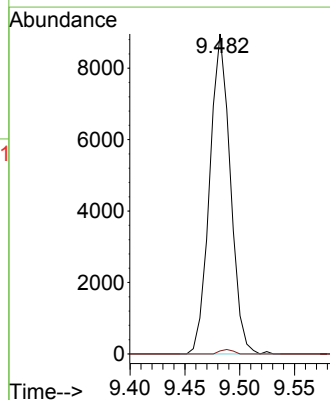
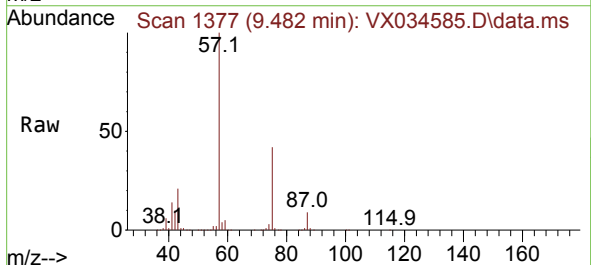
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#06

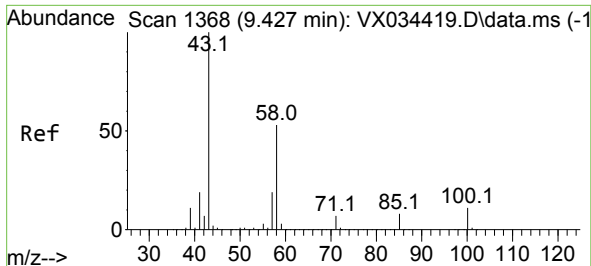
Tgt Ion: 75 Resp: 92940
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.0 37.4#
 39 32.4 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 2.275 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034585.D
 Acq: 17 Mar 2023 15:33

Tgt Ion: 76 Resp: 11728
 Ion Ratio Lower Upper
 76 100
 78 0.9 25.8 38.8#





#59

2-Hexanone

Concen: 51.341 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034585.D

Acq: 17 Mar 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

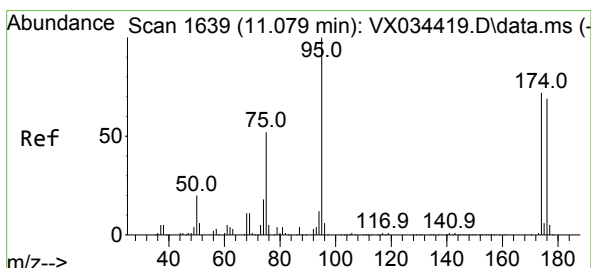
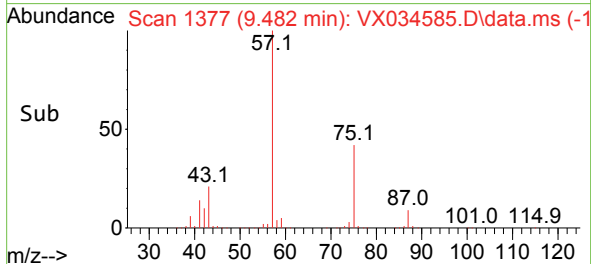
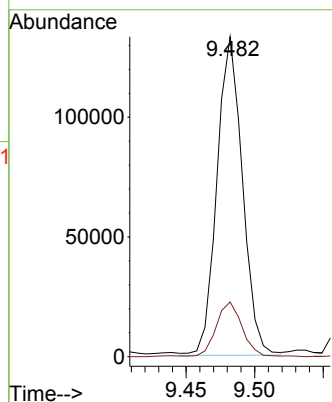
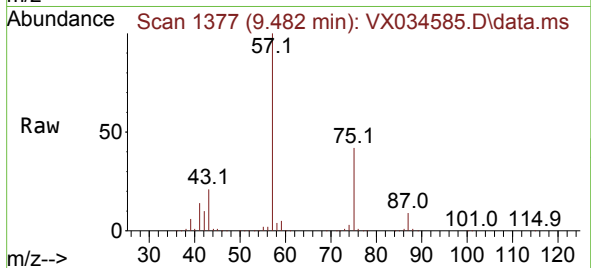
PB151466ZHE#06

Tgt Ion: 43 Resp: 171946

Ion Ratio Lower Upper

43 100

58 17.6 26.3 78.9#



#62

4-Bromofluorobenzene

Concen: 52.714 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX034585.D

Acq: 17 Mar 2023 15:33

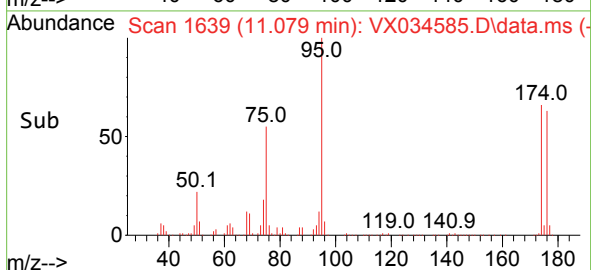
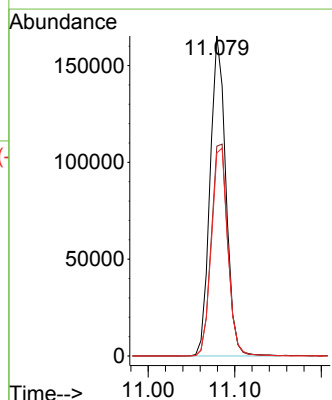
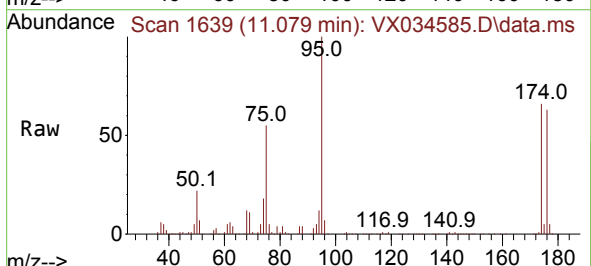
Tgt Ion: 95 Resp: 208839

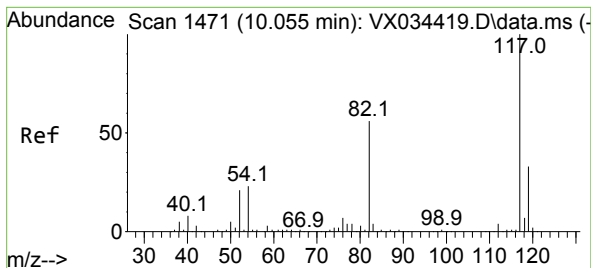
Ion Ratio Lower Upper

95 100

174 69.4 0.0 147.4

176 67.9 0.0 140.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX034585.D

Acq: 17 Mar 2023 15:33

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#06

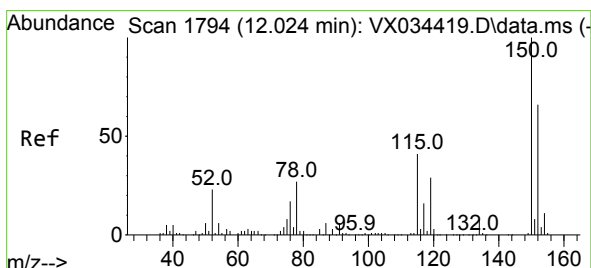
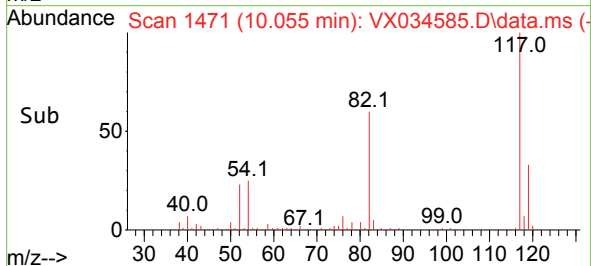
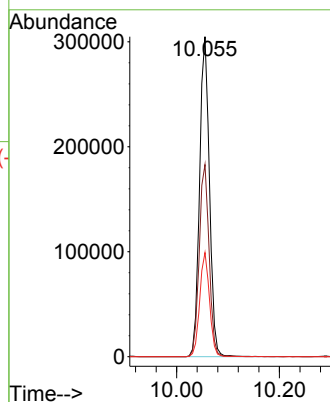
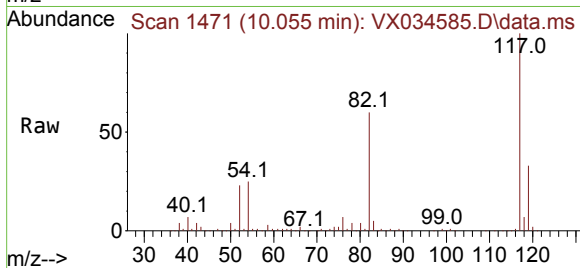
Tgt Ion:117 Resp: 406394

Ion Ratio Lower Upper

117 100

82 60.1 45.0 67.4

119 32.6 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX034585.D

Acq: 17 Mar 2023 15:33

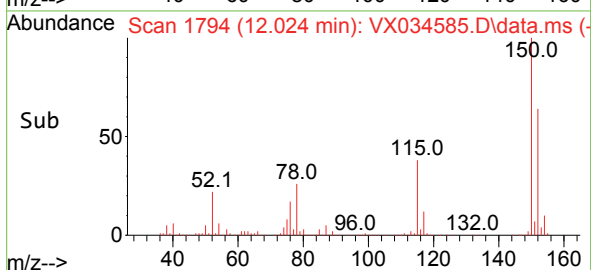
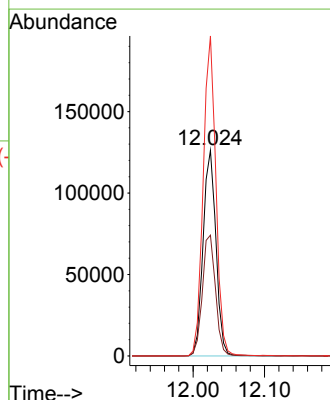
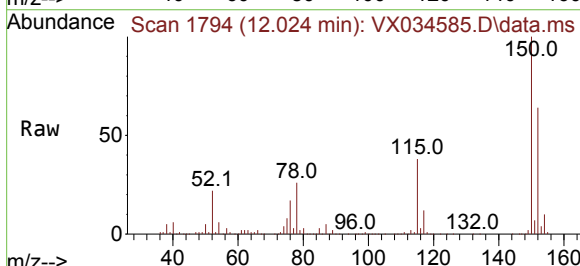
Tgt Ion:152 Resp: 158221

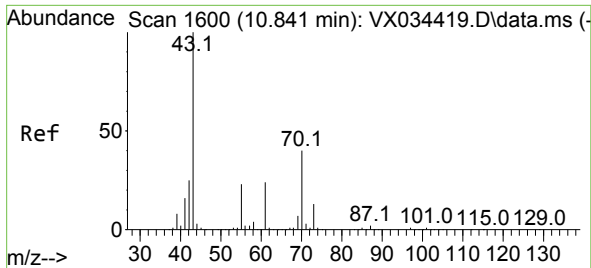
Ion Ratio Lower Upper

152 100

115 60.0 45.0 135.0

150 153.0 0.0 352.4

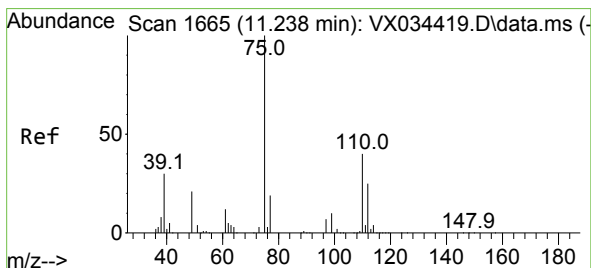
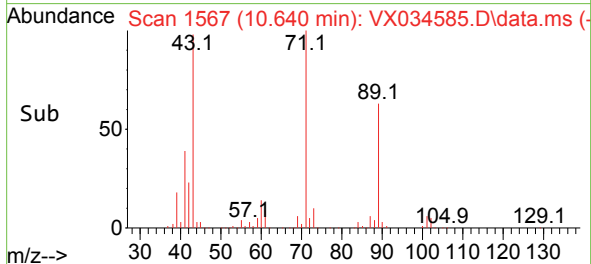
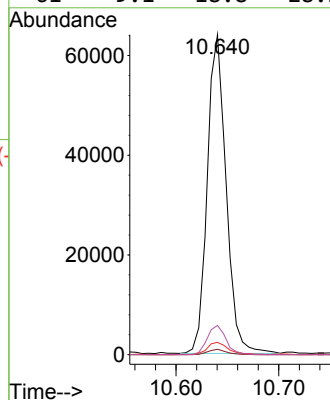
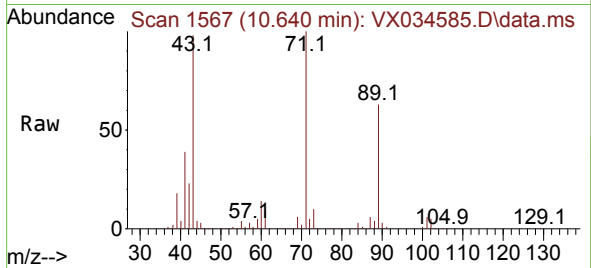




#74
N-amy1 acetate
Concen: 13.911 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

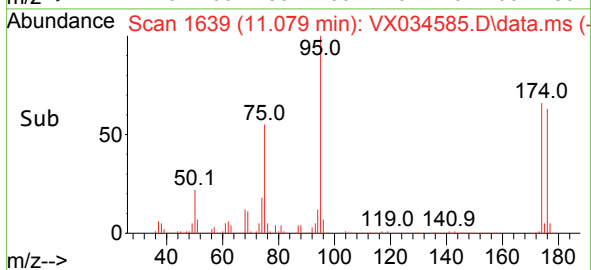
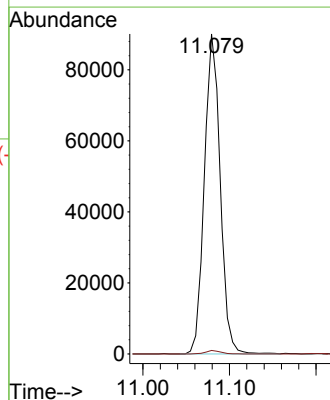
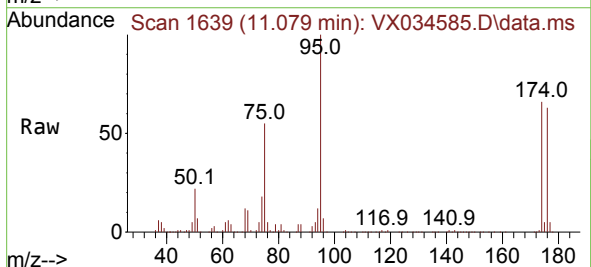
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#06

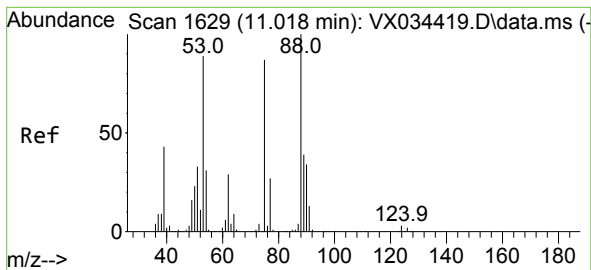
Tgt Ion: 43	Resp: 81480
Ion Ratio	Lower Upper
43	100
70	1.7 32.1 48.1#
55	4.4 18.3 27.5#
61	9.1 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 31.492 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034585.D
Acq: 17 Mar 2023 15:33

Tgt Ion: 75	Resp: 114408
Ion Ratio	Lower Upper
75	100
77	1.1 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.195 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX034585.D
 Acq: 17 Mar 2023 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#06

Tgt Ion: 75 Resp: 114408
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

