

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022724\
 Data File : VY017496.D
 Acq On : 27 Feb 2024 15:06
 Operator : SY/MD
 Sample : P1602-10
 Misc : 5.41g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4

Quant Time: Feb 28 00:16:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

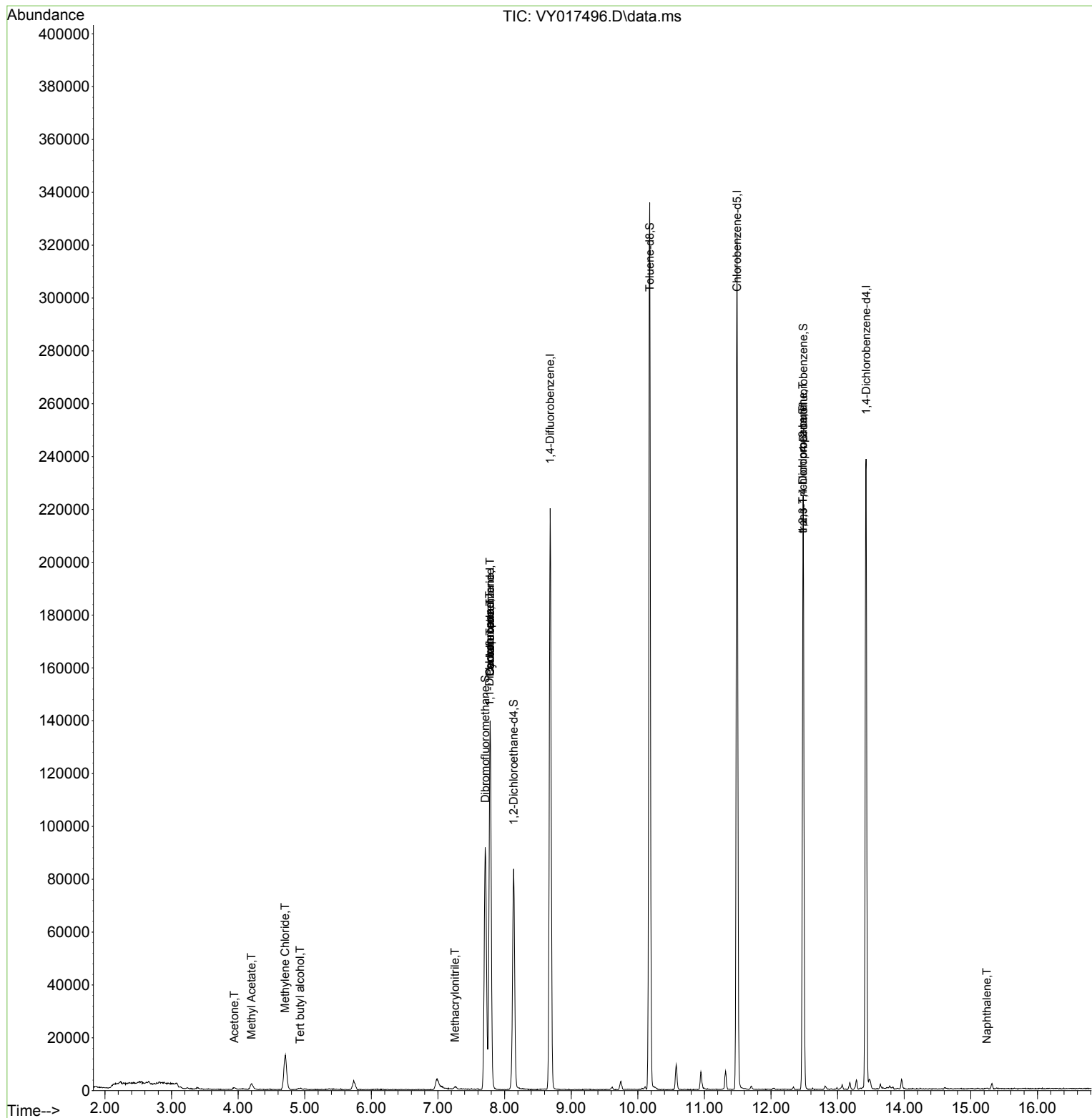
Internal Standards						
1) Pentafluorobenzene	7.783	168	115156	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	202786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	181930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	67351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	59286	54.323	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.640%	
35) Dibromofluoromethane	7.710	113	66661	47.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.340%	
50) Toluene-d8	10.179	98	227627	46.072	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.140%	
62) 4-Bromofluorobenzene	12.483	95	62260	40.098	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	669	7.216	ug/l #	88
16) Acetone	3.942	43	1164	5.499	ug/l #	83
18) Methyl Acetate	4.198	43	813	1.583	ug/l #	46
20) Methylene Chloride	4.704	84	10515	3.343	ug/l	97
31) Cyclohexane	7.783	56	2009	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	8631	4.527	ug/l #	48
38) Carbon Tetrachloride	7.783	117	10640	5.568	ug/l #	16
41) Methacrylonitrile	7.258	41	548	1.450	ug/l #	30
76) 1,2,3-Trichloropropane	12.477	75	29867	46.672	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	29867	107.241	ug/l #	16
95) Naphthalene	15.239	128	258	4.027	ug/l #	81

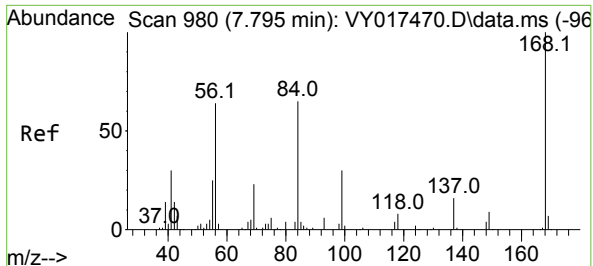
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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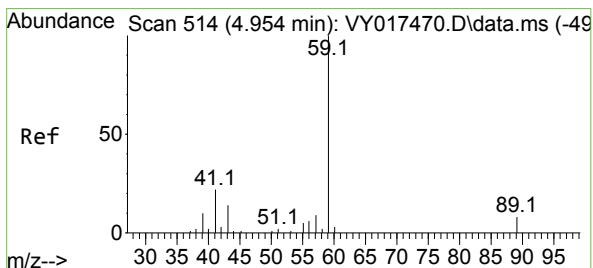
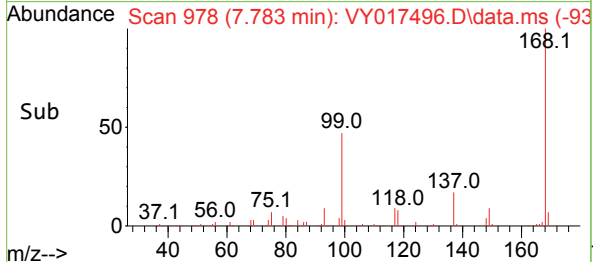
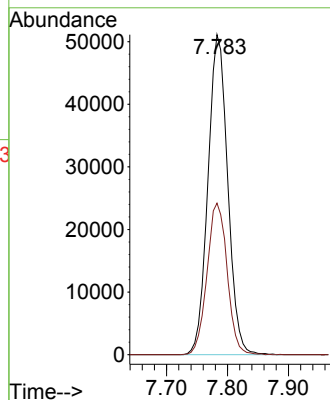
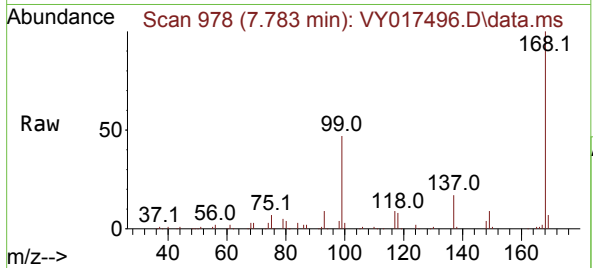




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017496.D
Acq: 27 Feb 2024 15:06

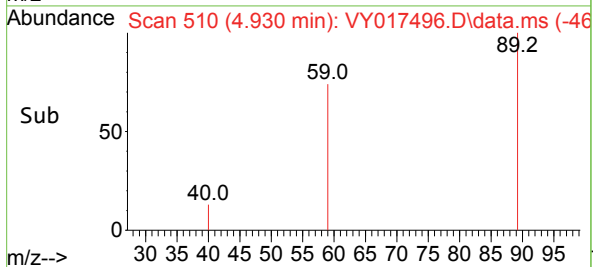
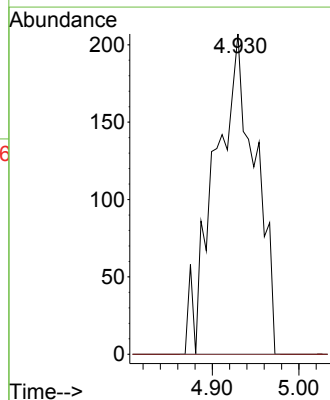
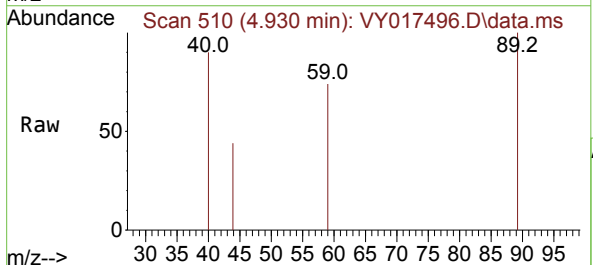
Instrument :
MSVOA_Y
ClientSampleId :
WC-4

Tgt Ion:168 Resp: 115156
Ion Ratio Lower Upper
168 100
99 47.4 39.1 58.7



#11
Tert butyl alcohol
Concen: 7.216 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY017496.D
Acq: 27 Feb 2024 15:06

Tgt Ion: 59 Resp: 669
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 5.499 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY017496.D

Acq: 27 Feb 2024 15:06

Instrument :

MSVOA_Y

ClientSampleId :

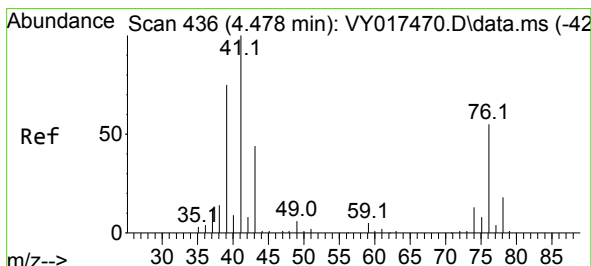
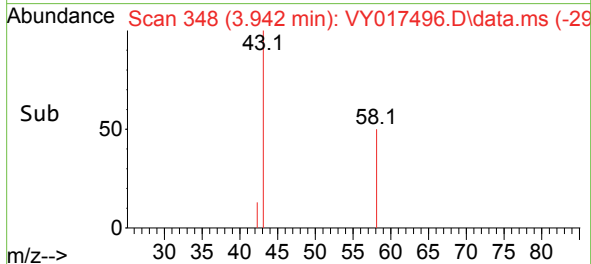
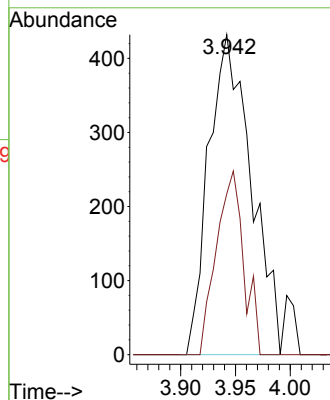
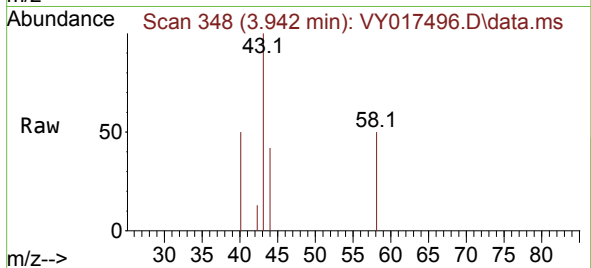
WC-4

Tgt Ion: 43 Resp: 1164

Ion Ratio Lower Upper

43 100

58 50.2 31.7 47.5#



#18

Methyl Acetate

Concen: 1.583 ug/l

RT: 4.198 min Scan# 390

Delta R.T. -0.280 min

Lab File: VY017496.D

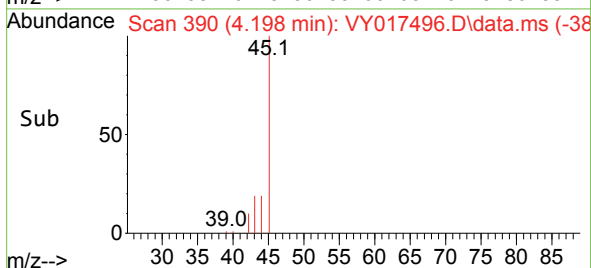
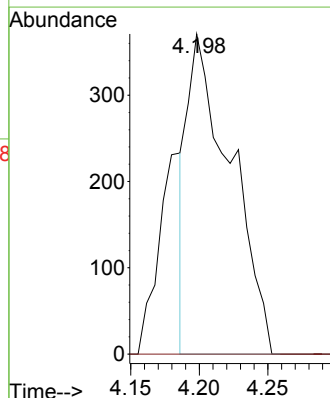
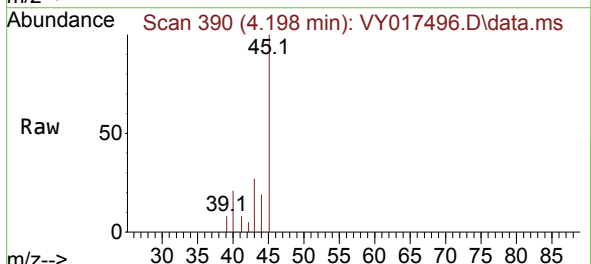
Acq: 27 Feb 2024 15:06

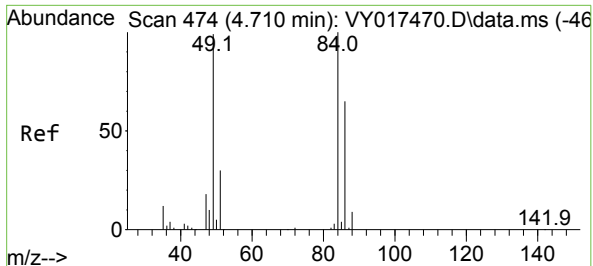
Tgt Ion: 43 Resp: 813

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#





#20

Methylene Chloride

Concen: 3.343 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY017496.D

Acq: 27 Feb 2024 15:06

Instrument :

MSVOA_Y

ClientSampleId :

WC-4

Tgt Ion: 84 Resp: 10515

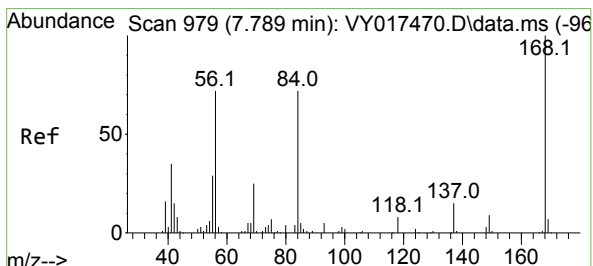
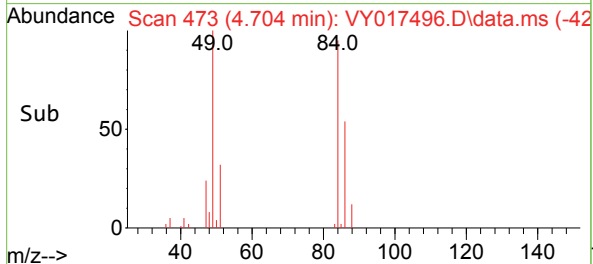
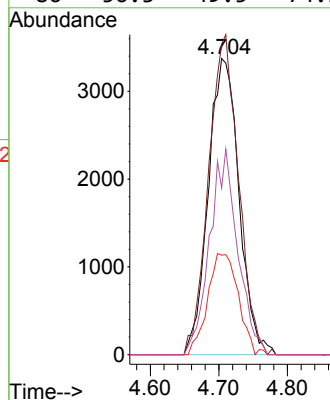
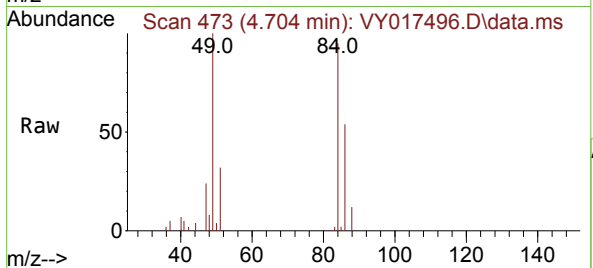
Ion Ratio Lower Upper

84 100

49 104.8 84.4 126.6

51 33.6 26.0 39.0

86 56.3 49.5 74.3



#31

Cyclohexane

Concen: 1.131 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY017496.D

Acq: 27 Feb 2024 15:06

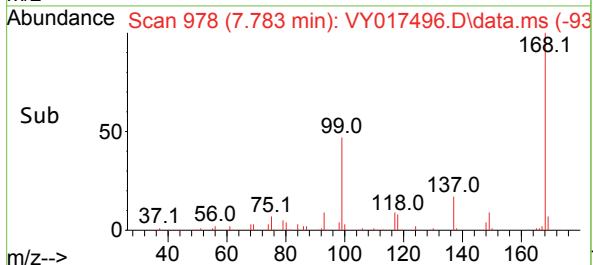
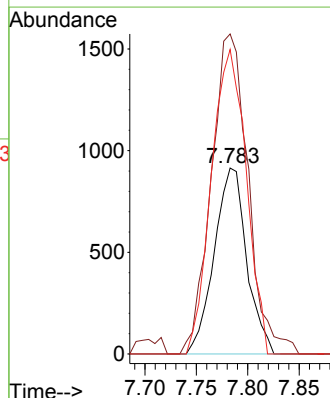
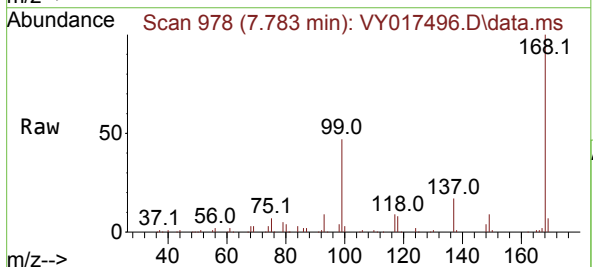
Tgt Ion: 56 Resp: 2009

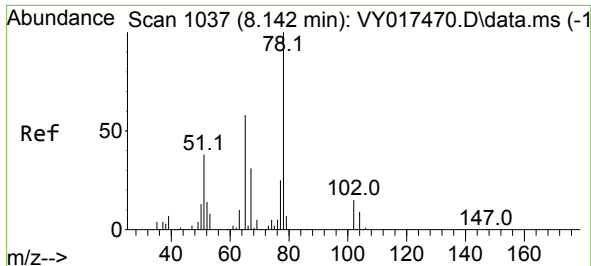
Ion Ratio Lower Upper

56 100

69 172.0 28.7 43.1#

84 163.7 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 54.323 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY017496.D

Acq: 27 Feb 2024 15:06

Instrument :

MSVOA_Y

ClientSampleId :

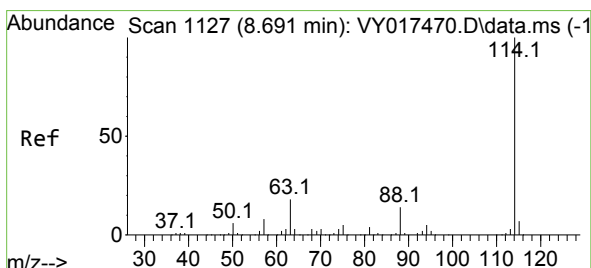
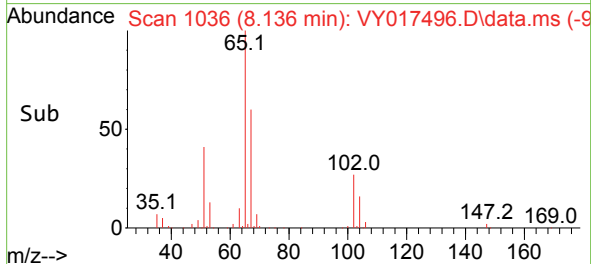
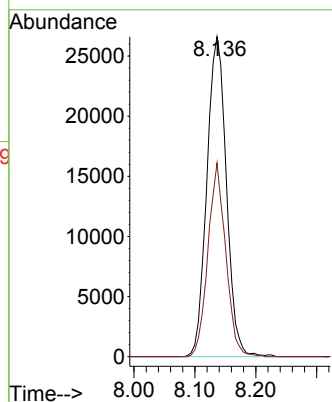
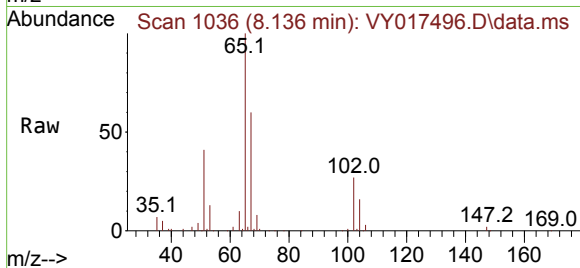
WC-4

Tgt Ion: 65 Resp: 59286

Ion Ratio Lower Upper

65 100

67 55.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY017496.D

Acq: 27 Feb 2024 15:06

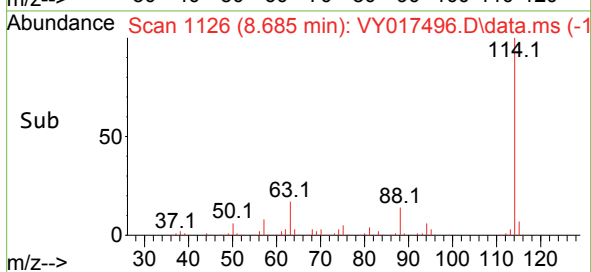
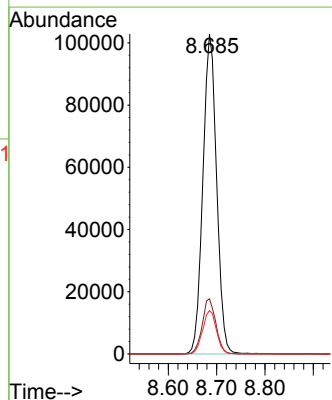
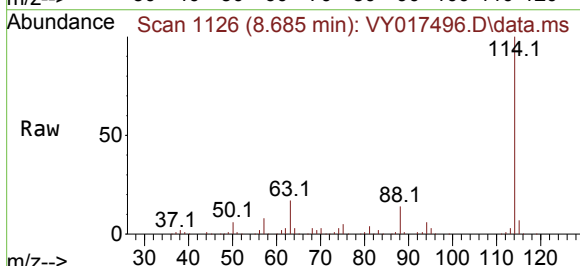
Tgt Ion: 114 Resp: 202786

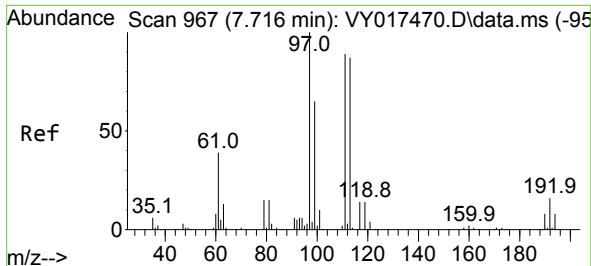
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 13.6 0.0 27.2

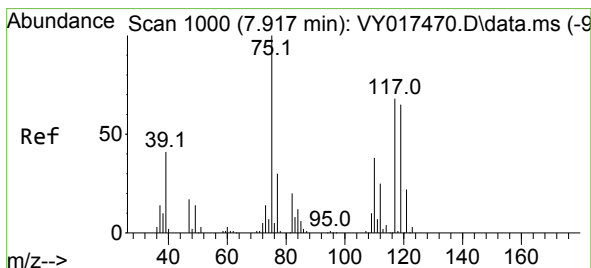
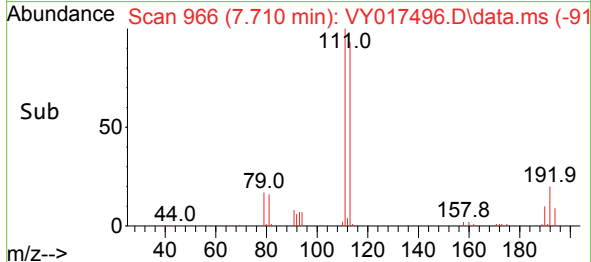
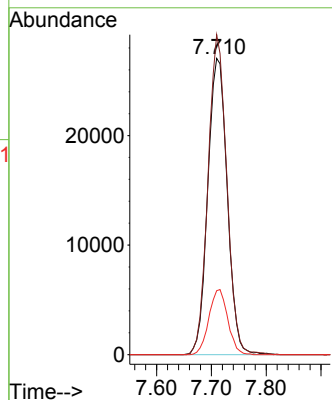
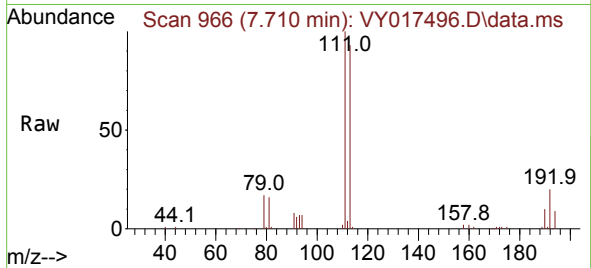




#35
Dibromofluoromethane
Concen: 47.174 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY017496.D
Acq: 27 Feb 2024 15:06

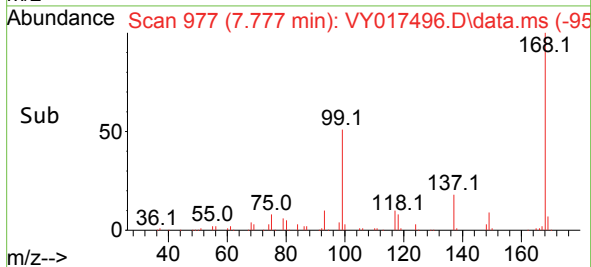
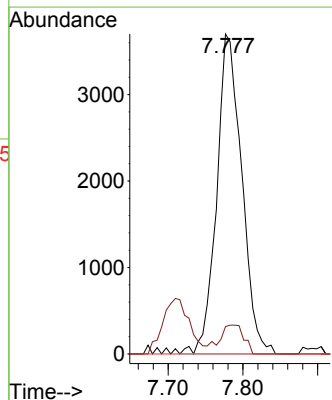
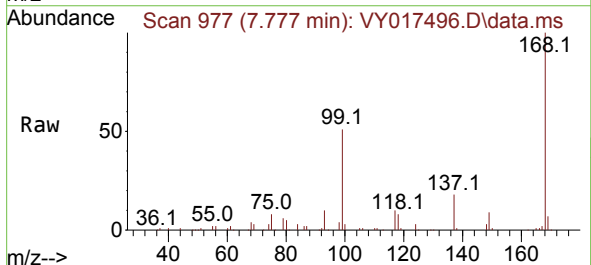
Instrument :
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WC-4

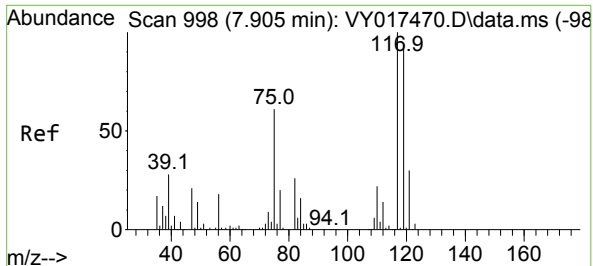
Tgt Ion:113 Resp: 66661
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.4
192 21.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.527 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.140 min
Lab File: VY017496.D
Acq: 27 Feb 2024 15:06

Tgt Ion: 75 Resp: 8631
Ion Ratio Lower Upper
75 100
110 8.7 19.0 57.0#
77 0.0 25.3 37.9#

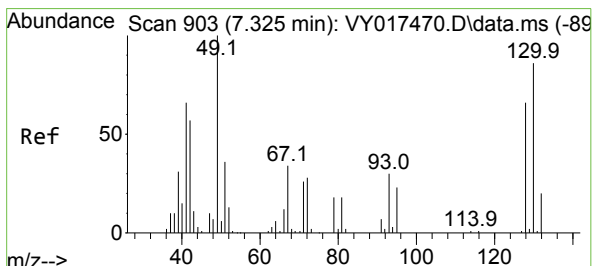
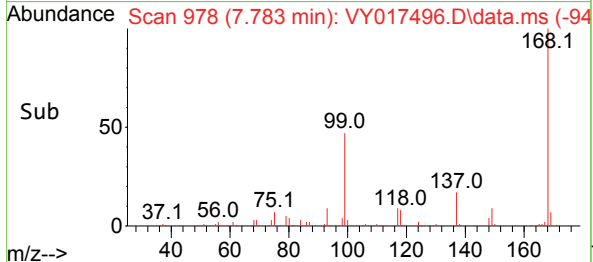
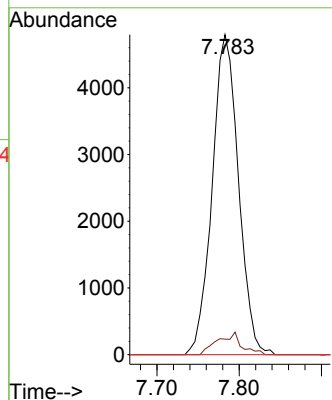
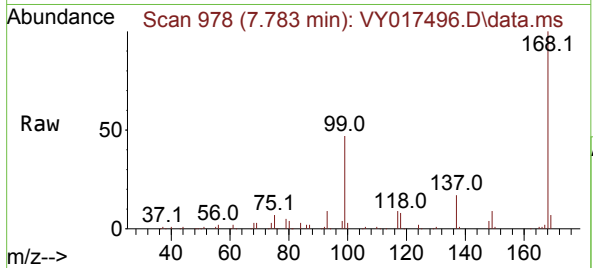




#38
Carbon Tetrachloride
Concen: 5.568 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017496.D
Acq: 27 Feb 2024 15:06

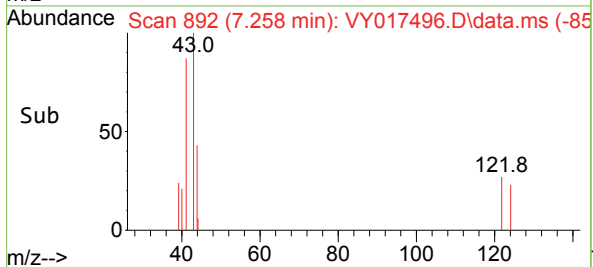
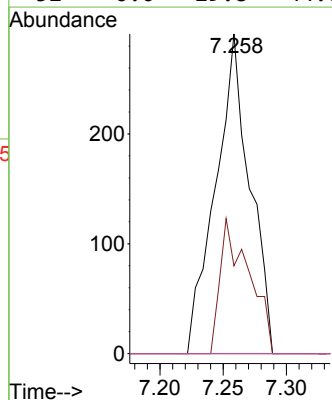
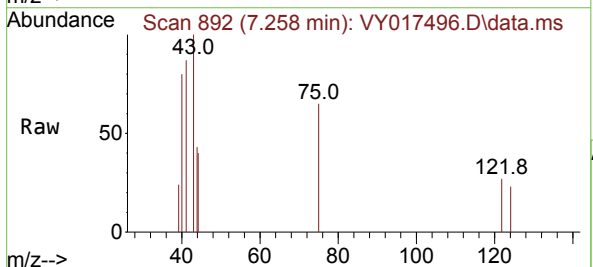
Instrument :
MSVOA_Y
ClientSampleId :
WC-4

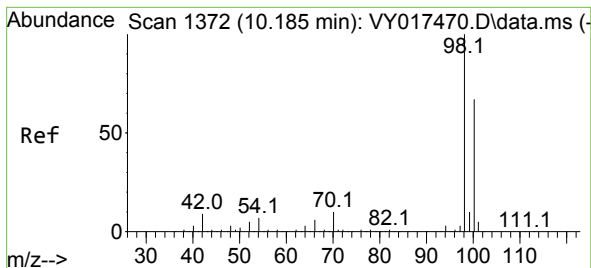
Tgt Ion:117 Resp: 10640
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 1.450 ug/l
RT: 7.258 min Scan# 892
Delta R.T. -0.067 min
Lab File: VY017496.D
Acq: 27 Feb 2024 15:06

Tgt Ion: 41 Resp: 548
Ion Ratio Lower Upper
41 100
39 35.6 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#





#50

Toluene-d8

Concen: 46.072 ug/l

RT: 10.179 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY017496.D

Acq: 27 Feb 2024 15:06

Instrument :

MSVOA_Y

ClientSampleId :

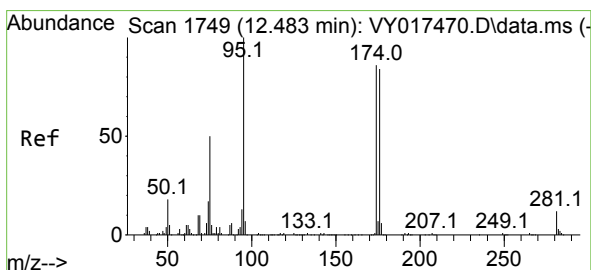
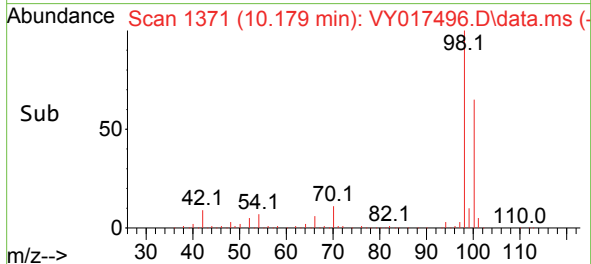
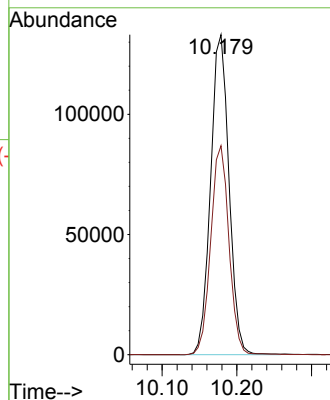
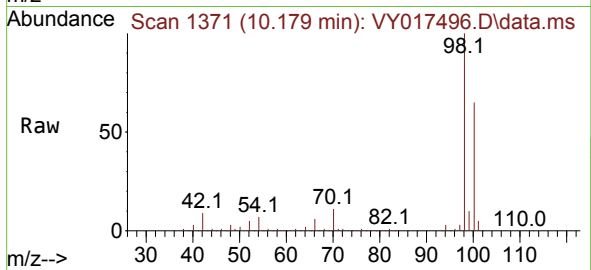
WC-4

Tgt Ion: 98 Resp: 227627

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 40.098 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY017496.D

Acq: 27 Feb 2024 15:06

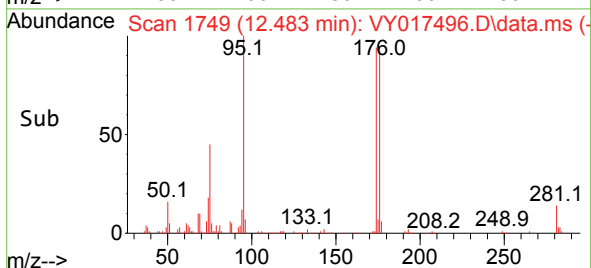
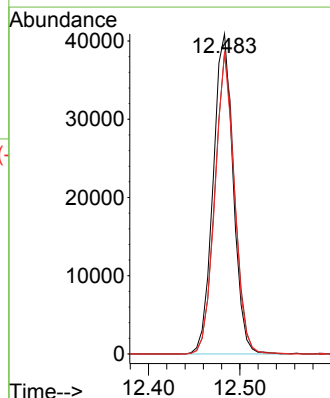
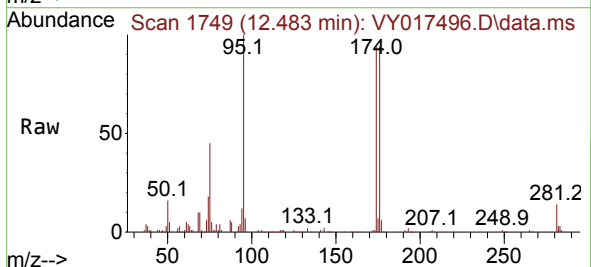
Tgt Ion: 95 Resp: 62260

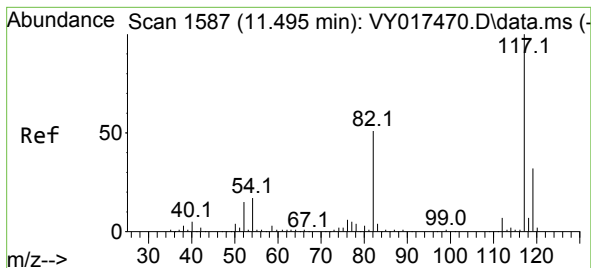
Ion Ratio Lower Upper

95 100

174 93.4 0.0 175.6

176 91.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017496.D

Acq: 27 Feb 2024 15:06

Instrument :

MSVOA_Y

ClientSampleId :

WC-4

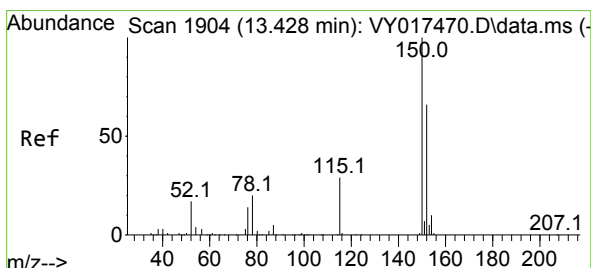
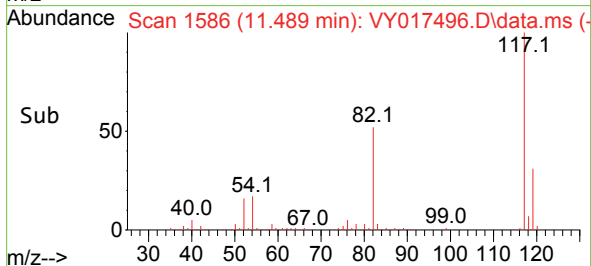
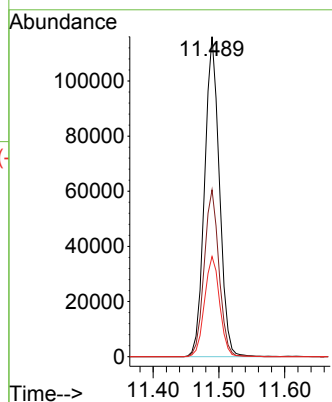
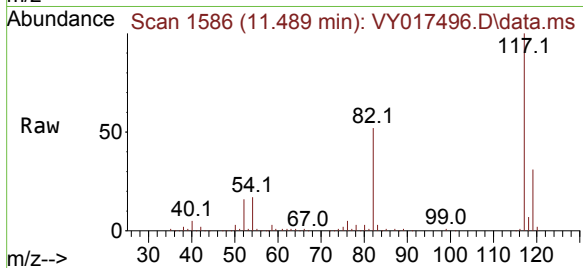
Tgt Ion:117 Resp: 181930

Ion Ratio Lower Upper

117 100

82 52.1 42.4 63.6

119 31.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY017496.D

Acq: 27 Feb 2024 15:06

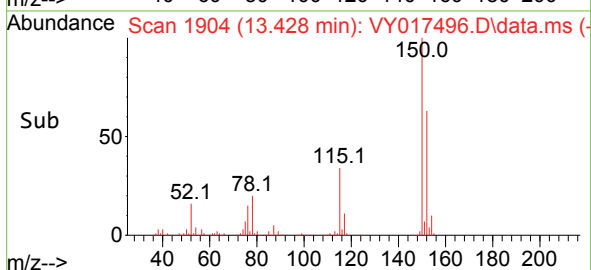
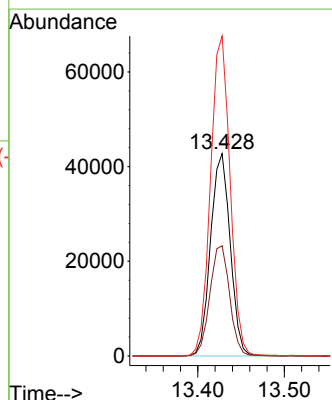
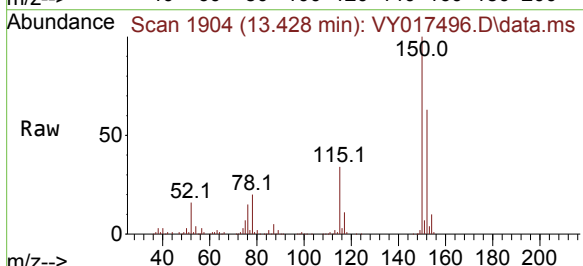
Tgt Ion:152 Resp: 67351

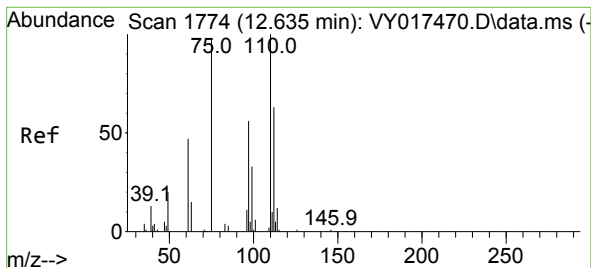
Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.7

150 157.5 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 46.672 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY017496.D

Acq: 27 Feb 2024 15:06

Instrument :

MSVOA_Y

ClientSampleId :

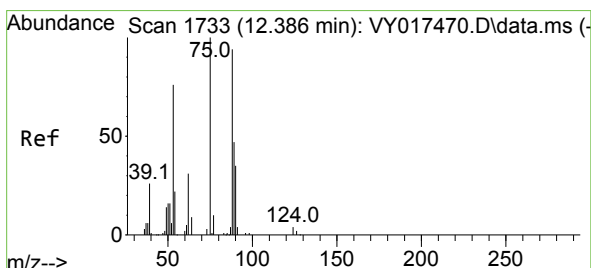
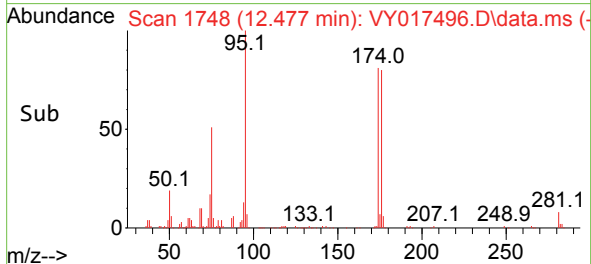
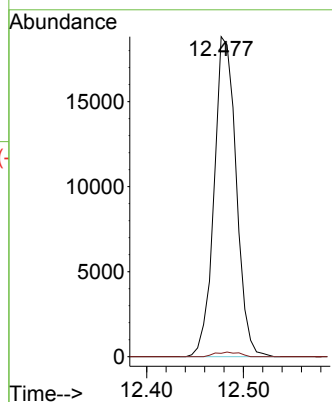
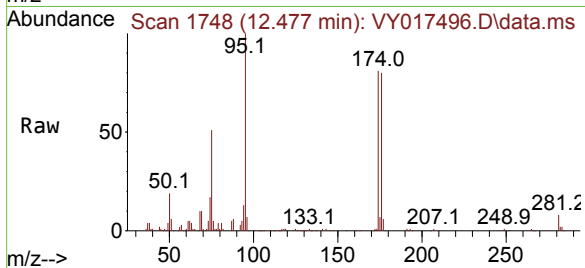
WC-4

Tgt Ion: 75 Resp: 29867

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.241 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.091 min

Lab File: VY017496.D

Acq: 27 Feb 2024 15:06

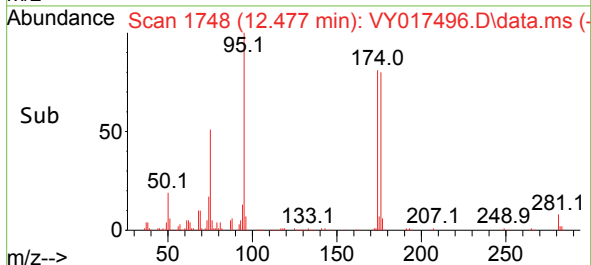
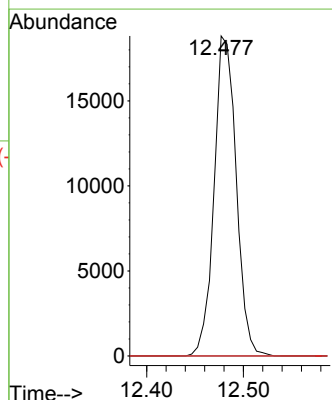
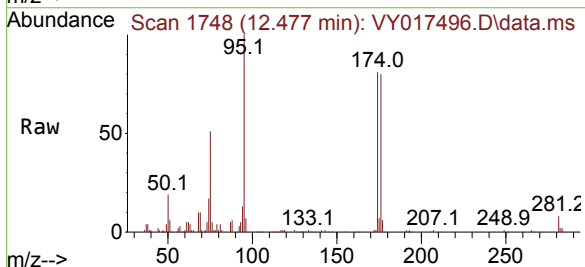
Tgt Ion: 75 Resp: 29867

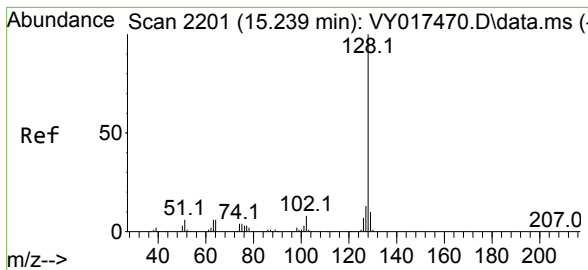
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

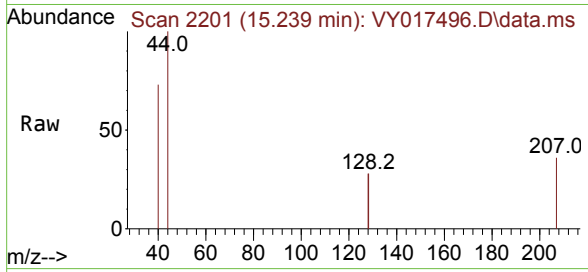
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 4.027 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY017496.D
Acq: 27 Feb 2024 15:06

Instrument :
MSVOA_Y
ClientSampleId :
WC-4



Tgt Ion:	128	Resp:	258
Ion	Ratio	Lower	Upper
128	100		
127	8.9	10.6	16.0#
129	0.0	8.6	13.0#

