

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020224\
 Data File : VY017210.D
 Acq On : 03 Feb 2024 02:55
 Operator : SY/MD
 Sample : P1066-03
 Misc : 2.90g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-N-GRAB

Quant Time: Feb 03 04:30:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

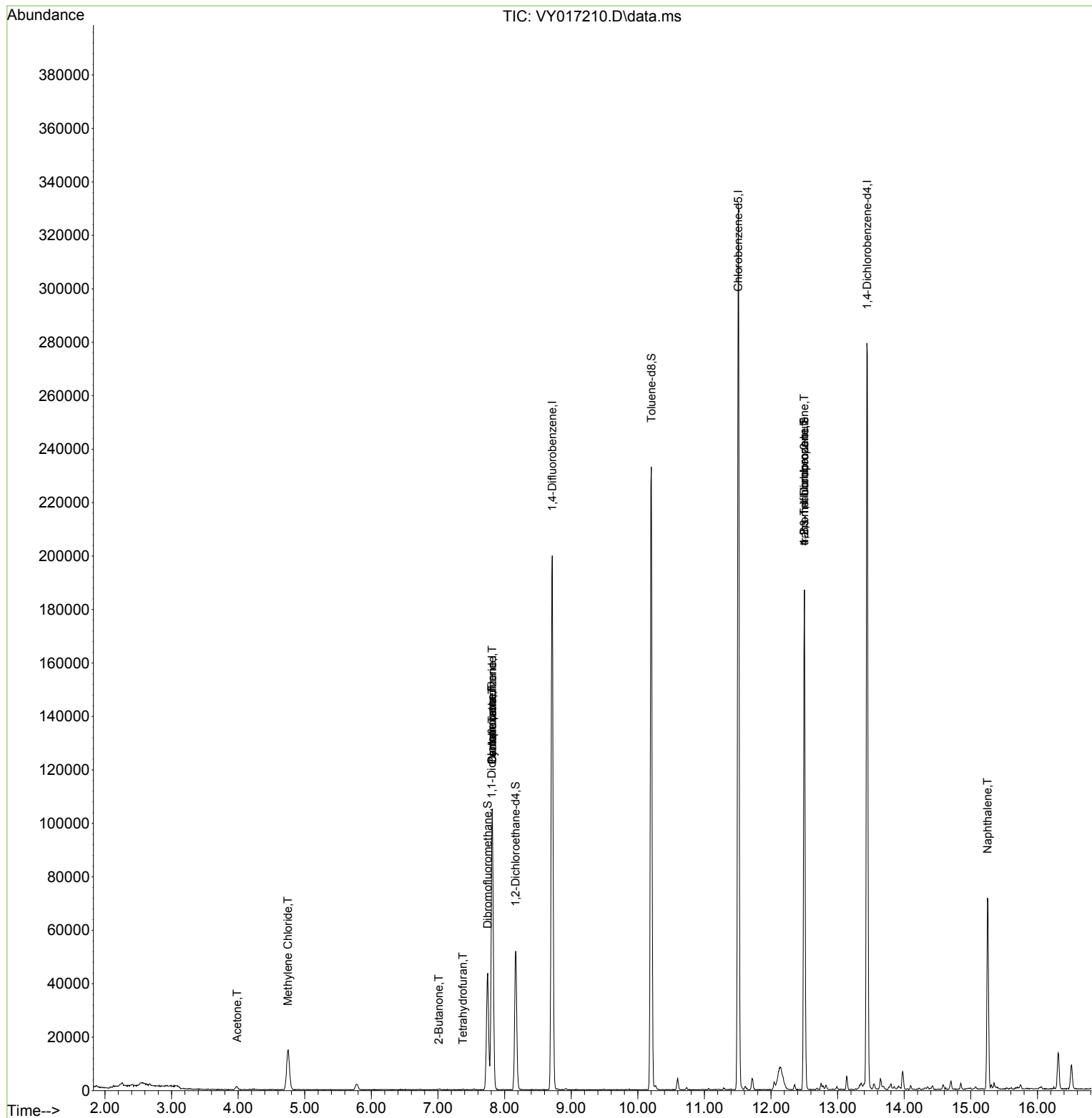
Internal Standards						
1) Pentafluorobenzene	7.813	168	79286	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	172225	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.508	117	175980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.446	152	72270	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	39170	55.302	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.600%	
35) Dibromofluoromethane	7.746	113	31200	33.552	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 67.100%	
50) Toluene-d8	10.203	98	152045	44.908	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	= 89.820%	
62) 4-Bromofluorobenzene	12.501	95	53814	48.521	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.997	59	21	Below Cal	#	75
16) Acetone	3.985	43	2030	9.751	ug/l #	84
20) Methylene Chloride	4.747	84	11415	10.630	ug/l	95
25) 2-Butanone	7.015	43	330	1.192	ug/l #	48
29) Tetrahydrofuran	7.374	42	217	1.388	ug/l #	32
31) Cyclohexane	7.813	56	1828	1.280	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	6549	4.083	ug/l #	48
38) Carbon Tetrachloride	7.813	117	7589	4.941	ug/l #	16
76) 1,2,3-Trichloropropane	12.501	75	27955	41.909	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	27955	87.081	ug/l #	12
95) Naphthalene	15.251	128	59303	31.529	ug/l	100

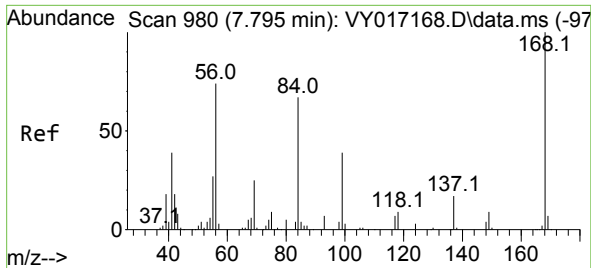
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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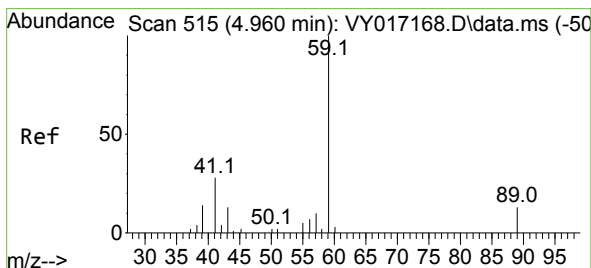
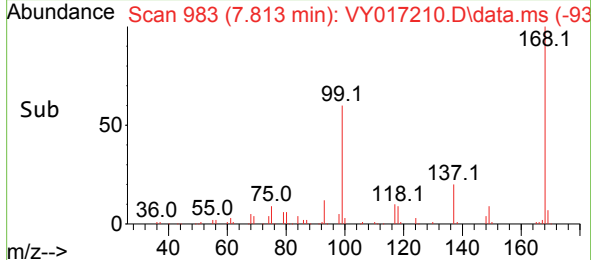
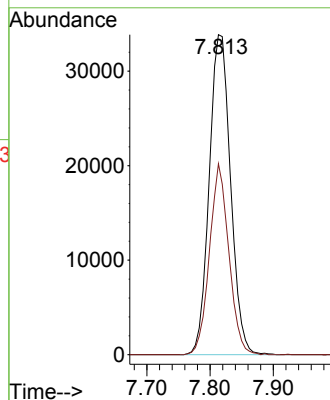
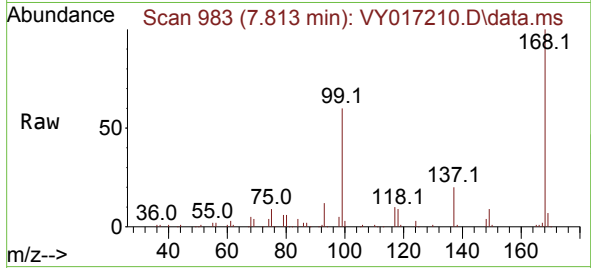




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY017210.D
Acq: 03 Feb 2024 02:55

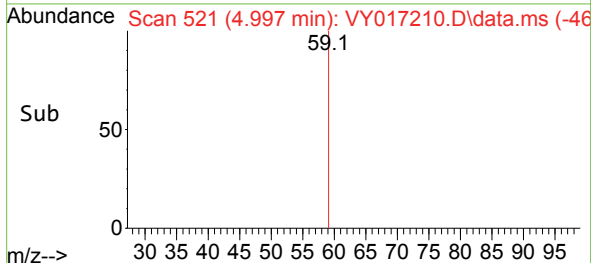
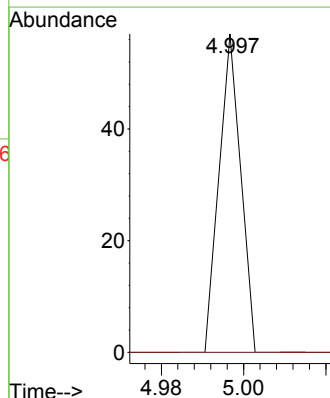
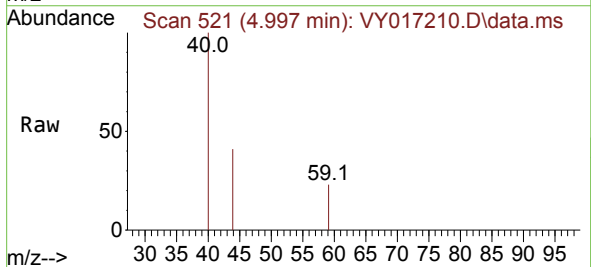
Instrument :
MSVOA_Y
ClientSampleId :
WC-N-GRAB

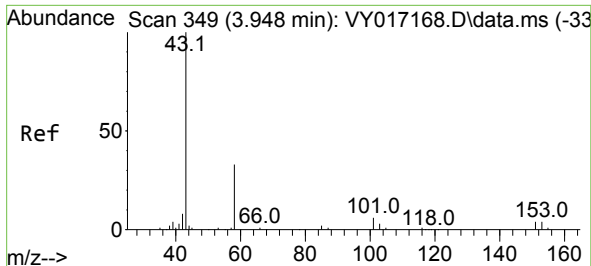
Tgt Ion:168 Resp: 79286
Ion Ratio Lower Upper
168 100
99 59.7 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.997 min Scan# 521
Delta R.T. 0.037 min
Lab File: VY017210.D
Acq: 03 Feb 2024 02:55

Tgt Ion: 59 Resp: 21
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 9.751 ug/l

RT: 3.985 min Scan# 3

Delta R.T. 0.037 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

Instrument :

MSVOA_Y

ClientSampleId :

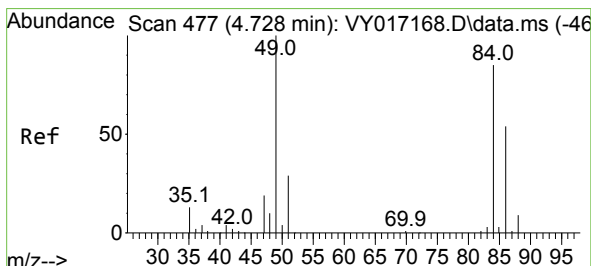
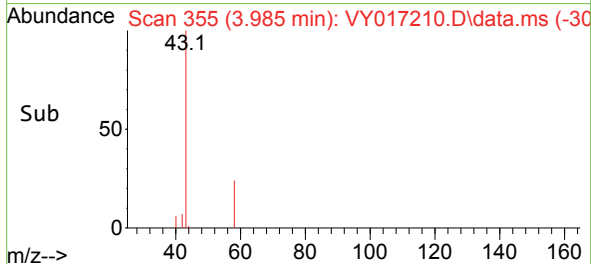
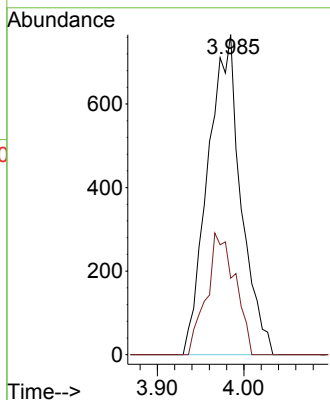
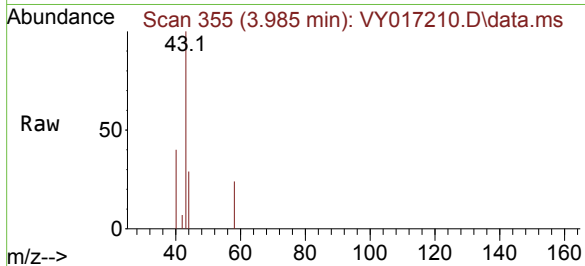
WC-N-GRAB

Tgt Ion: 43 Resp: 2030

Ion Ratio Lower Upper

43 100

58 23.9 26.6 39.8#



#20

Methylene Chloride

Concen: 10.630 ug/l

RT: 4.747 min Scan# 480

Delta R.T. 0.019 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

Tgt Ion: 84 Resp: 11415

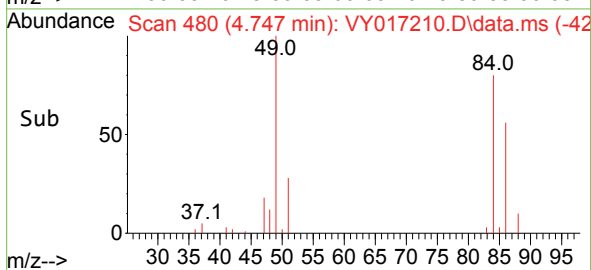
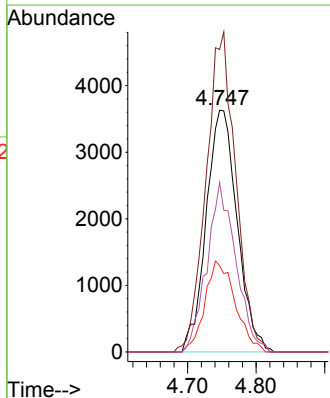
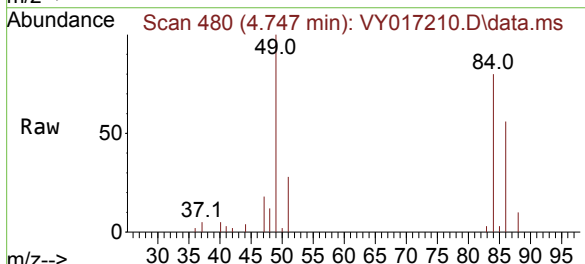
Ion Ratio Lower Upper

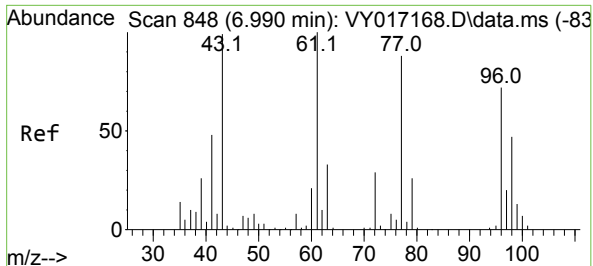
84 100

49 125.1 95.2 142.8

51 35.6 29.9 44.9

86 70.1 52.2 78.4





#25

2-Butanone

Concen: 1.192 ug/l

RT: 7.015 min Scan# 81

Delta R.T. 0.025 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

Instrument :

MSVOA_Y

ClientSampleId :

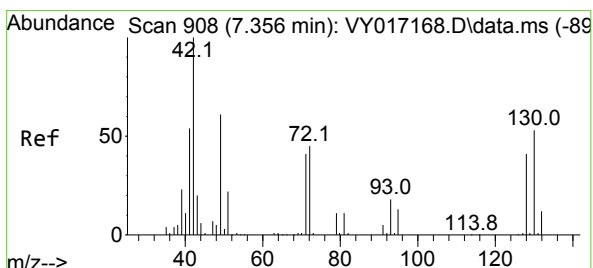
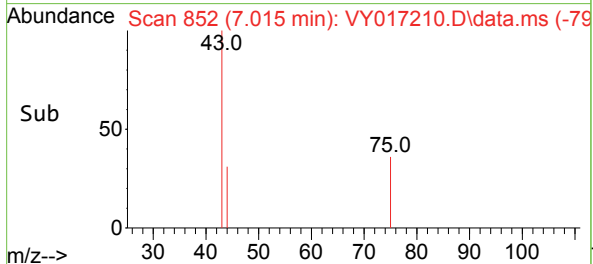
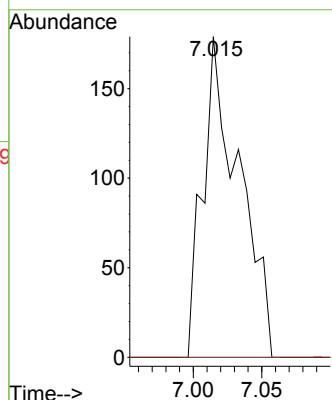
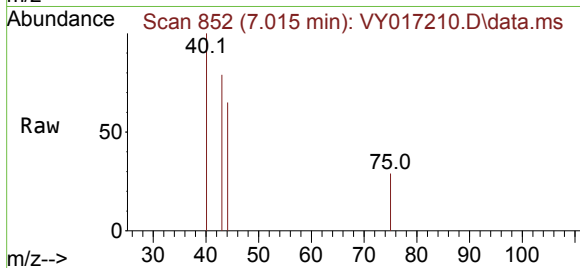
WC-N-GRAB

Tgt Ion: 43 Resp: 330

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#29

Tetrahydrofuran

Concen: 1.388 ug/l

RT: 7.374 min Scan# 911

Delta R.T. 0.019 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

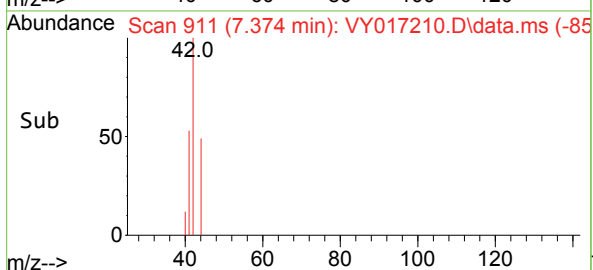
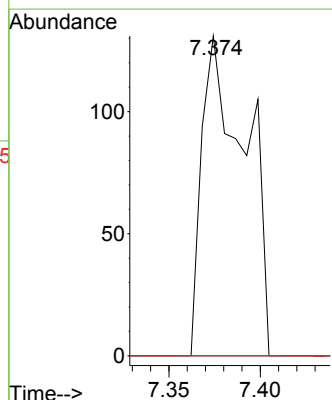
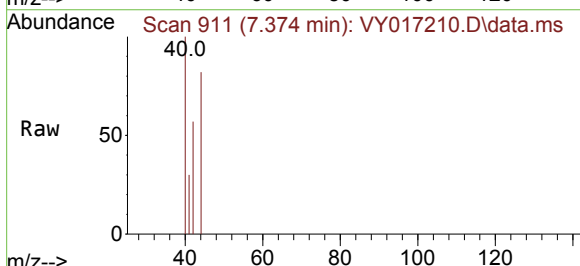
Tgt Ion: 42 Resp: 217

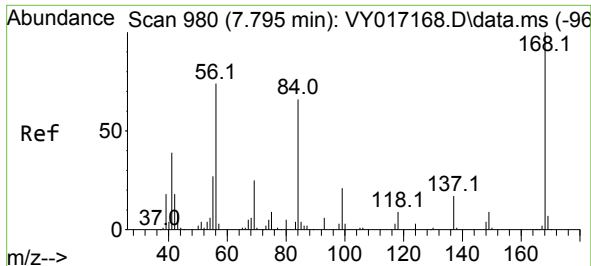
Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

71 0.0 33.8 50.6#

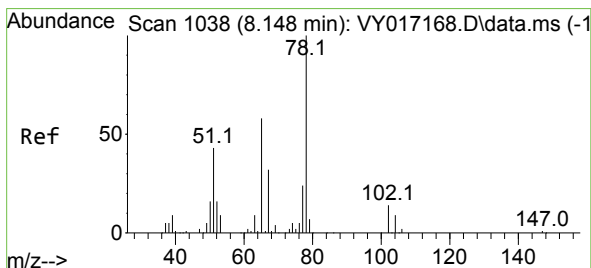
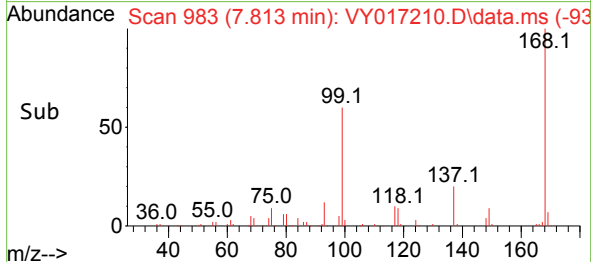
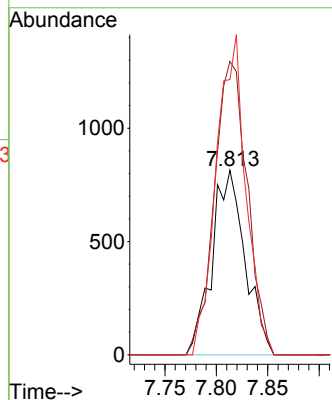
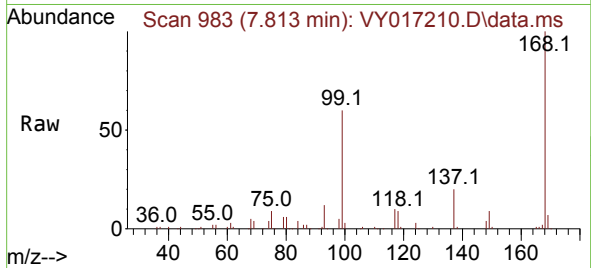




#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.019 min
Lab File: VY017210.D
Acq: 03 Feb 2024 02:55

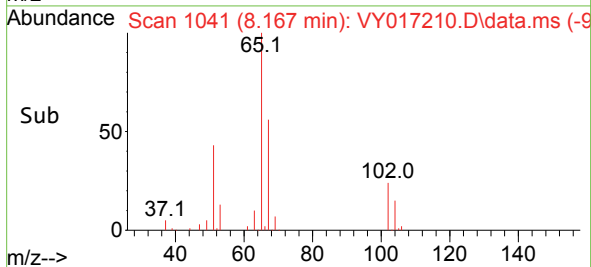
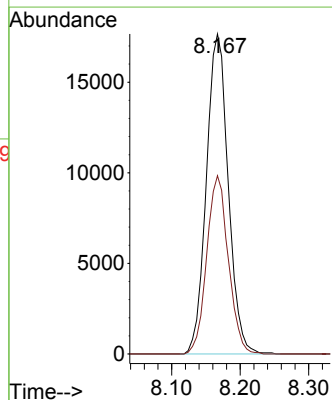
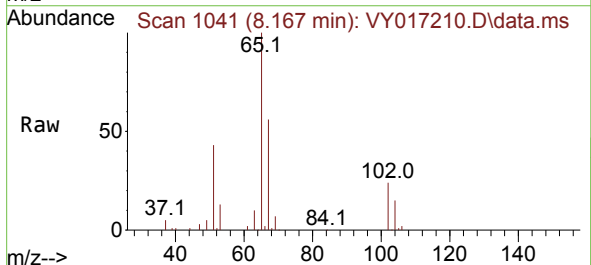
Instrument :
MSVOA_Y
ClientSampleId :
WC-N-GRAB

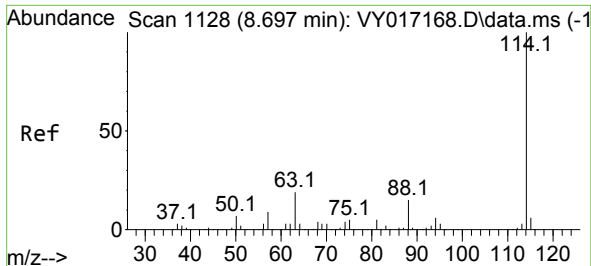
Tgt Ion: 56 Resp: 1828
Ion Ratio Lower Upper
56 100
69 159.1 27.0 40.6#
84 149.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 55.302 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.019 min
Lab File: VY017210.D
Acq: 03 Feb 2024 02:55

Tgt Ion: 65 Resp: 39170
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.019 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

Instrument :

MSVOA_Y

ClientSampleId :

WC-N-GRAB

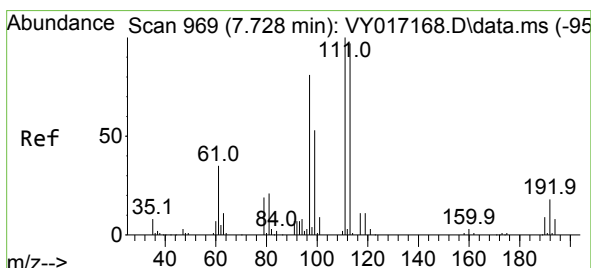
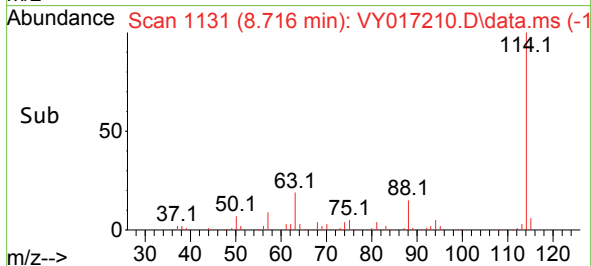
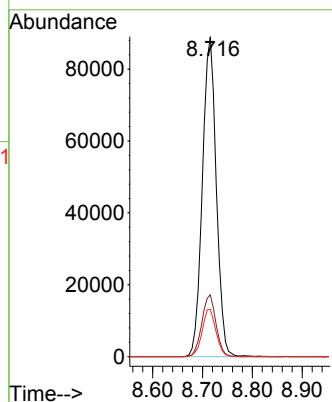
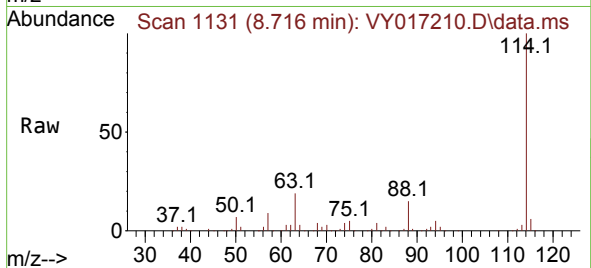
Tgt Ion:114 Resp: 172225

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 33.552 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.019 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

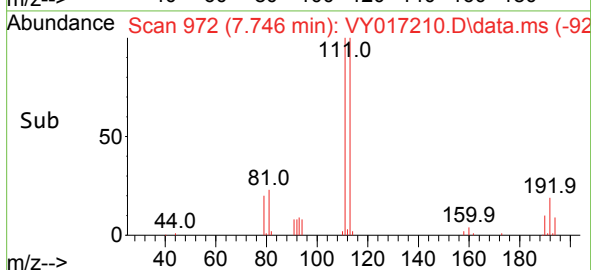
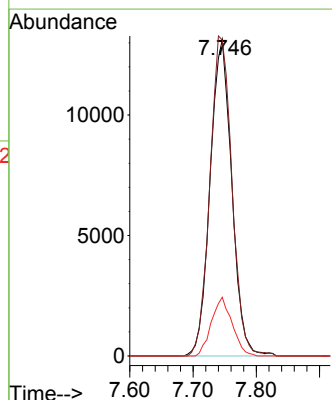
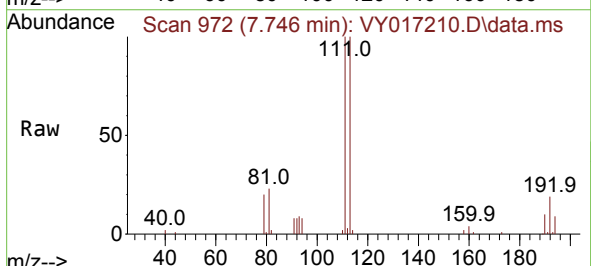
Tgt Ion:113 Resp: 31200

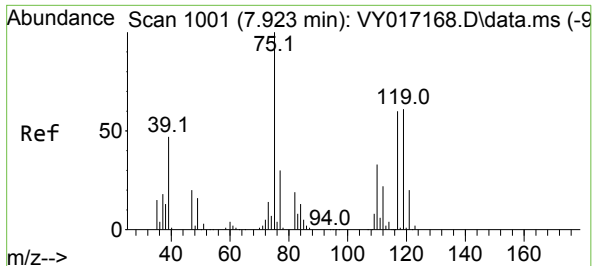
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 17.7 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.083 ug/l

RT: 7.807 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

Instrument :

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ClientSampleId :

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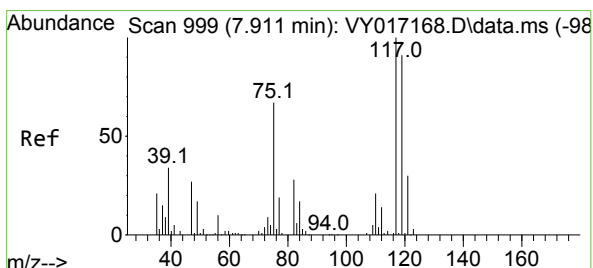
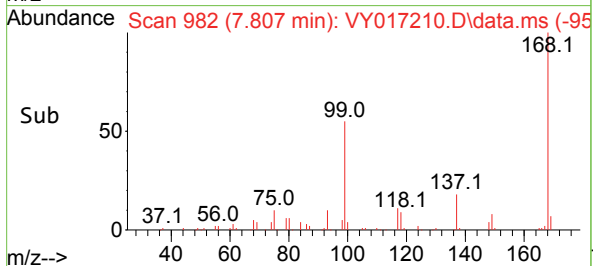
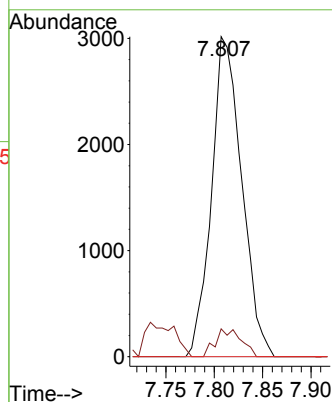
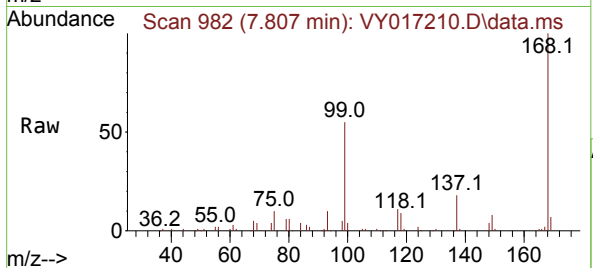
Tgt Ion: 75 Resp: 6549

Ion Ratio Lower Upper

75 100

110 7.4 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.941 ug/l

RT: 7.813 min Scan# 983

Delta R.T. -0.097 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

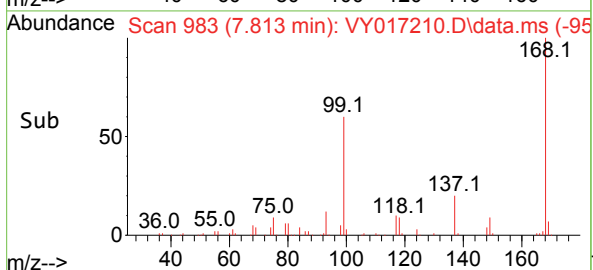
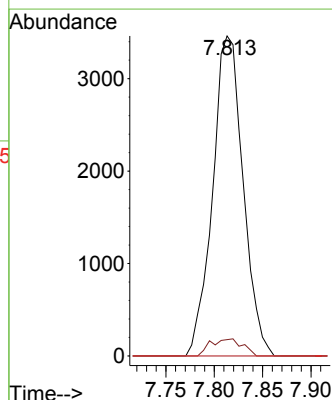
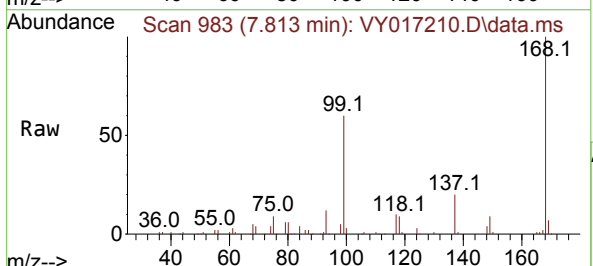
Tgt Ion: 117 Resp: 7589

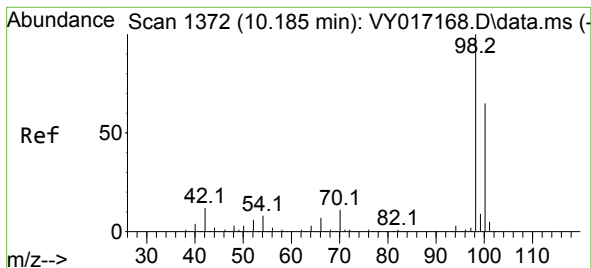
Ion Ratio Lower Upper

117 100

119 5.1 76.0 114.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 44.908 ug/l

RT: 10.203 min Scan# 1

Delta R.T. 0.019 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

Instrument :

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ClientSampleId :

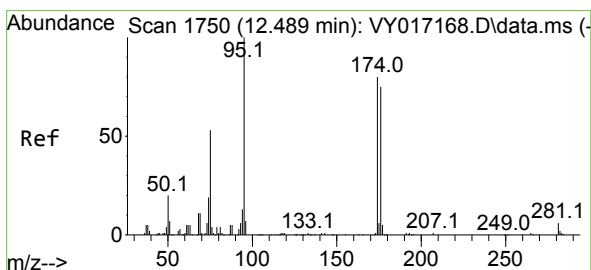
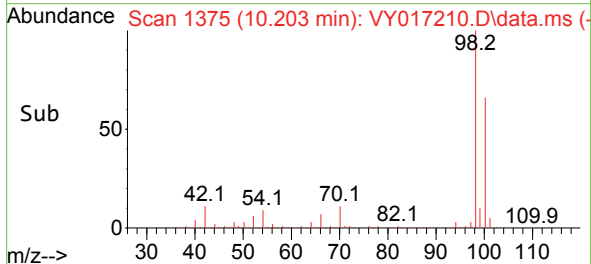
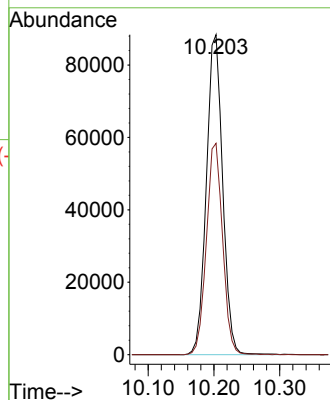
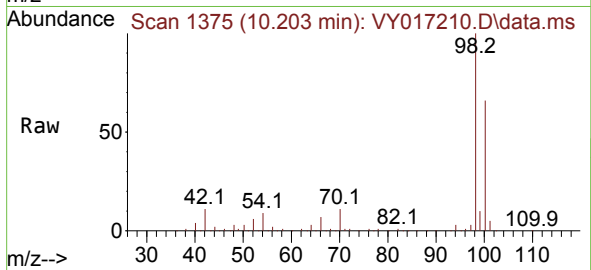
WC-N-GRAB

Tgt Ion: 98 Resp: 152045

Ion Ratio Lower Upper

98 100

100 65.8 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 48.521 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

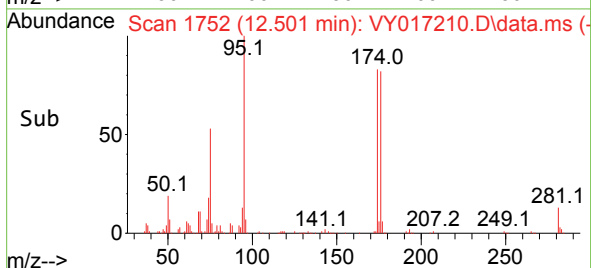
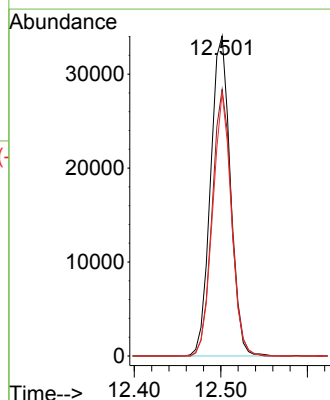
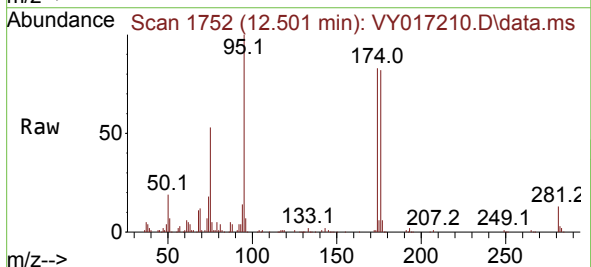
Tgt Ion: 95 Resp: 53814

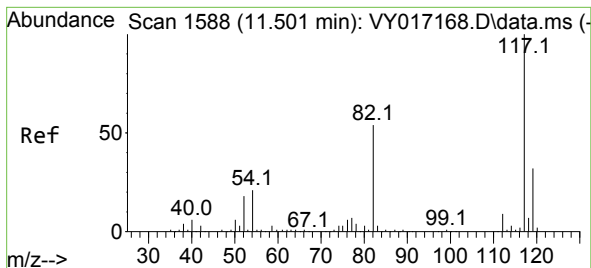
Ion Ratio Lower Upper

95 100

174 82.6 0.0 160.0

176 78.2 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

Instrument :

MSVOA_Y

ClientSampleId :

WC-N-GRAB

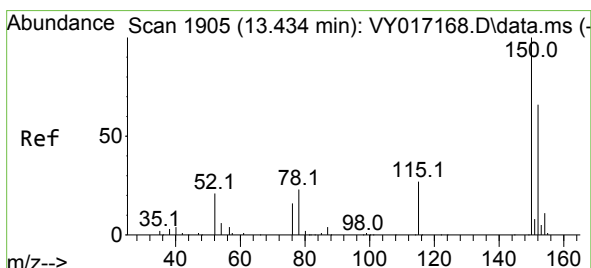
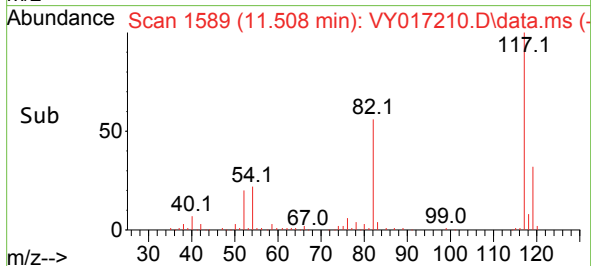
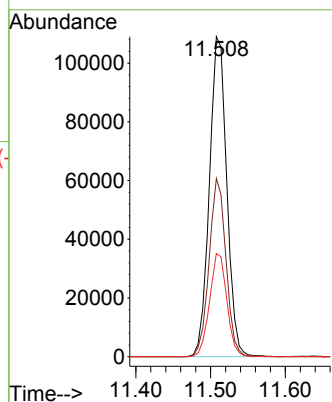
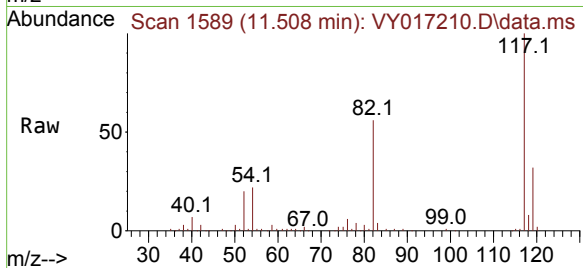
Tgt Ion:117 Resp: 175980

Ion Ratio Lower Upper

117 100

82 55.7 43.8 65.8

119 32.3 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

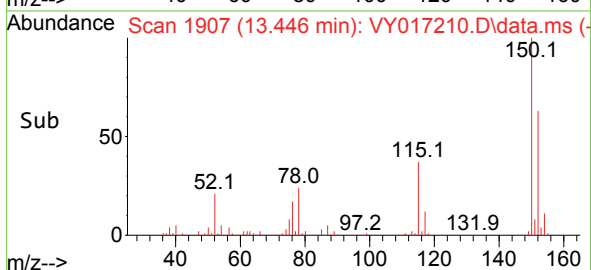
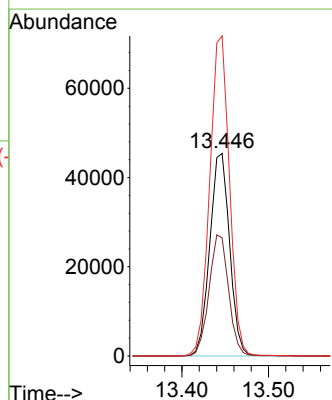
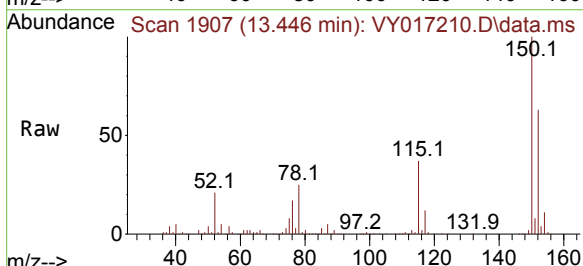
Tgt Ion:152 Resp: 72270

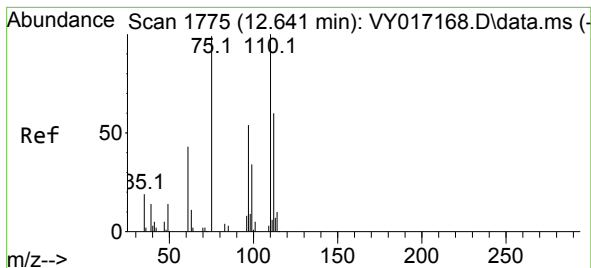
Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

150 157.0 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 41.909 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

Instrument :

MSVOA_Y

ClientSampleId :

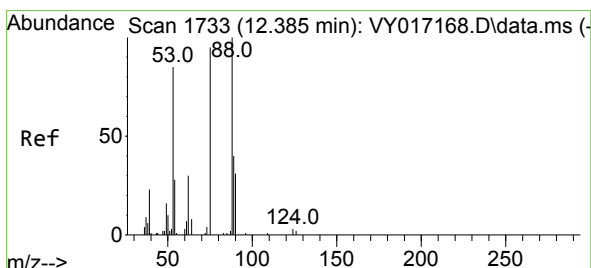
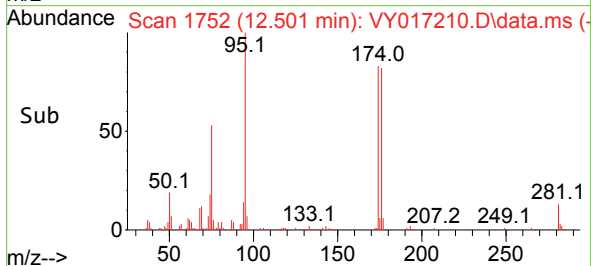
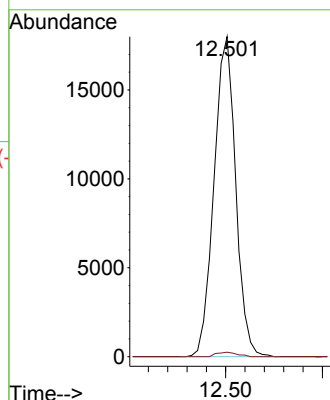
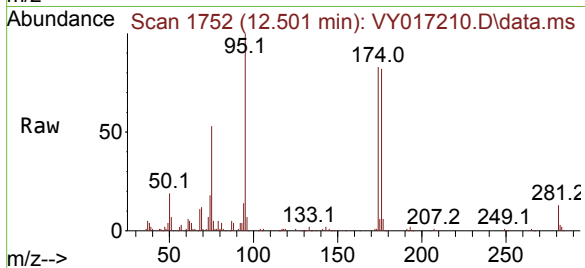
WC-N-GRAB

Tgt Ion: 75 Resp: 27955

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.081 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.116 min

Lab File: VY017210.D

Acq: 03 Feb 2024 02:55

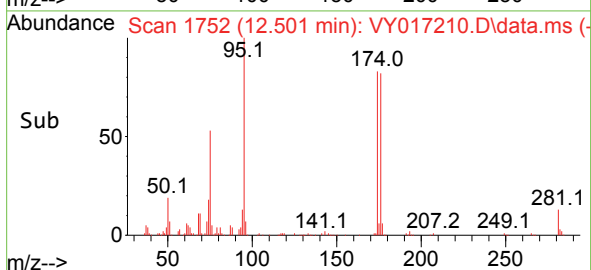
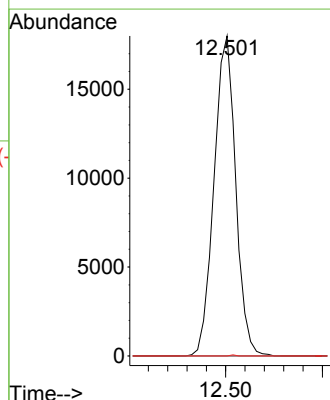
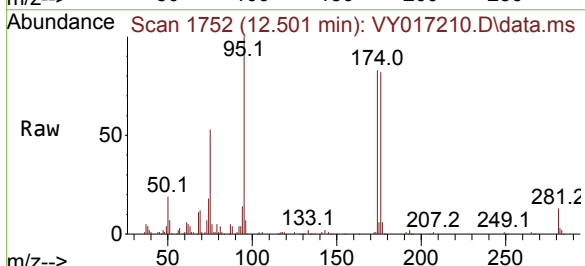
Tgt Ion: 75 Resp: 27955

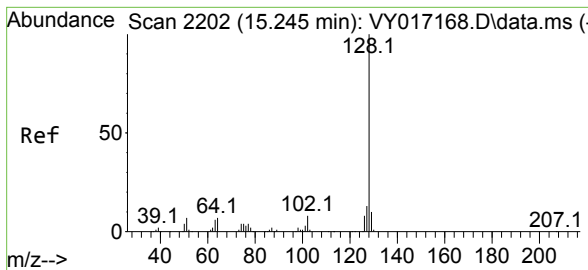
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.1 36.5 54.7#





#95
 Naphthalene
 Concen: 31.529 ug/l
 RT: 15.251 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY017210.D
 Acq: 03 Feb 2024 02:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-N-GRAB

Tgt Ion:	128	Resp:	59303
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.6	12.8

