

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051724\
 Data File : VY018310.D
 Acq On : 17 May 2024 15:58
 Operator : SY/MD
 Sample : P2513-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-14RE

Quant Time: May 18 00:51:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

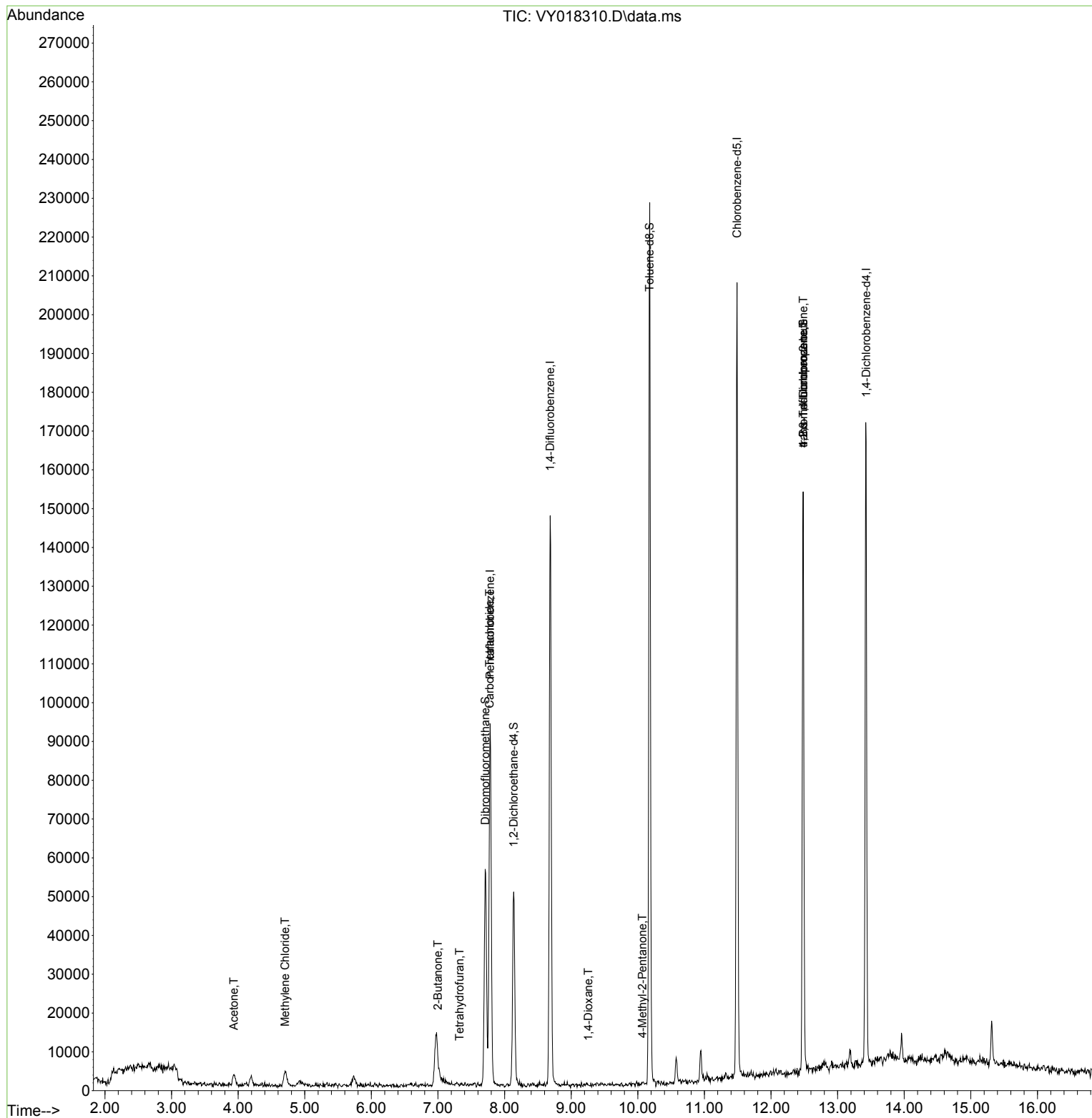
Internal Standards						
1) Pentafluorobenzene	7.782	168	71703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	133099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	114418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	42499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	37115	70.361	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.720%	
35) Dibromofluoromethane	7.709	113	39990	57.170	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.340%	
50) Toluene-d8	10.178	98	149163	54.114	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.220%	
62) 4-Bromofluorobenzene	12.483	95	45435	51.041	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	538	Below Cal	#	88
13) Acrolein	3.710	56	63	Below Cal	#	15
16) Acetone	3.936	43	4899	46.539	ug/l	95
20) Methylene Chloride	4.704	84	2823	3.794	ug/l #	80
25) 2-Butanone	6.996	43	930	5.527	ug/l #	71
29) Tetrahydrofuran	7.325	42	208	1.873	ug/l #	33
31) Cyclohexane	7.776	56	1894	Below Cal	#	27
38) Carbon Tetrachloride	7.776	117	7412	6.765	ug/l #	18
49) 1,4-Dioxane	9.258	88	25	4.646	ug/l #	1
51) 4-Methyl-2-Pentanone	10.069	43	686	1.578	ug/l #	50
76) 1,2,3-Trichloropropane	12.483	75	23072	67.824	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	23072	130.673	ug/l #	17

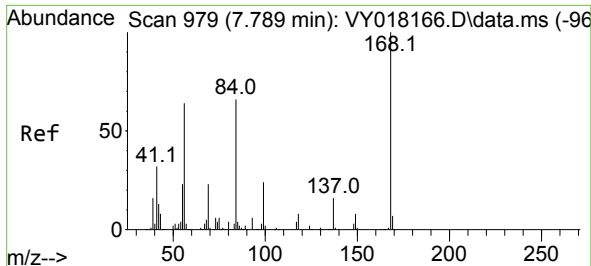
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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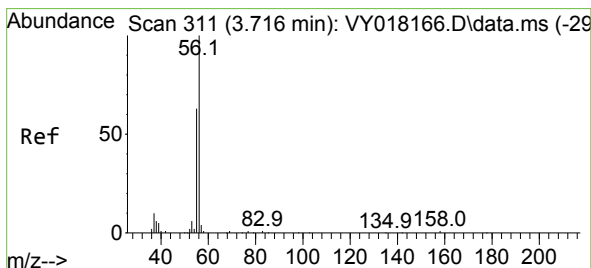
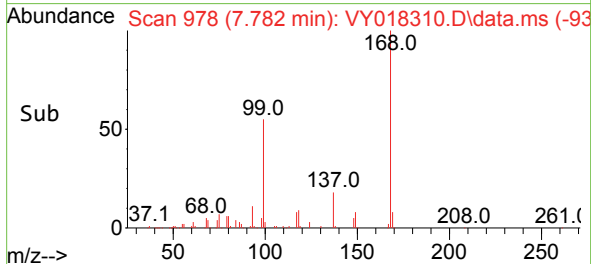
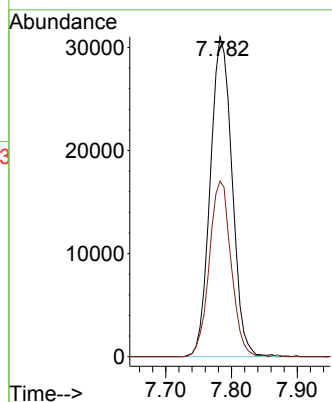
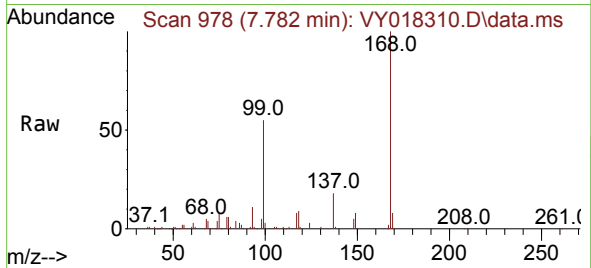




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY018310.D
Acq: 17 May 2024 15:58

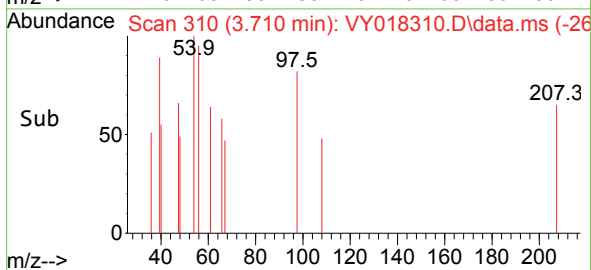
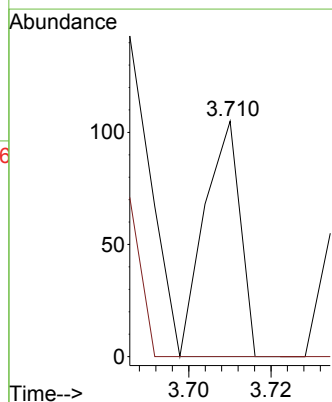
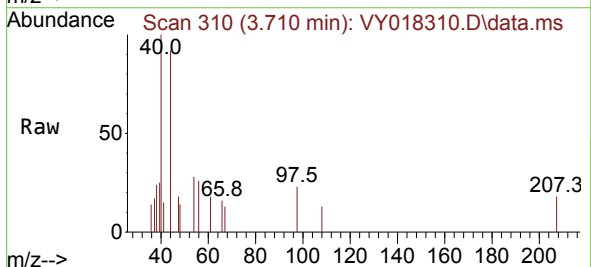
Instrument :
MSVOA_Y
ClientSampleId :
TP-14RE

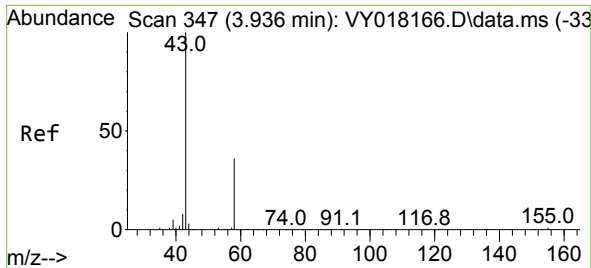
Tgt Ion:168 Resp: 71703
Ion Ratio Lower Upper
168 100
99 54.9 39.1 58.7



#13
Acrolein
Concen: Below Cal
RT: 3.710 min Scan# 310
Delta R.T. -0.006 min
Lab File: VY018310.D
Acq: 17 May 2024 15:58

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#

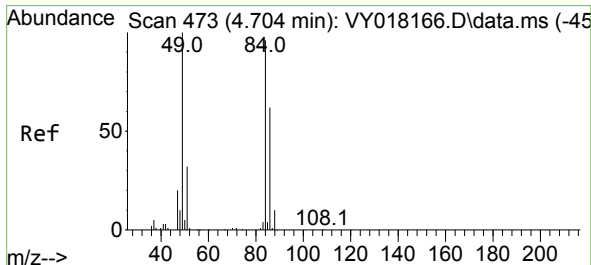
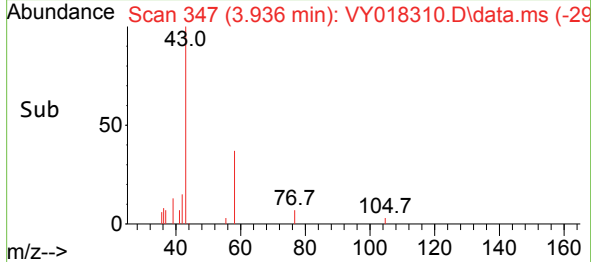
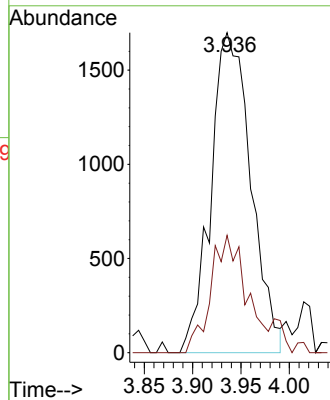
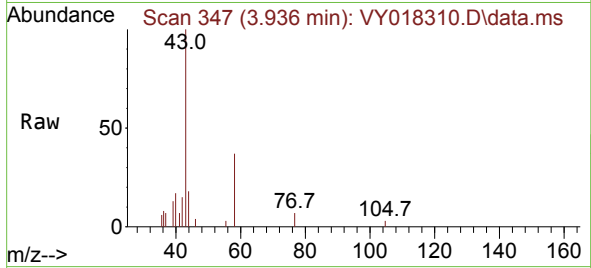




#16
Acetone
Concen: 46.539 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY018310.D
Acq: 17 May 2024 15:58

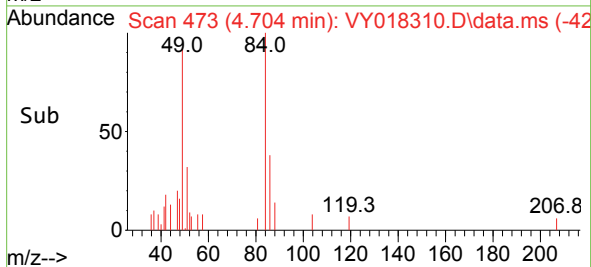
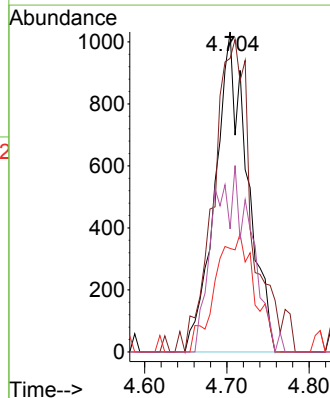
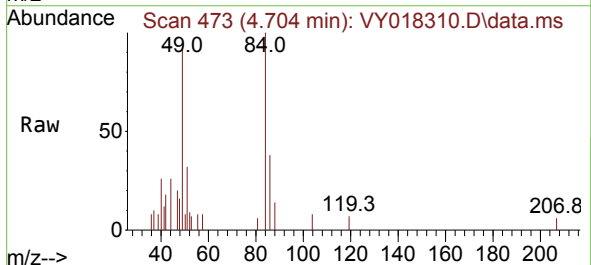
Instrument :
MSVOA_Y
ClientSampleId :
TP-14RE

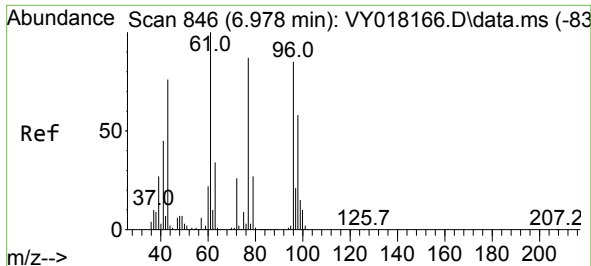
Tgt Ion: 43 Resp: 4899
Ion Ratio Lower Upper
43 100
58 36.7 31.7 47.5



#20
Methylene Chloride
Concen: 3.794 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.000 min
Lab File: VY018310.D
Acq: 17 May 2024 15:58

Tgt Ion: 84 Resp: 2823
Ion Ratio Lower Upper
84 100
49 85.8 84.4 126.6
51 32.4 26.0 39.0
86 38.5 49.5 74.3#





#25

2-Butanone

Concen: 5.527 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.018 min

Lab File: VY018310.D

Acq: 17 May 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

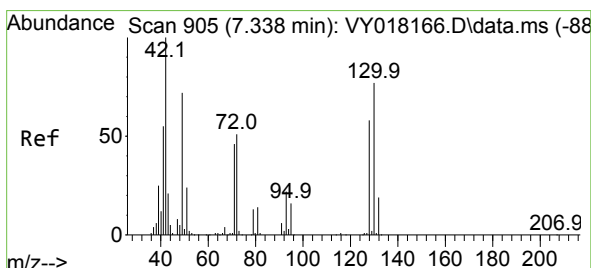
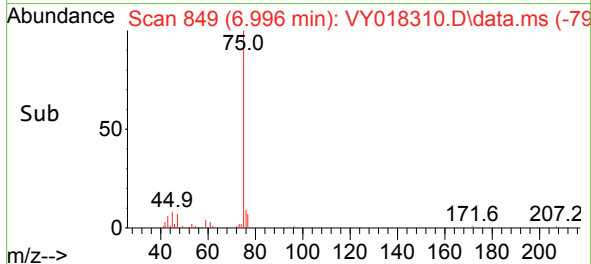
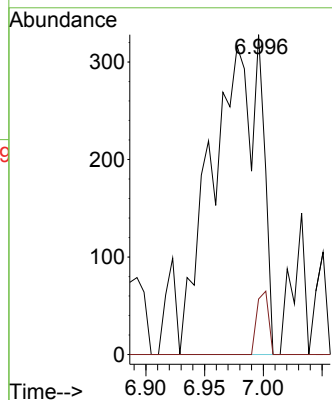
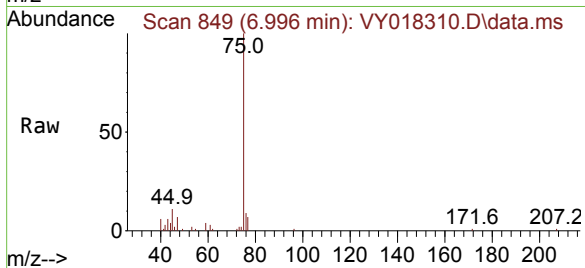
TP-14RE

Tgt Ion: 43 Resp: 930

Ion Ratio Lower Upper

43 100

72 17.4 27.3 40.9#



#29

Tetrahydrofuran

Concen: 1.873 ug/l

RT: 7.325 min Scan# 903

Delta R.T. -0.013 min

Lab File: VY018310.D

Acq: 17 May 2024 15:58

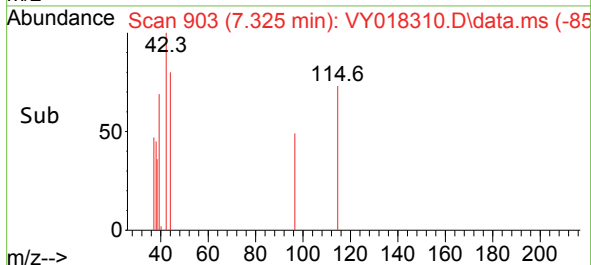
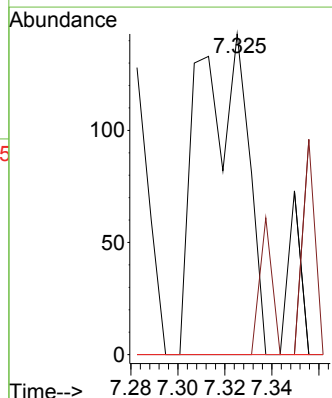
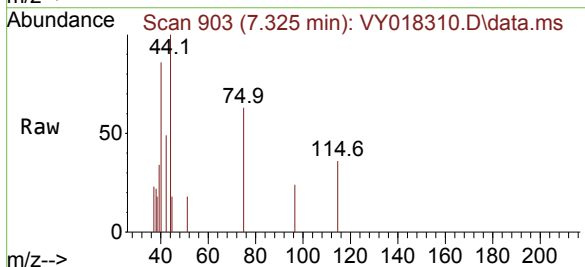
Tgt Ion: 42 Resp: 208

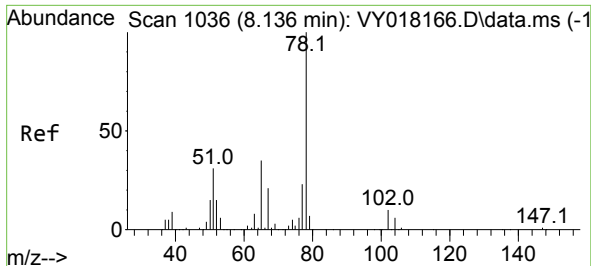
Ion Ratio Lower Upper

42 100

72 10.6 43.0 64.4#

71 0.0 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 70.361 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY018310.D

Acq: 17 May 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

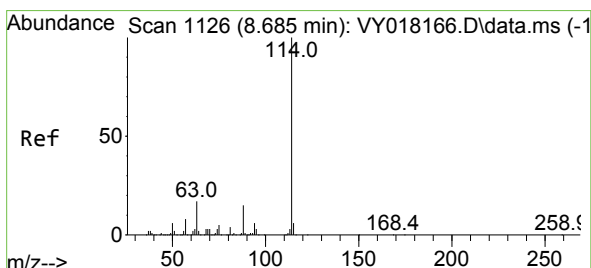
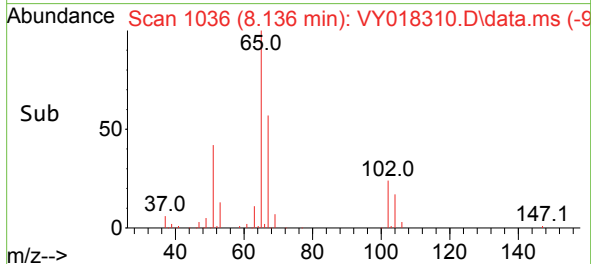
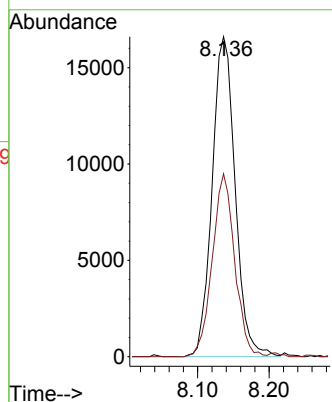
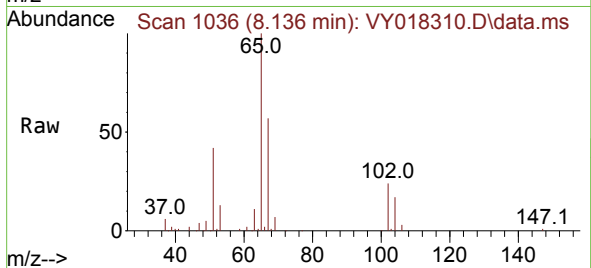
TP-14RE

Tgt Ion: 65 Resp: 37115

Ion Ratio Lower Upper

65 100

67 55.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY018310.D

Acq: 17 May 2024 15:58

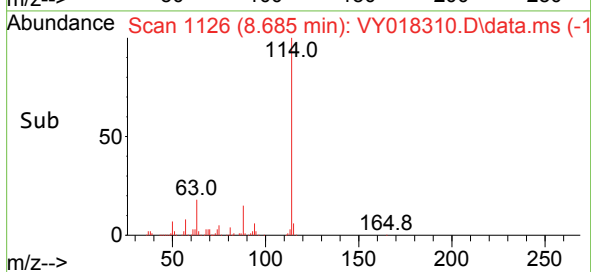
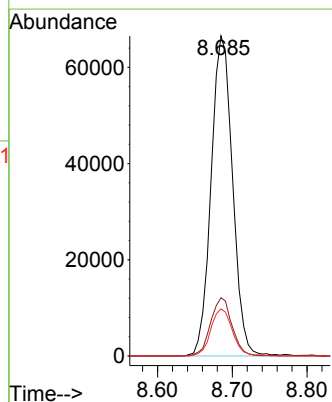
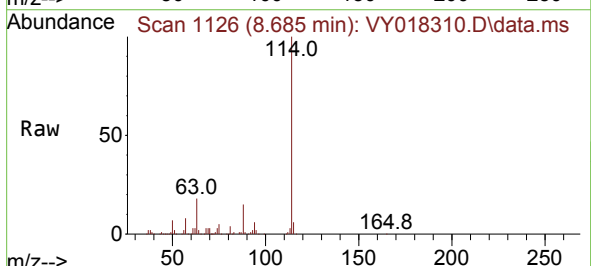
Tgt Ion: 114 Resp: 133099

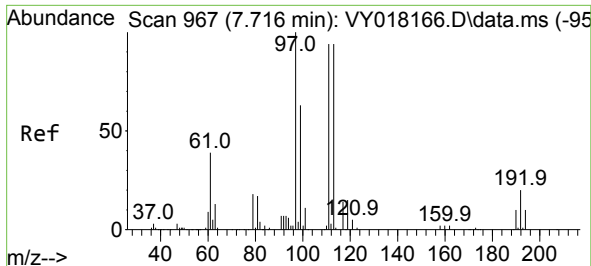
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 14.7 0.0 27.2

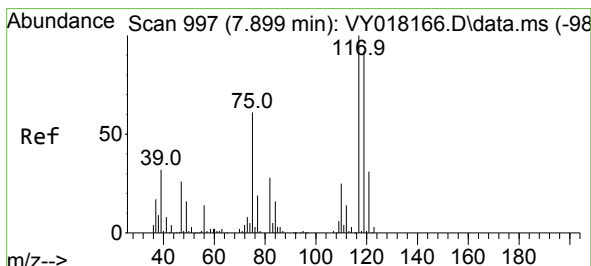
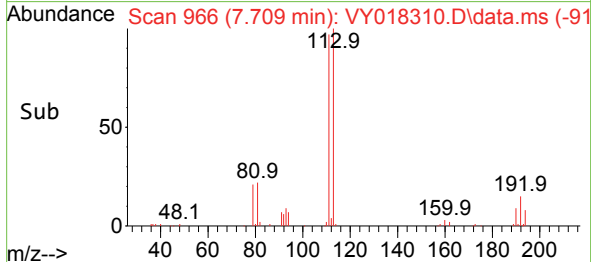
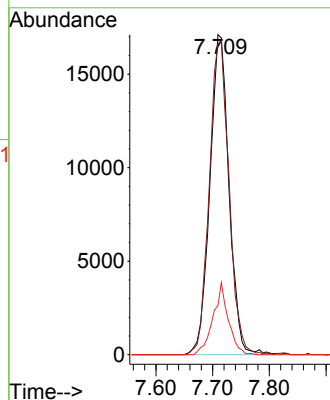
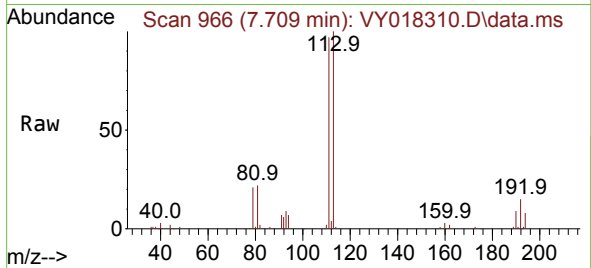




#35
Dibromofluoromethane
Concen: 57.170 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY018310.D
Acq: 17 May 2024 15:58

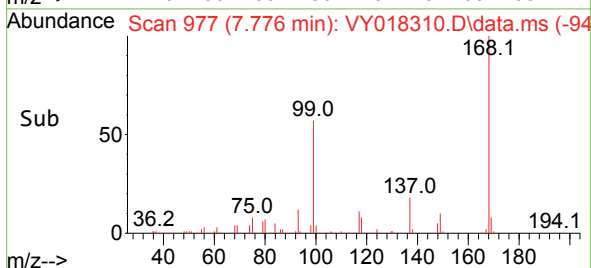
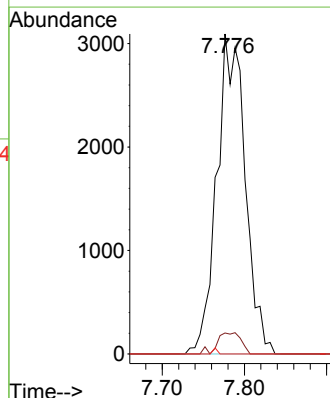
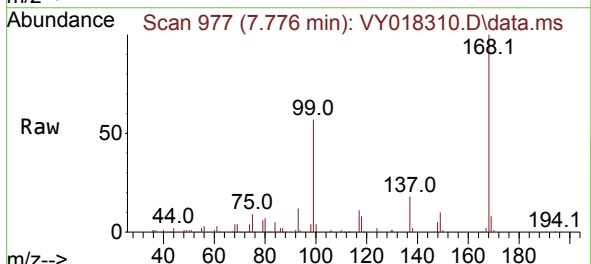
Instrument :
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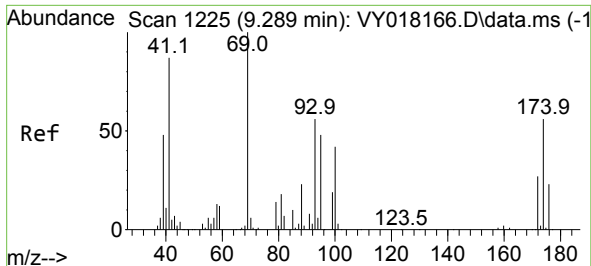
Tgt Ion:113 Resp: 39990
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.4
192 18.0 15.9 23.9



#38
Carbon Tetrachloride
Concen: 6.765 ug/l
RT: 7.776 min Scan# 977
Delta R.T. -0.122 min
Lab File: VY018310.D
Acq: 17 May 2024 15:58

Tgt Ion:117 Resp: 7412
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.6#
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 4.646 ug/l

RT: 9.258 min Scan# 1225

Delta R.T. -0.031 min

Lab File: VY018310.D

Acq: 17 May 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-14RE

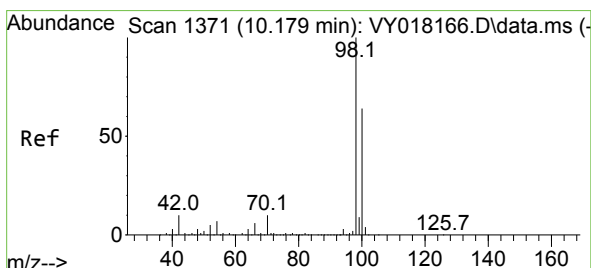
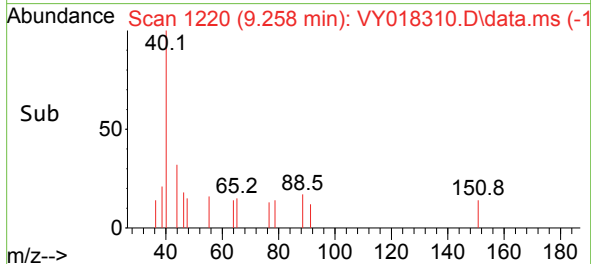
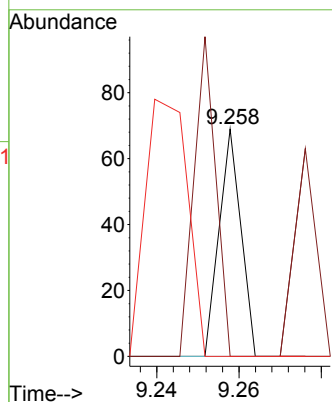
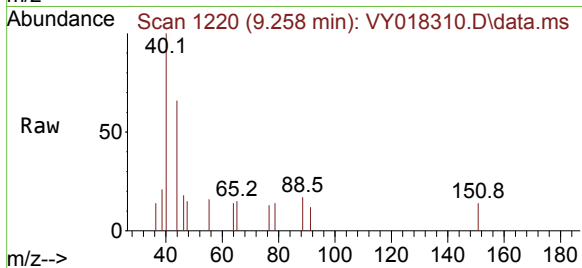
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 144.0 0.0 0.0#

58 224.0 49.3 73.9#



#50

Toluene-d8

Concen: 54.114 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018310.D

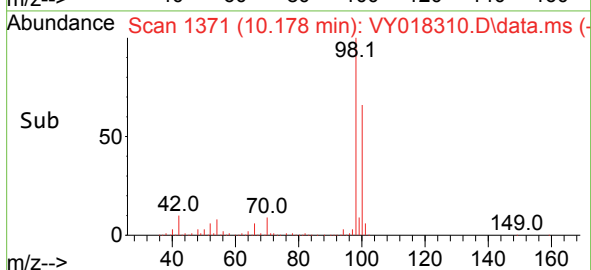
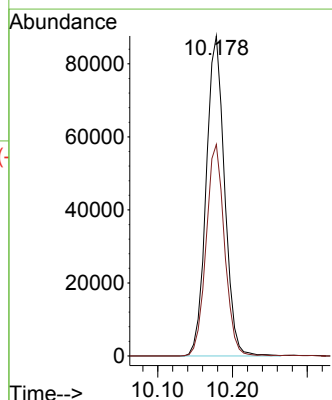
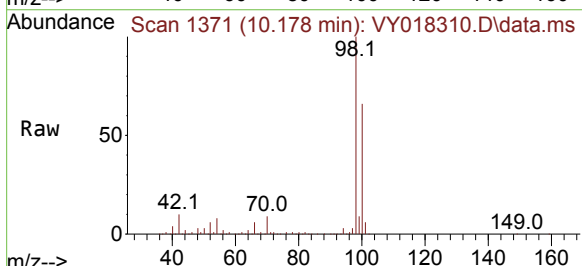
Acq: 17 May 2024 15:58

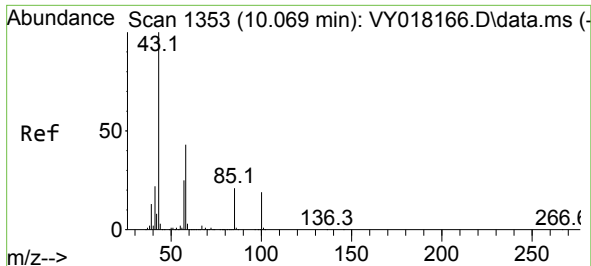
Tgt Ion: 98 Resp: 149163

Ion Ratio Lower Upper

98 100

100 66.3 52.0 78.0

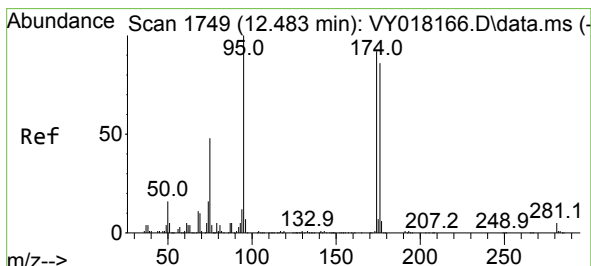
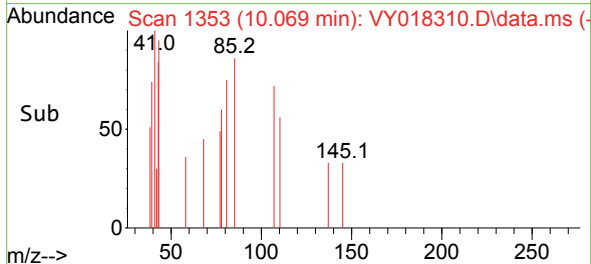
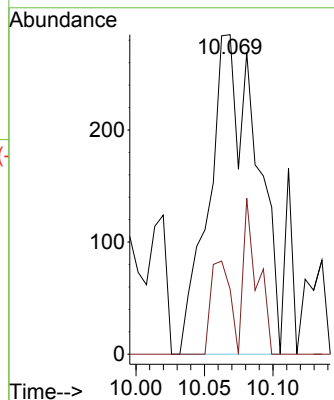
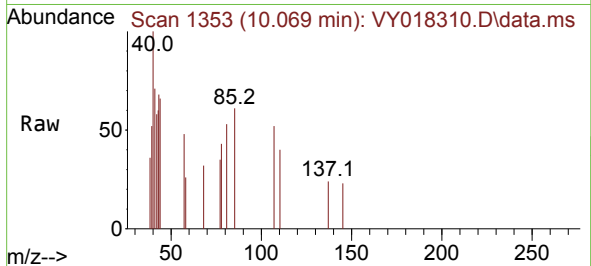




#51
4-Methyl-2-Pentanone
Concen: 1.578 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018310.D
Acq: 17 May 2024 15:58

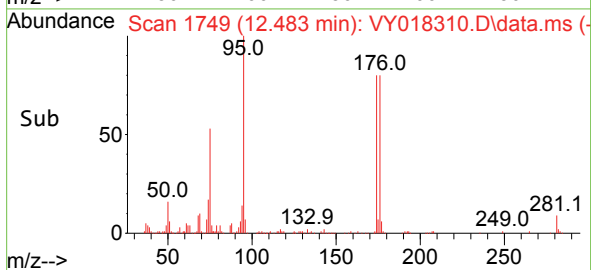
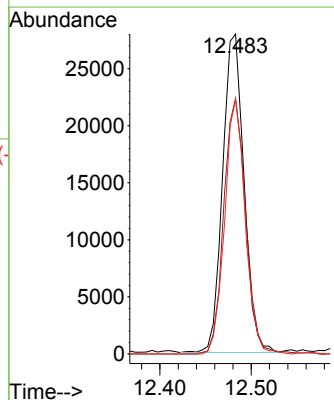
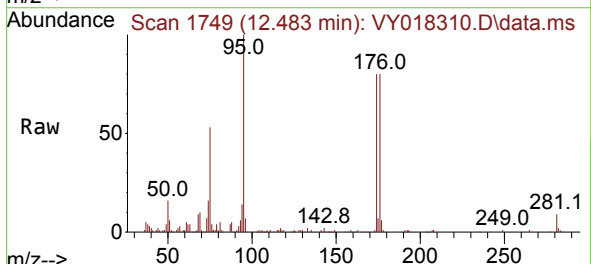
Instrument :
MSVOA_Y
ClientSampleId :
TP-14RE

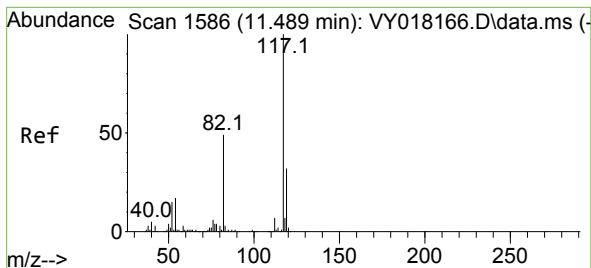
Tgt Ion: 43 Resp: 686
Ion Ratio Lower Upper
43 100
58 11.8 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 51.041 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY018310.D
Acq: 17 May 2024 15:58

Tgt Ion: 95 Resp: 45435
Ion Ratio Lower Upper
95 100
174 82.4 0.0 175.6
176 76.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018310.D

Acq: 17 May 2024 15:58

Instrument :

MSVOA_Y

ClientSampleId :

TP-14RE

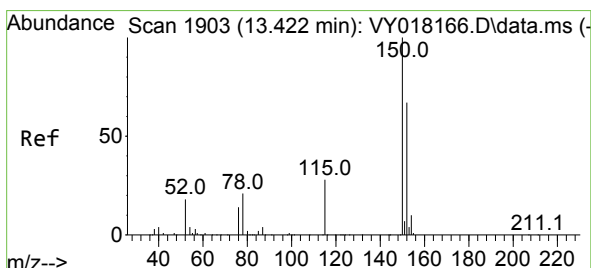
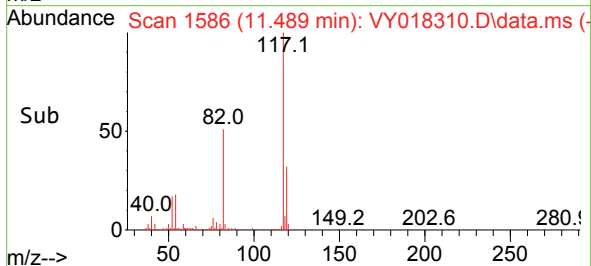
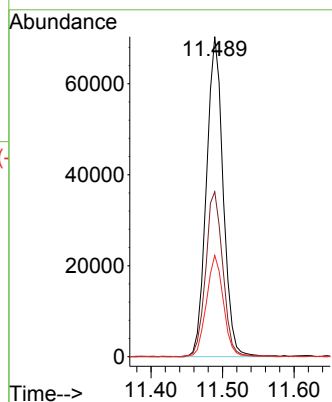
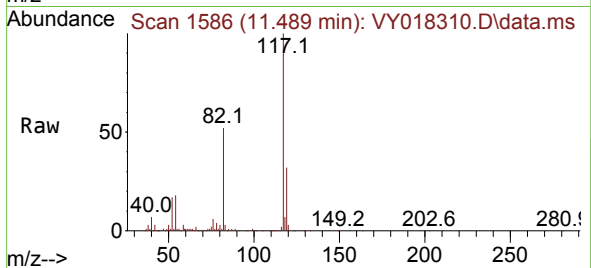
Tgt Ion:117 Resp: 114418

Ion Ratio Lower Upper

117 100

82 51.5 42.4 63.6

119 31.7 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY018310.D

Acq: 17 May 2024 15:58

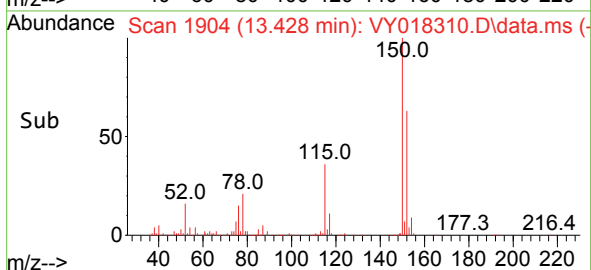
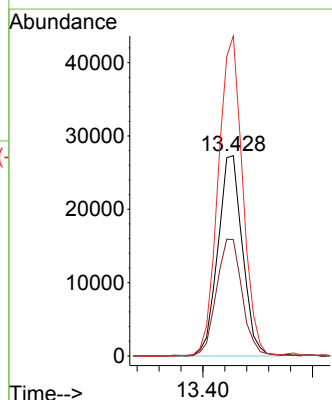
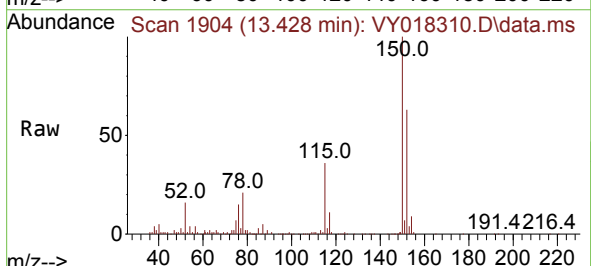
Tgt Ion:152 Resp: 42499

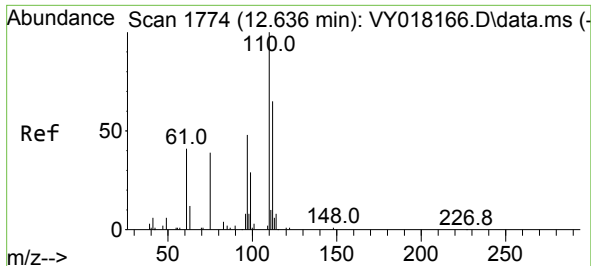
Ion Ratio Lower Upper

152 100

115 61.2 28.2 84.7

150 159.2 0.0 345.6

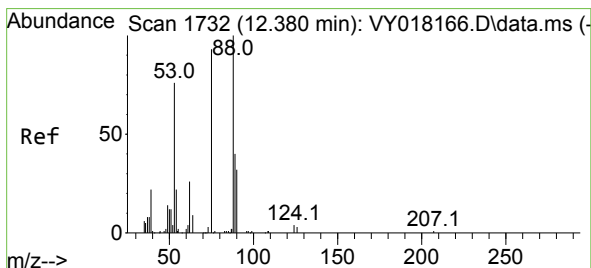
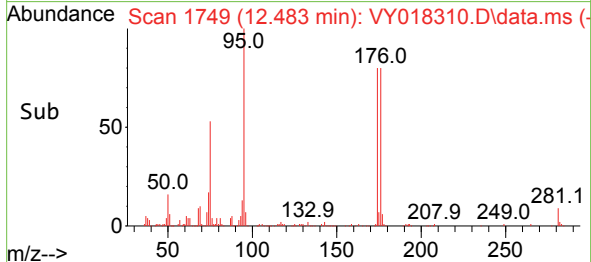
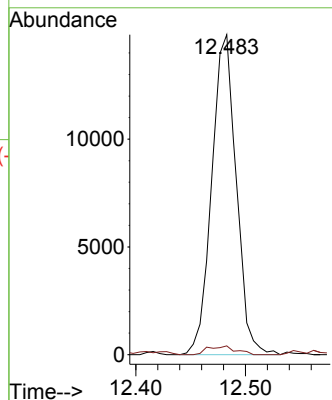
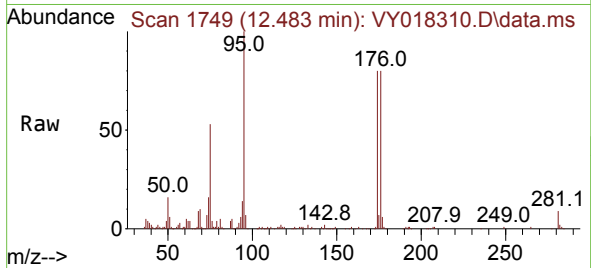




#76
1,2,3-Trichloropropane
Concen: 67.824 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY018310.D
Acq: 17 May 2024 15:58

Instrument :
MSVOA_Y
ClientSampleId :
TP-14RE

Tgt Ion: 75 Resp: 23072
Ion Ratio Lower Upper
75 100
77 3.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.673 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY018310.D
Acq: 17 May 2024 15:58

Tgt Ion: 75 Resp: 23072
Ion Ratio Lower Upper
75 100
53 0.5 66.8 100.2#
89 0.6 35.8 53.6#

