

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030624\
 Data File : VY017594.D
 Acq On : 06 Mar 2024 17:02
 Operator : SY/MD
 Sample : P1688-03
 Misc : 4.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-3

Quant Time: Mar 07 02:09:32 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)

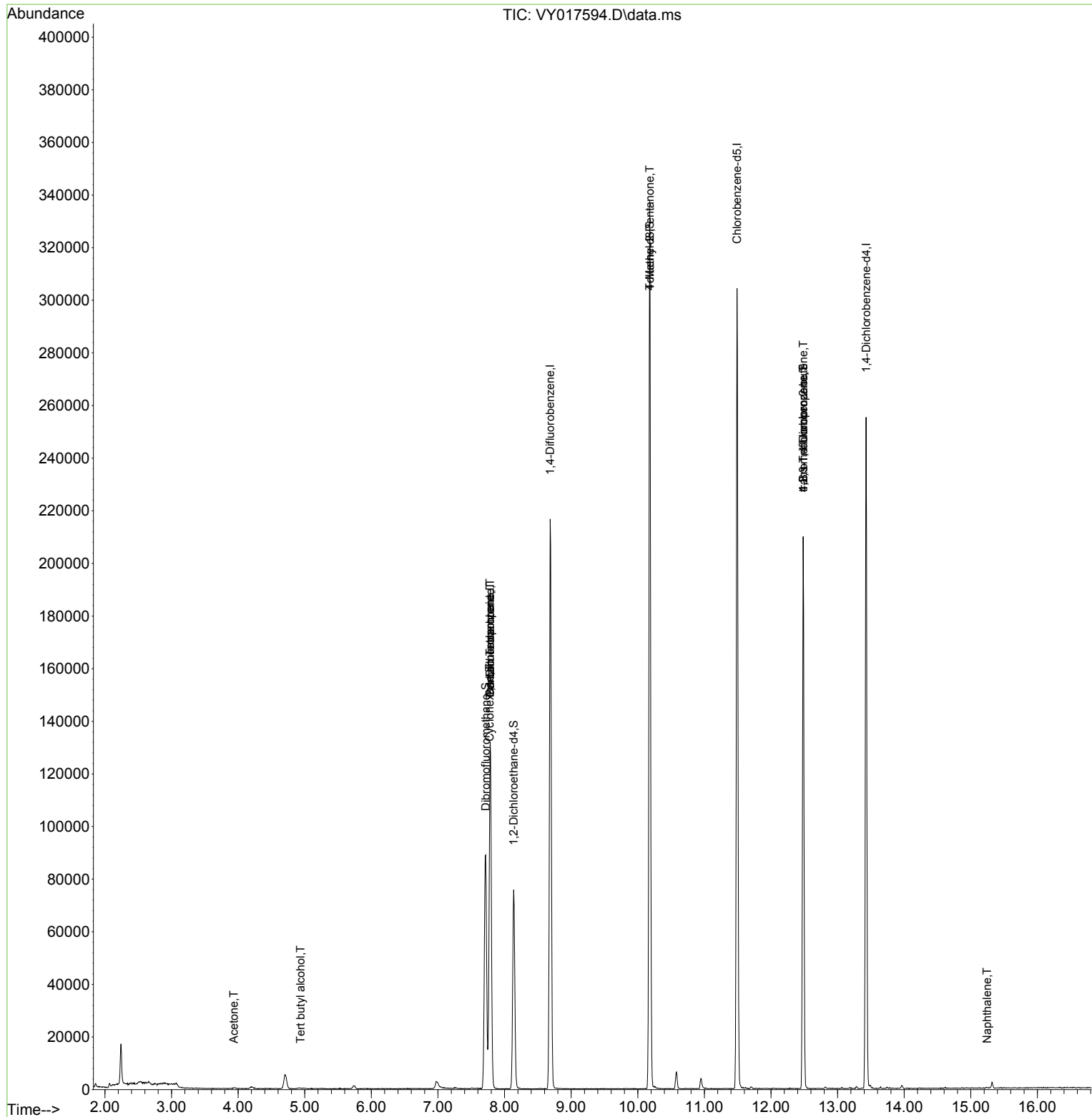
Internal Standards						
1) Pentafluorobenzene	7.783	168	109294	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	197606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	177357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	56491	54.538	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.080%
35) Dibromofluoromethane	7.716	113	65514	47.578	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.160%
50) Toluene-d8	10.179	98	225103	46.756	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.520%
62) 4-Bromofluorobenzene	12.483	95	60295	39.850	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.700%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.936	59	118	1.341	ug/l #	88
16) Acetone	3.936	43	613	3.051	ug/l #	36
20) Methylene Chloride	4.704	84	4467	Below Cal		92
31) Cyclohexane	7.777	56	1986	1.178	ug/l #	12
36) 1,1-Dichloropropene	7.783	75	7978	4.294	ug/l #	48
38) Carbon Tetrachloride	7.783	117	10048	5.396	ug/l #	17
51) 4-Methyl-2-Pentanone	10.179	43	763	1.062	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	30112	45.862	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	30112	105.381	ug/l #	16
95) Naphthalene	15.245	128	341	4.060	ug/l #	69

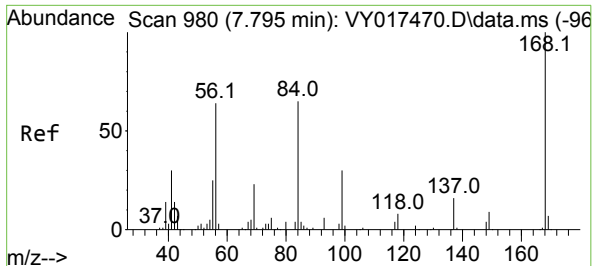
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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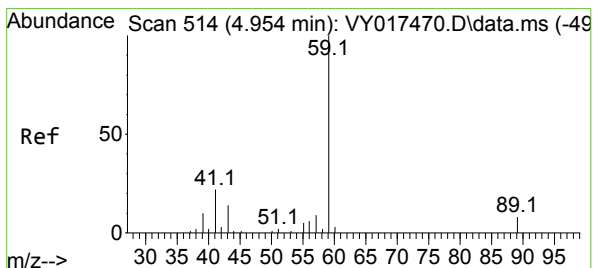
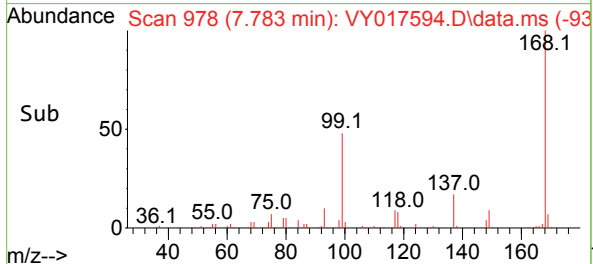
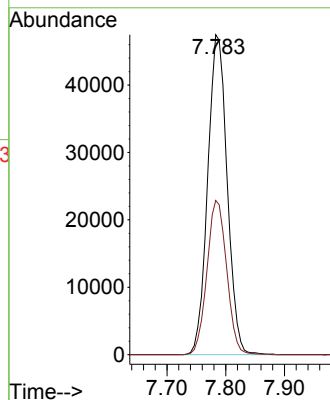
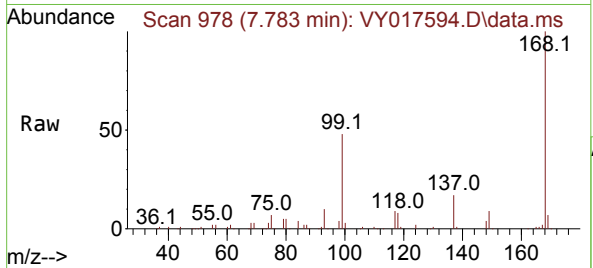




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017594.D
Acq: 06 Mar 2024 17:02

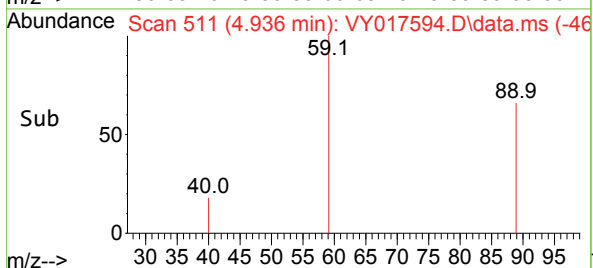
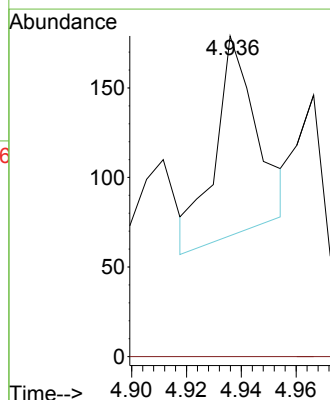
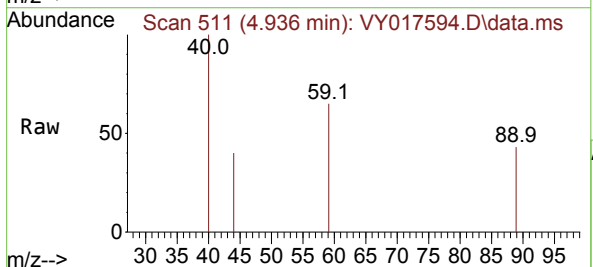
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

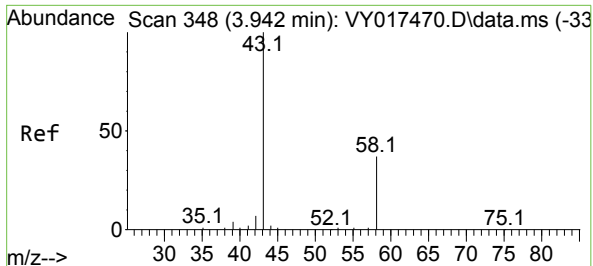
Tgt Ion:168 Resp: 109294
Ion Ratio Lower Upper
168 100
99 48.2 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.341 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY017594.D
Acq: 06 Mar 2024 17:02

Tgt Ion: 59 Resp: 118
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 3.051 ug/l

RT: 3.936 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY017594.D

Acq: 06 Mar 2024 17:02

Instrument :

MSVOA_Y

ClientSampleId :

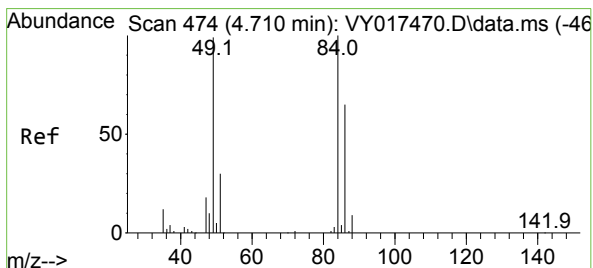
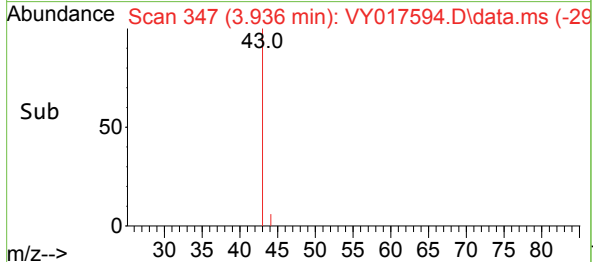
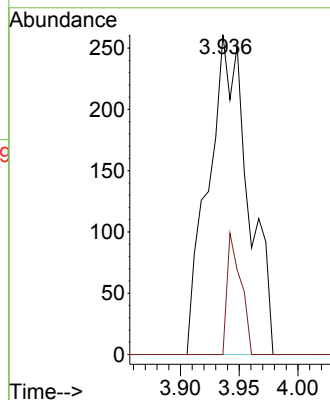
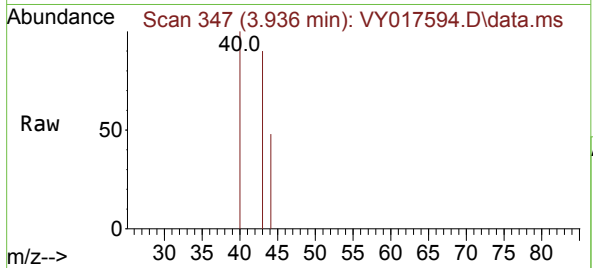
COMP-3

Tgt Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY017594.D

Acq: 06 Mar 2024 17:02

Tgt Ion: 84 Resp: 4467

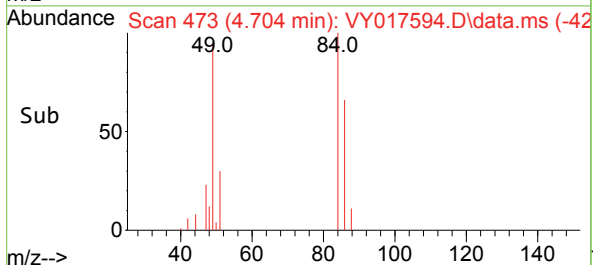
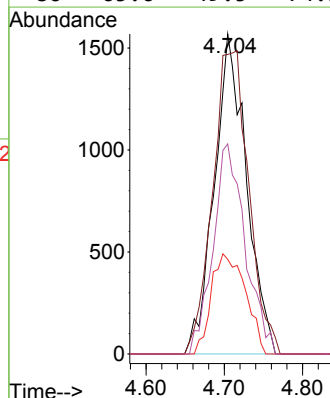
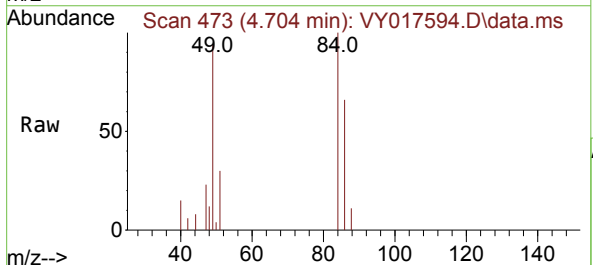
Ion Ratio Lower Upper

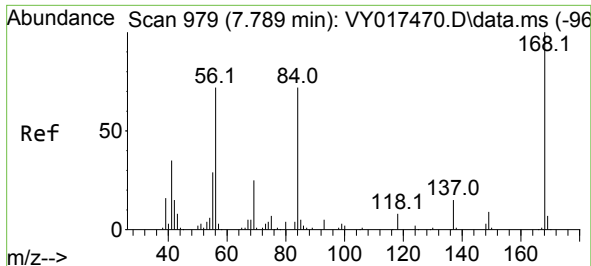
84 100

49 93.6 84.4 126.6

51 29.6 26.0 39.0

86 65.6 49.5 74.3

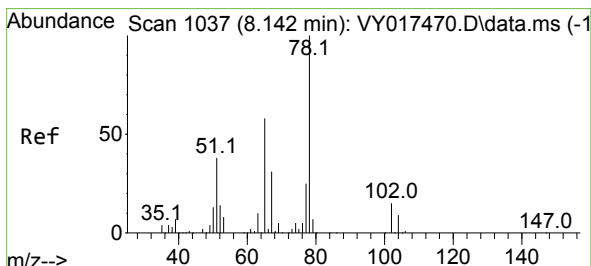
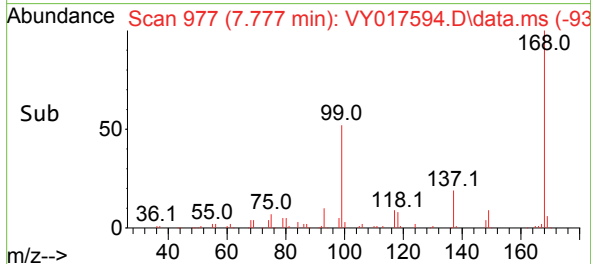
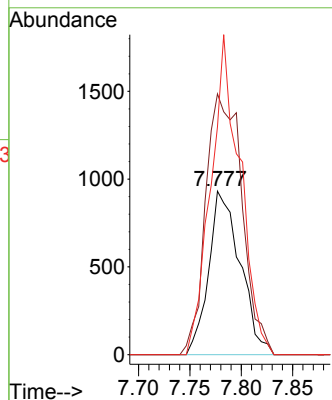
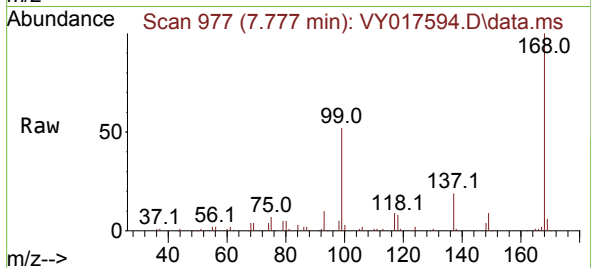




#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017594.D
Acq: 06 Mar 2024 17:02

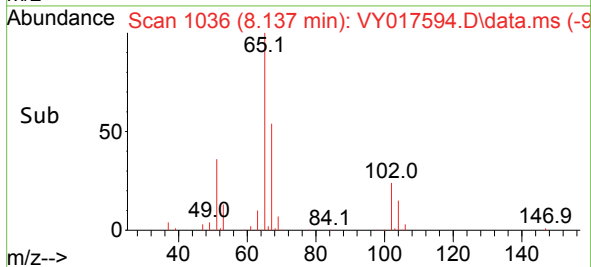
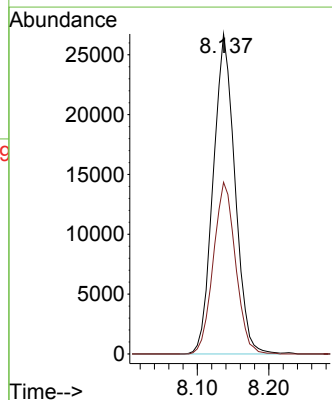
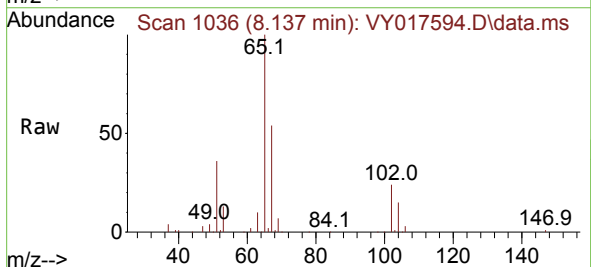
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

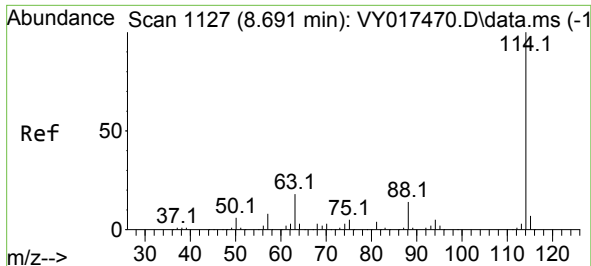
Tgt Ion: 56 Resp: 1986
Ion Ratio Lower Upper
56 100
69 159.6 28.7 43.1#
84 139.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 54.538 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY017594.D
Acq: 06 Mar 2024 17:02

Tgt Ion: 65 Resp: 56491
Ion Ratio Lower Upper
65 100
67 54.8 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: VY017594.D

Acq: 06 Mar 2024 17:02

Instrument :

MSVOA_Y

ClientSampleId :

COMP-3

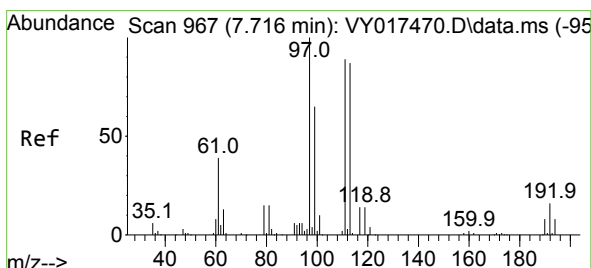
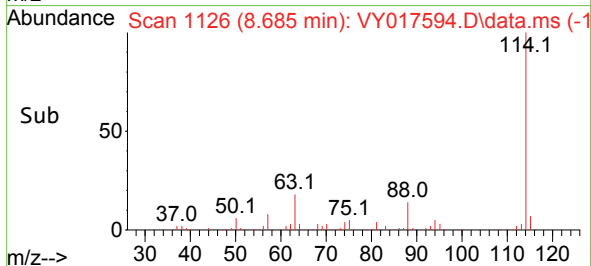
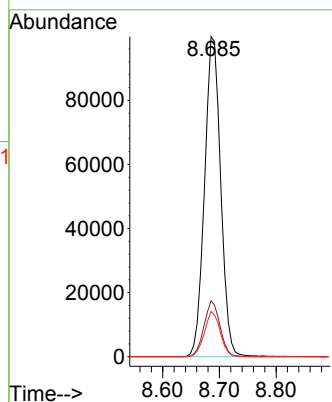
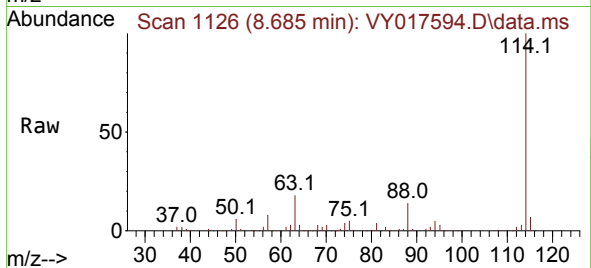
Tgt Ion:114 Resp: 197606

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 14.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.578 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY017594.D

Acq: 06 Mar 2024 17:02

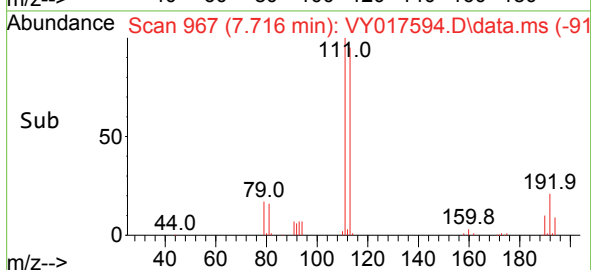
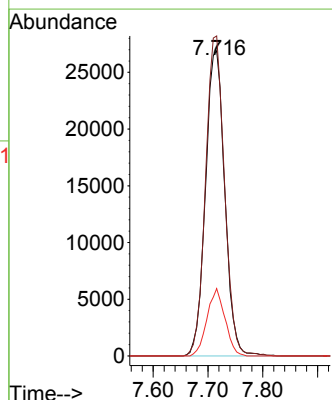
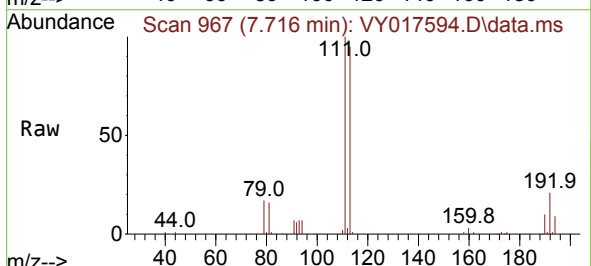
Tgt Ion:113 Resp: 65514

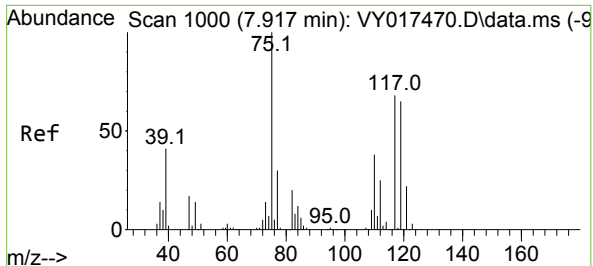
Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

192 20.7 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.294 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY017594.D

Acq: 06 Mar 2024 17:02

Instrument :

MSVOA_Y

ClientSampleId :

COMP-3

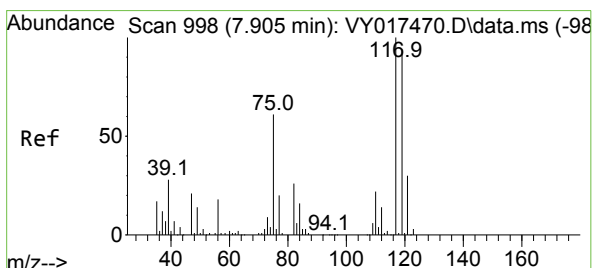
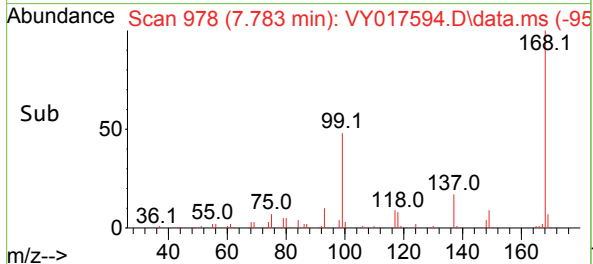
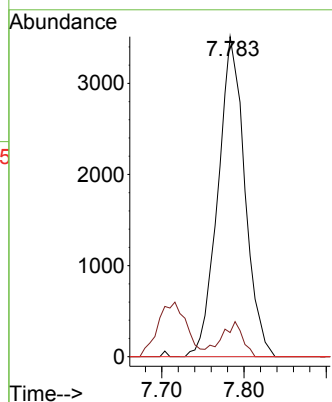
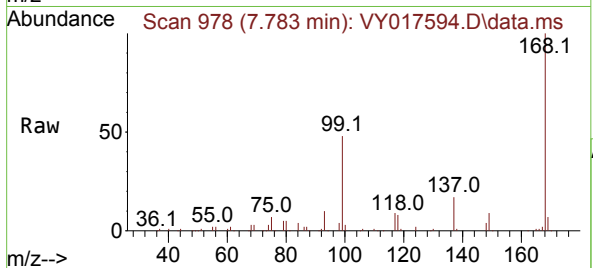
Tgt Ion: 75 Resp: 7978

Ion Ratio Lower Upper

75 100

110 8.6 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.396 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY017594.D

Acq: 06 Mar 2024 17:02

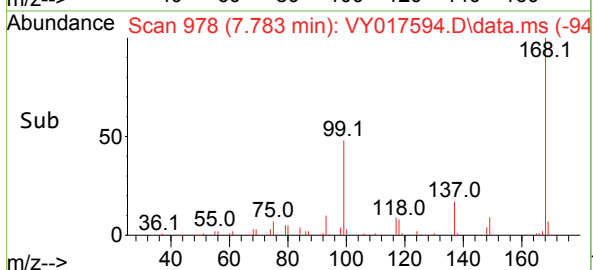
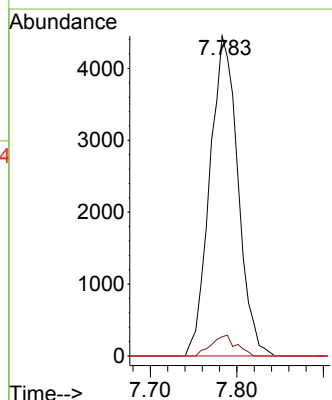
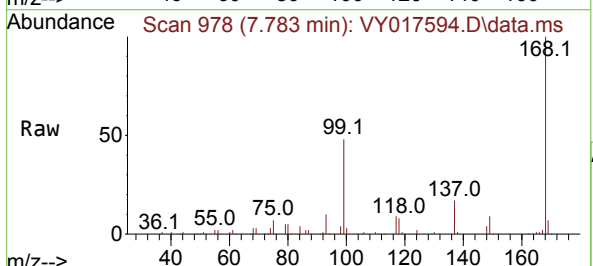
Tgt Ion: 117 Resp: 10048

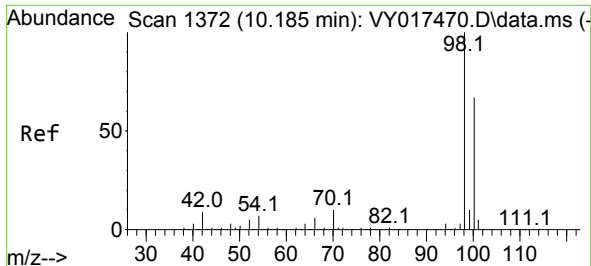
Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

121 0.0 24.0 36.0#

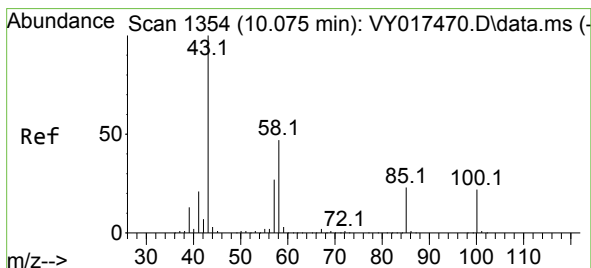
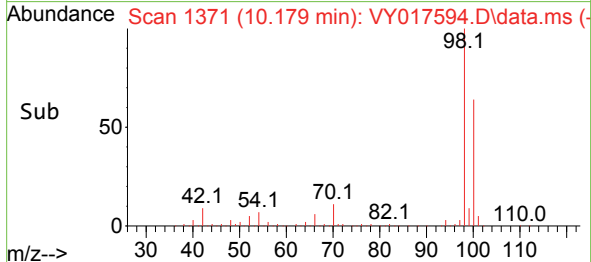
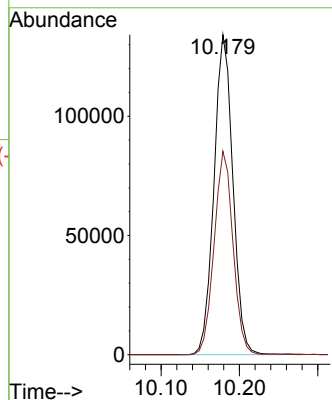
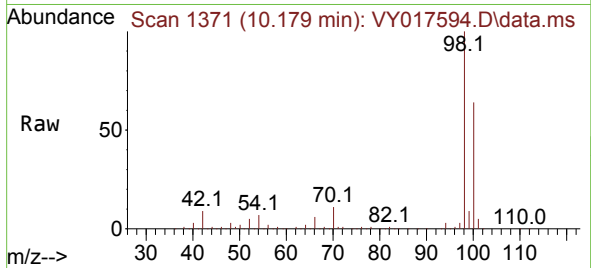




#50
Toluene-d8
Concen: 46.756 ug/l
RT: 10.179 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY017594.D
Acq: 06 Mar 2024 17:02

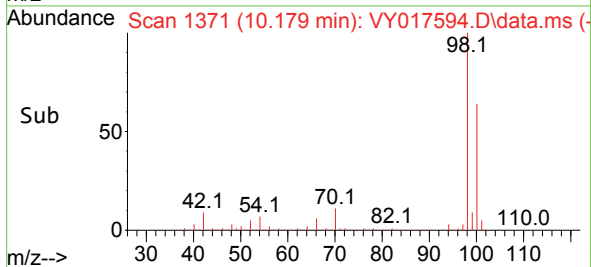
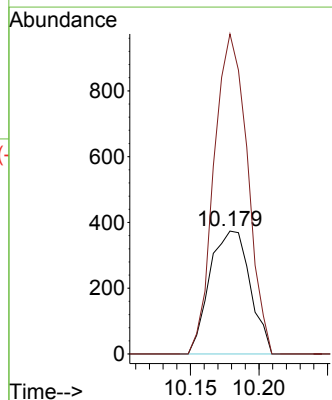
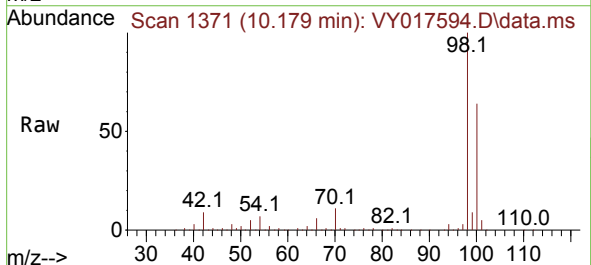
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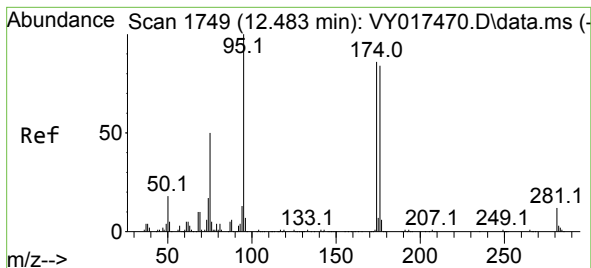
Tgt Ion: 98 Resp: 225103
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.062 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.104 min
Lab File: VY017594.D
Acq: 06 Mar 2024 17:02

Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
58 216.5 35.7 53.5#

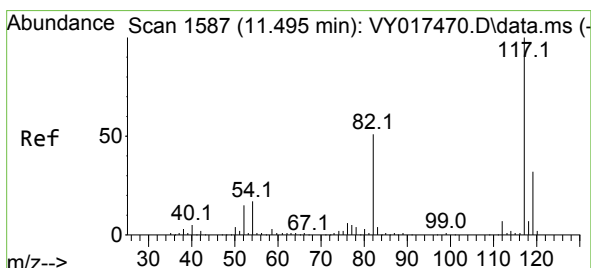
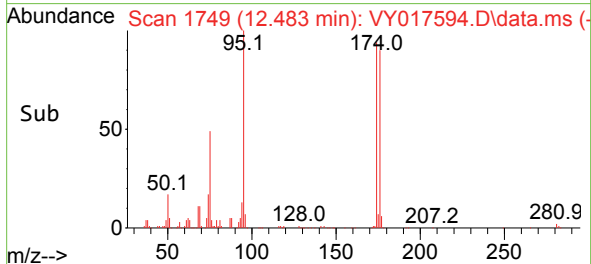
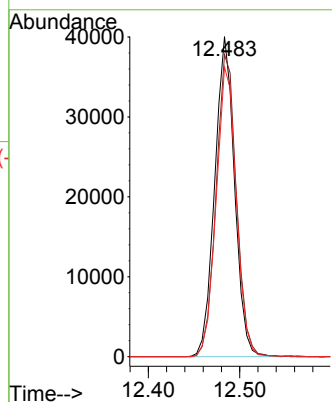
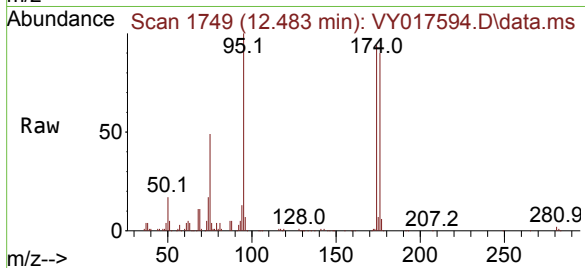




#62
4-Bromofluorobenzene
Concen: 39.850 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017594.D
Acq: 06 Mar 2024 17:02

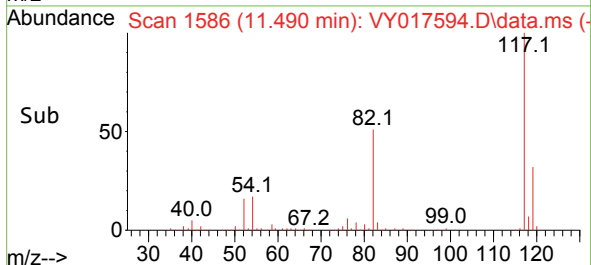
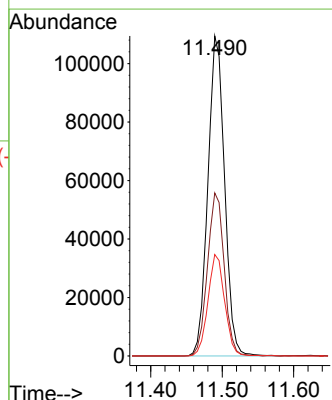
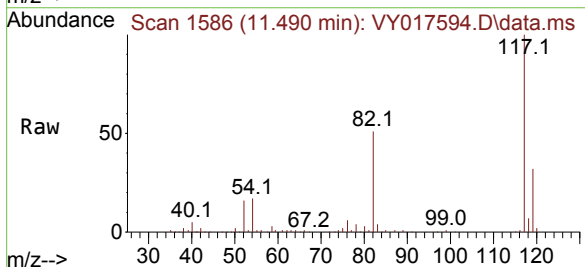
Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

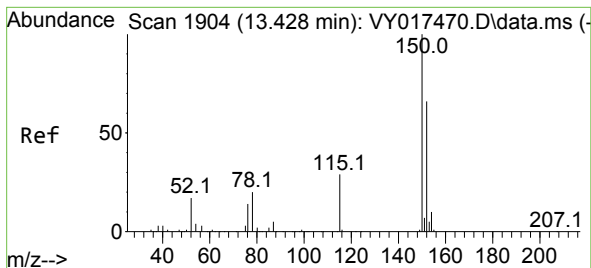
Tgt Ion: 95 Resp: 60295
Ion Ratio Lower Upper
95 100
174 96.9 0.0 175.6
176 91.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY017594.D
Acq: 06 Mar 2024 17:02

Tgt Ion: 117 Resp: 177357
Ion Ratio Lower Upper
117 100
82 51.0 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. 0.000 min

Lab File: VY017594.D

Acq: 06 Mar 2024 17:02

Instrument :

MSVOA_Y

ClientSampleId :

COMP-3

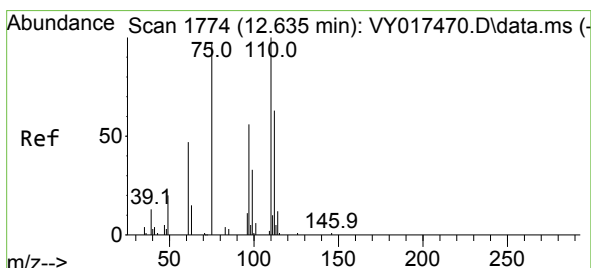
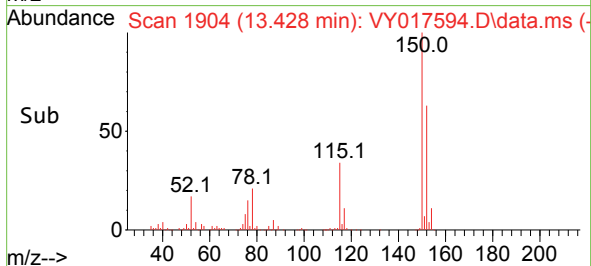
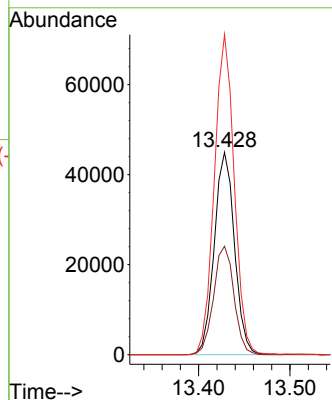
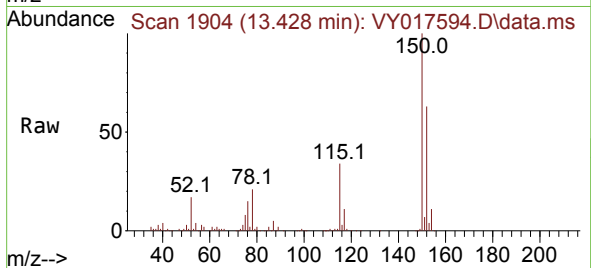
Tgt Ion:152 Resp: 69102

Ion Ratio Lower Upper

152 100

115 54.1 28.2 84.7

150 156.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 45.862 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY017594.D

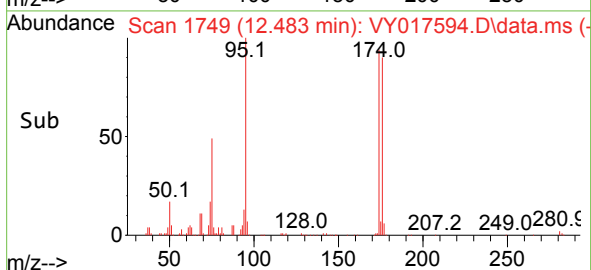
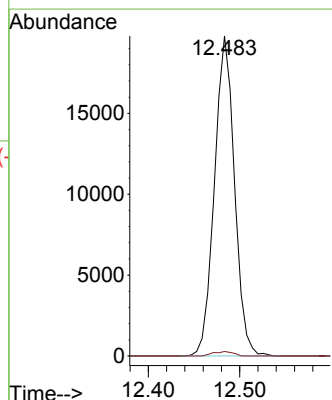
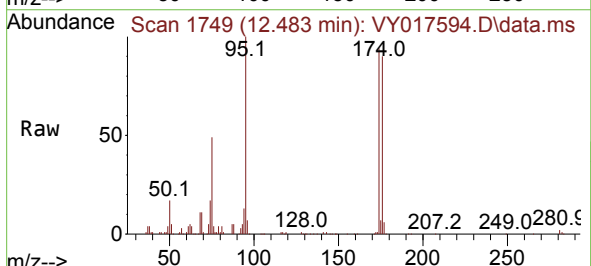
Acq: 06 Mar 2024 17:02

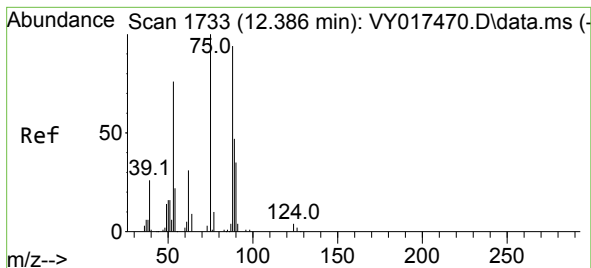
Tgt Ion: 75 Resp: 30112

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

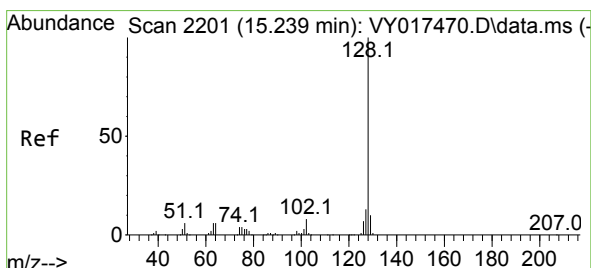
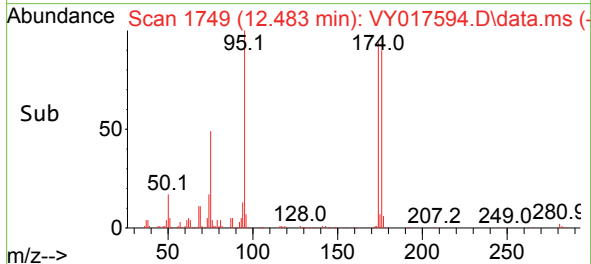
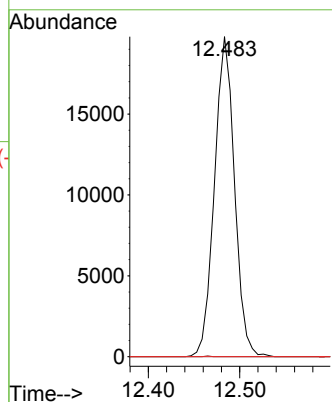
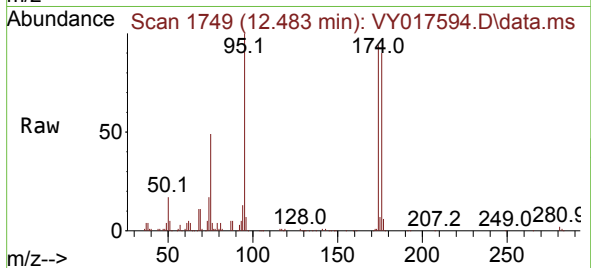




#81
trans-1,4-Dichloro-2-butene
Concen: 105.381 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017594.D
Acq: 06 Mar 2024 17:02

Instrument :
MSVOA_Y
ClientSampleId :
COMP-3

Tgt Ion: 75 Resp: 30112
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 4.060 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY017594.D
Acq: 06 Mar 2024 17:02

Tgt Ion:128 Resp: 341
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

