

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031524\
 Data File : VY017683.D
 Acq On : 15 Mar 2024 19:20
 Operator : SY/MD
 Sample : P1774-01
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP3

Quant Time: Mar 16 00:20:54 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)

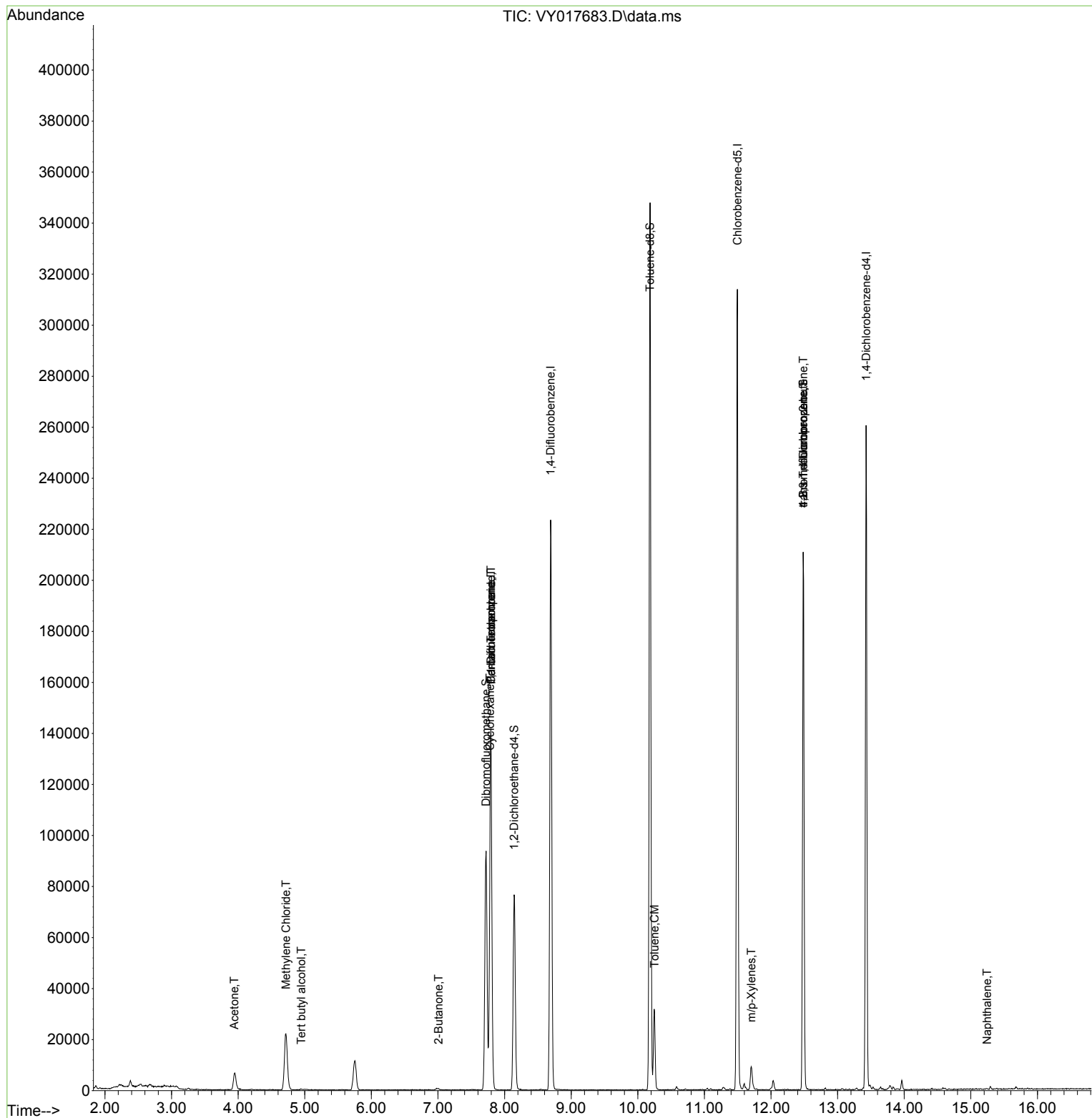
Internal Standards						
1) Pentafluorobenzene	7.795	168	117355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	205794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	183942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	57697	51.876	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.760%			
35) Dibromofluoromethane	7.722	113	66940	46.679	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.360%			
50) Toluene-d8	10.185	98	233566	46.583	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.160%			
62) 4-Bromofluorobenzene	12.483	95	63363	40.211	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.420%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	544	5.758	ug/l #	88
16) Acetone	3.942	43	12390	57.435	ug/l	90
20) Methylene Chloride	4.716	84	18611	10.339	ug/l	94
25) 2-Butanone	7.008	43	709	2.306	ug/l #	77
31) Cyclohexane	7.783	56	2680	1.481	ug/l #	28
36) 1,1-Dichloropropene	7.795	75	7678	3.968	ug/l #	47
38) Carbon Tetrachloride	7.795	117	10533	5.432	ug/l #	17
52) Toluene	10.252	92	13405	3.701	ug/l	94
68) m/p-Xylenes	11.703	106	3105	1.154	ug/l	91
76) 1,2,3-Trichloropropane	12.483	75	31204	46.454	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	31204	106.741	ug/l #	16
95) Naphthalene	15.245	128	164	3.982	ug/l #	69

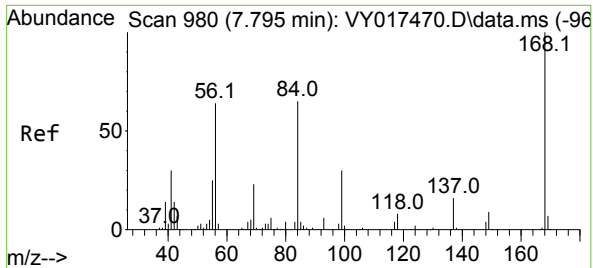
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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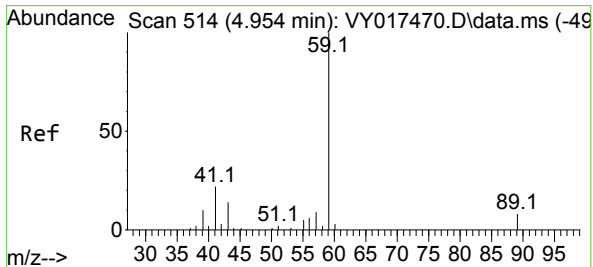
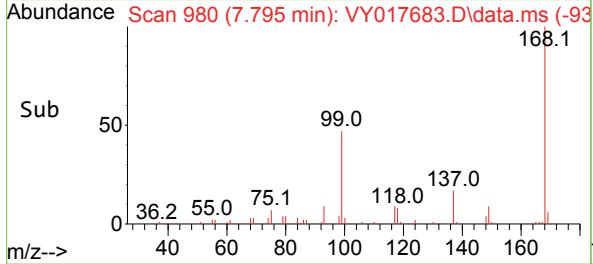
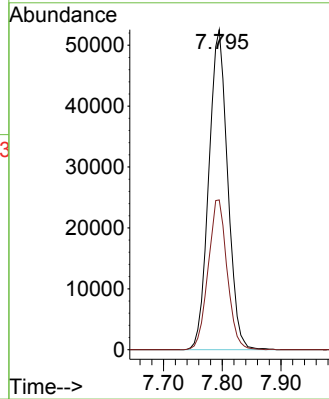
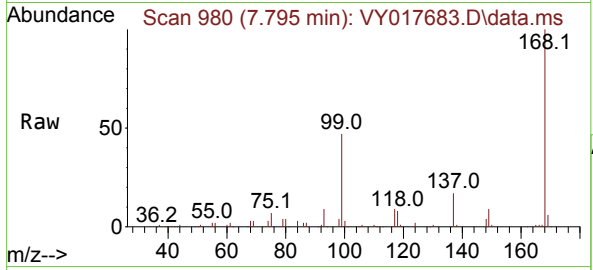




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017683.D
Acq: 15 Mar 2024 19:20

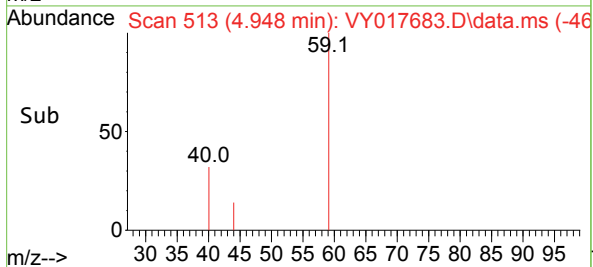
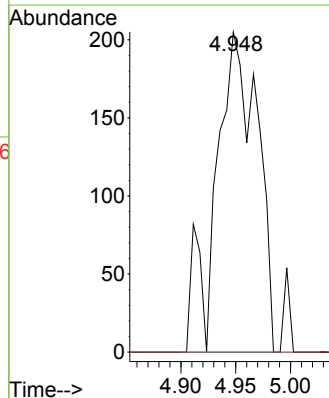
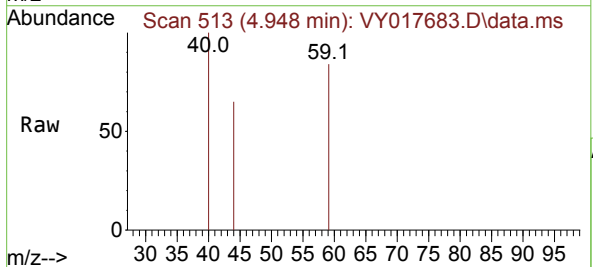
Instrument :
MSVOA_Y
ClientSampleId :
TP3

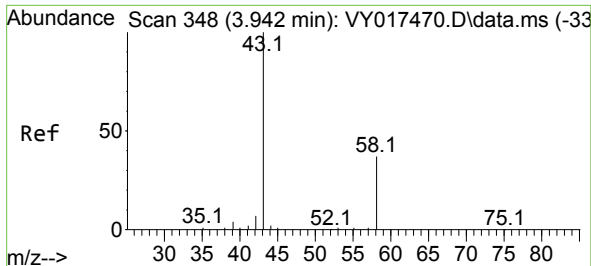
Tgt Ion:168 Resp: 117355
Ion Ratio Lower Upper
168 100
99 46.8 39.1 58.7



#11
Tert butyl alcohol
Concen: 5.758 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY017683.D
Acq: 15 Mar 2024 19:20

Tgt Ion: 59 Resp: 544
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 57.435 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY017683.D

Acq: 15 Mar 2024 19:20

Instrument :

MSVOA_Y

ClientSampleId :

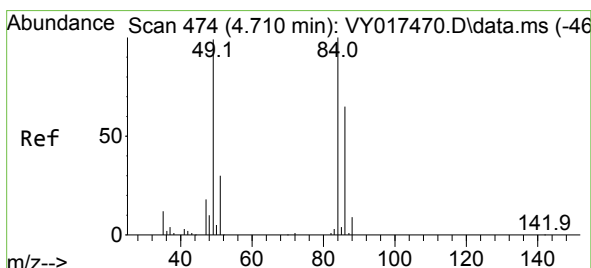
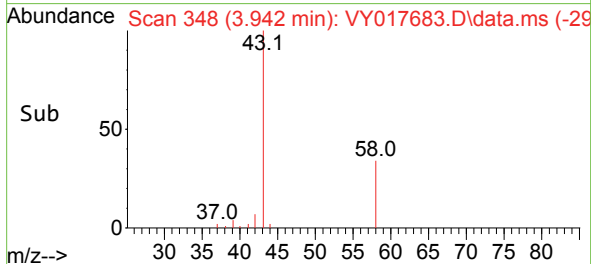
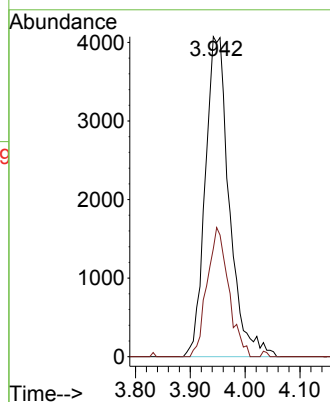
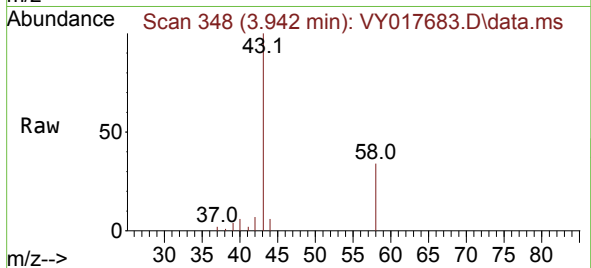
TP3

Tgt Ion: 43 Resp: 12390

Ion Ratio Lower Upper

43 100

58 33.7 31.7 47.5



#20

Methylene Chloride

Concen: 10.339 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY017683.D

Acq: 15 Mar 2024 19:20

Tgt Ion: 84 Resp: 18611

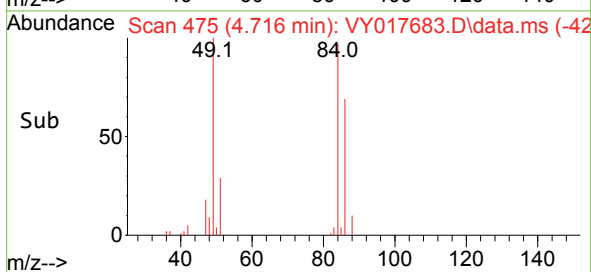
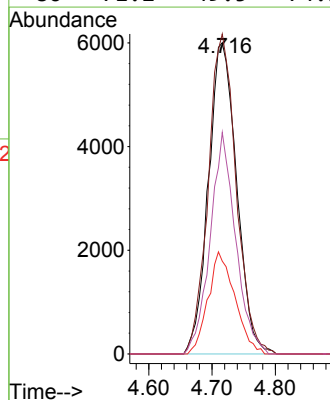
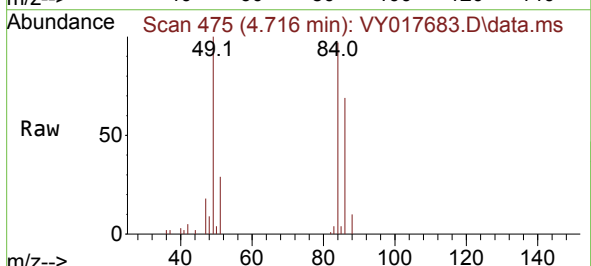
Ion Ratio Lower Upper

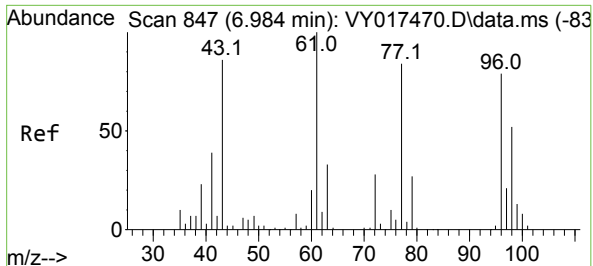
84 100

49 102.8 84.4 126.6

51 29.8 26.0 39.0

86 71.2 49.5 74.3





#25

2-Butanone

Concen: 2.306 ug/l

RT: 7.008 min Scan# 81

Delta R.T. 0.024 min

Lab File: VY017683.D

Acq: 15 Mar 2024 19:20

Instrument :

MSVOA_Y

ClientSampleId :

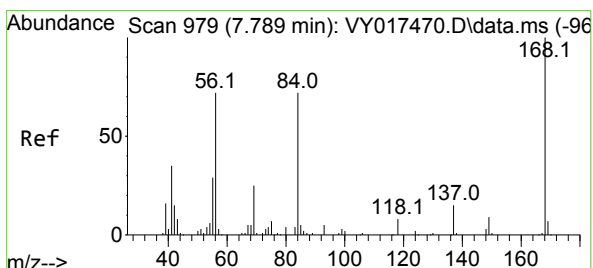
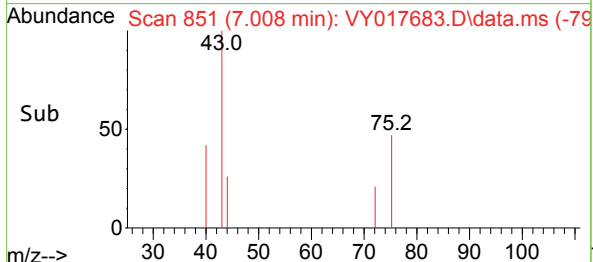
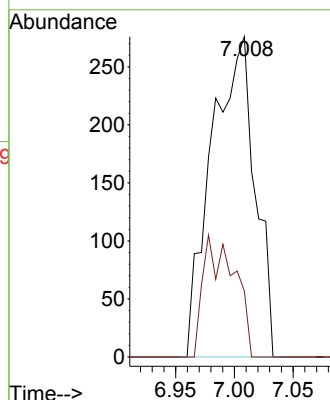
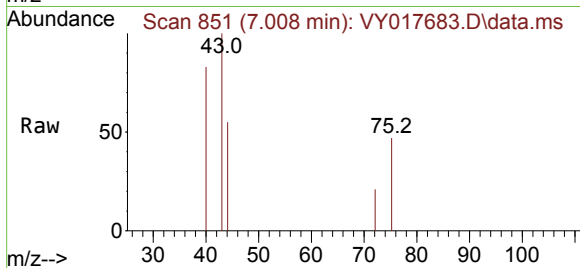
TP3

Tgt Ion: 43 Resp: 709

Ion Ratio Lower Upper

43 100

72 20.7 27.3 40.9#



#31

Cyclohexane

Concen: 1.481 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY017683.D

Acq: 15 Mar 2024 19:20

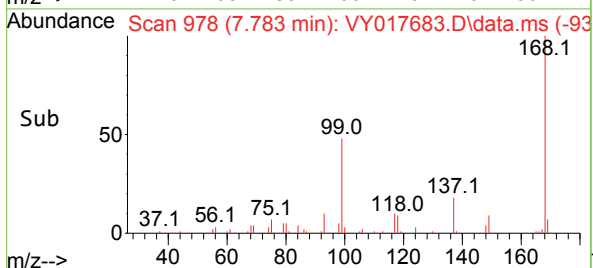
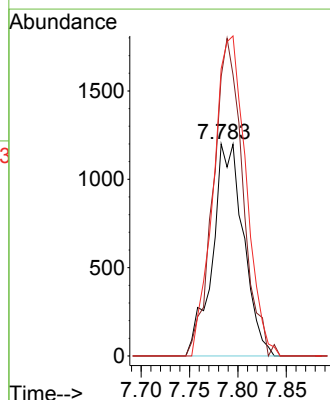
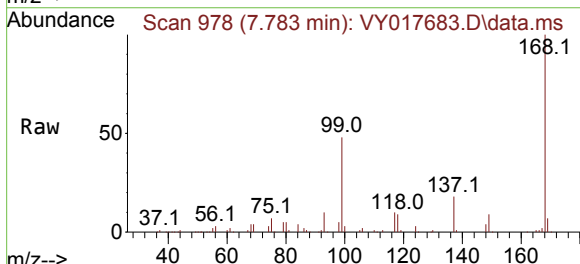
Tgt Ion: 56 Resp: 2680

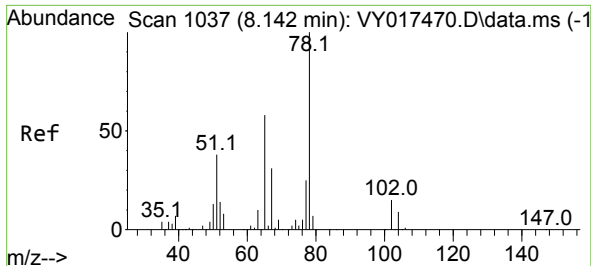
Ion Ratio Lower Upper

56 100

69 131.8 28.7 43.1#

84 135.4 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 51.876 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY017683.D

Acq: 15 Mar 2024 19:20

Instrument :

MSVOA_Y

ClientSampleId :

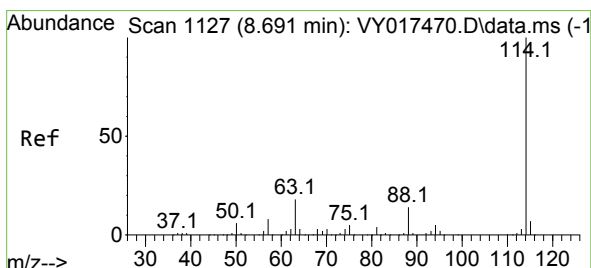
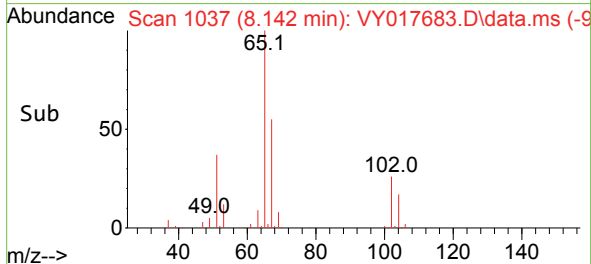
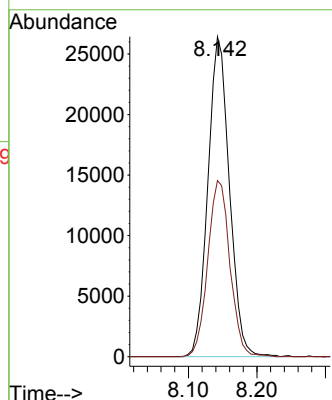
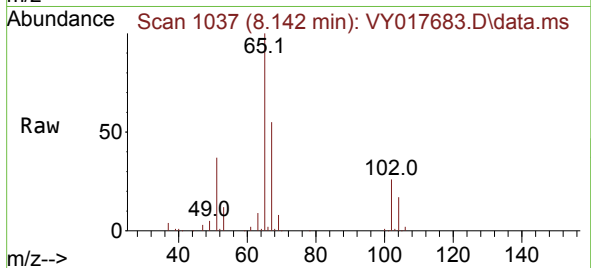
TP3

Tgt Ion: 65 Resp: 57697

Ion Ratio Lower Upper

65 100

67 56.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017683.D

Acq: 15 Mar 2024 19:20

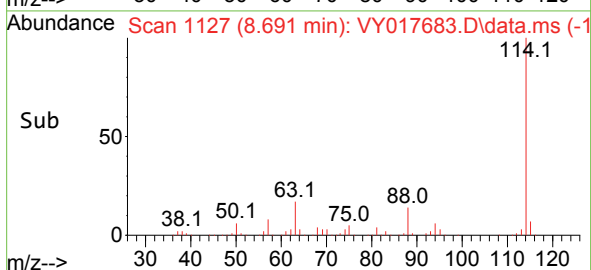
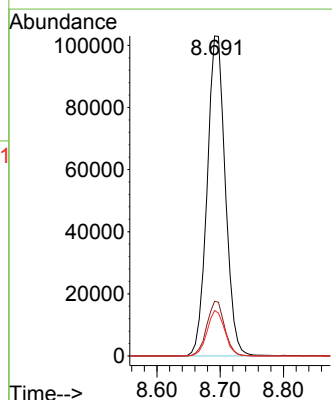
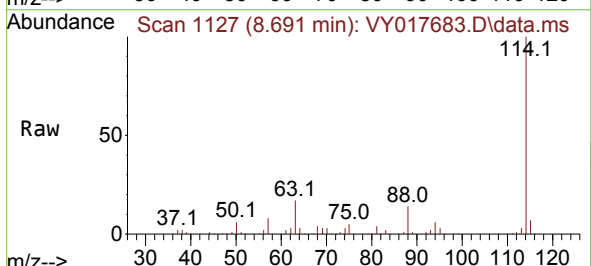
Tgt Ion: 114 Resp: 205794

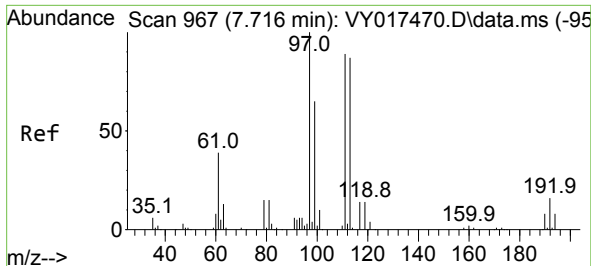
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

88 14.2 0.0 27.2

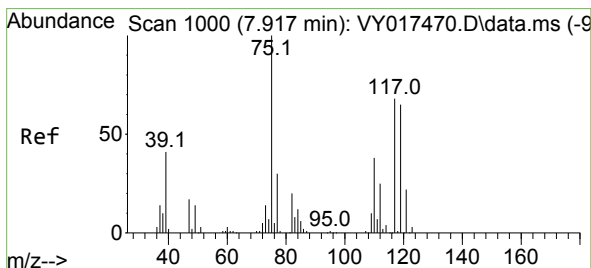
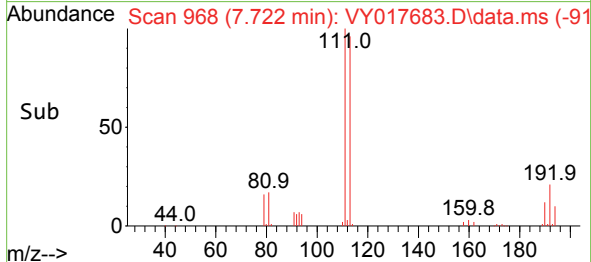
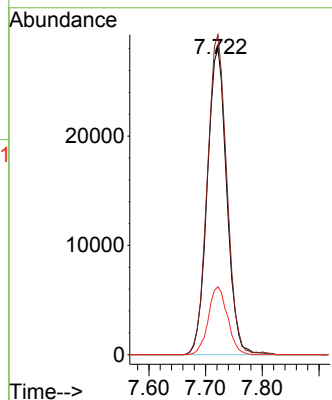
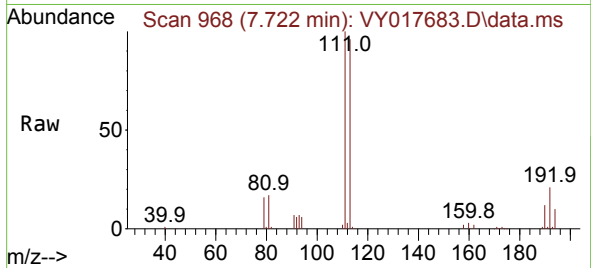




#35
Dibromofluoromethane
Concen: 46.679 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY017683.D
Acq: 15 Mar 2024 19:20

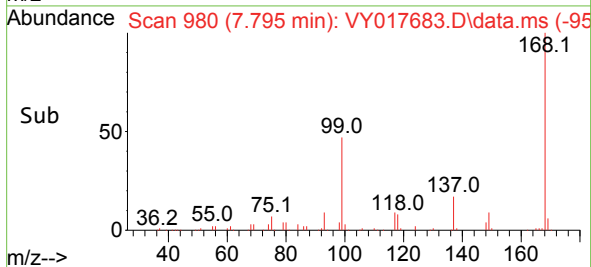
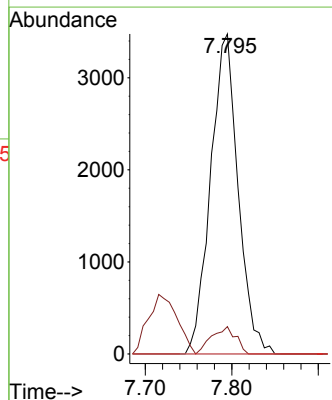
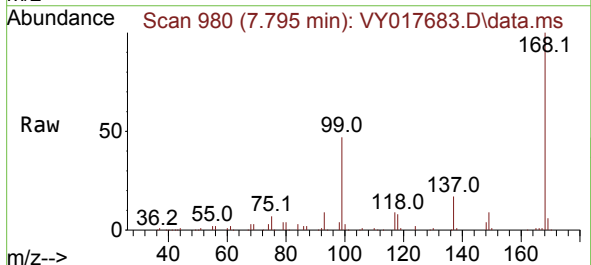
Instrument :
MSVOA_Y
ClientSampleId :
TP3

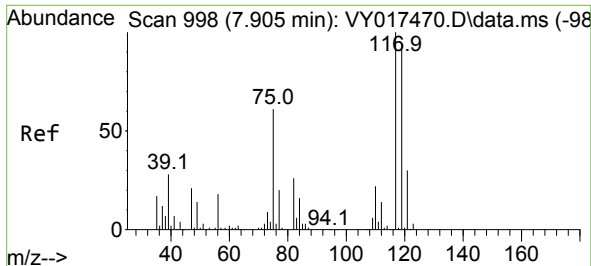
Tgt Ion:113 Resp: 66940
Ion Ratio Lower Upper
113 100
111 104.8 82.2 123.4
192 21.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 3.968 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017683.D
Acq: 15 Mar 2024 19:20

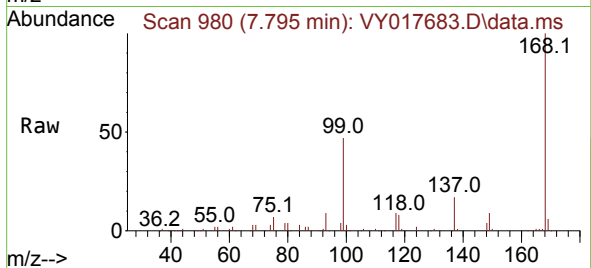
Tgt Ion: 75 Resp: 7678
Ion Ratio Lower Upper
75 100
110 7.5 19.0 57.0#
77 0.0 25.3 37.9#



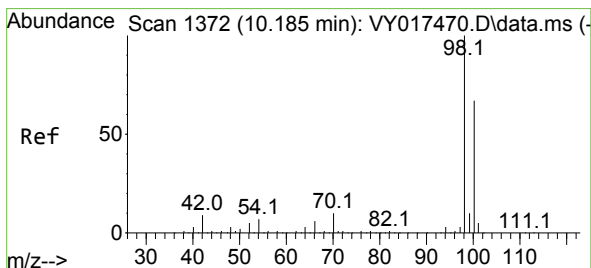
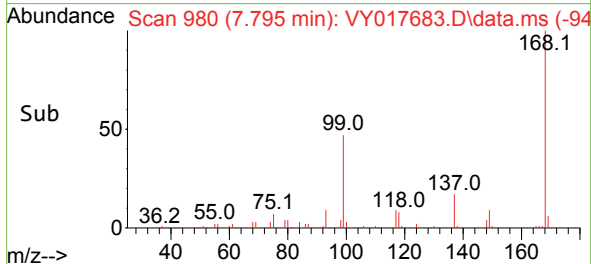
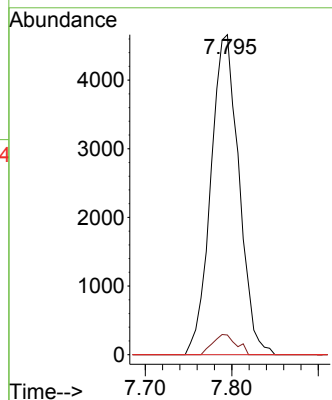


#38
Carbon Tetrachloride
Concen: 5.432 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY017683.D
Acq: 15 Mar 2024 19:20

Instrument :
MSVOA_Y
ClientSampleId :
TP3

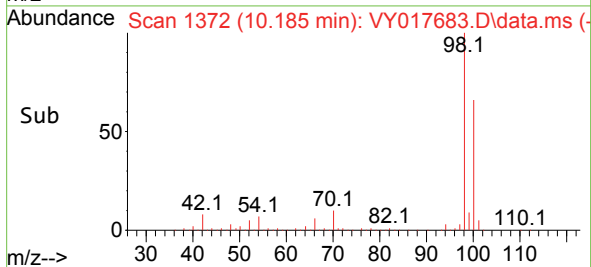
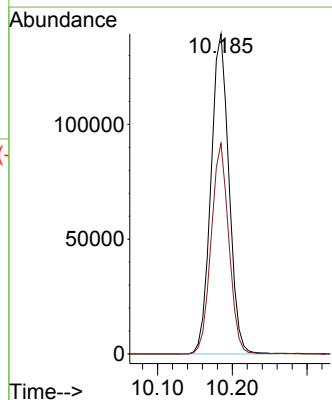
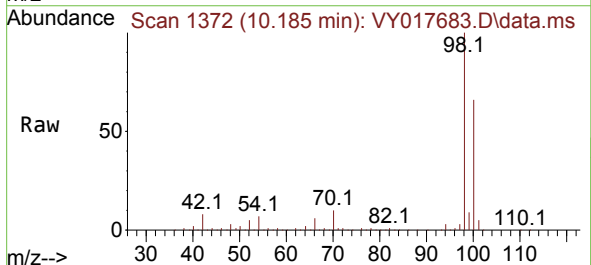


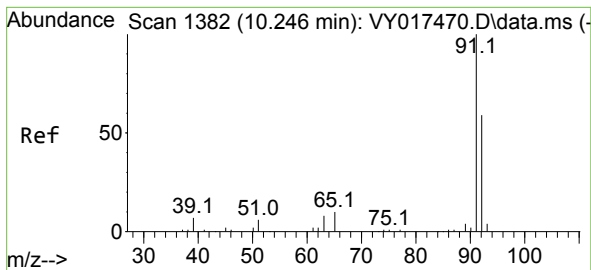
Tgt Ion:117 Resp: 10533
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.583 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017683.D
Acq: 15 Mar 2024 19:20

Tgt Ion: 98 Resp: 233566
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0





#52

Toluene

Concen: 3.701 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY017683.D

Acq: 15 Mar 2024 19:20

Instrument :

MSVOA_Y

ClientSampleId :

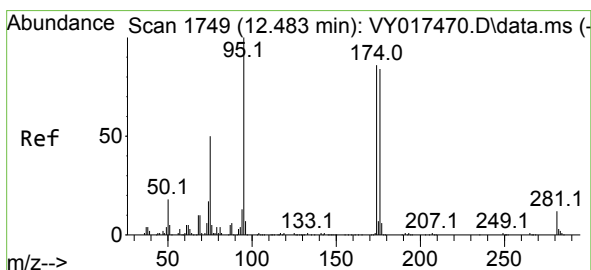
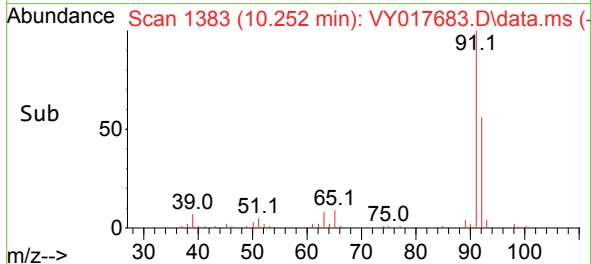
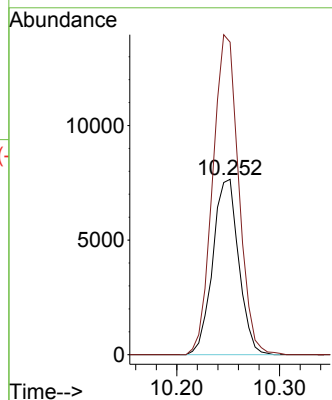
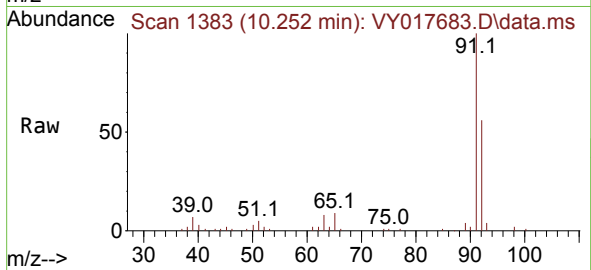
TP3

Tgt Ion: 92 Resp: 13405

Ion Ratio Lower Upper

92 100

91 182.5 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 40.211 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY017683.D

Acq: 15 Mar 2024 19:20

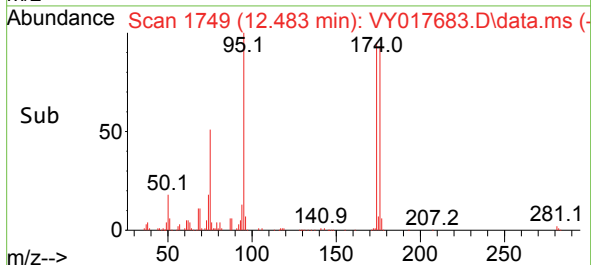
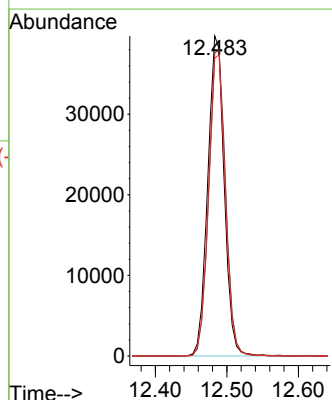
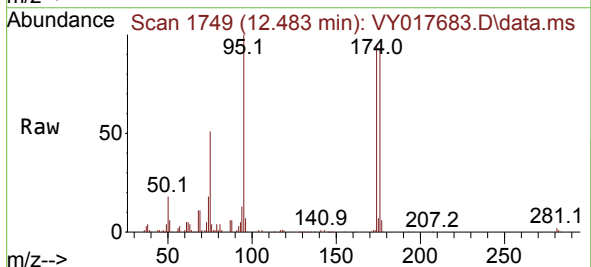
Tgt Ion: 95 Resp: 63363

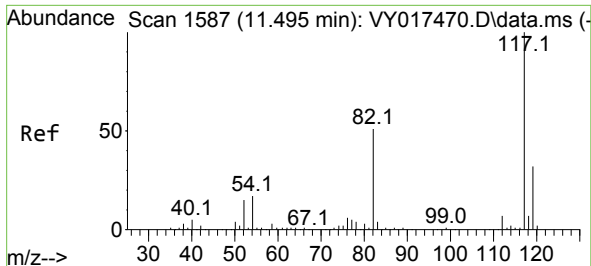
Ion Ratio Lower Upper

95 100

174 98.1 0.0 175.6

176 95.0 0.0 171.4

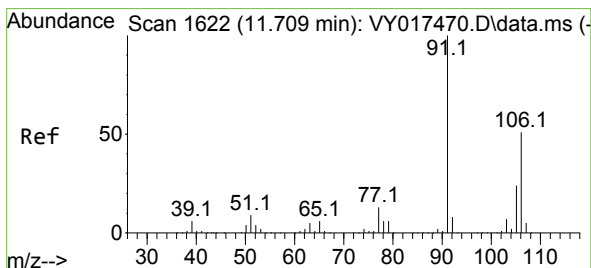
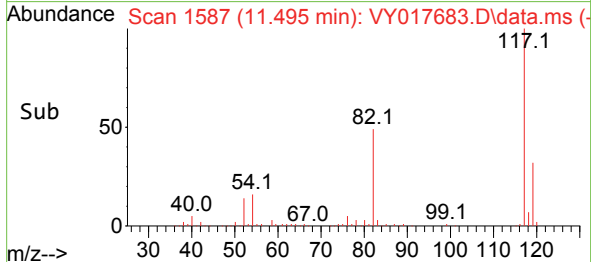
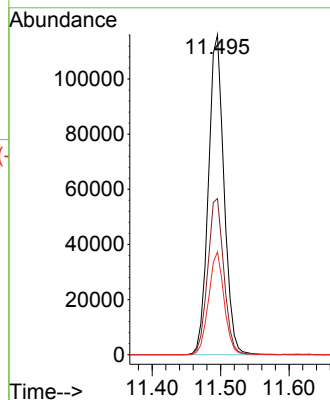
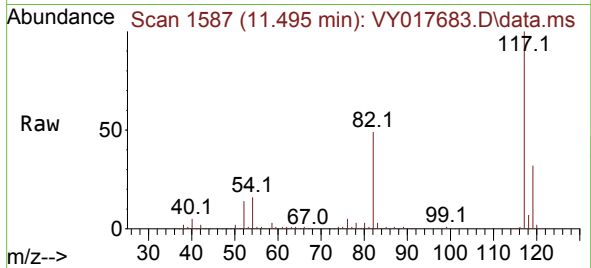




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY017683.D
Acq: 15 Mar 2024 19:20

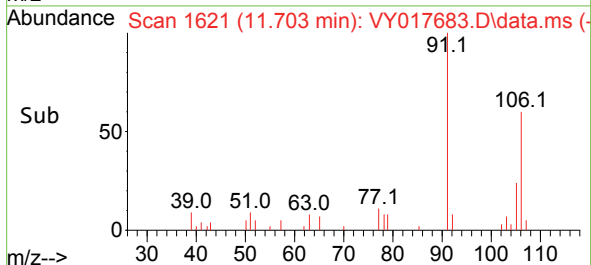
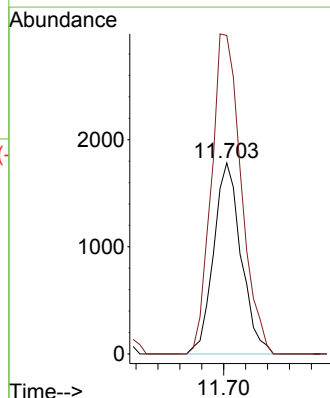
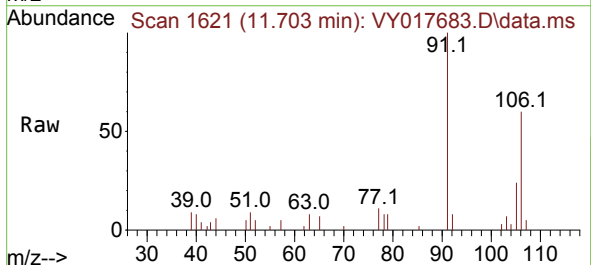
Instrument :
MSVOA_Y
ClientSampleId :
TP3

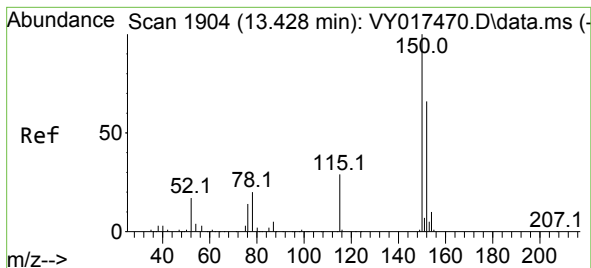
Tgt Ion:117 Resp: 183942
Ion Ratio Lower Upper
117 100
82 48.8 42.4 63.6
119 32.1 25.9 38.9



#68
m/p-Xylenes
Concen: 1.154 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY017683.D
Acq: 15 Mar 2024 19:20

Tgt Ion:106 Resp: 3105
Ion Ratio Lower Upper
106 100
91 181.9 156.0 234.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY017683.D

Acq: 15 Mar 2024 19:20

Instrument :

MSVOA_Y

ClientSampleId :

TP3

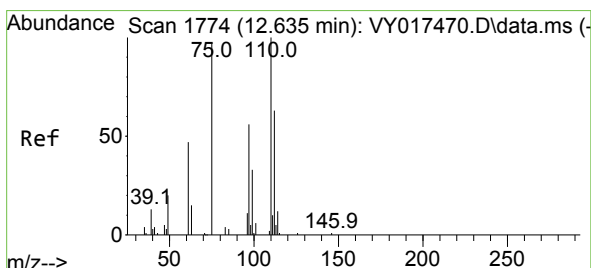
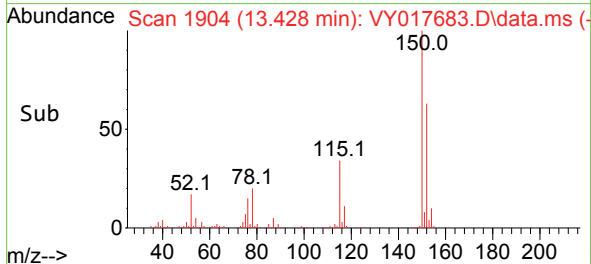
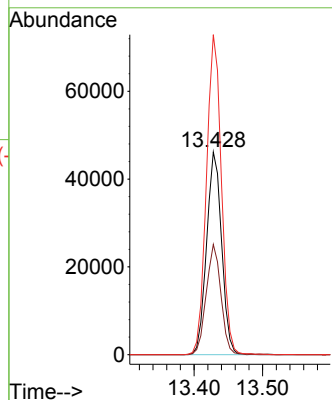
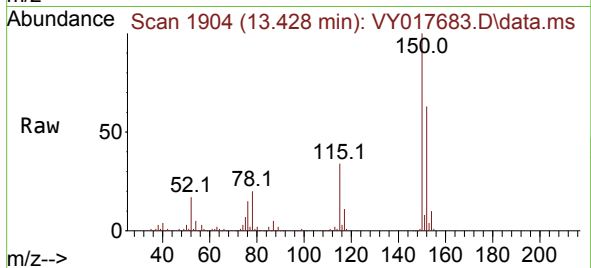
Tgt Ion:152 Resp: 70696

Ion Ratio Lower Upper

152 100

115 53.1 28.2 84.7

150 157.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 46.454 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY017683.D

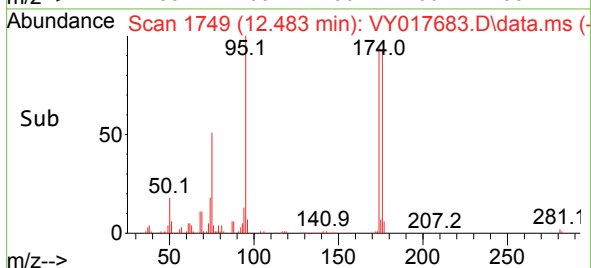
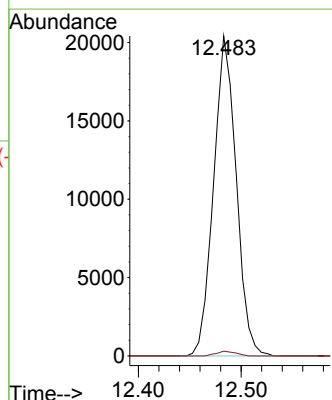
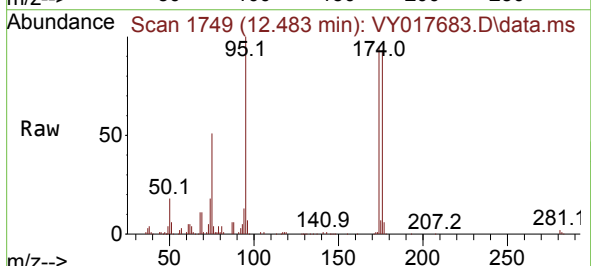
Acq: 15 Mar 2024 19:20

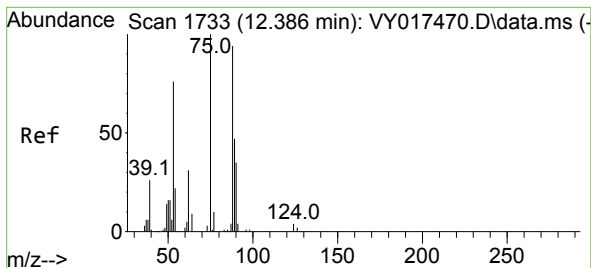
Tgt Ion: 75 Resp: 31204

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

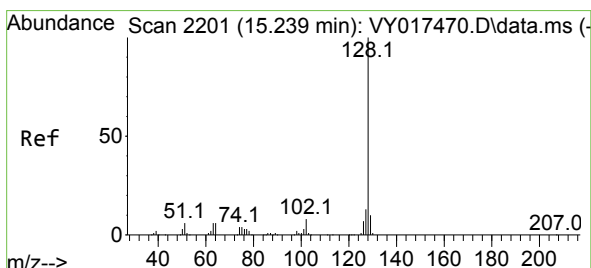
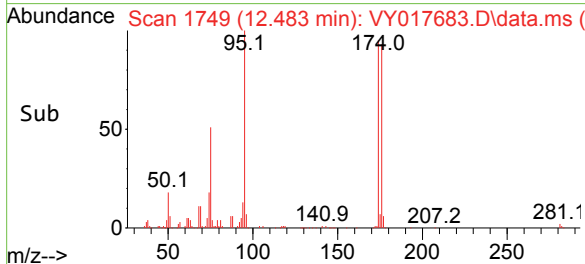
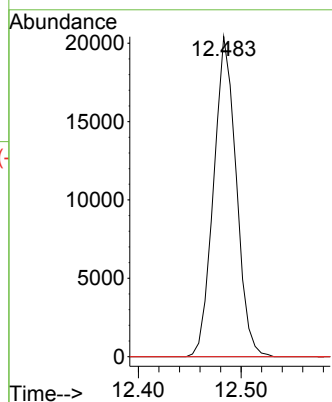
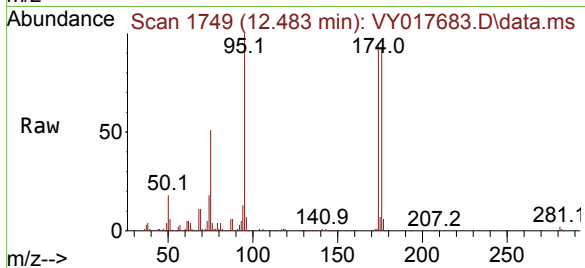




#81
trans-1,4-Dichloro-2-butene
Concen: 106.741 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017683.D
Acq: 15 Mar 2024 19:20

Instrument :
MSVOA_Y
ClientSampleId :
TP3

Tgt Ion: 75 Resp: 31204
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 3.982 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY017683.D
Acq: 15 Mar 2024 19:20

Tgt Ion:128 Resp: 164
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

