

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016820.D
 Acq On : 22 Dec 2023 19:54
 Operator : SY/MD
 Sample : 05879-16
 Misc : 4.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 22 23:04:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

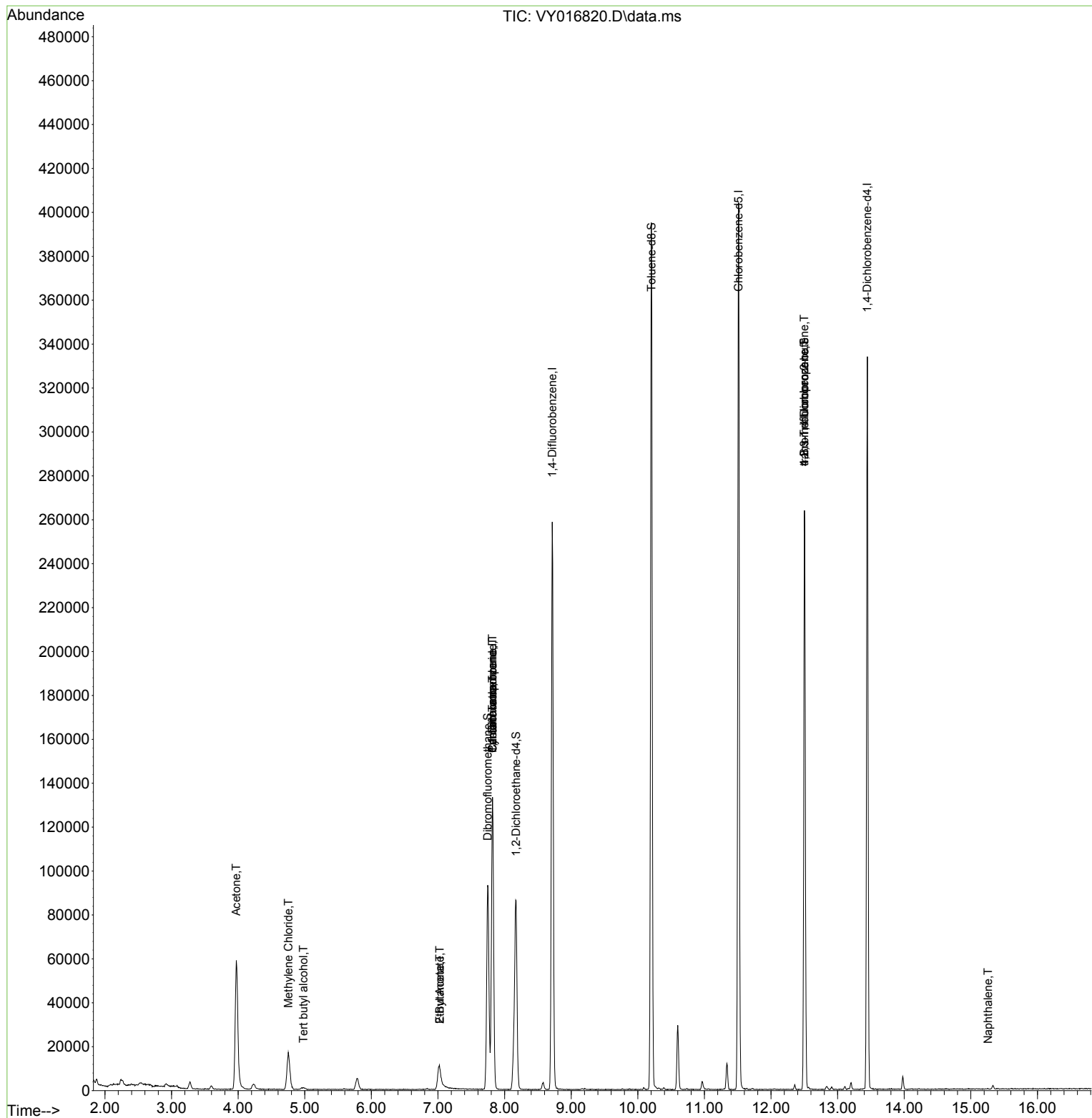
Internal Standards						
1) Pentafluorobenzene	7.819	168	100117	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	222555	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	217918	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	79308	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	62365	68.236	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.480%	
35) Dibromofluoromethane	7.746	113	68527	53.753	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.500%	
50) Toluene-d8	10.203	98	252824	55.013	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.020%	
62) 4-Bromofluorobenzene	12.501	95	77720	52.127	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.260%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	1358	18.122	ug/l #	75
16) Acetone	3.972	43	105548	427.068	ug/l	98
20) Methylene Chloride	4.753	84	12284	7.009	ug/l	96
25) 2-Butanone	7.027	43	8099	23.801	ug/l	91
31) Cyclohexane	7.819	56	2416	1.380	ug/l #	14
36) 1,1-Dichloropropene	7.819	75	9255	4.528	ug/l #	48
37) Ethyl Acetate	7.027	43	8099	9.245	ug/l #	76
38) Carbon Tetrachloride	7.819	117	10379	5.132	ug/l #	17
76) 1,2,3-Trichloropropane	12.501	75	42082	48.000	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	42082	112.725	ug/l #	12
95) Naphthalene	15.257	128	81	3.623	ug/l #	69

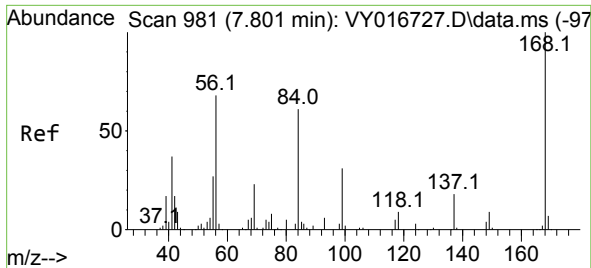
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
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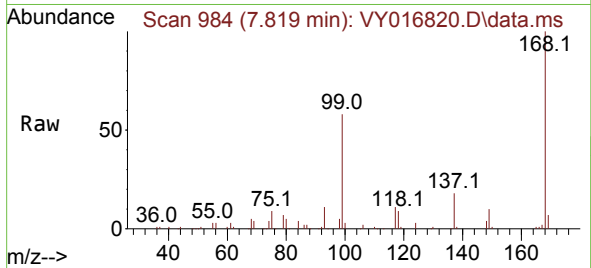
Quant Time: Dec 22 23:04:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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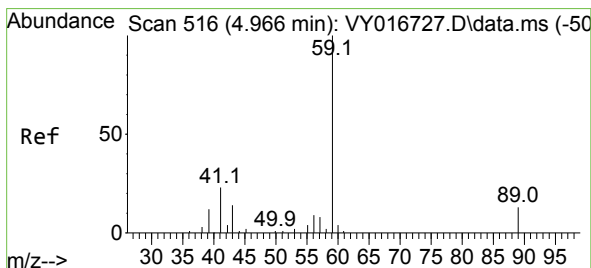
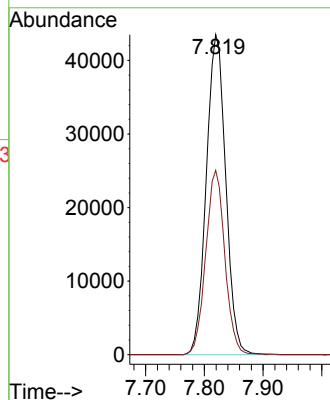
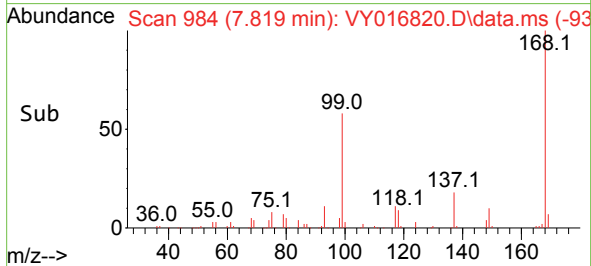


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY016820.D
Acq: 22 Dec 2023 19:54

Instrument :
MSVOA_Y
ClientSampleId :

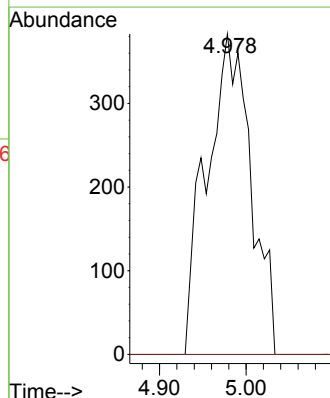
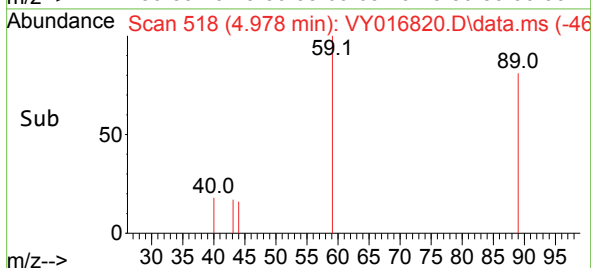
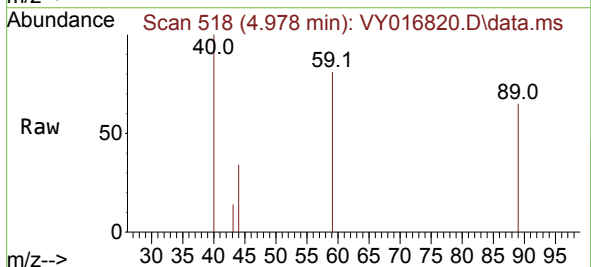


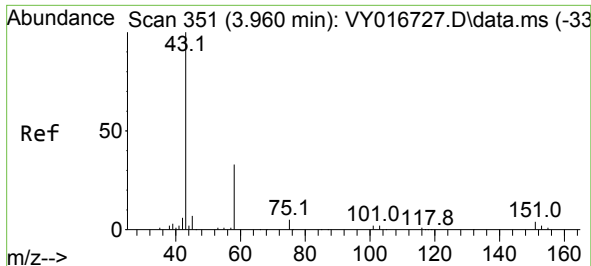
Tgt Ion:168 Resp: 100117
Ion Ratio Lower Upper
168 100
99 57.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 18.122 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY016820.D
Acq: 22 Dec 2023 19:54

Tgt Ion: 59 Resp: 1358
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 427.068 ug/l

RT: 3.972 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY016820.D

Acq: 22 Dec 2023 19:54

Instrument :

MSVOA_Y

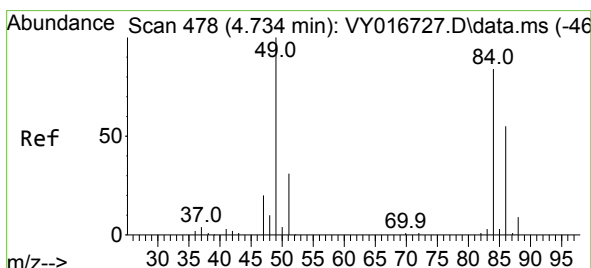
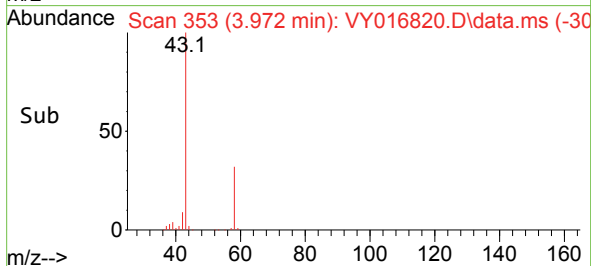
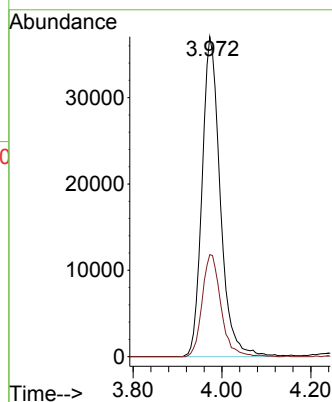
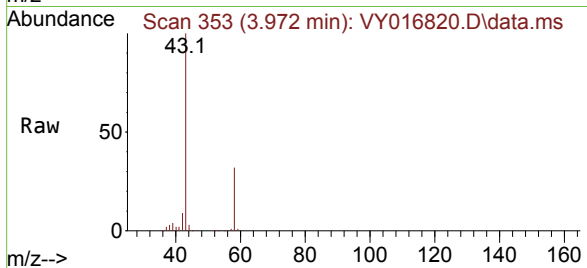
ClientSampleId :

Tgt Ion: 43 Resp: 105548

Ion Ratio Lower Upper

43 100

58 31.9 26.6 39.8



#20

Methylene Chloride

Concen: 7.009 ug/l

RT: 4.753 min Scan# 481

Delta R.T. 0.019 min

Lab File: VY016820.D

Acq: 22 Dec 2023 19:54

Tgt Ion: 84 Resp: 12284

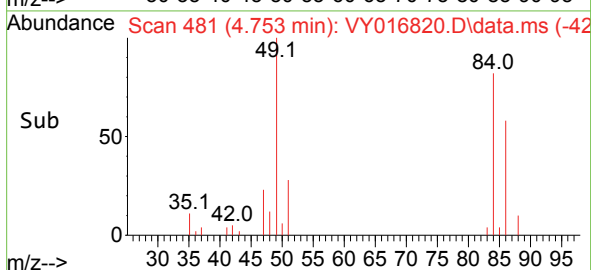
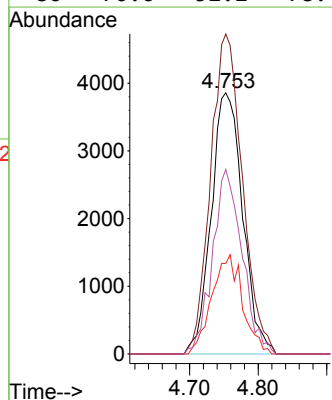
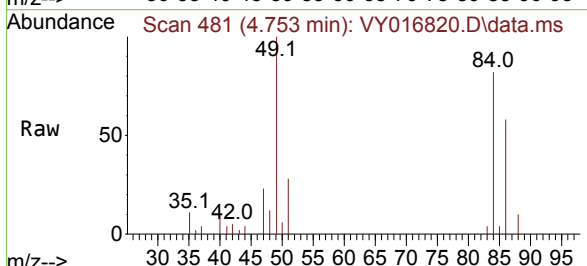
Ion Ratio Lower Upper

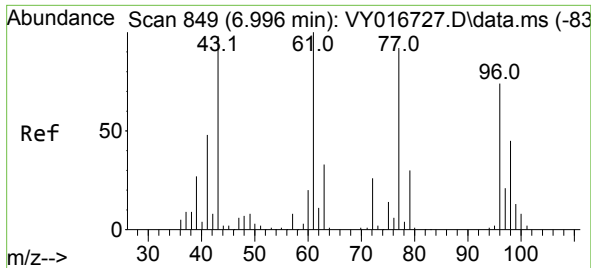
84 100

49 122.5 95.2 142.8

51 34.6 29.9 44.9

86 70.6 52.2 78.4





#25

2-Butanone

Concen: 23.801 ug/l

RT: 7.027 min Scan# 80

Delta R.T. 0.031 min

Lab File: VY016820.D

Acq: 22 Dec 2023 19:54

Instrument :

MSVOA_Y

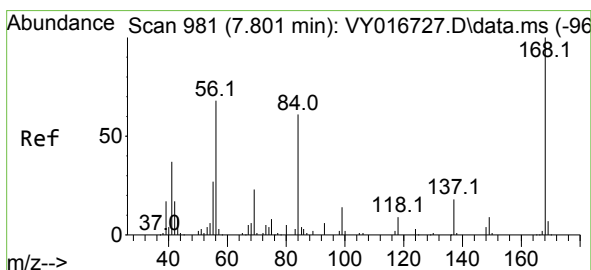
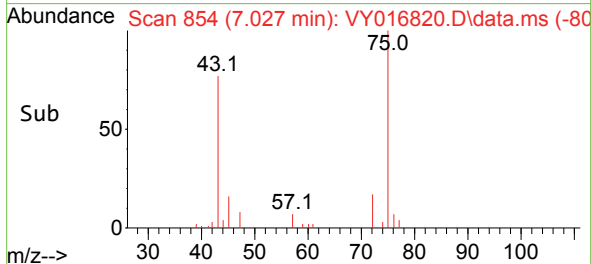
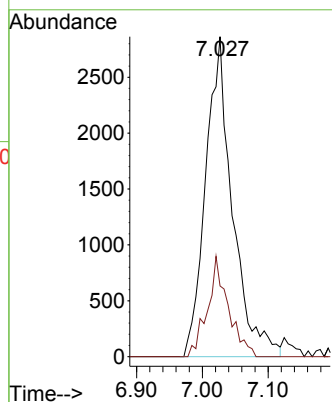
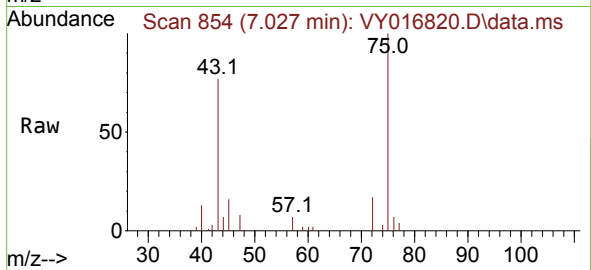
ClientSampleId :

Tgt Ion: 43 Resp: 8099

Ion Ratio Lower Upper

43 100

72 22.1 21.4 32.2



#31

Cyclohexane

Concen: 1.380 ug/l

RT: 7.819 min Scan# 984

Delta R.T. 0.018 min

Lab File: VY016820.D

Acq: 22 Dec 2023 19:54

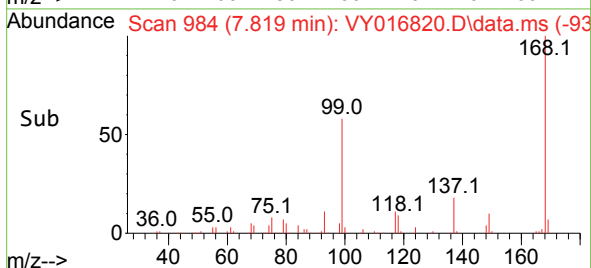
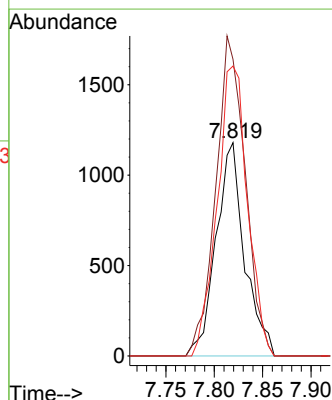
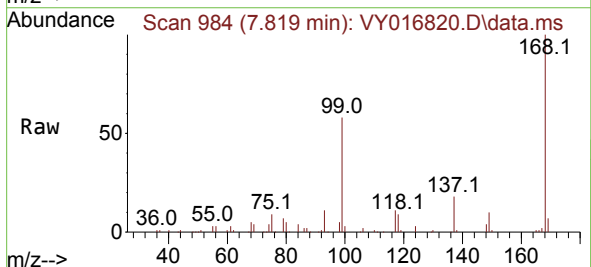
Tgt Ion: 56 Resp: 2416

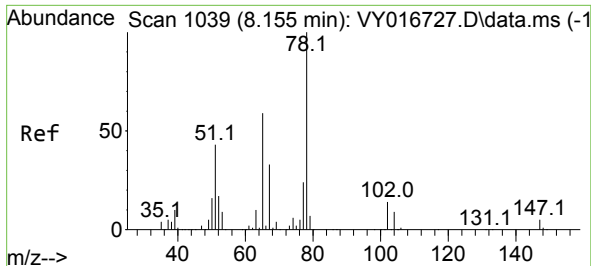
Ion Ratio Lower Upper

56 100

69 139.1 27.0 40.6#

84 135.9 71.8 107.6#

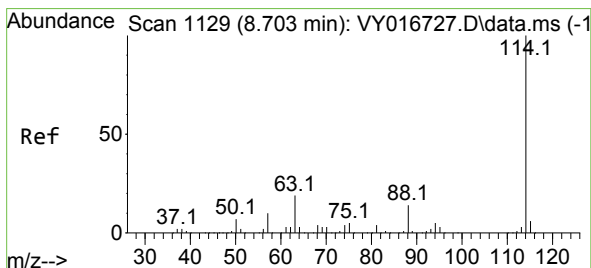
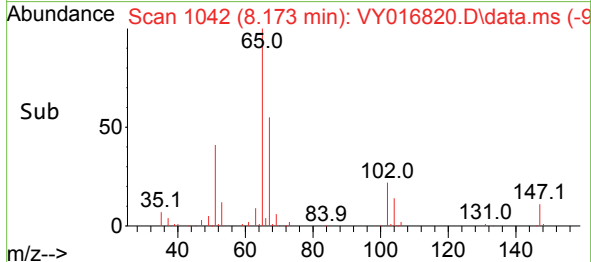
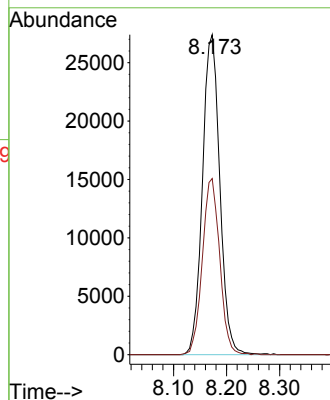
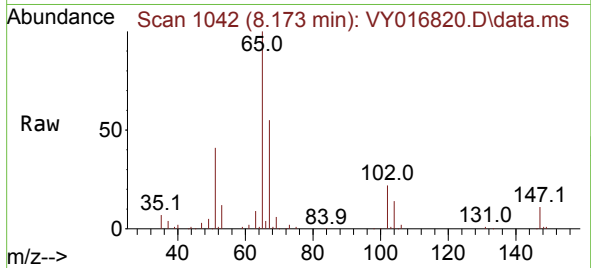




#33
 1,2-Dichloroethane-d4
 Concen: 68.236 ug/l
 RT: 8.173 min Scan# 1103
 Delta R.T. 0.018 min
 Lab File: VY016820.D
 Acq: 22 Dec 2023 19:54

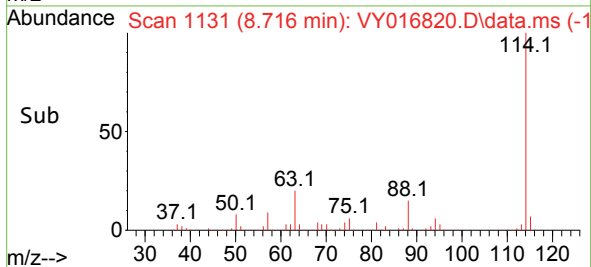
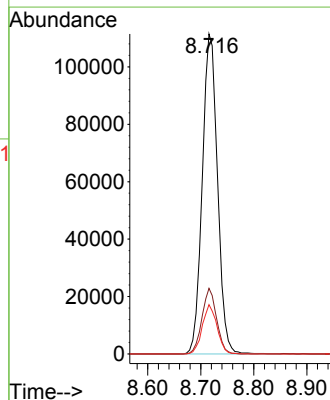
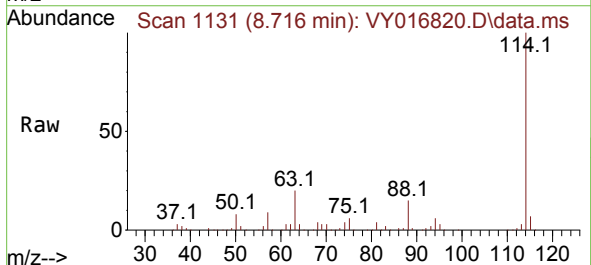
Instrument :
 MSVOA_Y
 ClientSampleId :

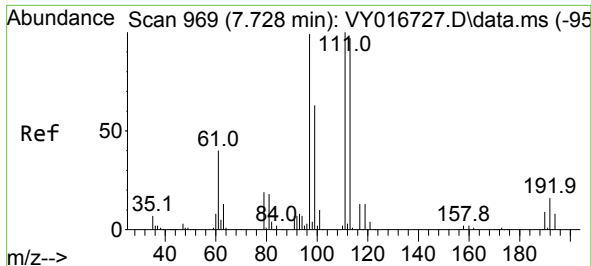
Tgt Ion: 65 Resp: 62365
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.716 min Scan# 1131
 Delta R.T. 0.013 min
 Lab File: VY016820.D
 Acq: 22 Dec 2023 19:54

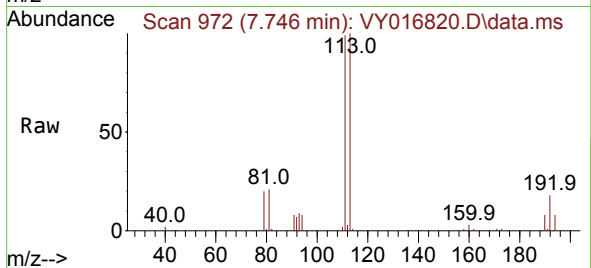
Tgt Ion: 114 Resp: 222555
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 37.4
 88 15.4 0.0 29.0



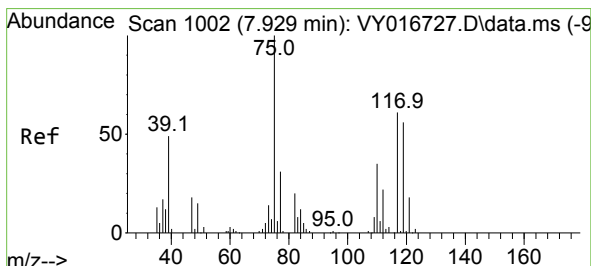
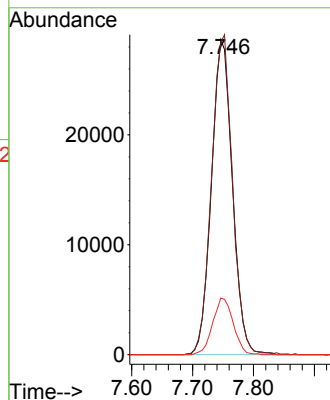
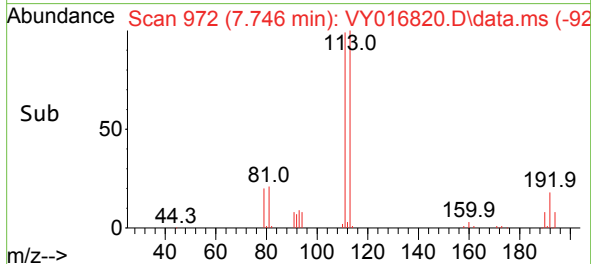


#35
Dibromofluoromethane
Concen: 53.753 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016820.D
Acq: 22 Dec 2023 19:54

Instrument :
MSVOA_Y
ClientSampleId :

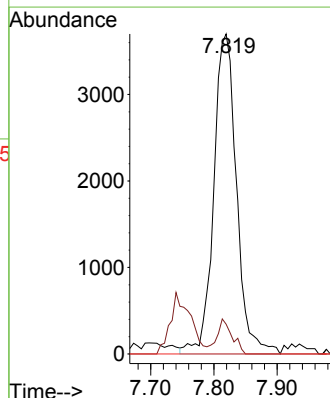
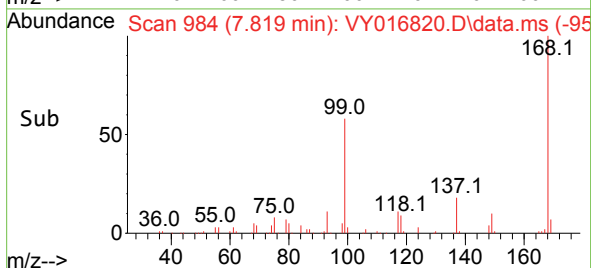
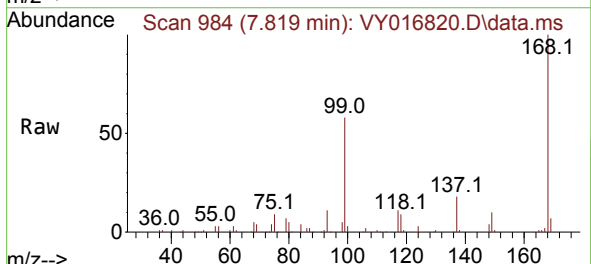


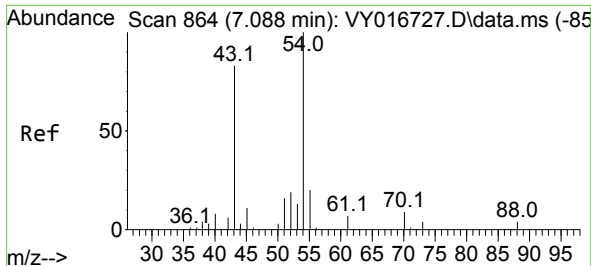
Tgt Ion:113 Resp: 68527
Ion Ratio Lower Upper
113 100
111 101.4 83.8 125.6
192 17.6 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.528 ug/l
RT: 7.819 min Scan# 984
Delta R.T. -0.110 min
Lab File: VY016820.D
Acq: 22 Dec 2023 19:54

Tgt Ion: 75 Resp: 9255
Ion Ratio Lower Upper
75 100
110 7.3 17.4 52.3#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 9.245 ug/l

RT: 7.027 min Scan# 81

Delta R.T. -0.061 min

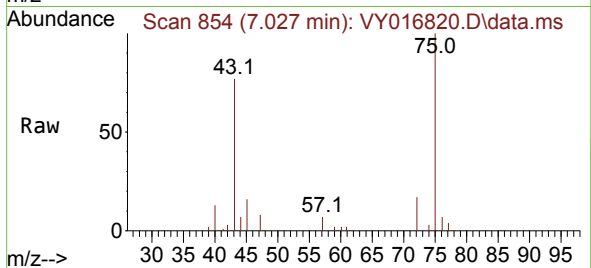
Lab File: VY016820.D

Acq: 22 Dec 2023 19:54

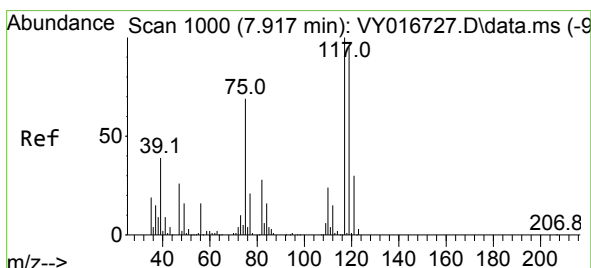
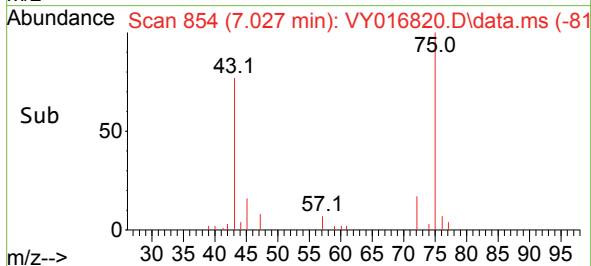
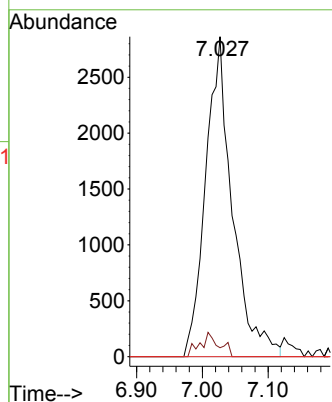
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	8099
Ion	Ratio	Lower	Upper
43	100		
61	5.3	11.0	16.6#
70	0.0	8.1	12.1#



#38

Carbon Tetrachloride

Concen: 5.132 ug/l

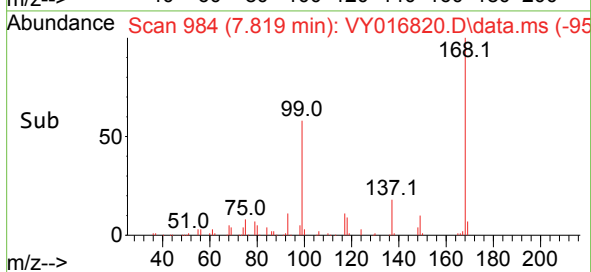
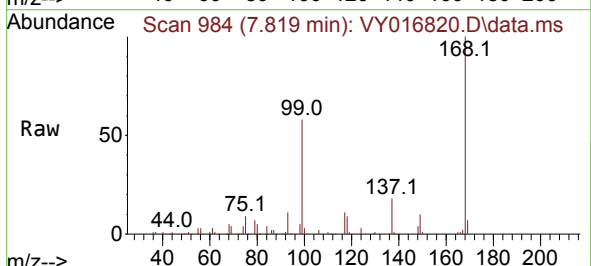
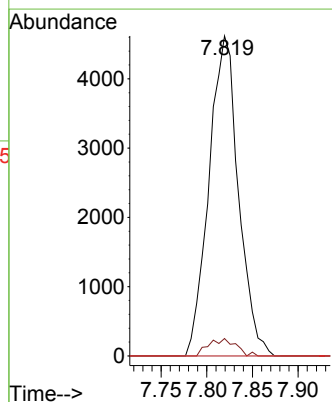
RT: 7.819 min Scan# 984

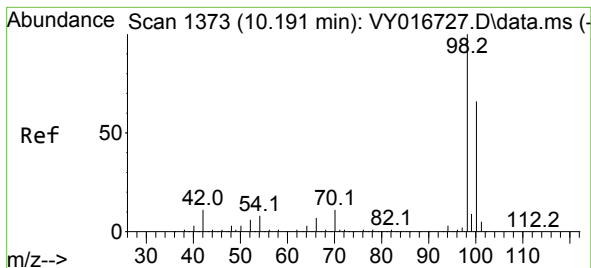
Delta R.T. -0.097 min

Lab File: VY016820.D

Acq: 22 Dec 2023 19:54

Tgt Ion:	117	Resp:	10379
Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.0	114.0#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 55.013 ug/l

RT: 10.203 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY016820.D

Acq: 22 Dec 2023 19:54

Instrument :

MSVOA_Y

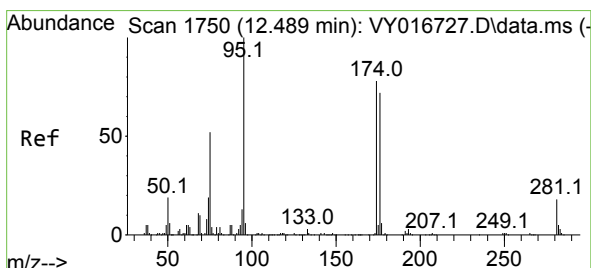
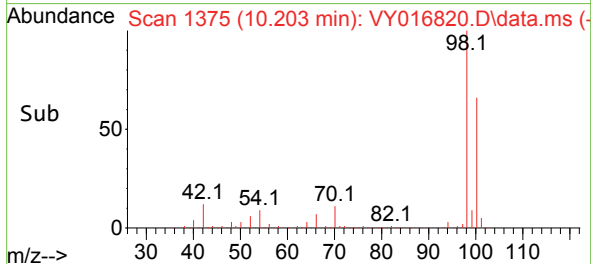
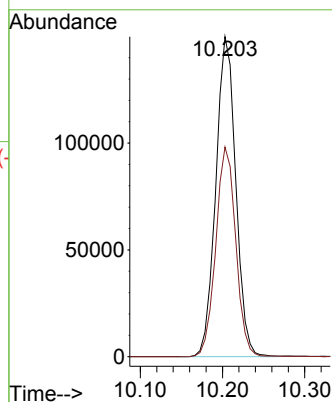
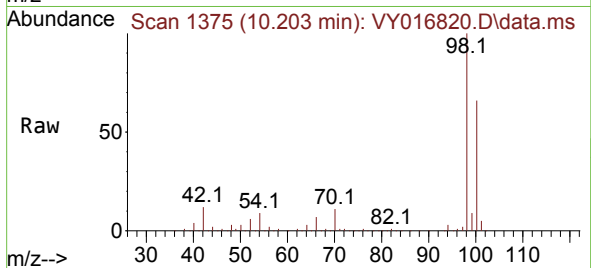
ClientSampleId :

Tgt Ion: 98 Resp: 252824

Ion Ratio Lower Upper

98 100

100 65.6 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 52.127 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016820.D

Acq: 22 Dec 2023 19:54

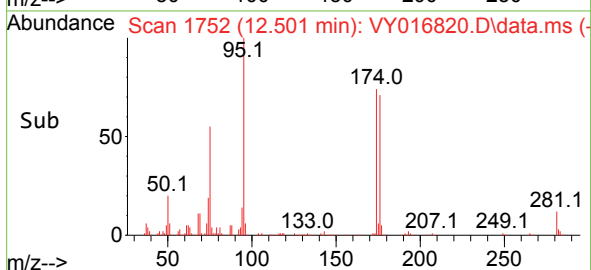
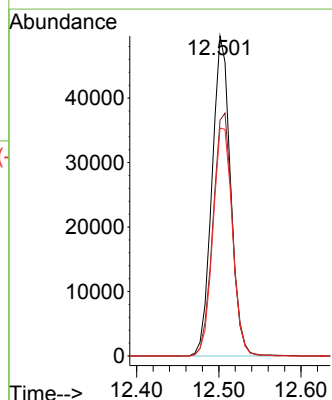
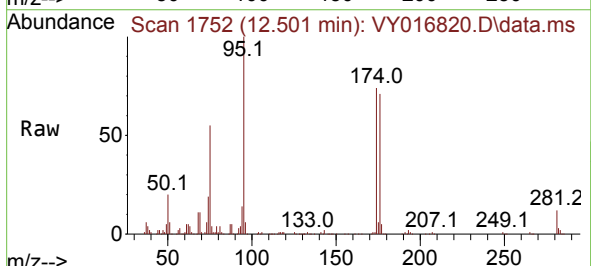
Tgt Ion: 95 Resp: 77720

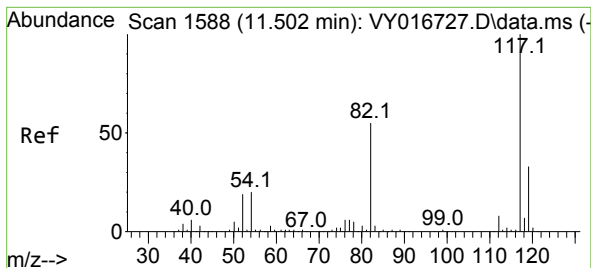
Ion Ratio Lower Upper

95 100

174 79.7 0.0 160.0

176 75.0 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016820.D

Acq: 22 Dec 2023 19:54

Instrument :

MSVOA_Y

ClientSampleId :

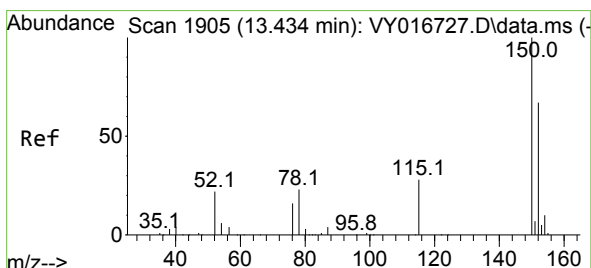
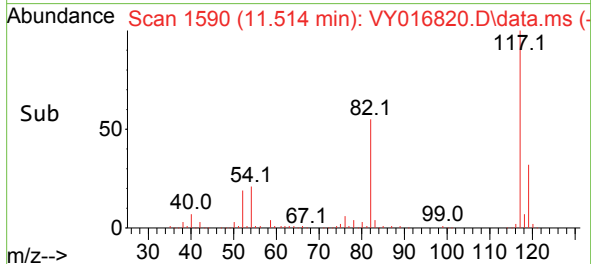
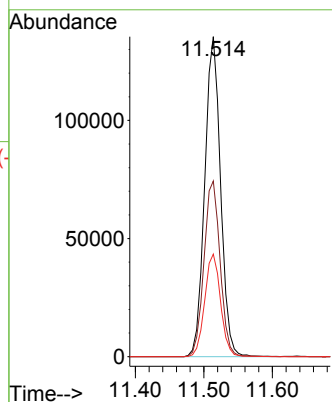
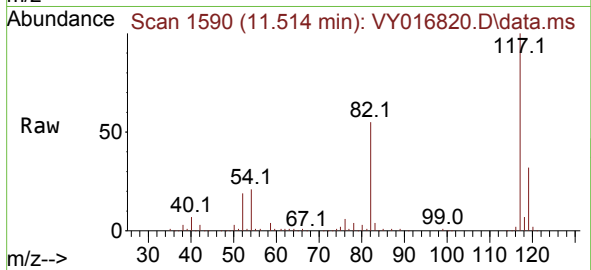
Tgt Ion:117 Resp: 217918

Ion Ratio Lower Upper

117 100

82 54.9 43.8 65.8

119 32.0 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: VY016820.D

Acq: 22 Dec 2023 19:54

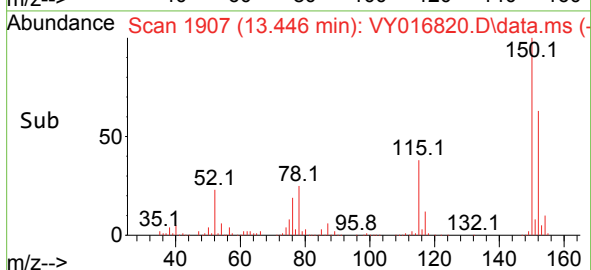
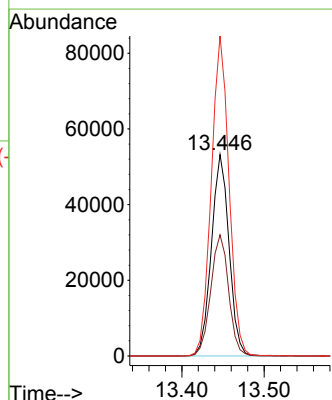
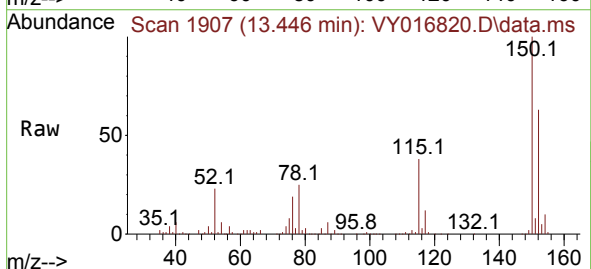
Tgt Ion:152 Resp: 79308

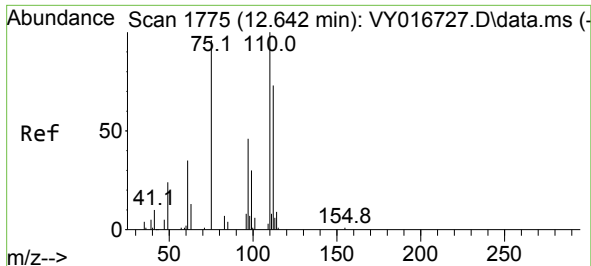
Ion Ratio Lower Upper

152 100

115 60.9 30.0 90.0

150 159.8 0.0 344.6

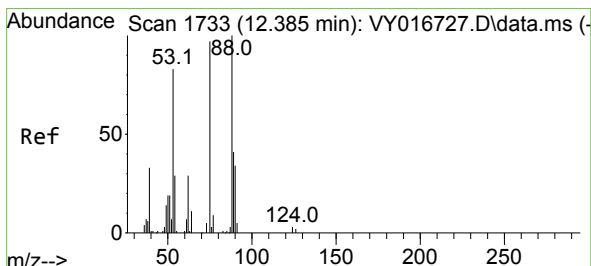
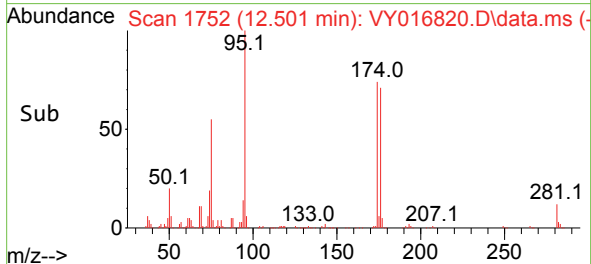
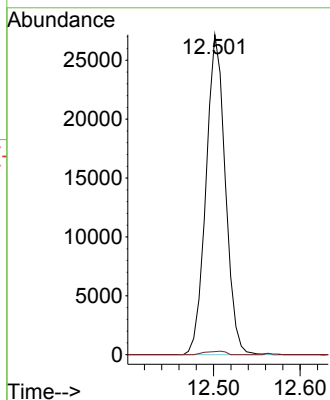
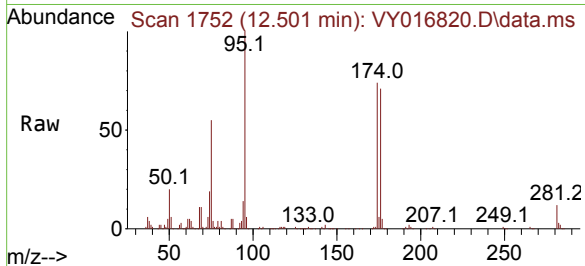




#76
1,2,3-Trichloropropane
Concen: 48.000 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY016820.D
Acq: 22 Dec 2023 19:54

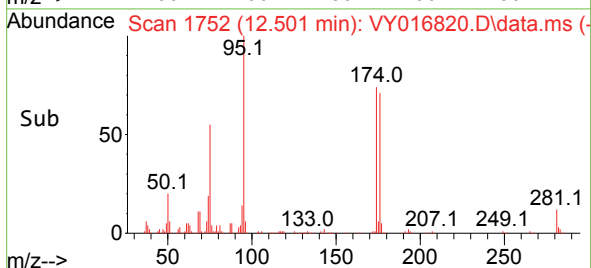
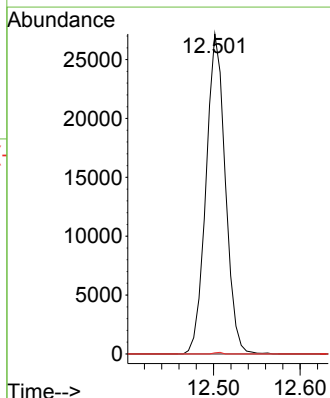
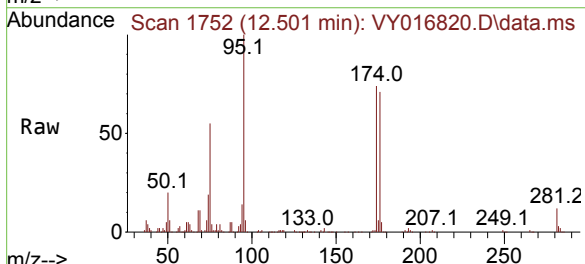
Instrument :
MSVOA_Y
ClientSampleId :

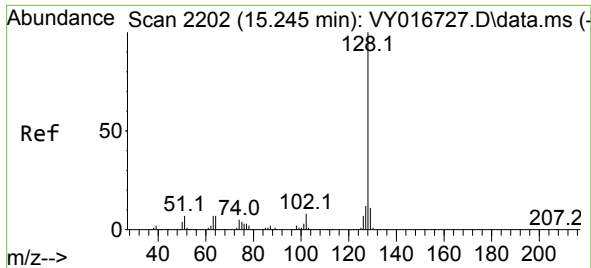
Tgt Ion: 75 Resp: 42082
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.725 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016820.D
Acq: 22 Dec 2023 19:54

Tgt Ion: 75 Resp: 42082
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#





#95

Naphthalene

Concen: 3.623 ug/l

RT: 15.257 min Scan# 21

Delta R.T. 0.012 min

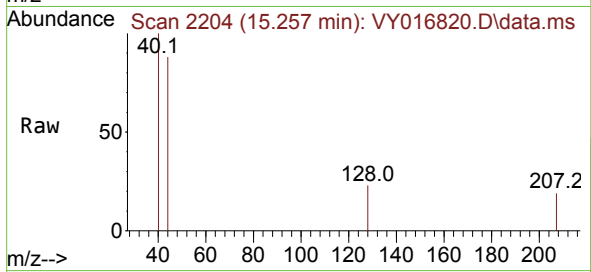
Lab File: VY016820.D

Acq: 22 Dec 2023 19:54

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 81

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 12.8#

