

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016744.D
 Acq On : 21 Dec 2023 06:44
 Operator : SY/MD
 Sample : 05876-13
 Misc : 4.36g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 21 07:12:50 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)

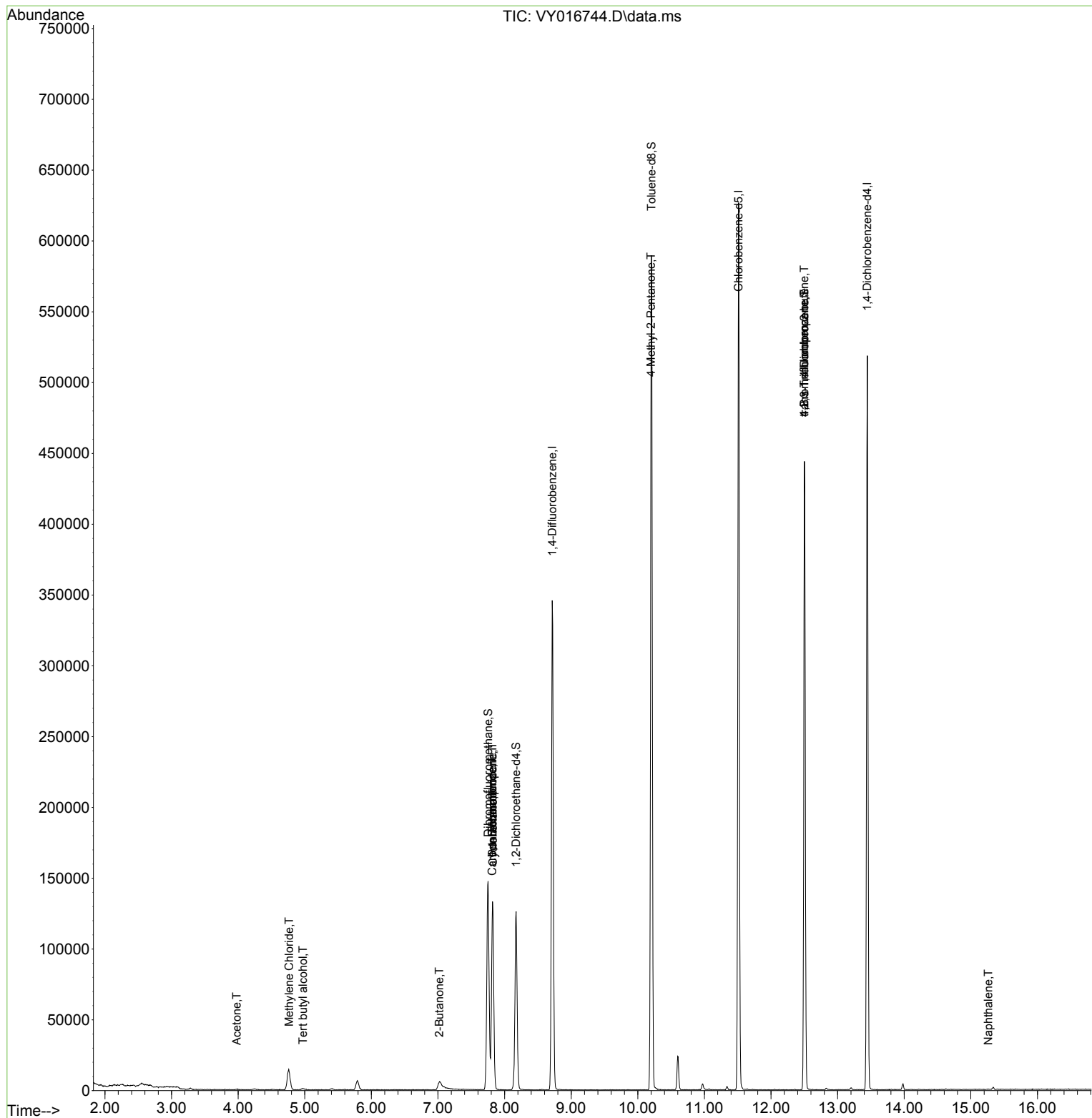
Internal Standards						
1) Pentafluorobenzene	7.819	168	101207	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	295922	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	328260	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	125850	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	95283	103.130	ug/l	0.02
Spiked Amount	50.000	Range 50 - 163	Recovery	= 206.260%#		
35) Dibromofluoromethane	7.752	113	107577	63.463	ug/l	0.02
Spiked Amount	50.000	Range 54 - 147	Recovery	= 126.920%		
50) Toluene-d8	10.203	98	390211	63.857	ug/l	0.01
Spiked Amount	50.000	Range 58 - 134	Recovery	= 127.720%		
62) 4-Bromofluorobenzene	12.502	95	135596	68.397	ug/l	0.01
Spiked Amount	50.000	Range 30 - 143	Recovery	= 136.800%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	1315	17.359	ug/l #	75
16) Acetone	3.979	43	614	2.458	ug/l #	41
20) Methylene Chloride	4.765	84	10942	5.824	ug/l	96
25) 2-Butanone	7.021	43	395	1.148	ug/l #	48
31) Cyclohexane	7.826	56	2178	1.230	ug/l #	1
36) 1,1-Dichloropropene	7.819	75	8875	3.266	ug/l #	48
38) Carbon Tetrachloride	7.813	117	10486	3.899	ug/l #	15
51) 4-Methyl-2-Pentanone	10.197	43	1674	1.389	ug/l #	1
76) 1,2,3-Trichloropropane	12.502	75	71704	51.541	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.502	75	71704	121.041	ug/l #	12
95) Naphthalene	15.263	128	202	3.640	ug/l #	69

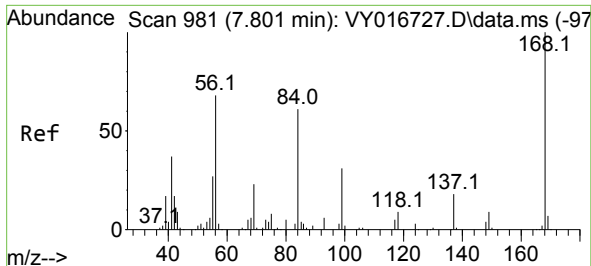
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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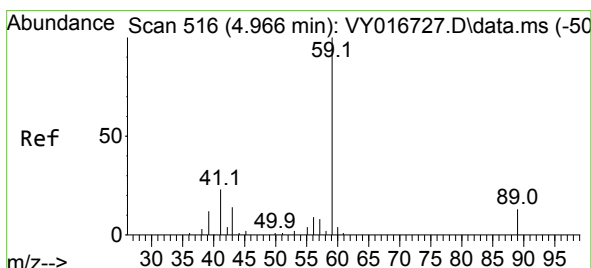
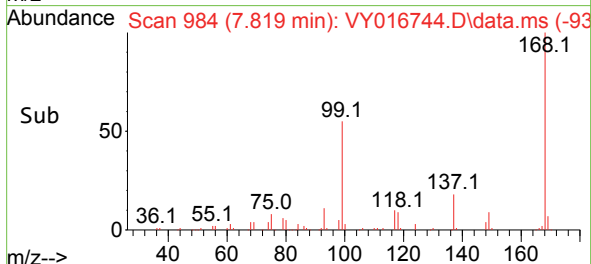
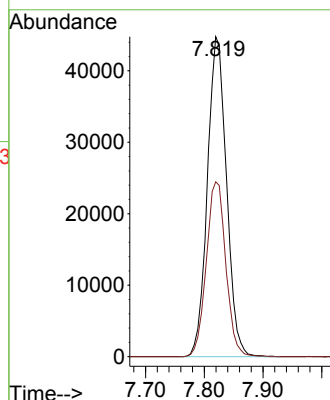
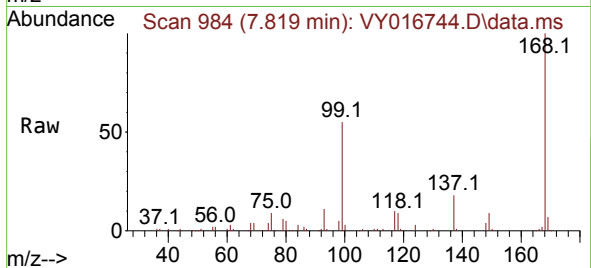




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016744.D
Acq: 21 Dec 2023 06:44

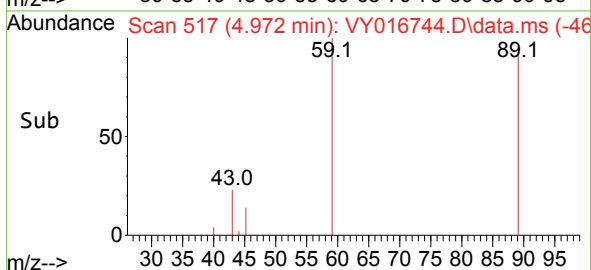
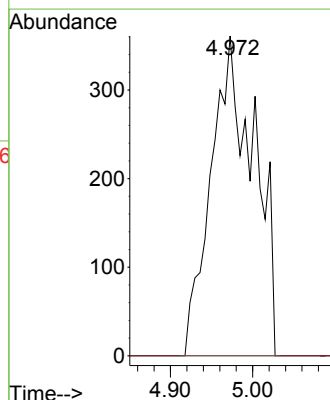
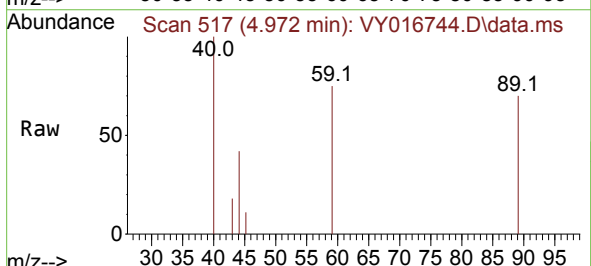
Instrument :
MSVOA_Y
ClientSampleId :

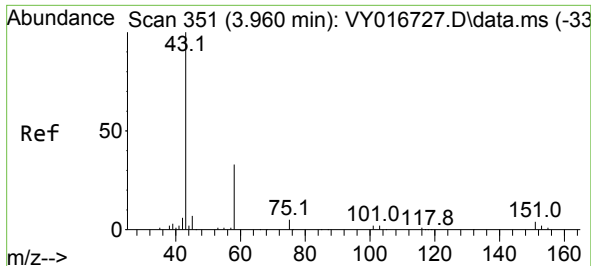
Tgt Ion:168 Resp: 101207
Ion Ratio Lower Upper
168 100
99 54.7 44.2 66.4



#11
Tert butyl alcohol
Concen: 17.359 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016744.D
Acq: 21 Dec 2023 06:44

Tgt Ion: 59 Resp: 1315
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 2.458 ug/l

RT: 3.979 min Scan# 3

Delta R.T. 0.019 min

Lab File: VY016744.D

Acq: 21 Dec 2023 06:44

Instrument :

MSVOA_Y

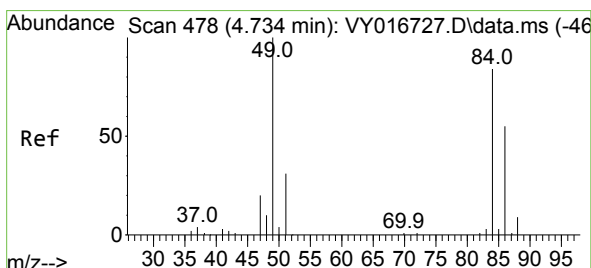
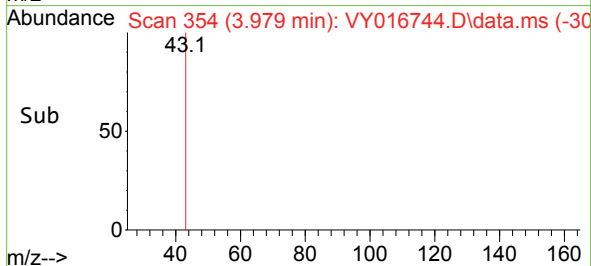
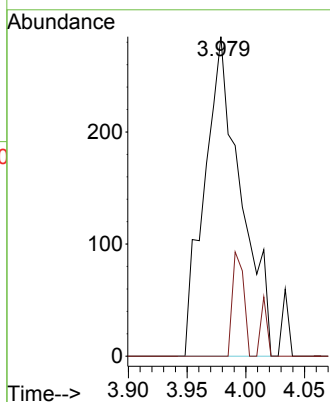
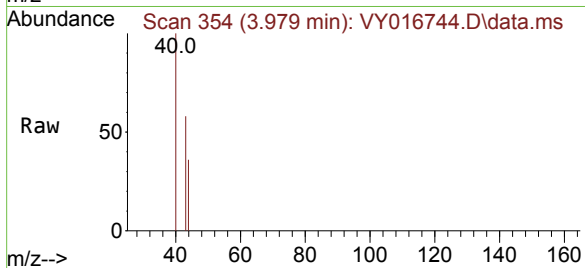
ClientSampleId :

Tgt Ion: 43 Resp: 614

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#20

Methylene Chloride

Concen: 5.824 ug/l

RT: 4.765 min Scan# 483

Delta R.T. 0.031 min

Lab File: VY016744.D

Acq: 21 Dec 2023 06:44

Tgt Ion: 84 Resp: 10942

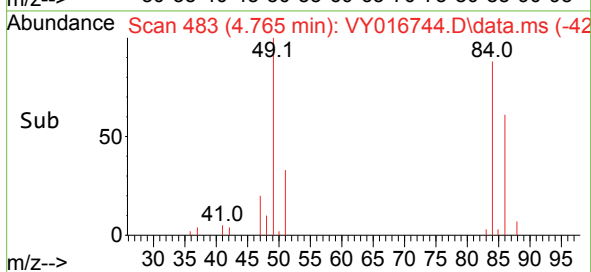
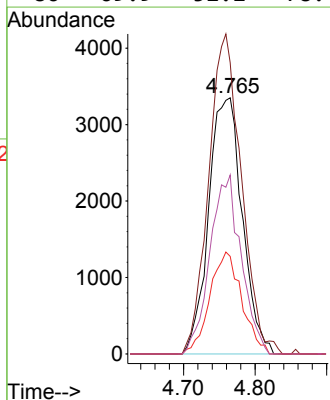
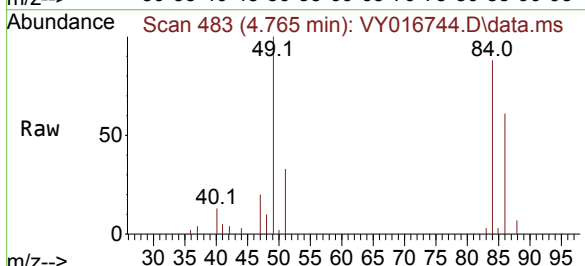
Ion Ratio Lower Upper

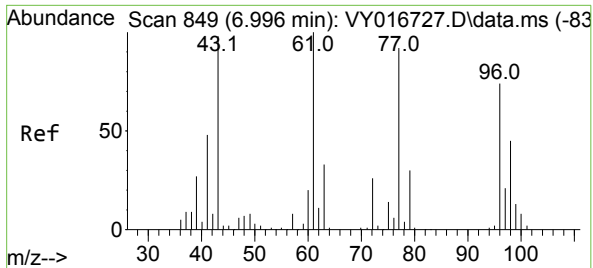
84 100

49 113.7 95.2 142.8

51 38.1 29.9 44.9

86 69.9 52.2 78.4





#25

2-Butanone

Concen: 1.148 ug/l

RT: 7.021 min Scan# 849

Delta R.T. 0.025 min

Lab File: VY016744.D

Acq: 21 Dec 2023 06:44

Instrument :

MSVOA_Y

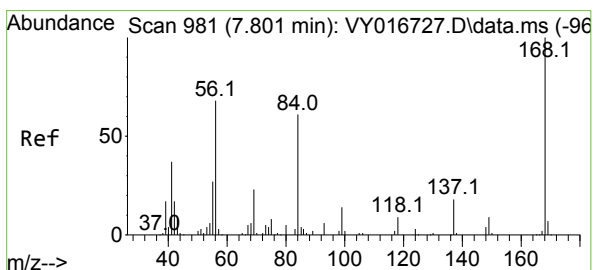
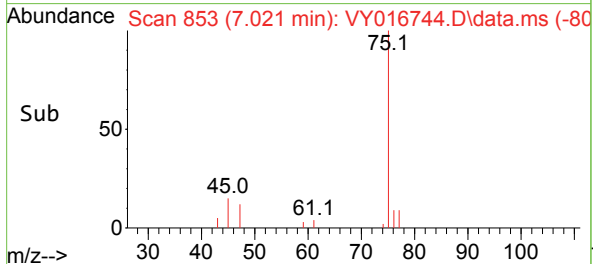
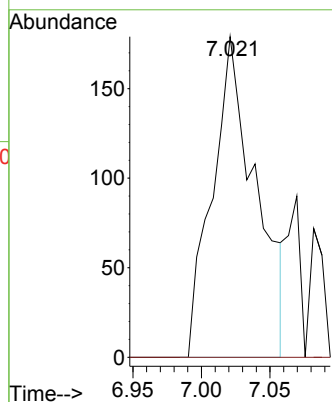
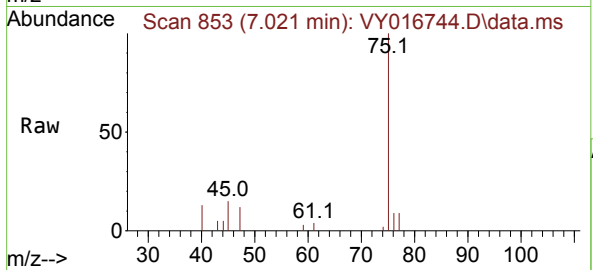
ClientSampleId :

Tgt Ion: 43 Resp: 395

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.230 ug/l

RT: 7.826 min Scan# 985

Delta R.T. 0.025 min

Lab File: VY016744.D

Acq: 21 Dec 2023 06:44

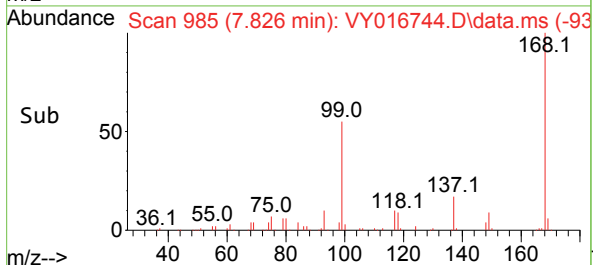
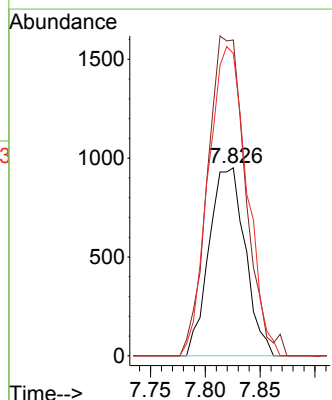
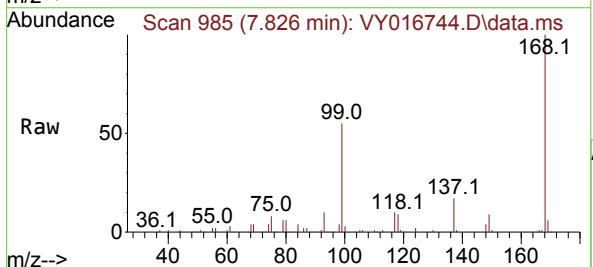
Tgt Ion: 56 Resp: 2178

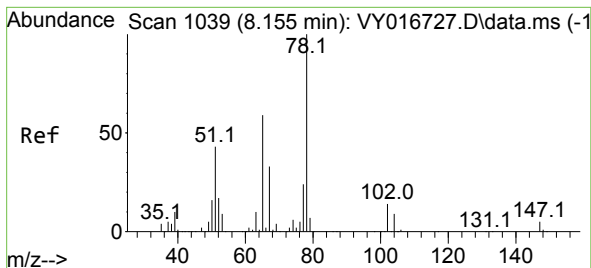
Ion Ratio Lower Upper

56 100

69 168.0 27.0 40.6#

84 160.9 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 103.130 ug/l

RT: 8.173 min Scan# 1103

Delta R.T. 0.019 min

Lab File: VY016744.D

Acq: 21 Dec 2023 06:44

Instrument :

MSVOA_Y

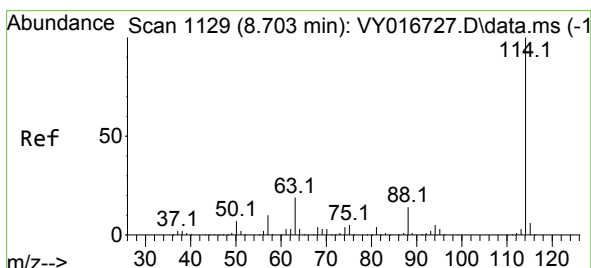
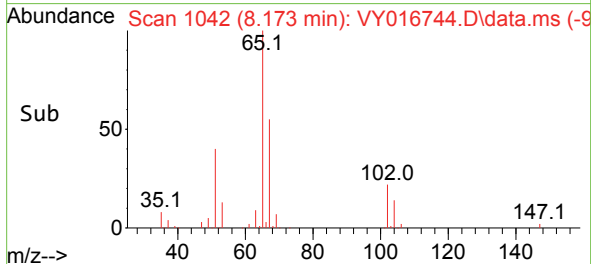
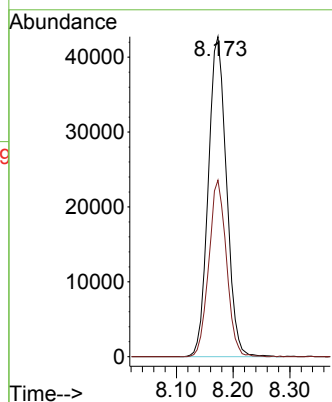
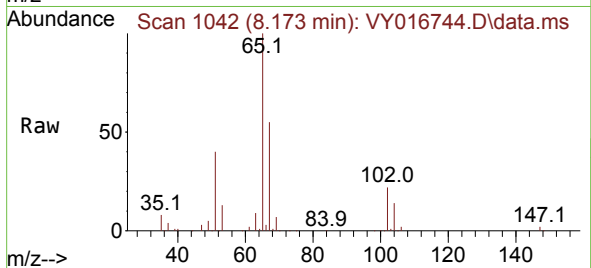
ClientSampleId :

Tgt Ion: 65 Resp: 95283

Ion Ratio Lower Upper

65 100

67 53.3 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: VY016744.D

Acq: 21 Dec 2023 06:44

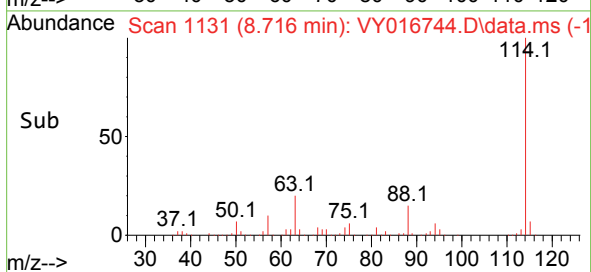
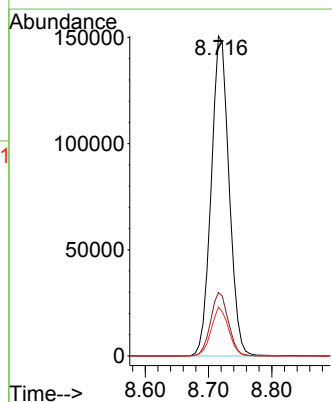
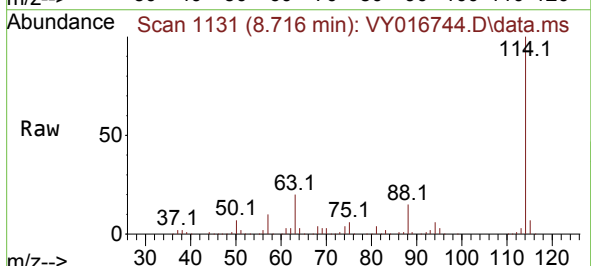
Tgt Ion:114 Resp: 295922

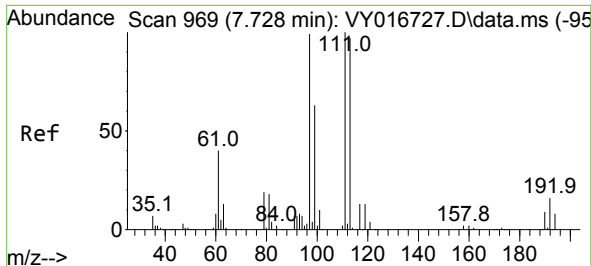
Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

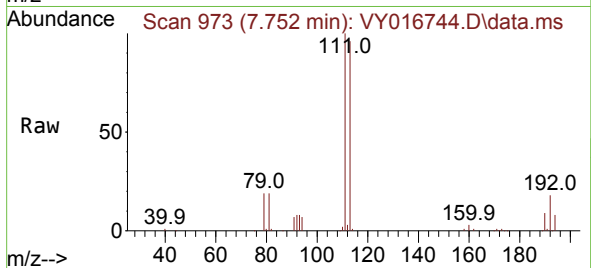
88 15.3 0.0 29.0



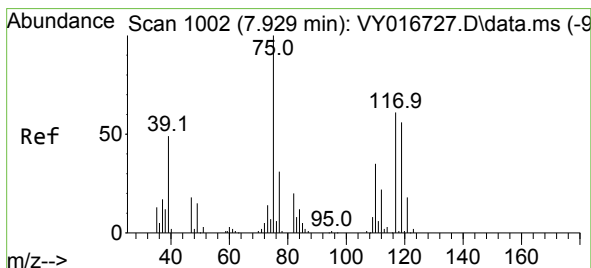
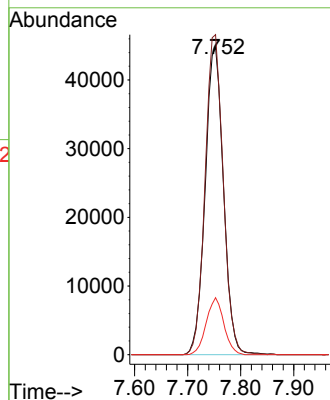
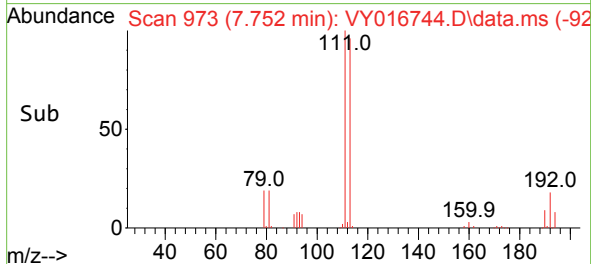


#35
Dibromofluoromethane
Concen: 63.463 ug/l
RT: 7.752 min Scan# 911
Delta R.T. 0.025 min
Lab File: VY016744.D
Acq: 21 Dec 2023 06:44

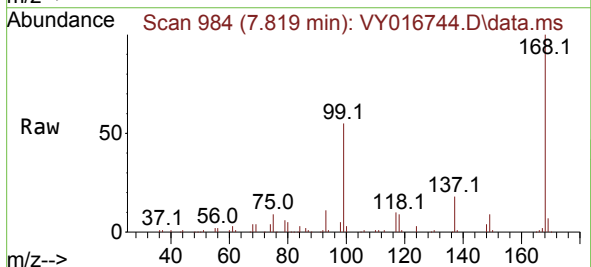
Instrument :
MSVOA_Y
ClientSampleId :



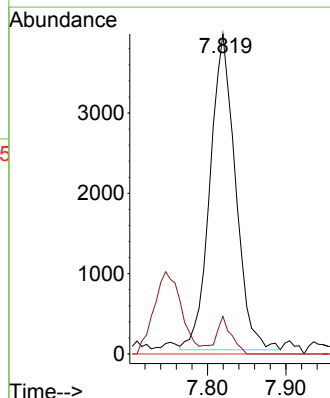
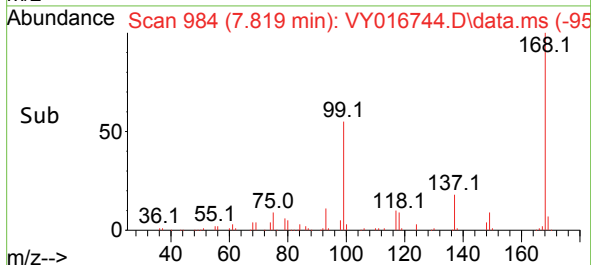
Tgt Ion:113 Resp: 107577
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.6
192 17.9 14.5 21.7

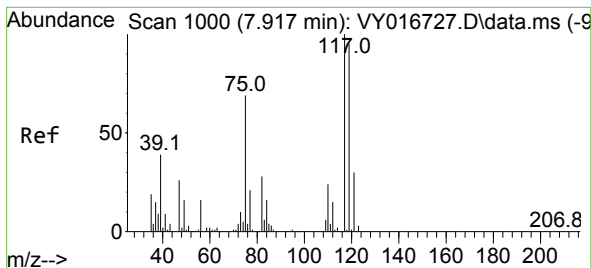


#36
1,1-Dichloropropene
Concen: 3.266 ug/l
RT: 7.819 min Scan# 984
Delta R.T. -0.109 min
Lab File: VY016744.D
Acq: 21 Dec 2023 06:44



Tgt Ion: 75 Resp: 8875
Ion Ratio Lower Upper
75 100
110 6.6 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 3.899 ug/l

RT: 7.813 min Scan# 91

Delta R.T. -0.103 min

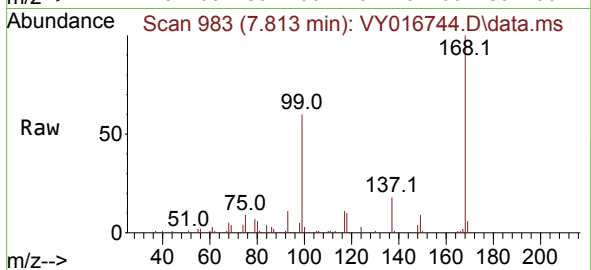
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Acq: 21 Dec 2023 06:44

Instrument :

MSVOA_Y

ClientSampleId :



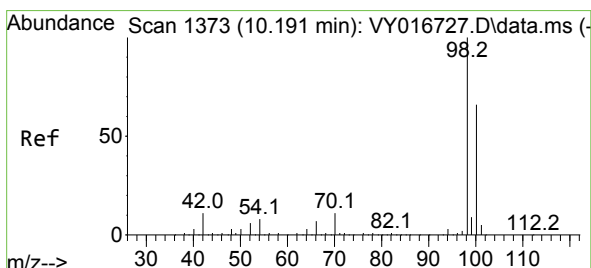
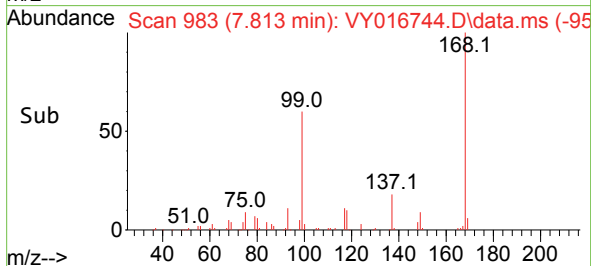
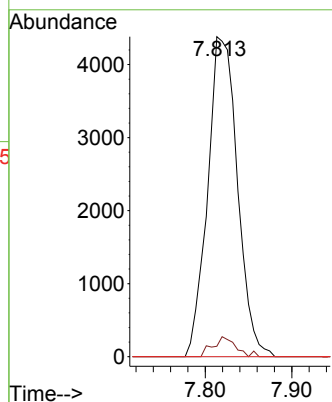
Tgt Ion:117 Resp: 10486

Ion Ratio Lower Upper

117 100

119 3.3 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 63.857 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016744.D

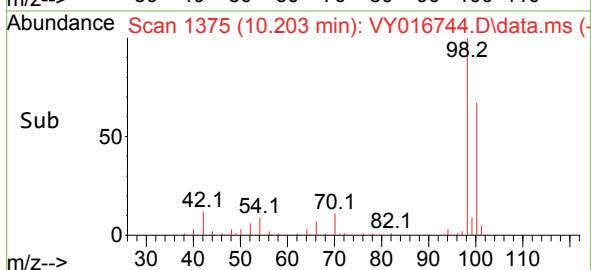
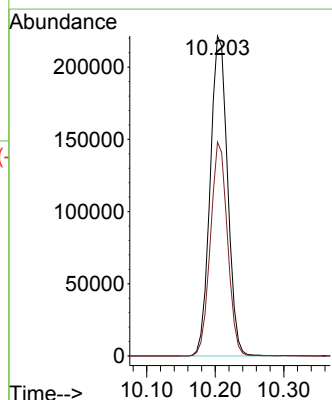
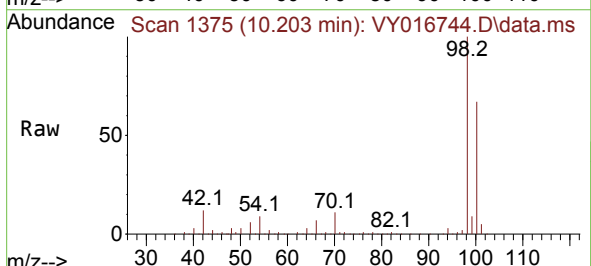
Acq: 21 Dec 2023 06:44

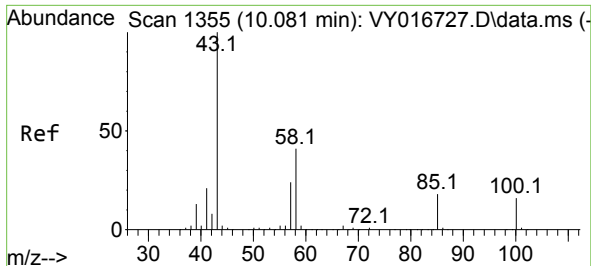
Tgt Ion: 98 Resp: 390211

Ion Ratio Lower Upper

98 100

100 65.6 52.3 78.5

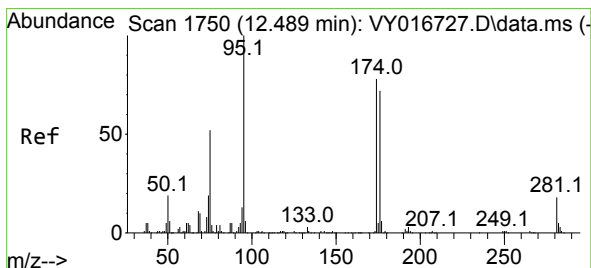
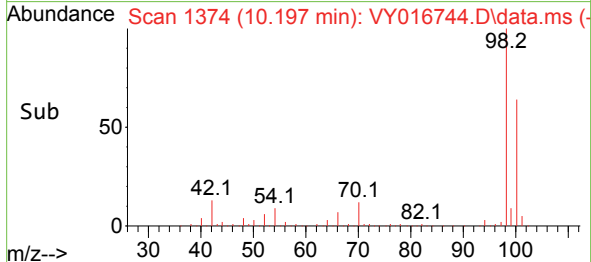
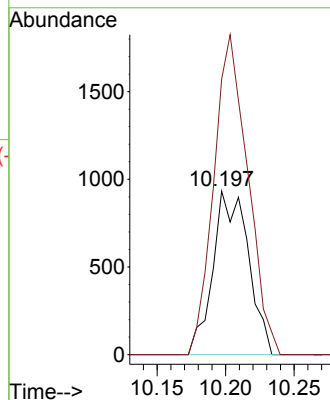
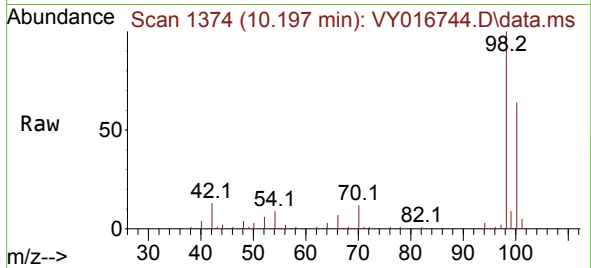




#51
4-Methyl-2-Pentanone
Concen: 1.389 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016744.D
Acq: 21 Dec 2023 06:44

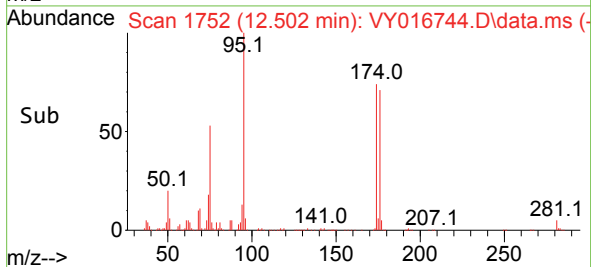
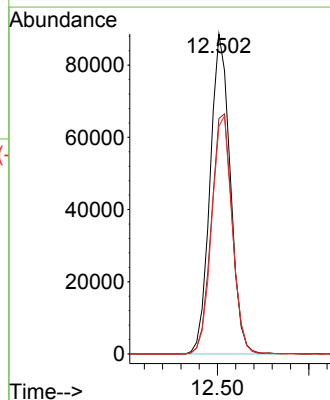
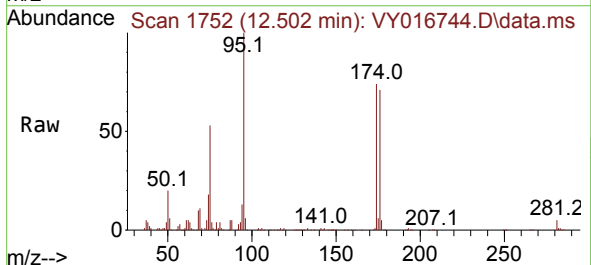
Instrument :
MSVOA_Y
ClientSampleId :

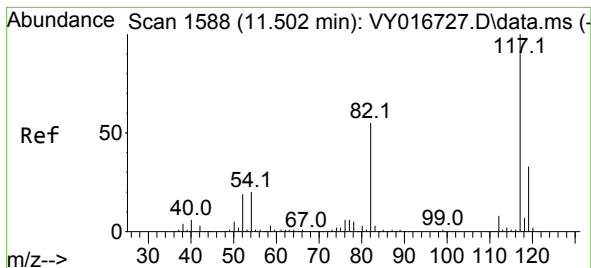
Tgt Ion: 43 Resp: 1674
Ion Ratio Lower Upper
43 100
58 188.3 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 68.397 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY016744.D
Acq: 21 Dec 2023 06:44

Tgt Ion: 95 Resp: 135596
Ion Ratio Lower Upper
95 100
174 77.9 0.0 160.0
176 75.7 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: VY016744.D

Acq: 21 Dec 2023 06:44

Instrument :

MSVOA_Y

ClientSampleId :

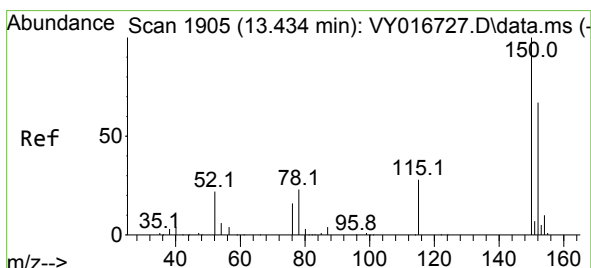
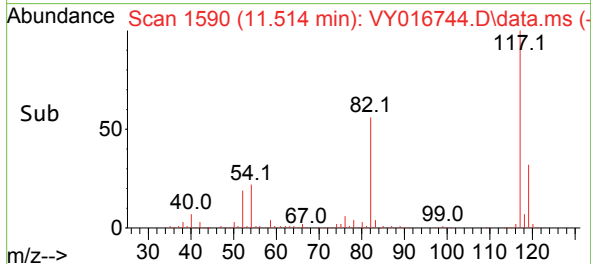
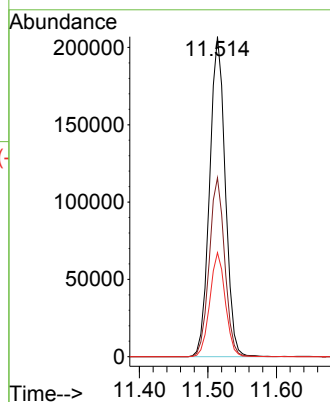
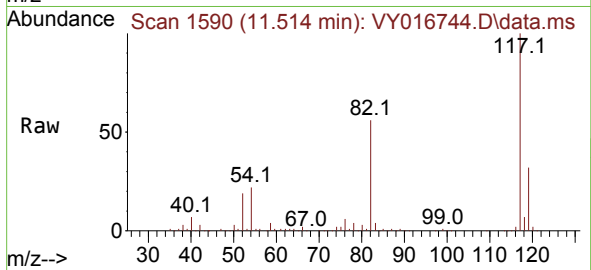
Tgt Ion:117 Resp: 328260

Ion Ratio Lower Upper

117 100

82 55.9 43.8 65.8

119 32.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY016744.D

Acq: 21 Dec 2023 06:44

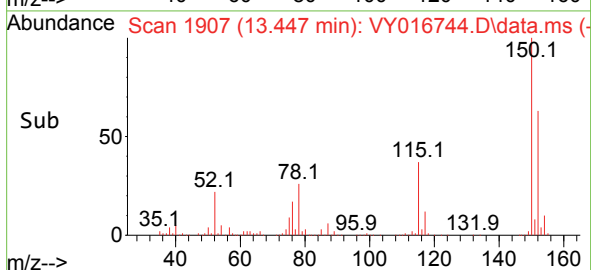
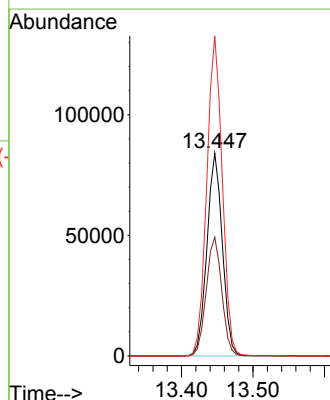
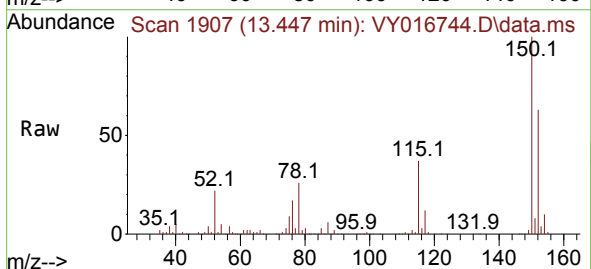
Tgt Ion:152 Resp: 125850

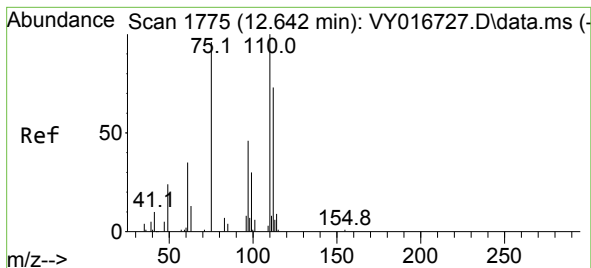
Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 158.6 0.0 344.6

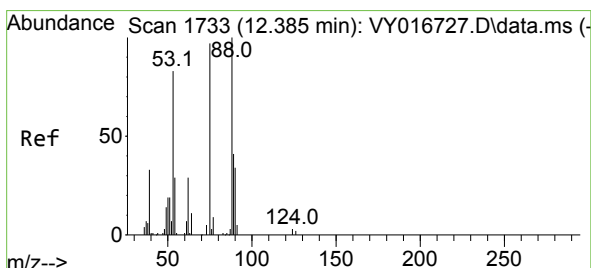
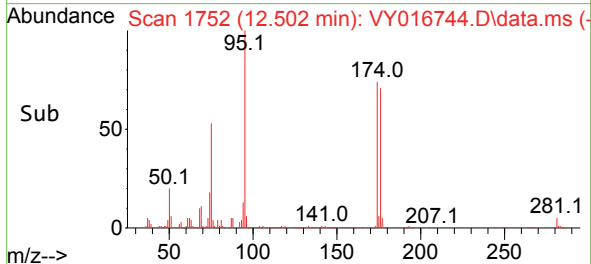
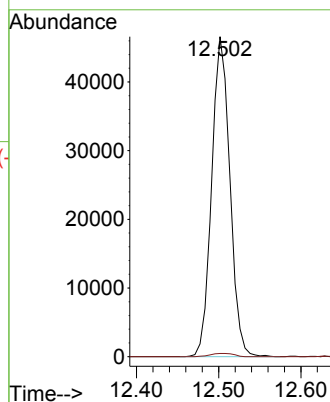
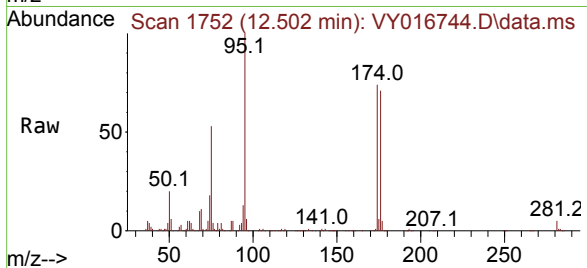




#76
1,2,3-Trichloropropane
Concen: 51.541 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY016744.D
Acq: 21 Dec 2023 06:44

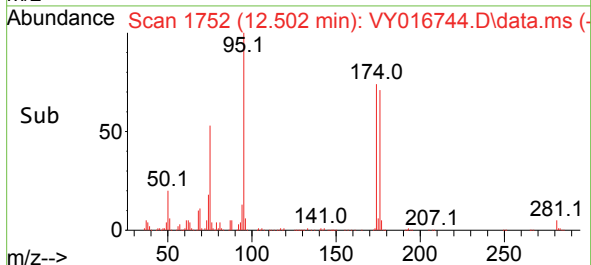
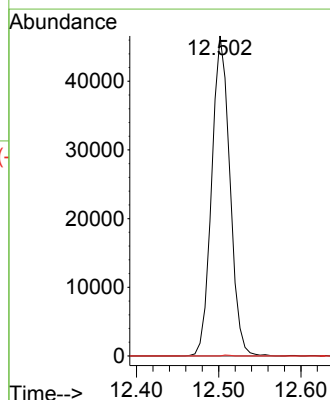
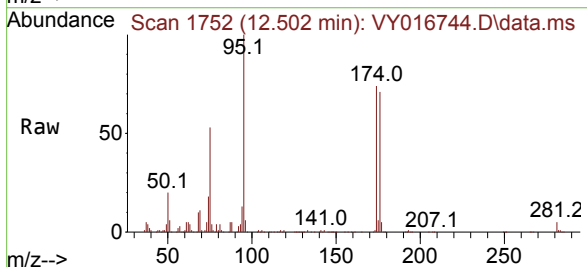
Instrument :
MSVOA_Y
ClientSampleId :

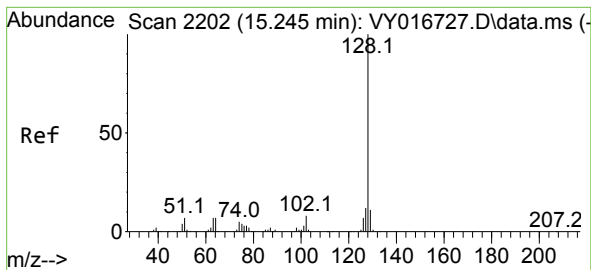
Tgt Ion: 75 Resp: 71704
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.041 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016744.D
Acq: 21 Dec 2023 06:44

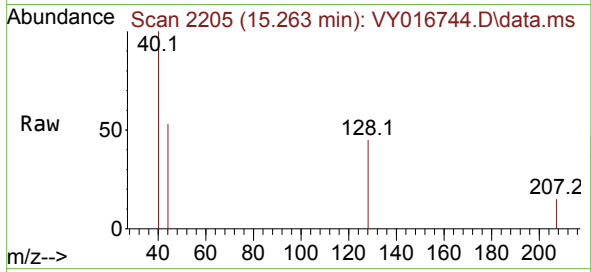
Tgt Ion: 75 Resp: 71704
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#





#95
Naphthalene
Concen: 3.640 ug/l
RT: 15.263 min Scan# 21
Delta R.T. 0.018 min
Lab File: VY016744.D
Acq: 21 Dec 2023 06:44

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 202
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

