

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020624\
 Data File : VY017261.D
 Acq On : 06 Feb 2024 13:51
 Operator : SY/MD
 Sample : P1318-01RE
 Misc : 8.95g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CO-11-GRID-1RE

Quant Time: Feb 07 00:08:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

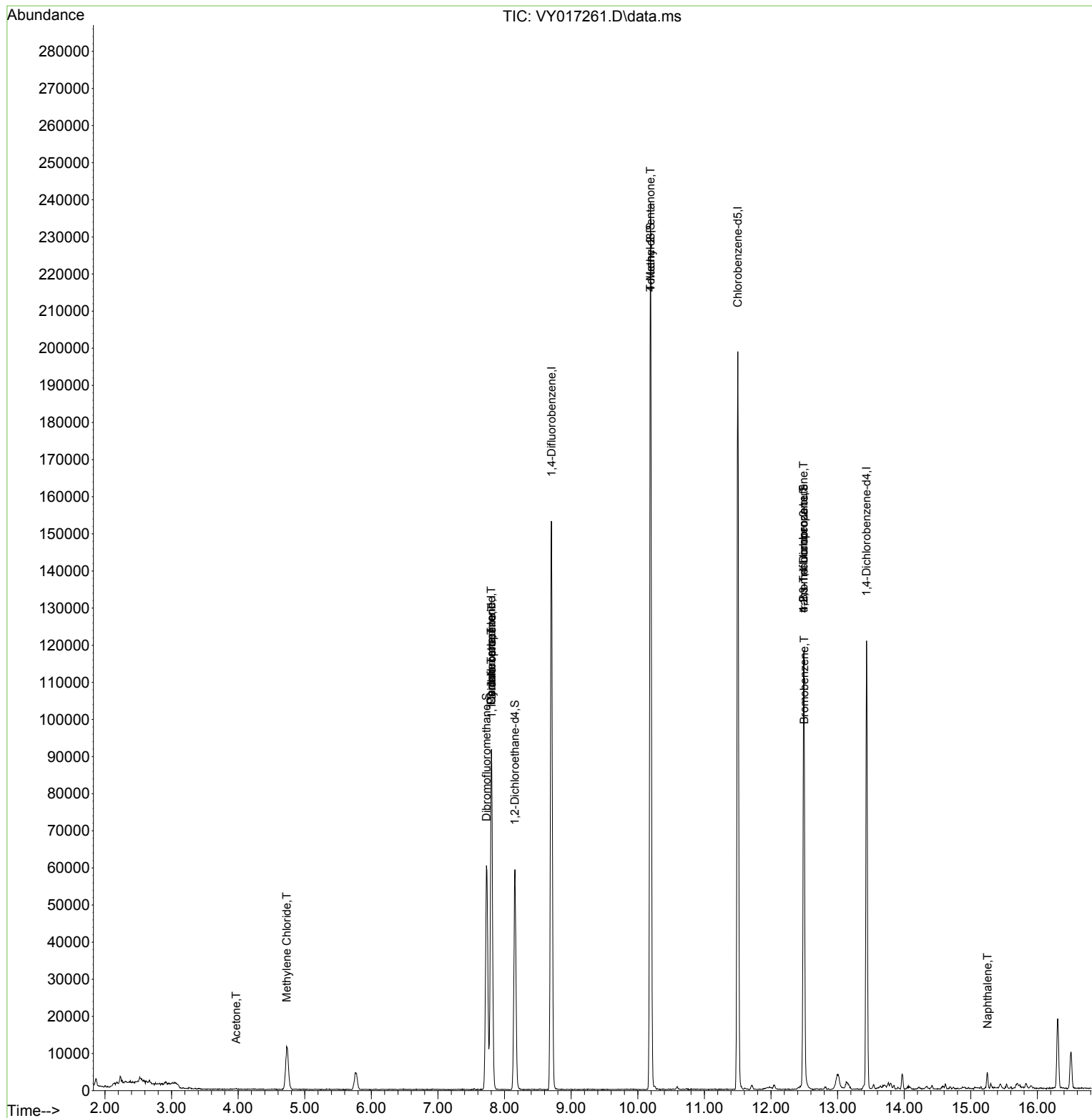
Internal Standards						
1) Pentafluorobenzene	7.801	168	68349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	129590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	104623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	29388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	44079	72.191	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.380%	
35) Dibromofluoromethane	7.728	113	43783	62.574	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.140%	
50) Toluene-d8	10.191	98	149801	58.802	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.600%	
62) 4-Bromofluorobenzene	12.489	95	35614	42.675	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.360%	
Target Compounds						
					Qvalue	
16) Acetone	3.973	43	276	1.538	ug/l #	41
20) Methylene Chloride	4.729	84	8321	8.407	ug/l	95
31) Cyclohexane	7.801	56	1613	1.311	ug/l #	12
36) 1,1-Dichloropropene	7.807	75	6072	5.031	ug/l #	49
38) Carbon Tetrachloride	7.801	117	7005	6.062	ug/l #	17
51) 4-Methyl-2-Pentanone	10.191	43	722	1.359	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	19458	71.735	ug/l #	100
77) Bromobenzene	12.502	156	2100	4.385	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.489	75	19458	149.057	ug/l #	12
95) Naphthalene	15.251	128	3595	7.727	ug/l #	96

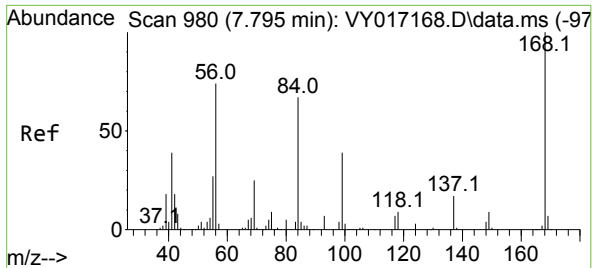
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CO-11-GRID-1RE

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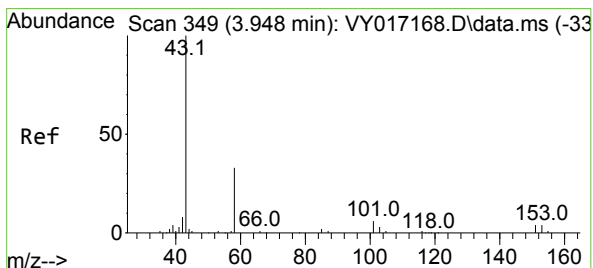
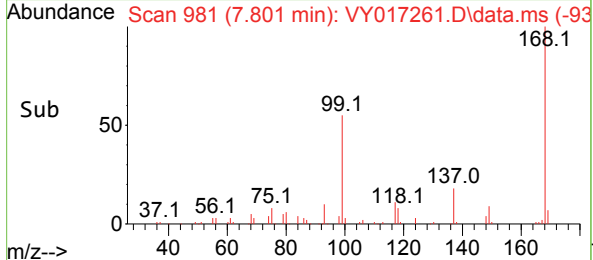
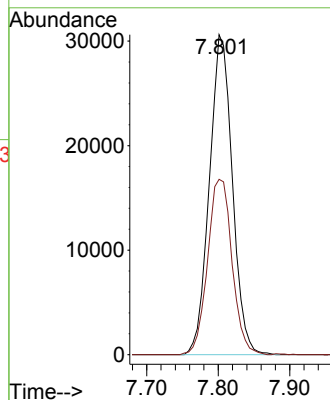
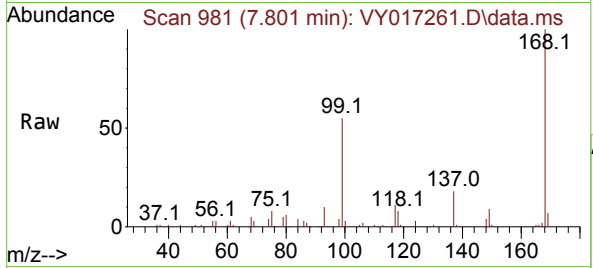




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017261.D
Acq: 06 Feb 2024 13:51

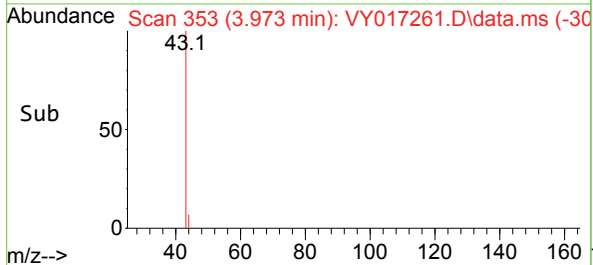
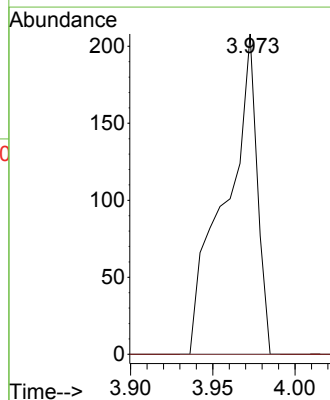
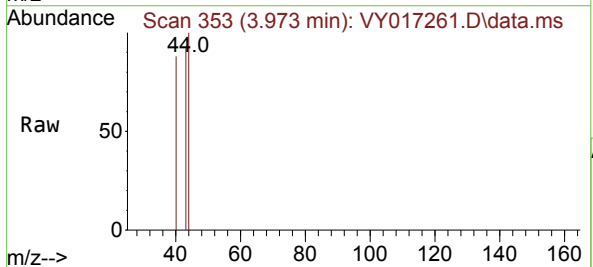
Instrument :
MSVOA_Y
ClientSampleId :
CO-11-GRID-1RE

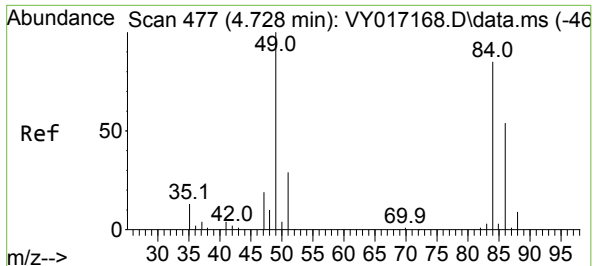
Tgt Ion:168 Resp: 68349
Ion Ratio Lower Upper
168 100
99 54.8 44.2 66.4



#16
Acetone
Concen: 1.538 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.025 min
Lab File: VY017261.D
Acq: 06 Feb 2024 13:51

Tgt Ion: 43 Resp: 276
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#





#20

Methylene Chloride

Concen: 8.407 ug/l

RT: 4.729 min Scan# 41

Delta R.T. 0.001 min

Lab File: VY017261.D

Acq: 06 Feb 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

CO-11-GRID-1RE

Tgt Ion: 84 Resp: 8321

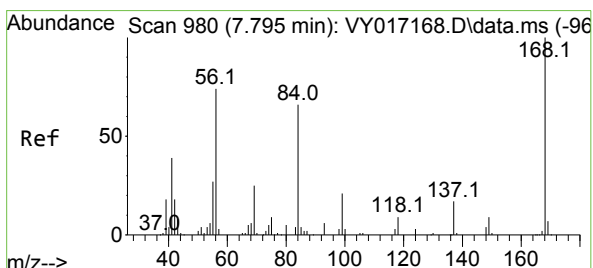
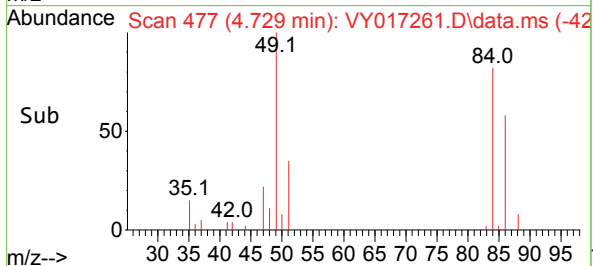
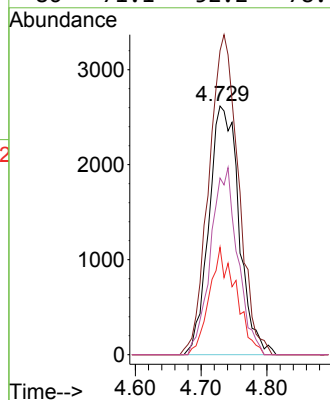
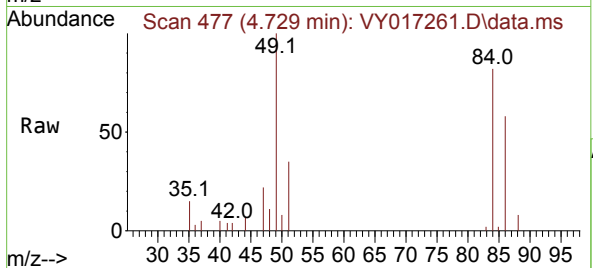
Ion Ratio Lower Upper

84 100

49 122.3 95.2 142.8

51 43.2 29.9 44.9

86 71.1 52.2 78.4



#31

Cyclohexane

Concen: 1.311 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.007 min

Lab File: VY017261.D

Acq: 06 Feb 2024 13:51

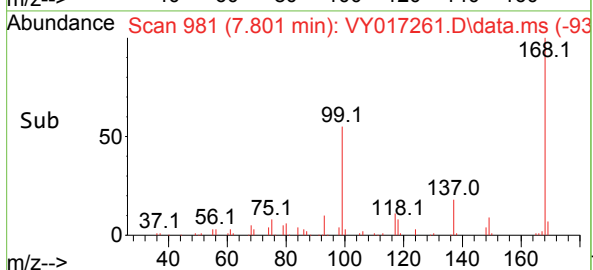
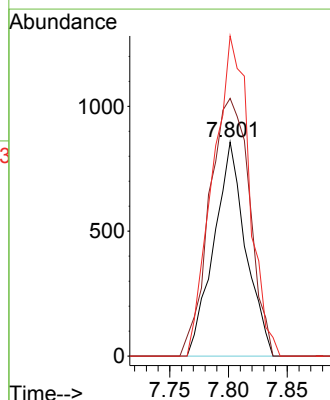
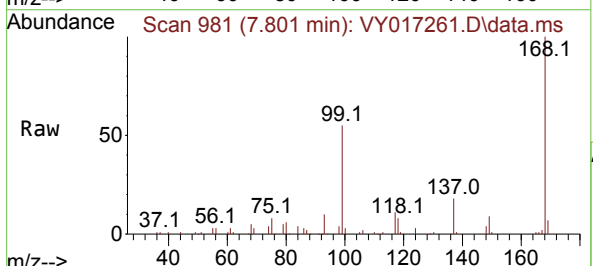
Tgt Ion: 56 Resp: 1613

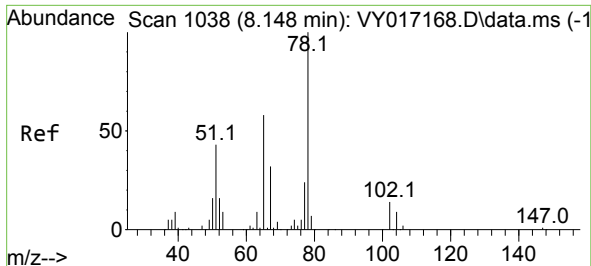
Ion Ratio Lower Upper

56 100

69 120.4 27.0 40.6#

84 149.6 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 72.191 ug/l

RT: 8.155 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY017261.D

Acq: 06 Feb 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

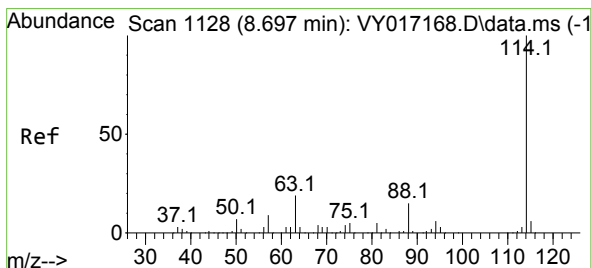
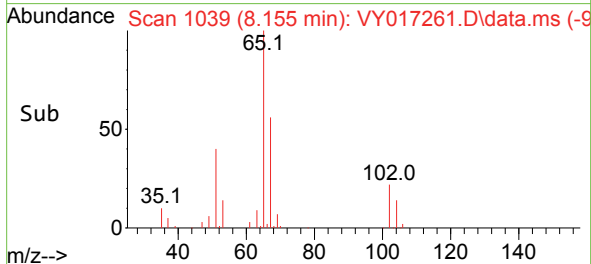
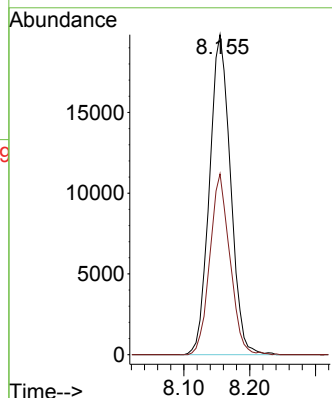
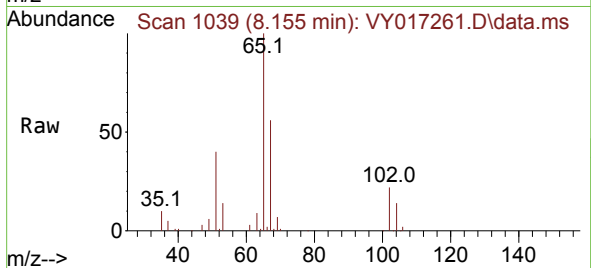
CO-11-GRID-1RE

Tgt Ion: 65 Resp: 44079

Ion Ratio Lower Upper

65 100

67 53.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. 0.007 min

Lab File: VY017261.D

Acq: 06 Feb 2024 13:51

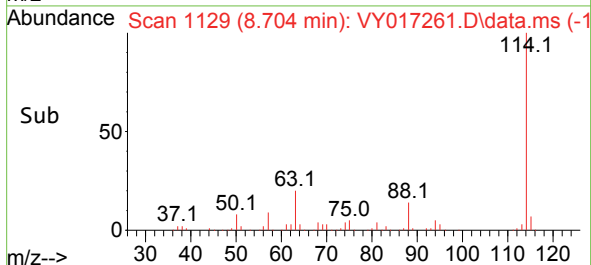
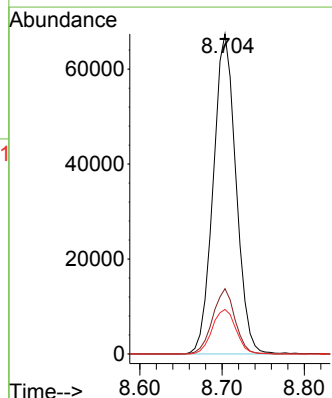
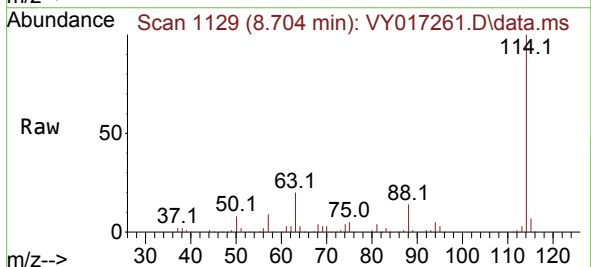
Tgt Ion: 114 Resp: 129590

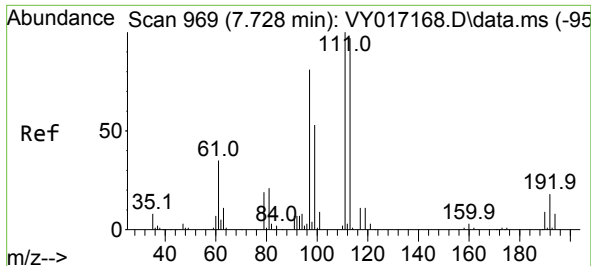
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 13.9 0.0 29.0

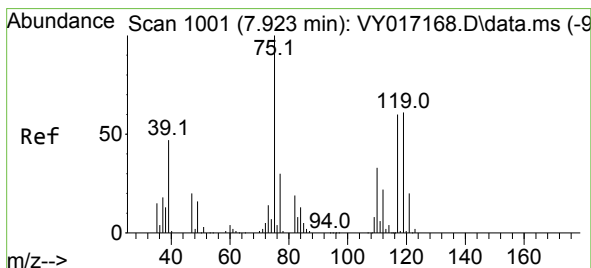
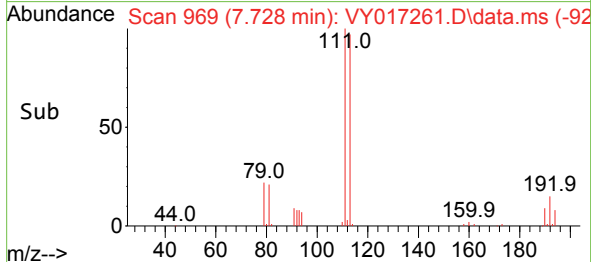
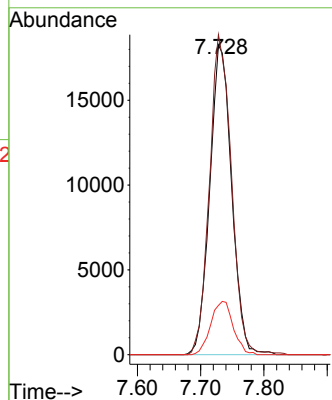
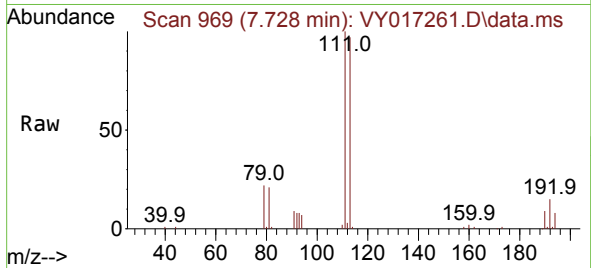




#35
Dibromofluoromethane
Concen: 62.574 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY017261.D
Acq: 06 Feb 2024 13:51

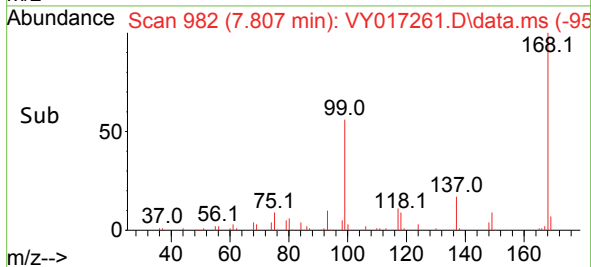
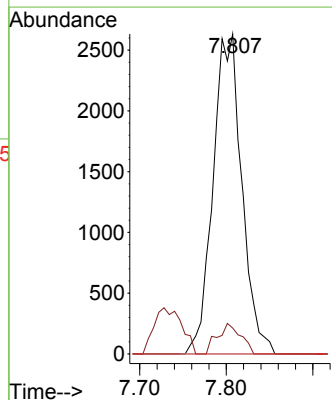
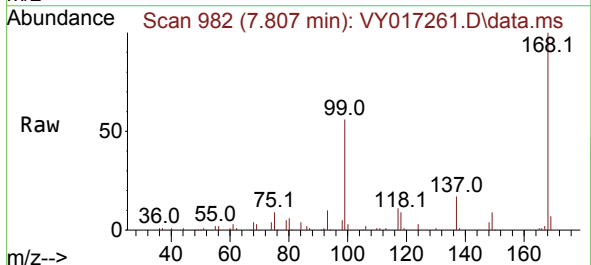
Instrument :
MSVOA_Y
ClientSampleId :
CO-11-GRID-1RE

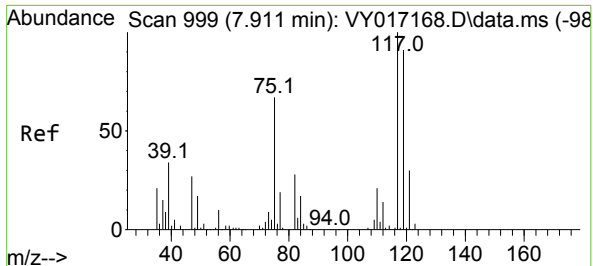
Tgt Ion:113 Resp: 43783
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.6
192 17.8 14.5 21.7



#36
1,1-Dichloropropene
Concen: 5.031 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.115 min
Lab File: VY017261.D
Acq: 06 Feb 2024 13:51

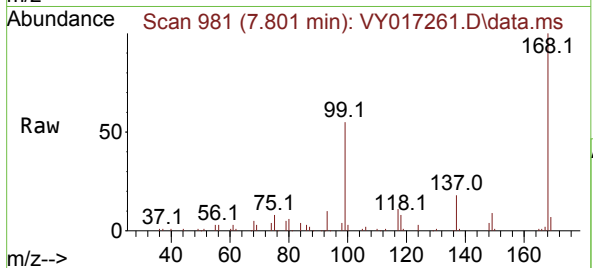
Tgt Ion: 75 Resp: 6072
Ion Ratio Lower Upper
75 100
110 7.7 17.4 52.3#
77 0.0 24.7 37.1#



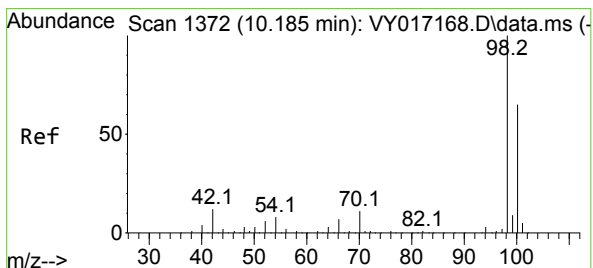
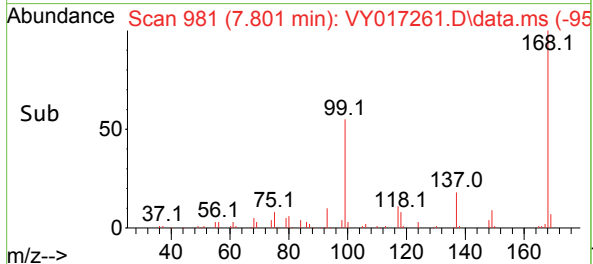
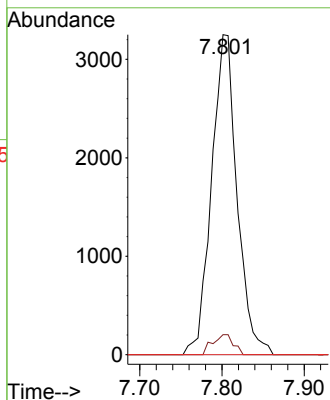


#38
Carbon Tetrachloride
Concen: 6.062 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY017261.D
Acq: 06 Feb 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :
CO-11-GRID-1RE

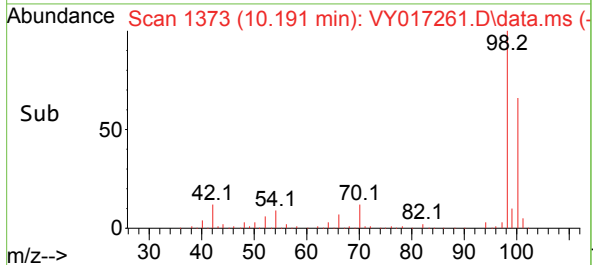
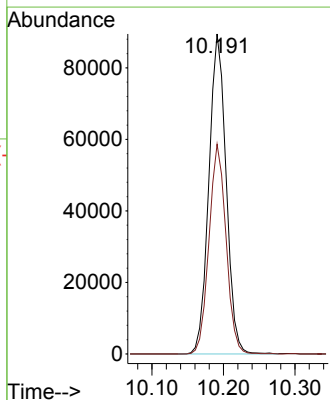
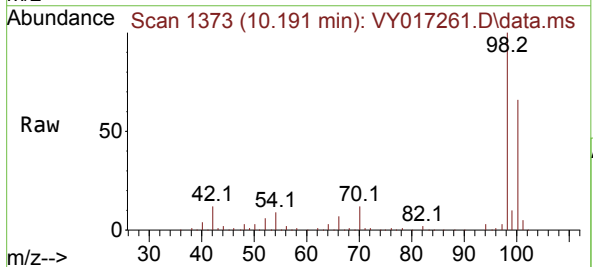


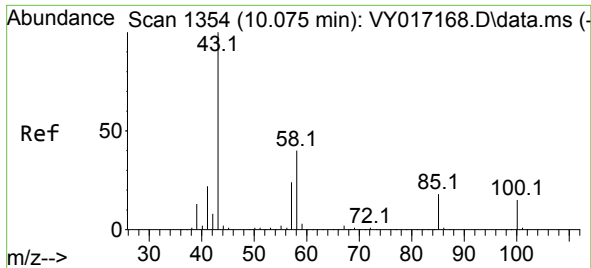
Tgt Ion:117 Resp: 7005
Ion Ratio Lower Upper
117 100
119 6.2 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 58.802 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.007 min
Lab File: VY017261.D
Acq: 06 Feb 2024 13:51

Tgt Ion: 98 Resp: 149801
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5

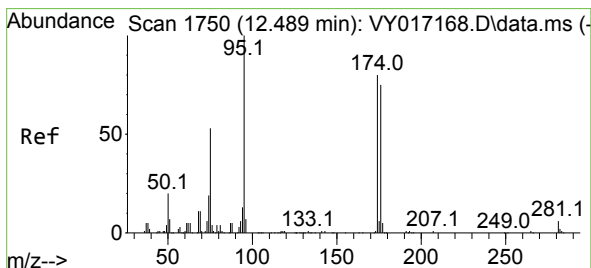
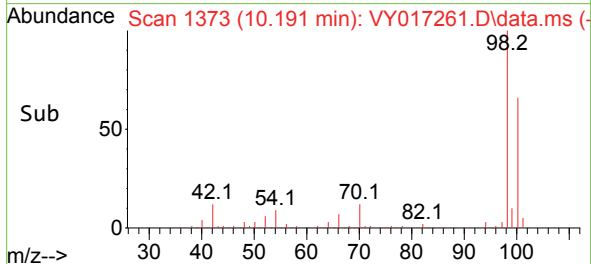
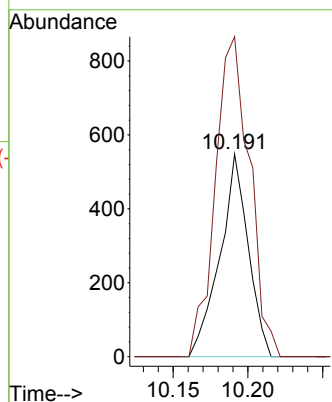
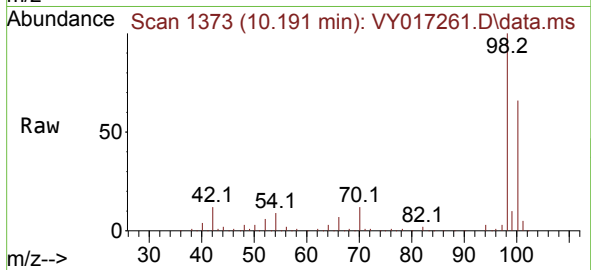




#51
4-Methyl-2-Pentanone
Concen: 1.359 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY017261.D
Acq: 06 Feb 2024 13:51

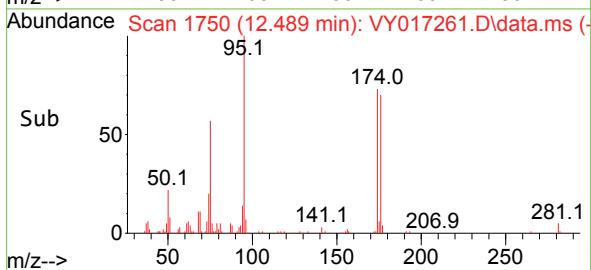
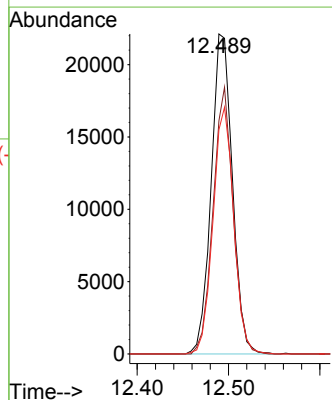
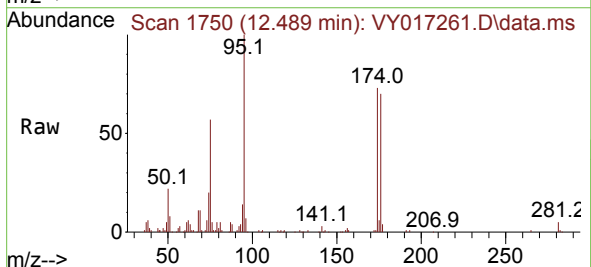
Instrument :
MSVOA_Y
ClientSampleId :
CO-11-GRID-1RE

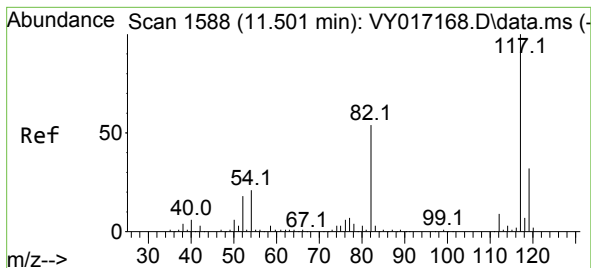
Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 191.0 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 42.675 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017261.D
Acq: 06 Feb 2024 13:51

Tgt Ion: 95 Resp: 35614
Ion Ratio Lower Upper
95 100
174 78.9 0.0 160.0
176 75.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017261.D

Acq: 06 Feb 2024 13:51

Instrument :

MSVOA_Y

ClientSampleId :

CO-11-GRID-1RE

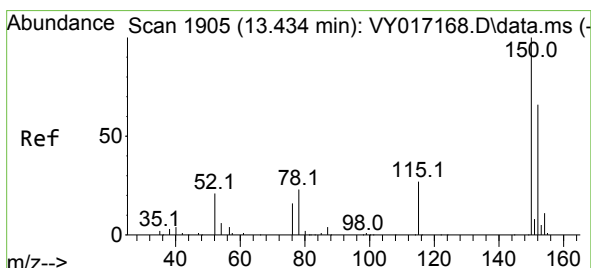
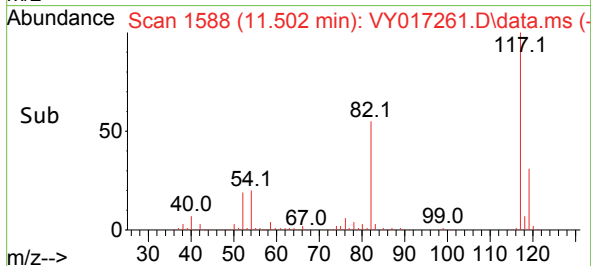
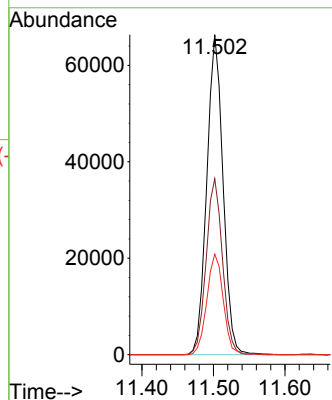
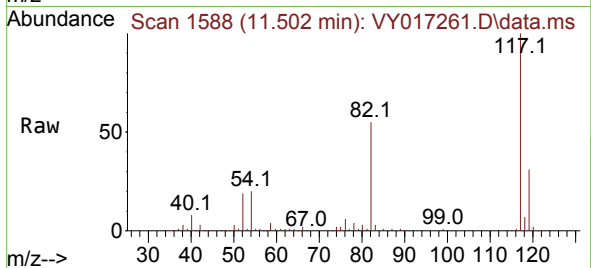
Tgt Ion:117 Resp: 104623

Ion Ratio Lower Upper

117 100

82 55.0 43.8 65.8

119 31.4 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017261.D

Acq: 06 Feb 2024 13:51

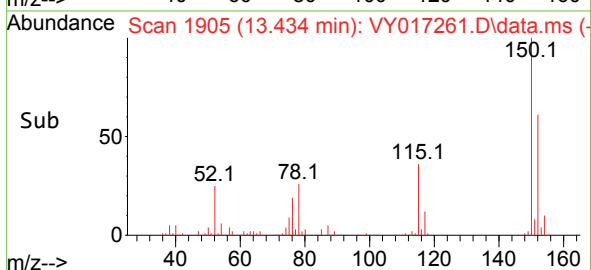
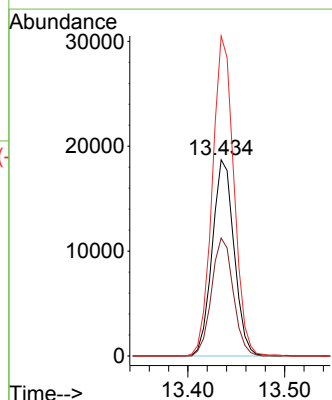
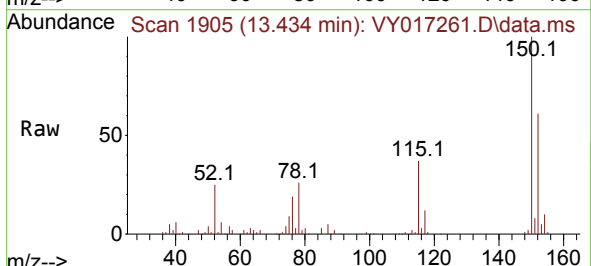
Tgt Ion:152 Resp: 29388

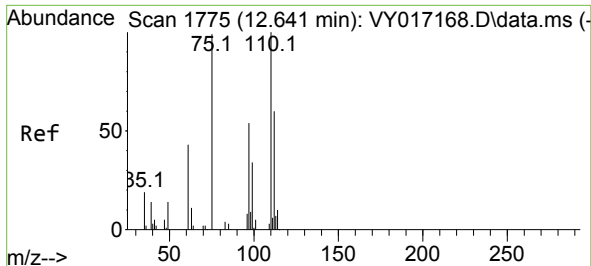
Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.0

150 160.4 0.0 344.6

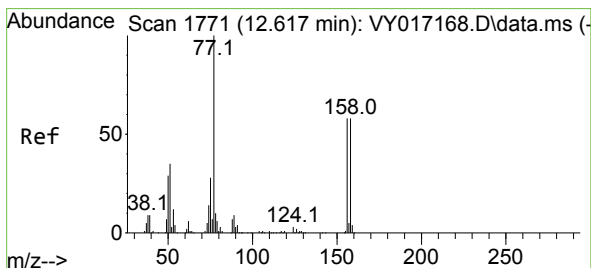
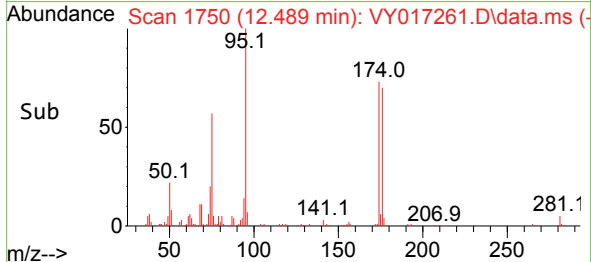
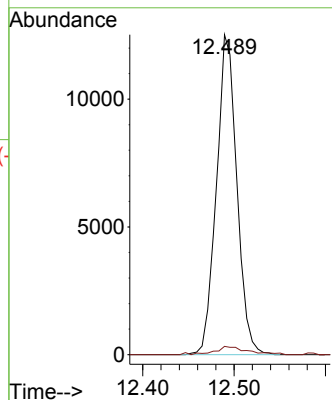
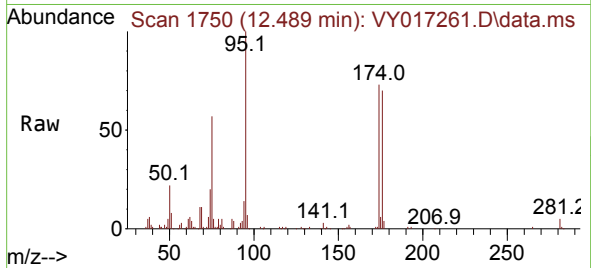




#76
1,2,3-Trichloropropane
Concen: 71.735 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY017261.D
Acq: 06 Feb 2024 13:51

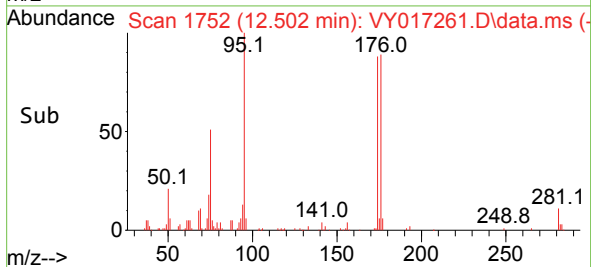
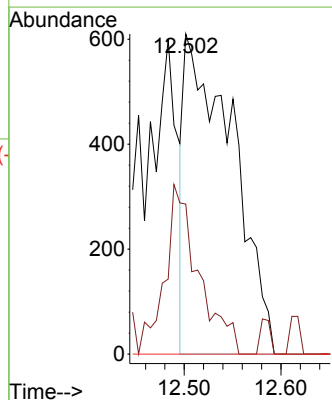
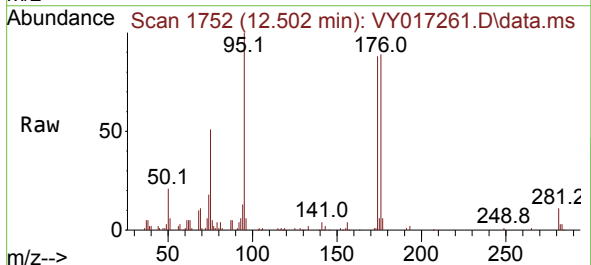
Instrument :
MSVOA_Y
ClientSampleId :
CO-11-GRID-1RE

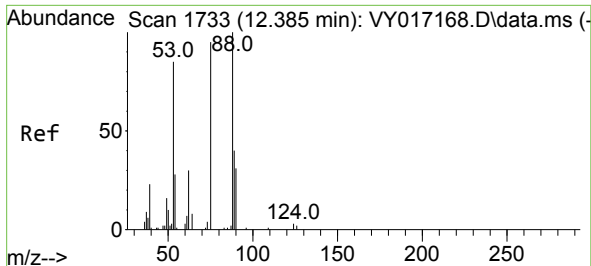
Tgt Ion: 75 Resp: 19458
Ion Ratio Lower Upper
75 100
77 4.0 0.0 0.0#



#77
Bromobenzene
Concen: 4.385 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. -0.115 min
Lab File: VY017261.D
Acq: 06 Feb 2024 13:51

Tgt Ion: 156 Resp: 2100
Ion Ratio Lower Upper
156 100
77 0.0 97.3 291.8#
158 0.0 48.4 145.0#

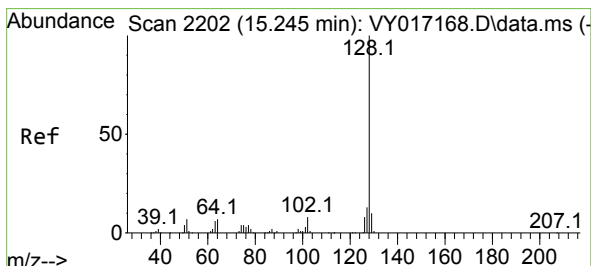
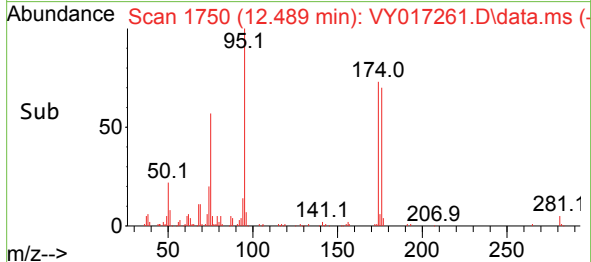
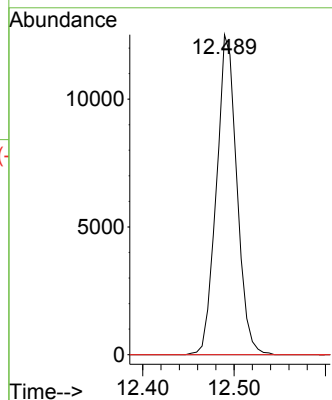
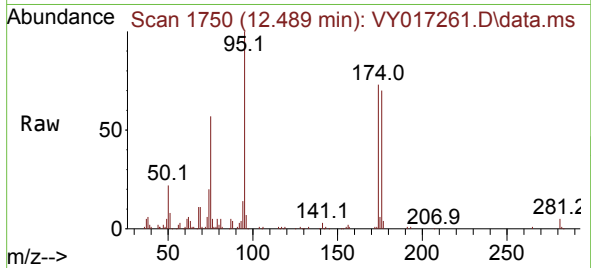




#81
trans-1,4-Dichloro-2-butene
Concen: 149.057 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017261.D
Acq: 06 Feb 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :
CO-11-GRID-1RE

Tgt Ion: 75 Resp: 19458
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 7.727 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY017261.D
Acq: 06 Feb 2024 13:51

Tgt Ion: 128 Resp: 3595
Ion Ratio Lower Upper
128 100
127 14.0 10.2 15.4
129 8.5 8.6 12.8#

