

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110923\
 Data File : VY016290.D
 Acq On : 09 Nov 2023 18:31
 Operator : SY/MD
 Sample : 05312-02
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 09 23:02:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

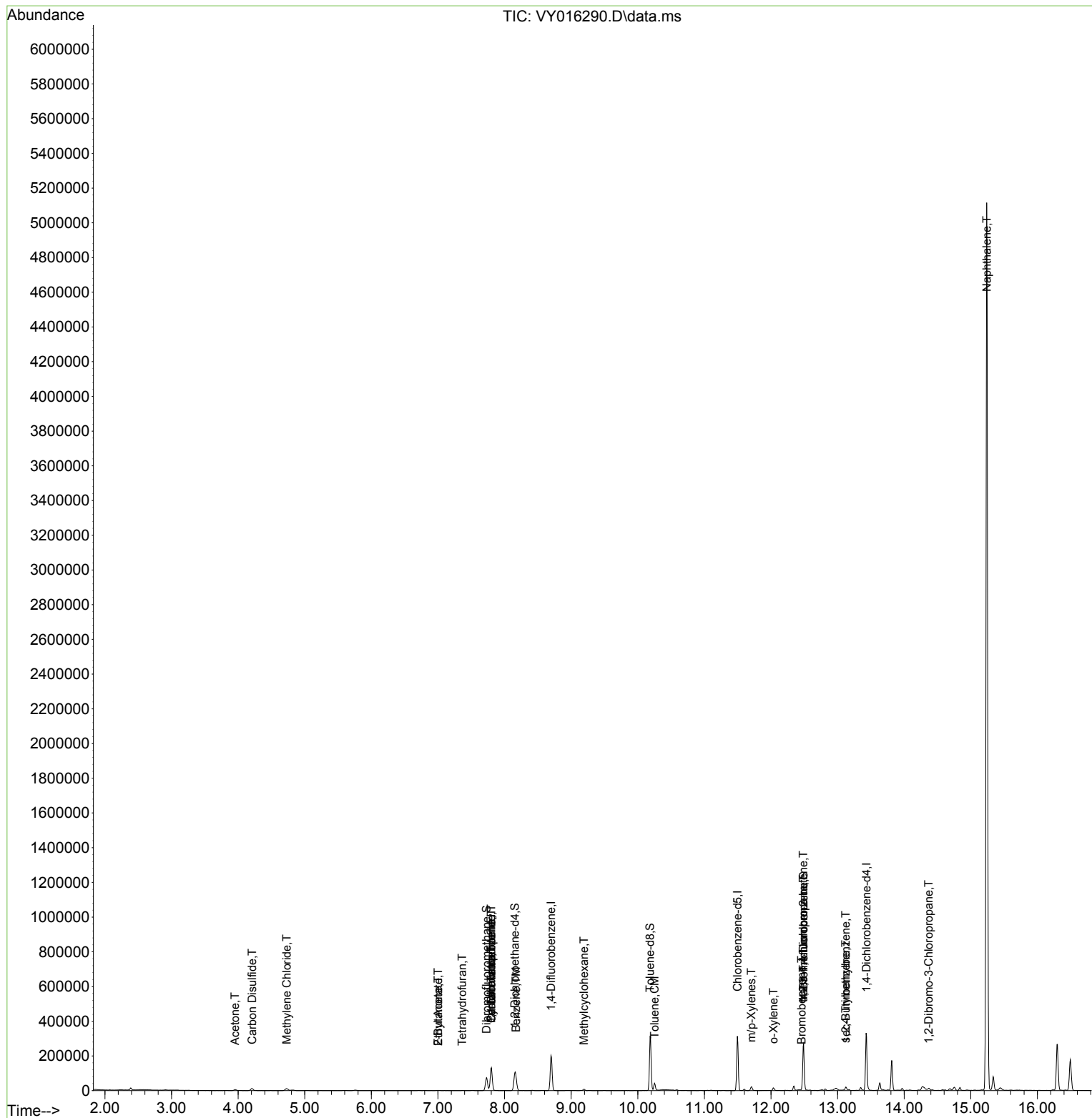
Internal Standards						
1) Pentafluorobenzene	7.801	168	99865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	177502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	174864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	86129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	61925	67.846	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.700%	
35) Dibromofluoromethane	7.728	113	52638	52.203	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.400%	
50) Toluene-d8	10.185	98	212435	51.953	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.900%	
62) 4-Bromofluorobenzene	12.489	95	78727	59.281	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 118.560%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	9730	64.447	ug/l	98
17) Carbon Disulfide	4.210	76	25604	8.409	ug/l	97
20) Methylene Chloride	4.729	84	9397	5.729	ug/l	87
25) 2-Butanone	7.003	43	2253	8.520	ug/l	98
29) Tetrahydrofuran	7.362	42	209	1.196	ug/l #	80
31) Cyclohexane	7.801	56	2628	1.462	ug/l #	18
36) 1,1-Dichloropropene	7.801	75	7502	4.285	ug/l #	49
37) Ethyl Acetate	7.003	43	2253	3.185	ug/l #	71
38) Carbon Tetrachloride	7.801	117	10090	5.553	ug/l #	16
39) Methylcyclohexane	9.191	83	3494	1.602	ug/l #	74
40) Benzene	8.173	78	53840	10.945	ug/l	95
52) Toluene	10.252	92	17101	5.500	ug/l	94
68) m/p-Xylenes	11.703	106	6587	2.587	ug/l	98
69) o-Xylene	12.038	106	3621	1.531	ug/l	100
76) 1,2,3-Trichloropropane	12.483	75	40712	49.275	ug/l #	100
77) Bromobenzene	12.459	156	6131	3.889	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	40712	106.955	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	8511	1.537	ug/l	95
85) sec-Butylbenzene	13.123	105	8511	1.203	ug/l #	56
92) 1,2-Dibromo-3-Chloropr...	14.367	75	394	2.213	ug/l #	3
95) Naphthalene	15.239	128	4089298	1507.325	ug/l	99

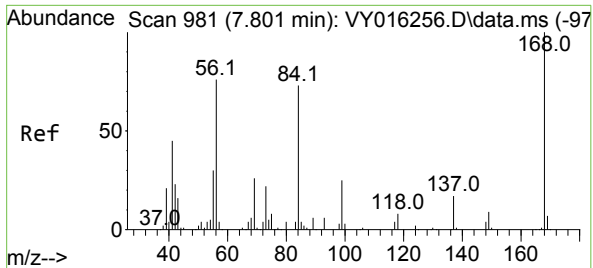
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.81g/5.0mL/MSVOA_Y/SOIL
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ClientSampleId :

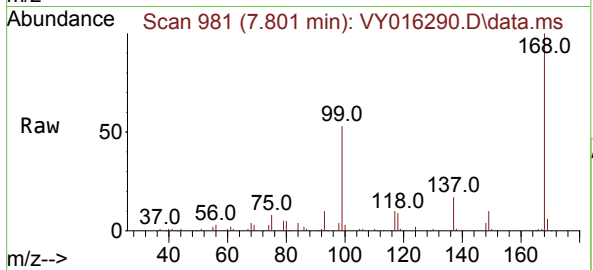
Quant Time: Nov 09 23:02:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 09 00:45:52 2023
Response via : Initial Calibration



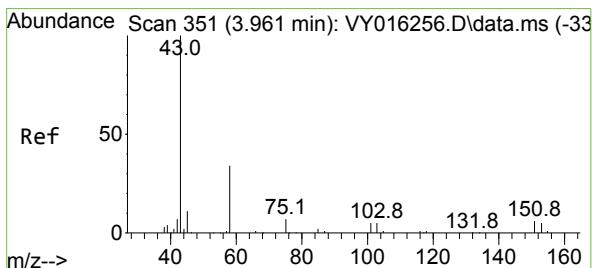
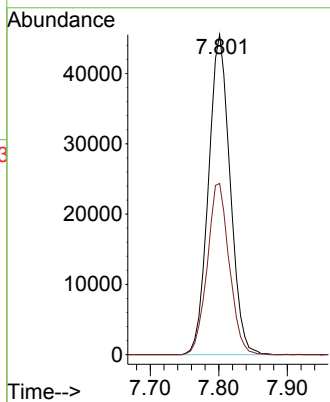
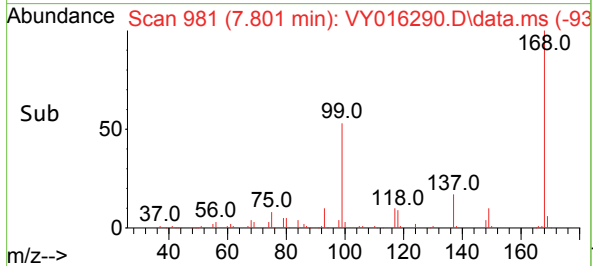


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 99
Delta R.T. 0.000 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

Instrument :
MSVOA_Y
ClientSampleId :

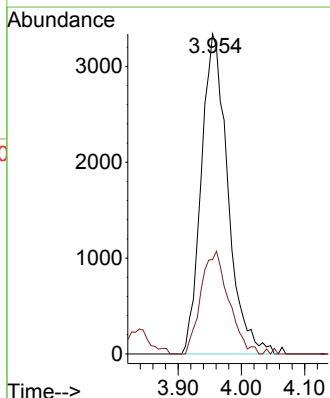
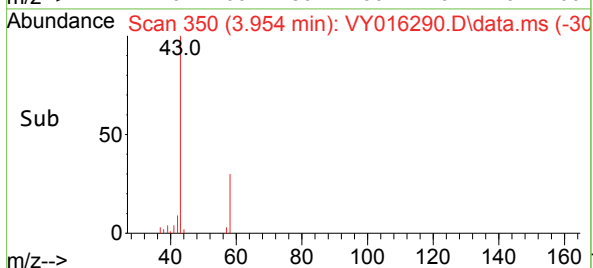
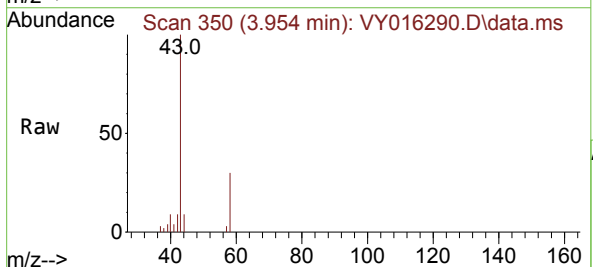


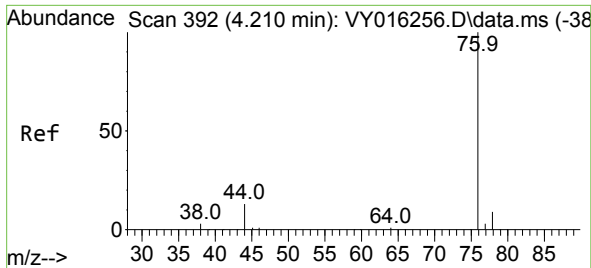
Tgt Ion:168 Resp: 99865
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0



#16
Acetone
Concen: 64.447 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

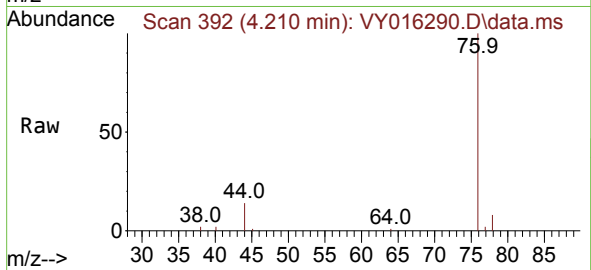
Tgt Ion: 43 Resp: 9730
Ion Ratio Lower Upper
43 100
58 29.5 22.7 34.1



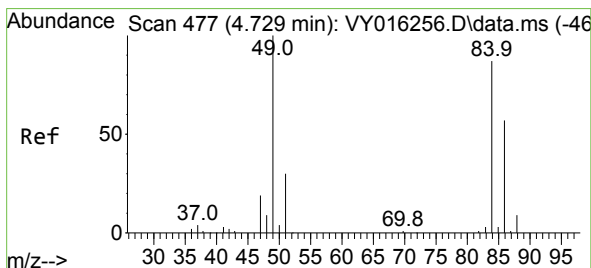
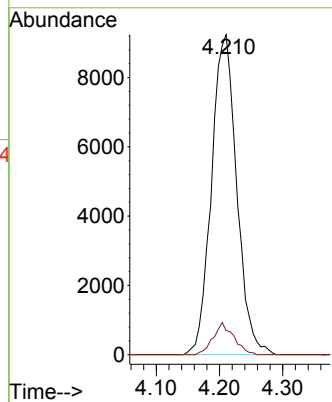
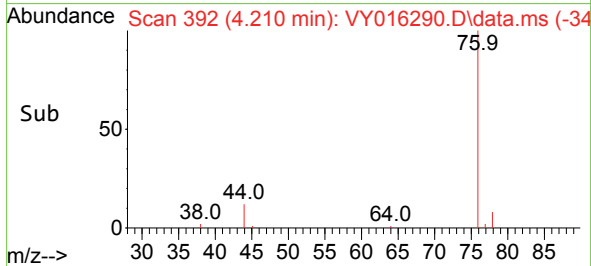


#17
Carbon Disulfide
Concen: 8.409 ug/l
RT: 4.210 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

Instrument :
MSVOA_Y
ClientSampleId :

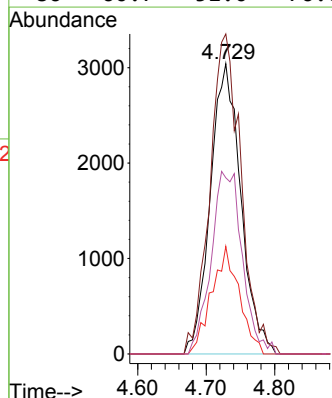
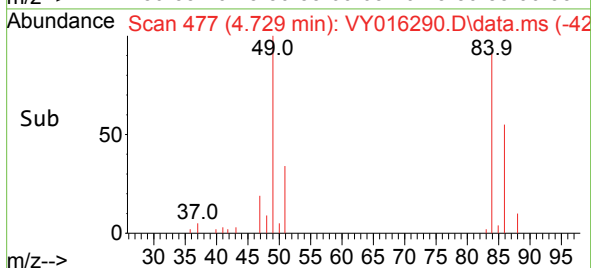
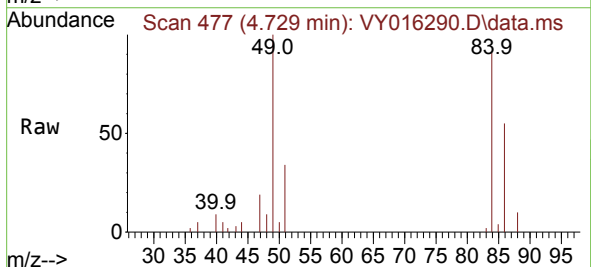


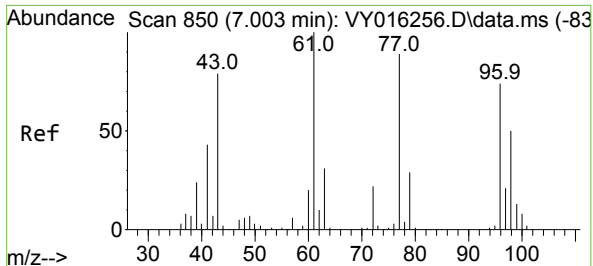
Tgt Ion: 76 Resp: 25604
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.4



#20
Methylene Chloride
Concen: 5.729 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

Tgt Ion: 84 Resp: 9397
Ion Ratio Lower Upper
84 100
49 110.3 106.9 160.3
51 37.1 33.2 49.8
86 60.7 51.0 76.6





#25

2-Butanone

Concen: 8.520 ug/l

RT: 7.003 min Scan# 850

Delta R.T. -0.000 min

Lab File: VY016290.D

Acq: 09 Nov 2023 18:31

Instrument :

MSVOA_Y

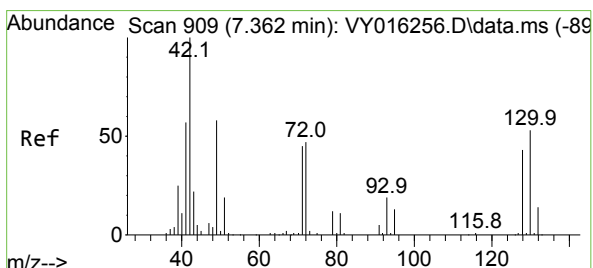
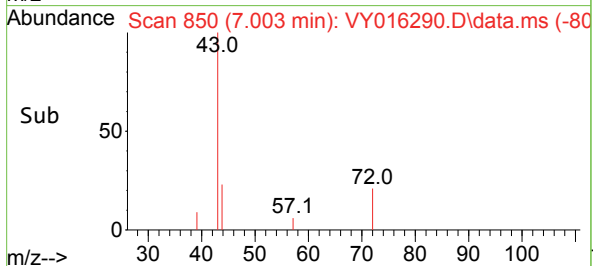
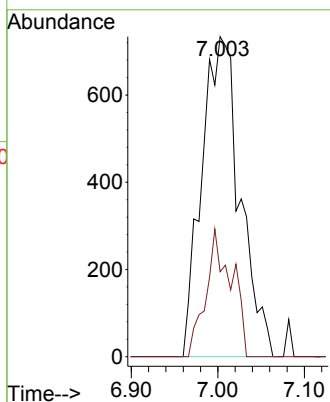
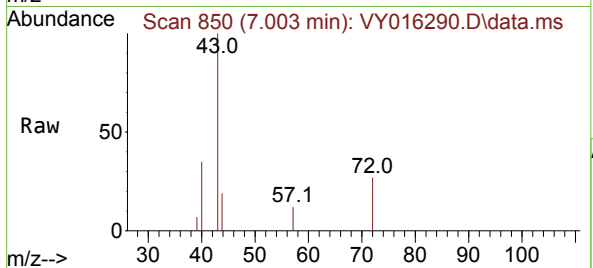
ClientSampleId :

Tgt Ion: 43 Resp: 2253

Ion Ratio Lower Upper

43 100

72 26.6 20.5 30.7



#29

Tetrahydrofuran

Concen: 1.196 ug/l

RT: 7.362 min Scan# 909

Delta R.T. -0.000 min

Lab File: VY016290.D

Acq: 09 Nov 2023 18:31

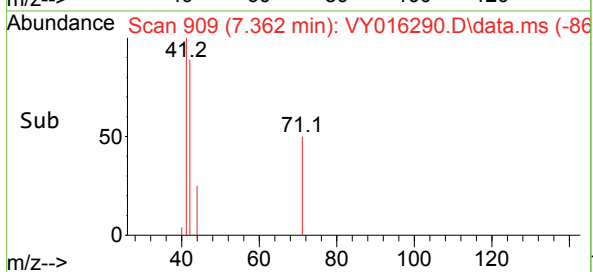
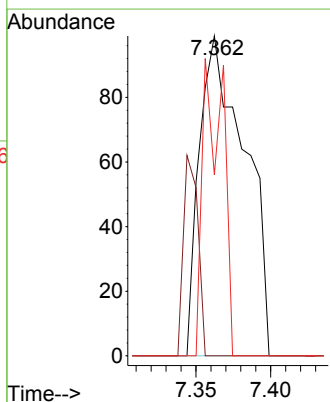
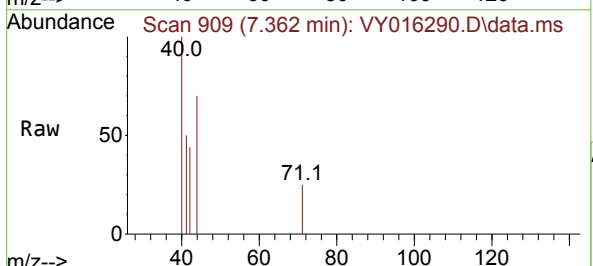
Tgt Ion: 42 Resp: 209

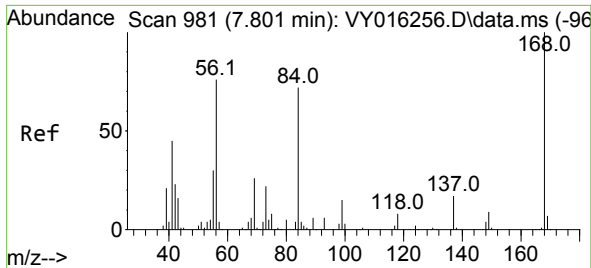
Ion Ratio Lower Upper

42 100

72 20.1 32.8 49.2#

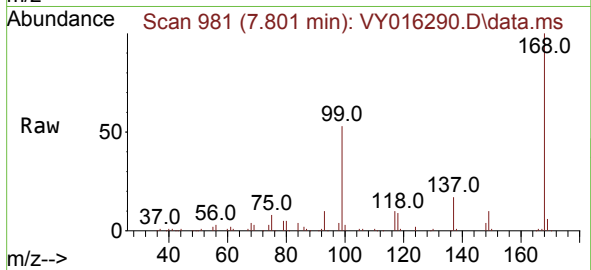
71 41.6 31.0 46.4



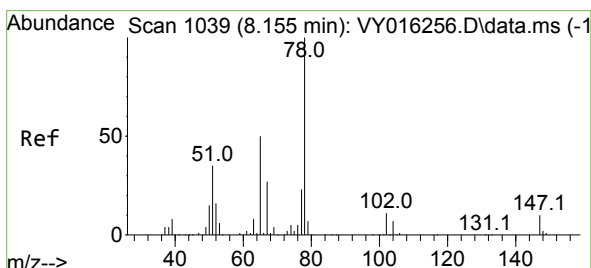
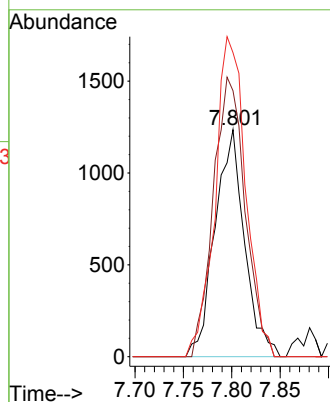
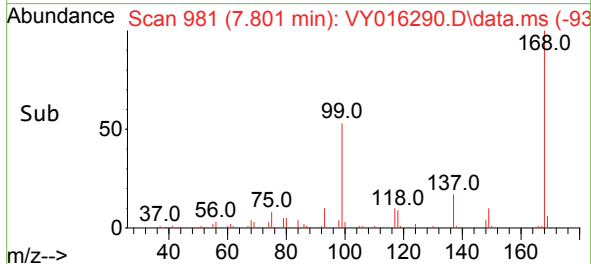


#31
Cyclohexane
Concen: 1.462 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

Instrument :
MSVOA_Y
ClientSampleId :

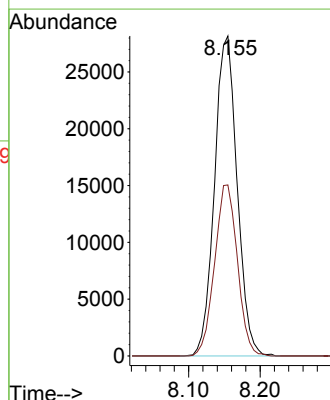
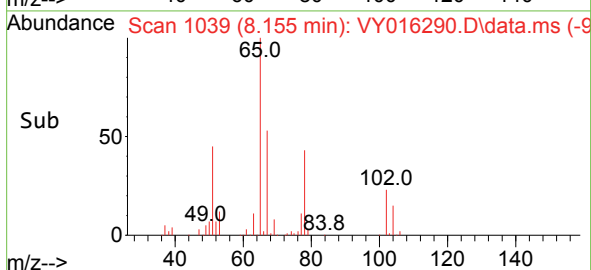
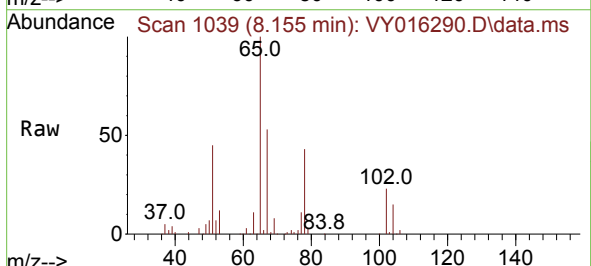


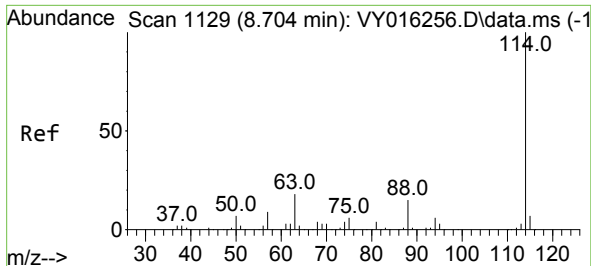
Tgt Ion: 56 Resp: 2628
Ion Ratio Lower Upper
56 100
69 117.2 27.8 41.6#
84 133.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 67.846 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

Tgt Ion: 65 Resp: 61925
Ion Ratio Lower Upper
65 100
67 53.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY016290.D

Acq: 09 Nov 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

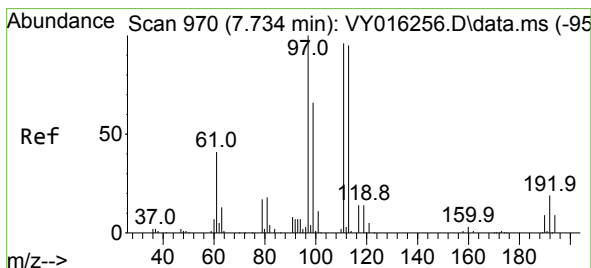
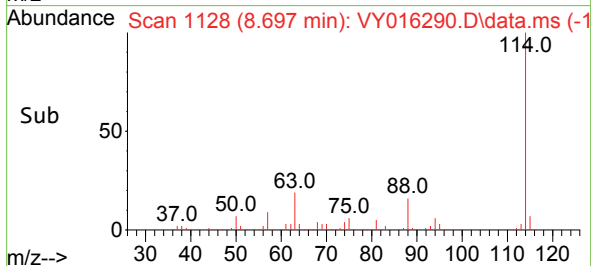
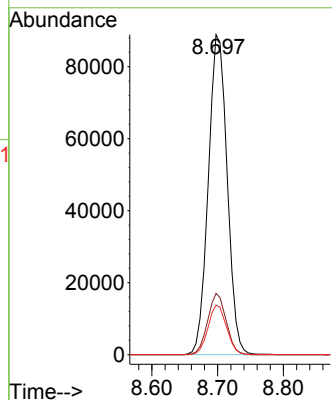
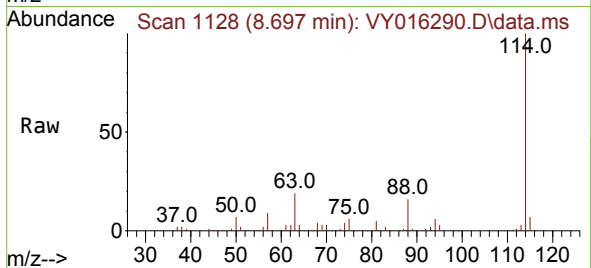
Tgt Ion:114 Resp: 177502

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.203 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY016290.D

Acq: 09 Nov 2023 18:31

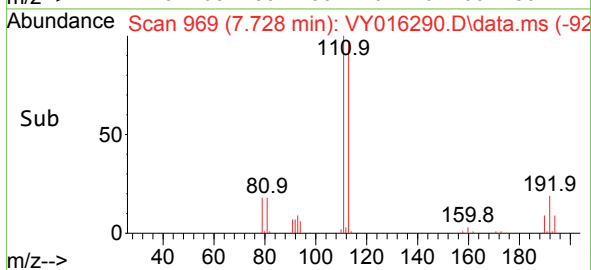
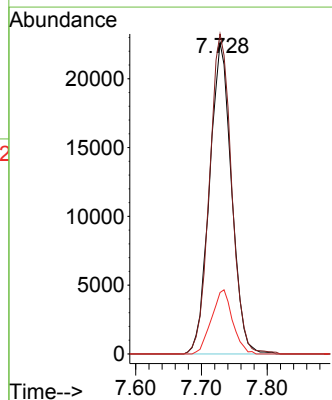
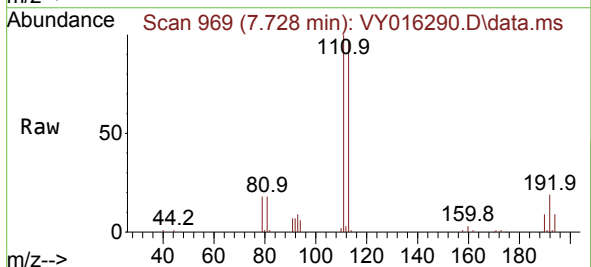
Tgt Ion:113 Resp: 52638

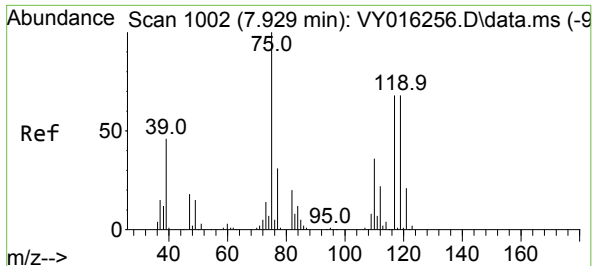
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

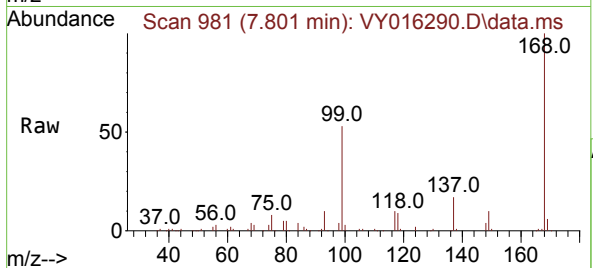
192 19.8 16.9 25.3



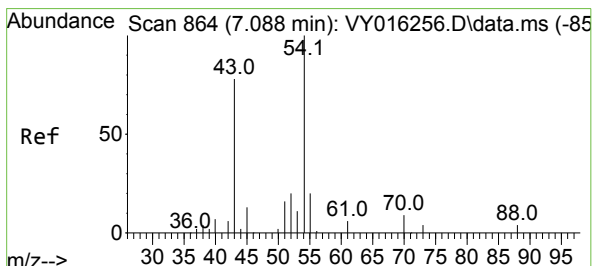
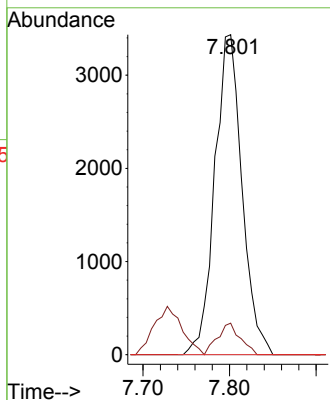
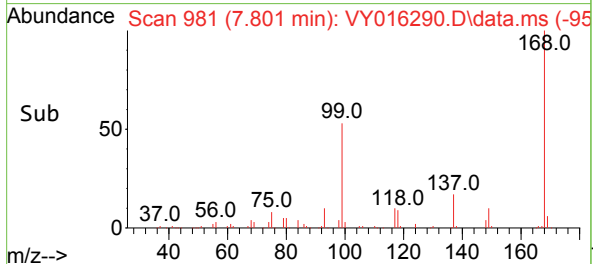


#36
1,1-Dichloropropene
Concen: 4.285 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

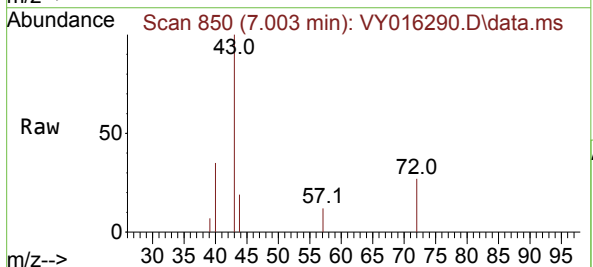
Instrument :
MSVOA_Y
ClientSampleId :



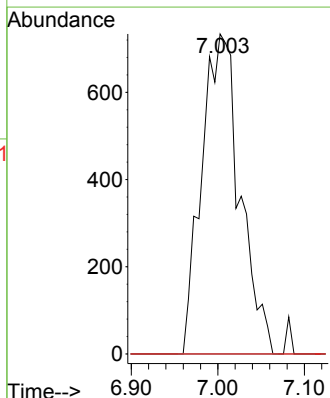
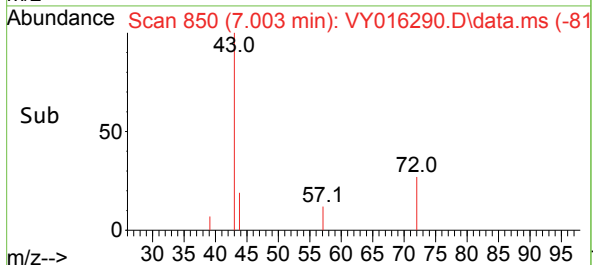
Tgt Ion: 75 Resp: 7502
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.5#
77 0.0 24.4 36.6#

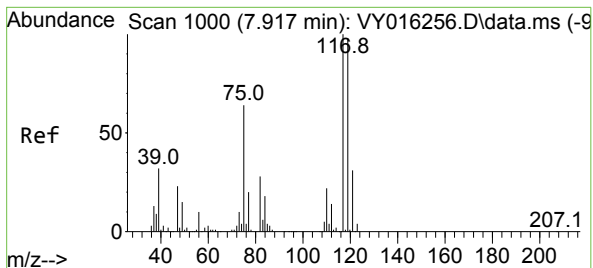


#37
Ethyl Acetate
Concen: 3.185 ug/l
RT: 7.003 min Scan# 850
Delta R.T. -0.085 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31



Tgt Ion: 43 Resp: 2253
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.553 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.116 min

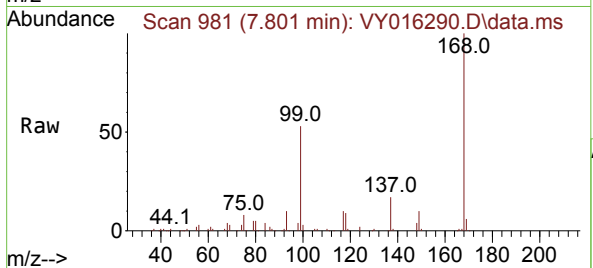
Lab File: VY016290.D

Acq: 09 Nov 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :



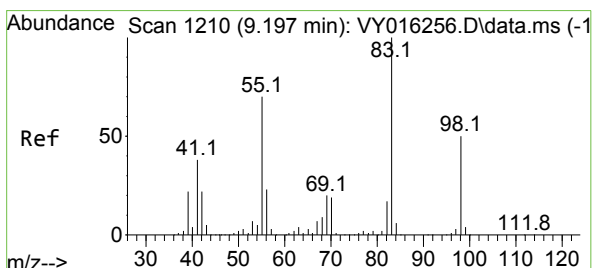
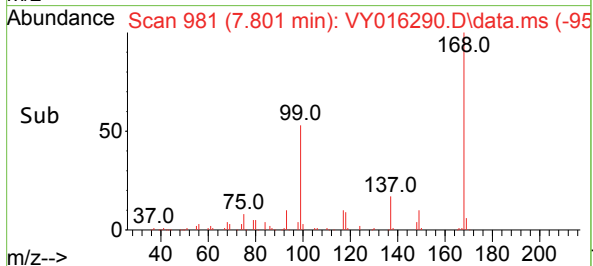
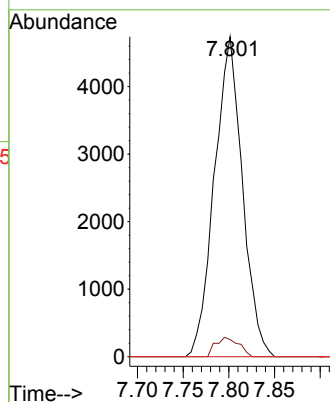
Tgt Ion:117 Resp: 10090

Ion Ratio Lower Upper

117 100

119 5.4 76.4 114.6#

121 0.0 25.8 38.6#



#39

Methylcyclohexane

Concen: 1.602 ug/l

RT: 9.191 min Scan# 1209

Delta R.T. -0.006 min

Lab File: VY016290.D

Acq: 09 Nov 2023 18:31

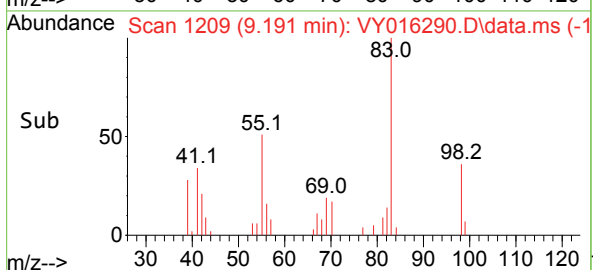
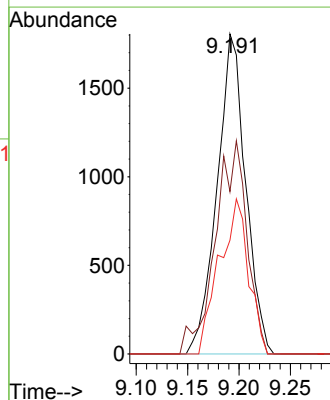
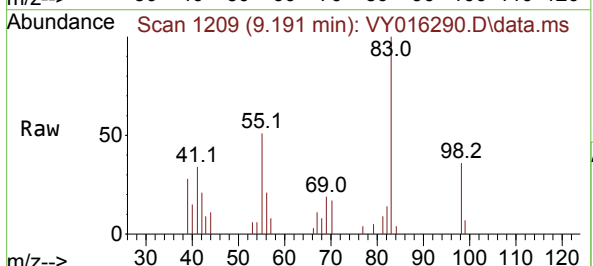
Tgt Ion: 83 Resp: 3494

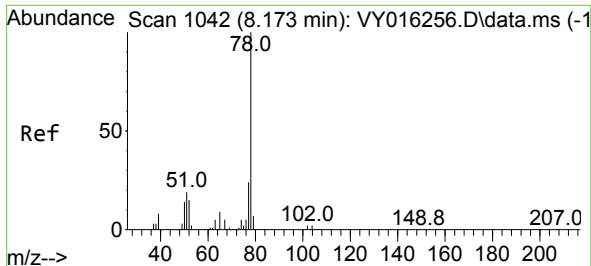
Ion Ratio Lower Upper

83 100

55 50.8 63.0 94.4#

98 35.5 37.4 56.2#

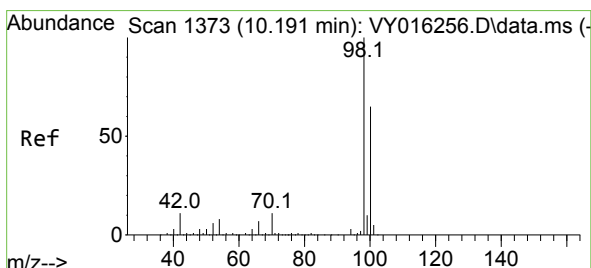
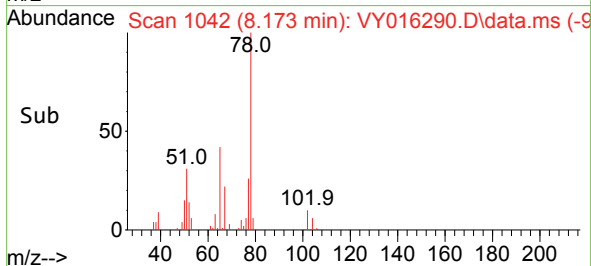
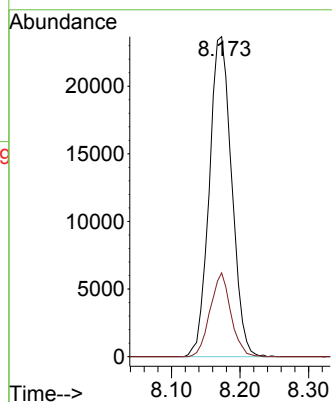
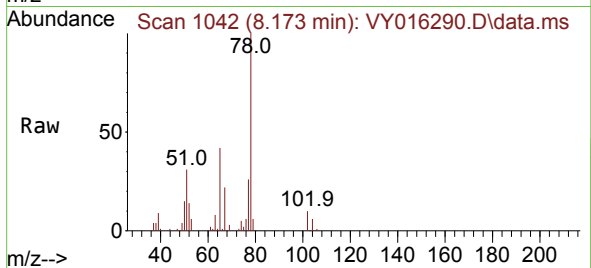




#40
Benzene
Concen: 10.945 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

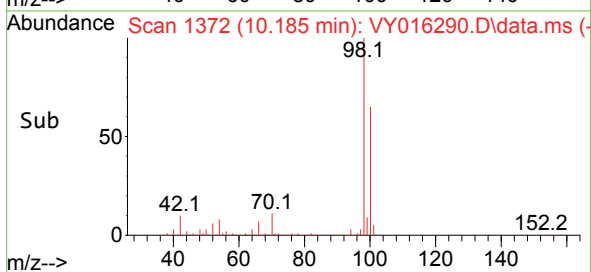
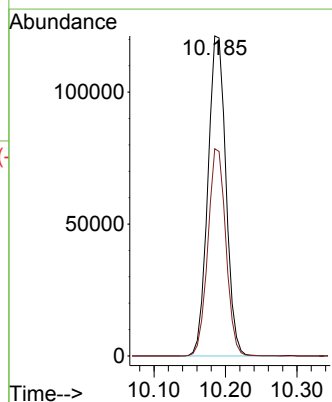
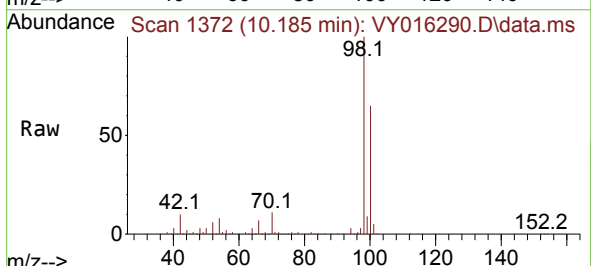
Instrument :
MSVOA_Y
ClientSampleId :

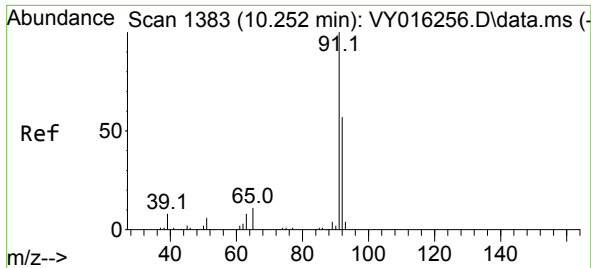
Tgt Ion: 78 Resp: 53840
Ion Ratio Lower Upper
78 100
77 26.2 19.0 28.6



#50
Toluene-d8
Concen: 51.953 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

Tgt Ion: 98 Resp: 212435
Ion Ratio Lower Upper
98 100
100 64.4 50.1 75.1

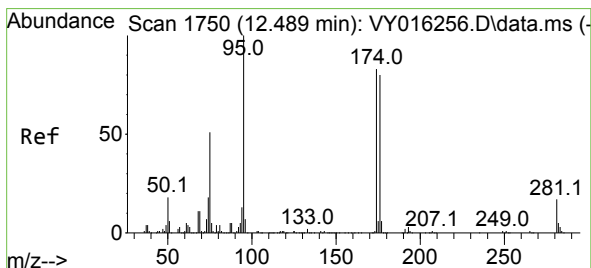
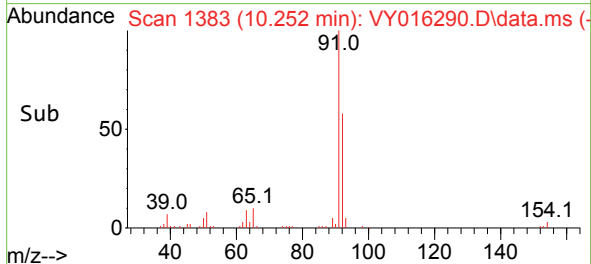
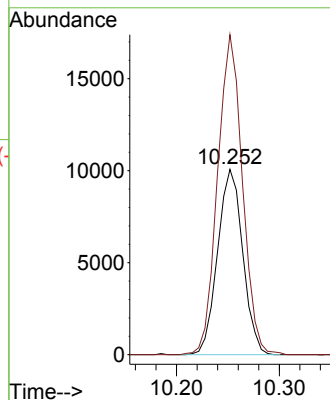
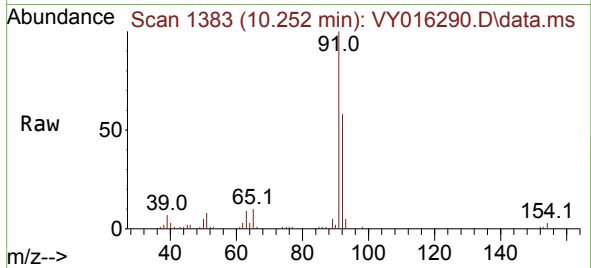




#52
Toluene
Concen: 5.500 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

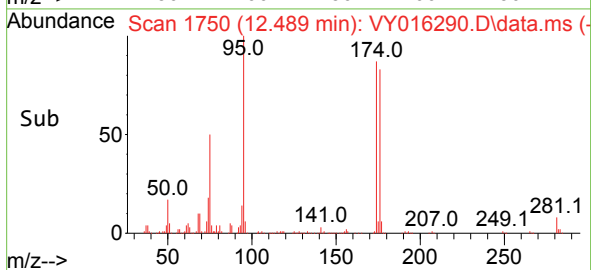
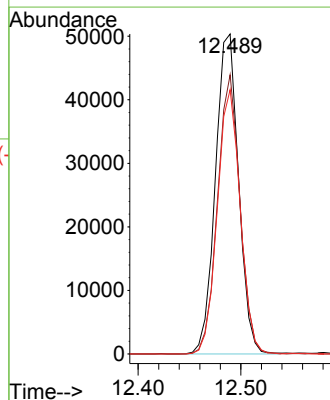
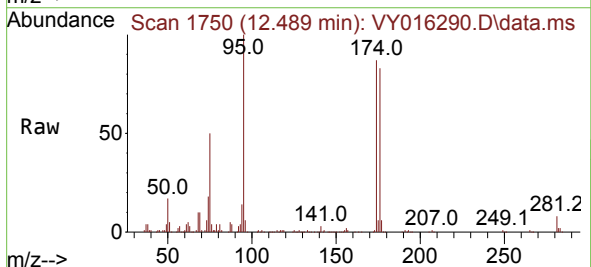
Instrument :
MSVOA_Y
ClientSampleId :

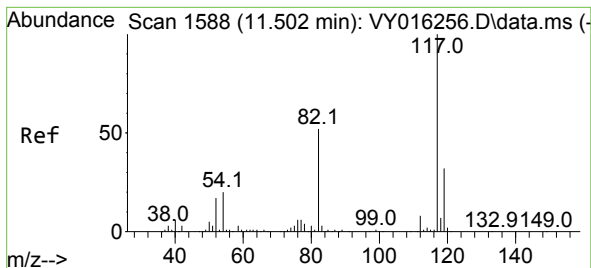
Tgt Ion: 92 Resp: 17101
Ion Ratio Lower Upper
92 100
91 170.7 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 59.281 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

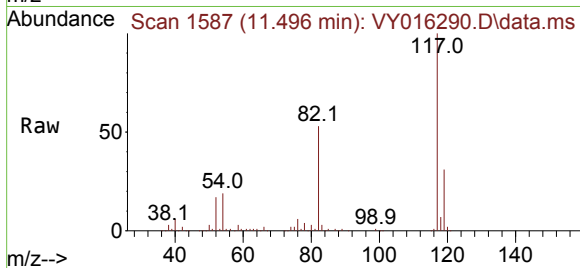
Tgt Ion: 95 Resp: 78727
Ion Ratio Lower Upper
95 100
174 84.5 0.0 178.2
176 81.6 0.0 173.8



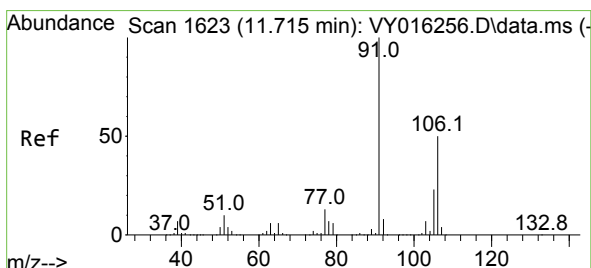
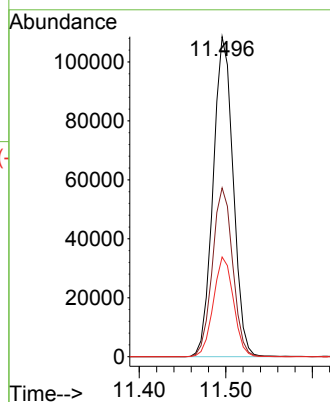
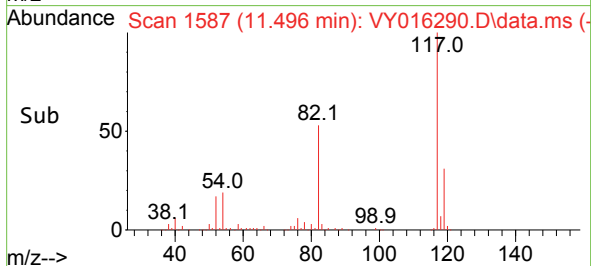


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

Instrument :
MSVOA_Y
ClientSampleId :

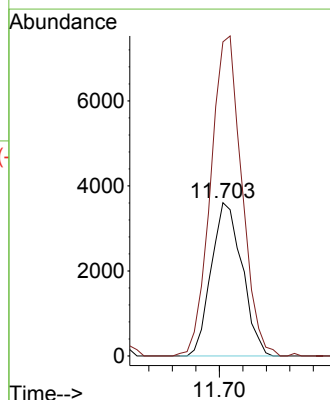
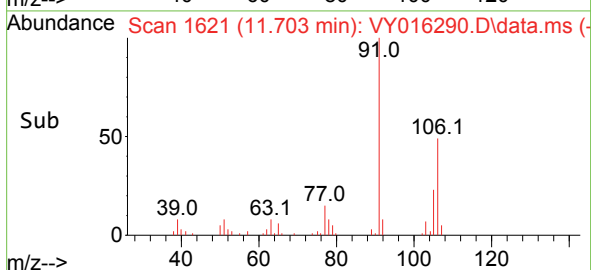
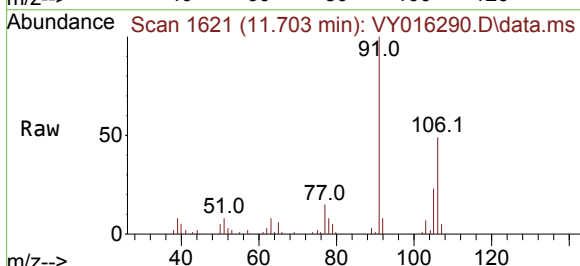


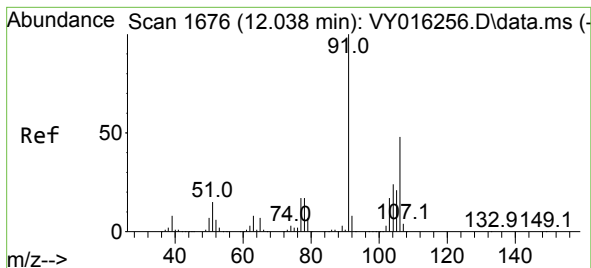
Tgt Ion:117 Resp: 174864
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 31.1 26.3 39.5



#68
m/p-Xylenes
Concen: 2.587 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.012 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

Tgt Ion:106 Resp: 6587
Ion Ratio Lower Upper
106 100
91 210.1 166.1 249.1





#69

o-Xylene

Concen: 1.531 ug/l

RT: 12.038 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016290.D

Acq: 09 Nov 2023 18:31

Instrument :

MSVOA_Y

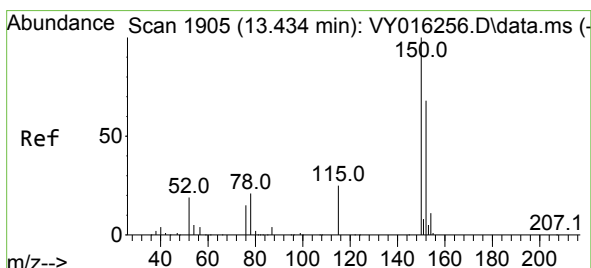
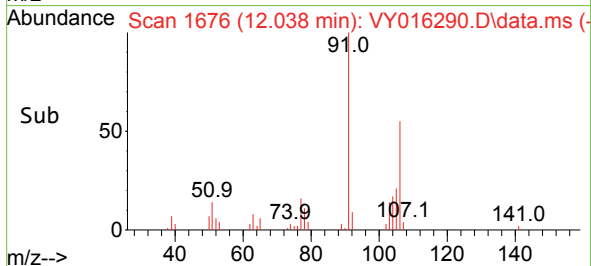
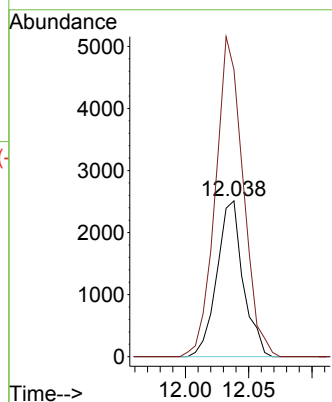
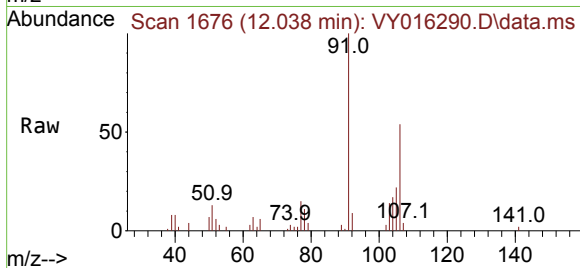
ClientSampleId :

Tgt Ion:106 Resp: 3621

Ion Ratio Lower Upper

106 100

91 216.3 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016290.D

Acq: 09 Nov 2023 18:31

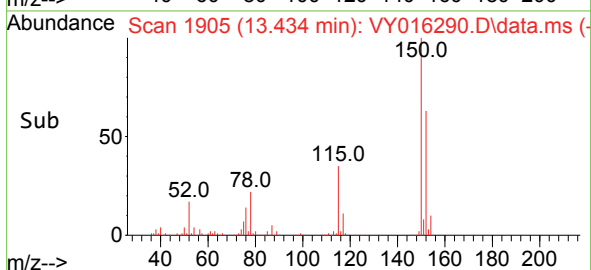
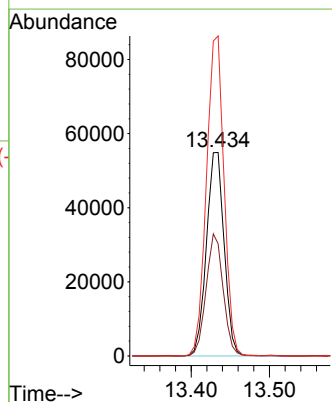
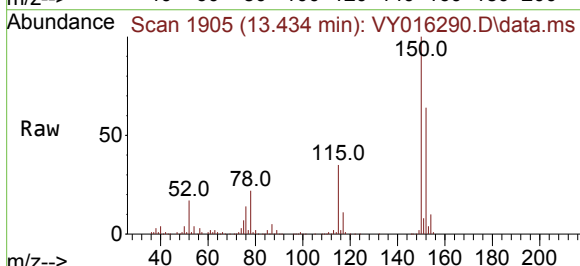
Tgt Ion:152 Resp: 86129

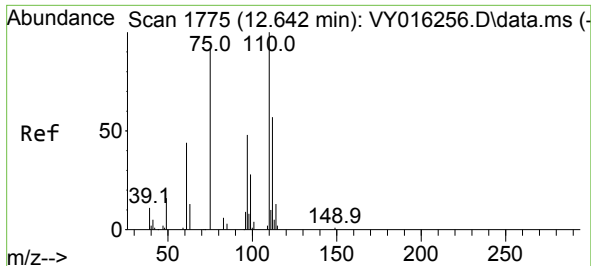
Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 156.1 0.0 348.8

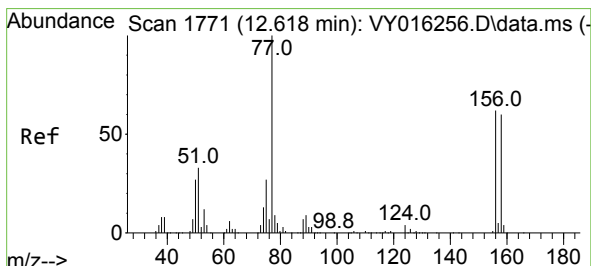
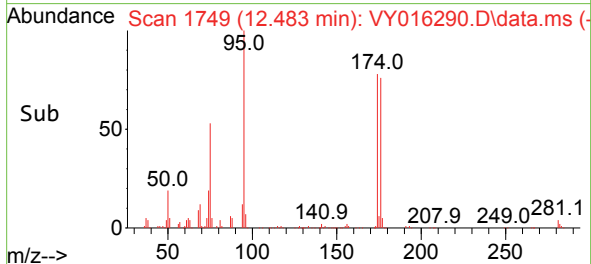
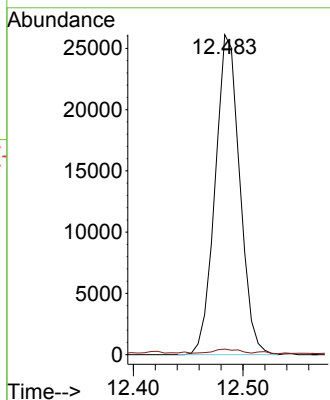
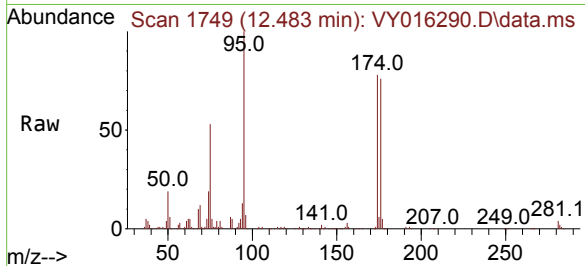




#76
1,2,3-Trichloropropane
Concen: 49.275 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.159 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

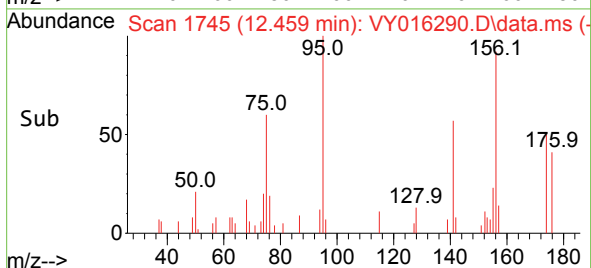
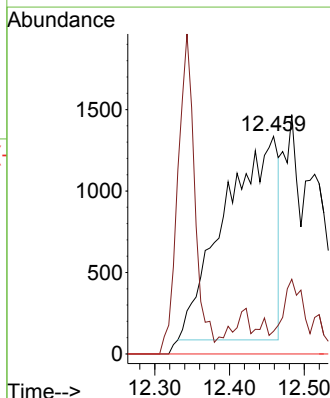
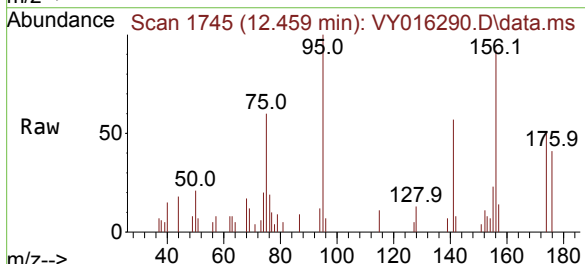
Instrument :
MSVOA_Y
ClientSampleId :

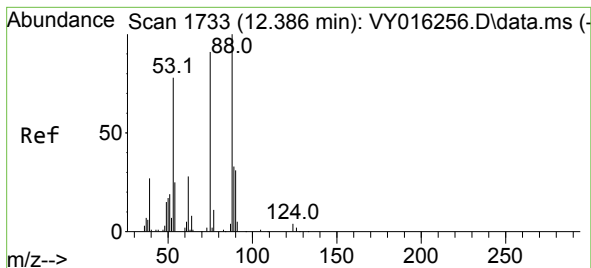
Tgt Ion: 75 Resp: 40712
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#77
Bromobenzene
Concen: 3.889 ug/l
RT: 12.459 min Scan# 1745
Delta R.T. -0.159 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

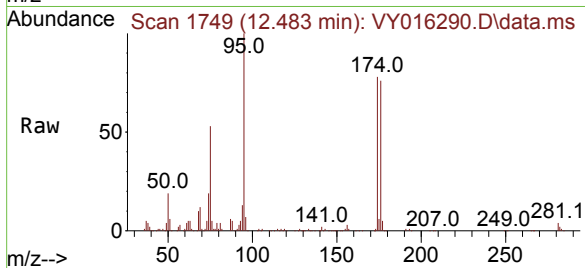
Tgt Ion: 156 Resp: 6131
Ion Ratio Lower Upper
156 100
77 0.0 92.8 278.6#
158 0.0 48.4 145.3#



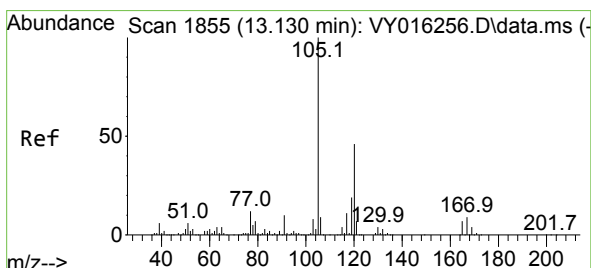
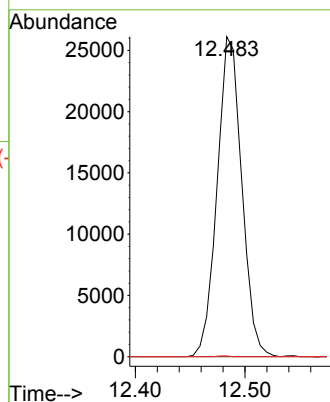
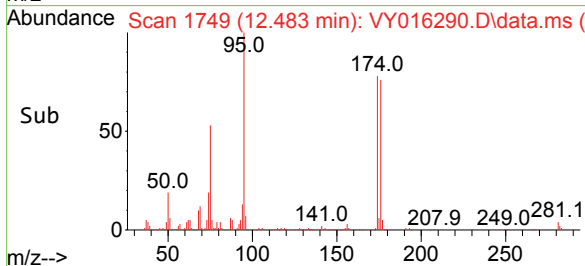


#81
trans-1,4-Dichloro-2-butene
Concen: 106.955 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

Instrument :
MSVOA_Y
ClientSampleId :

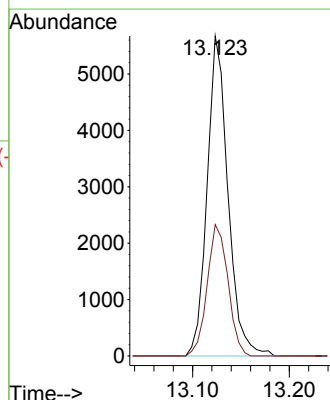
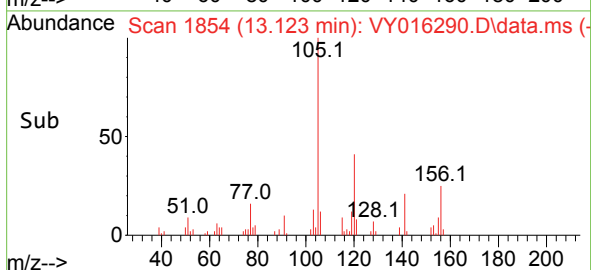
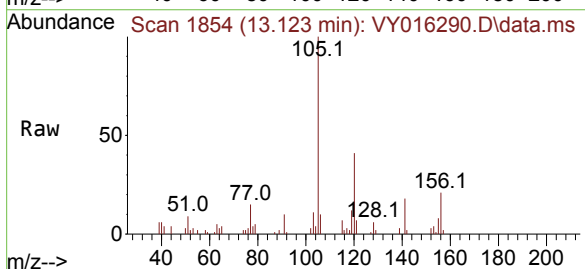


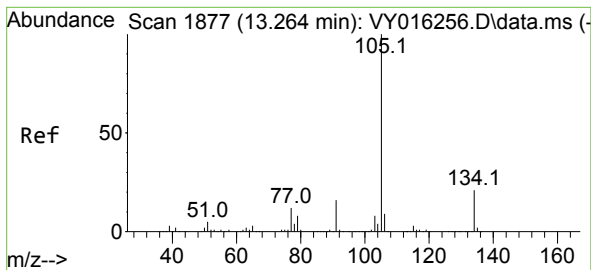
Tgt Ion: 75 Resp: 40712
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.537 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

Tgt Ion: 105 Resp: 8511
Ion Ratio Lower Upper
105 100
120 41.0 22.2 66.6





#85

sec-Butylbenzene

Concen: 1.203 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.140 min

Lab File: VY016290.D

Acq: 09 Nov 2023 18:31

Instrument :

MSVOA_Y

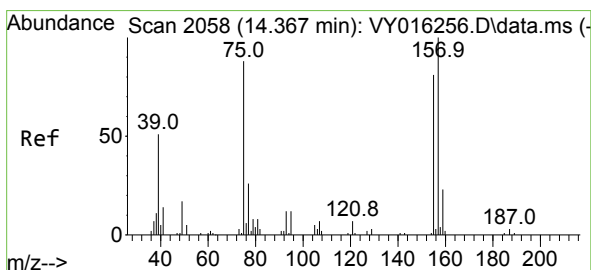
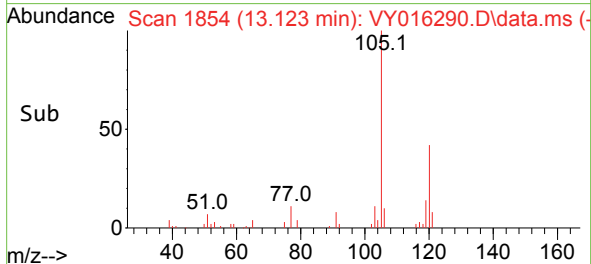
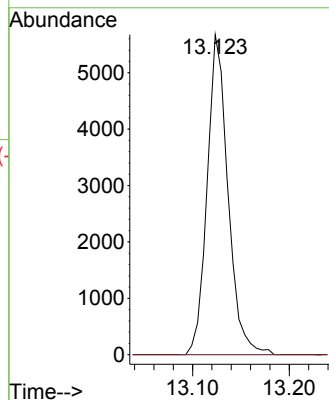
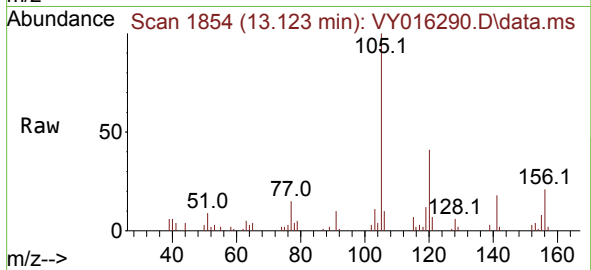
ClientSampleId :

Tgt Ion:105 Resp: 8511

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.213 ug/l

RT: 14.367 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VY016290.D

Acq: 09 Nov 2023 18:31

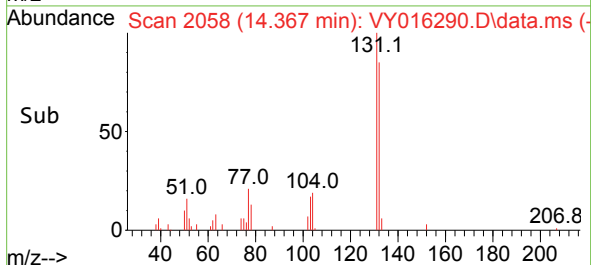
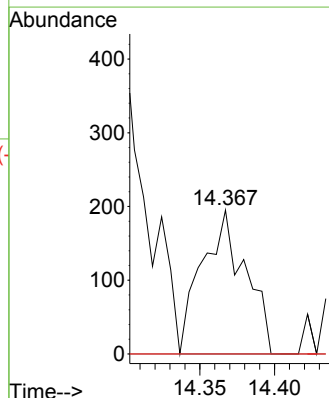
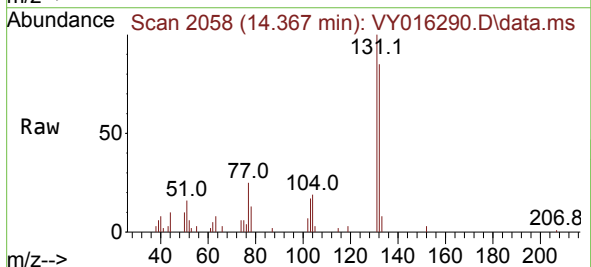
Tgt Ion: 75 Resp: 394

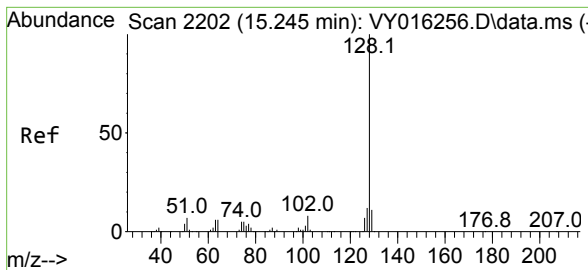
Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

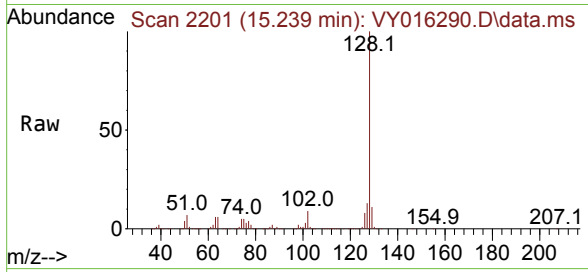
157 0.0 51.8 155.5#





#95
Naphthalene
Concen: 1507.325 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY016290.D
Acq: 09 Nov 2023 18:31

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 4089298
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 11.2 8.6 13.0

