

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
 Data File : VY015536.D
 Acq On : 14 Sep 2023 16:15
 Operator : SY/MD
 Sample : 04374-06
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-3-(31-33)

Quant Time: Sep 15 04:01:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

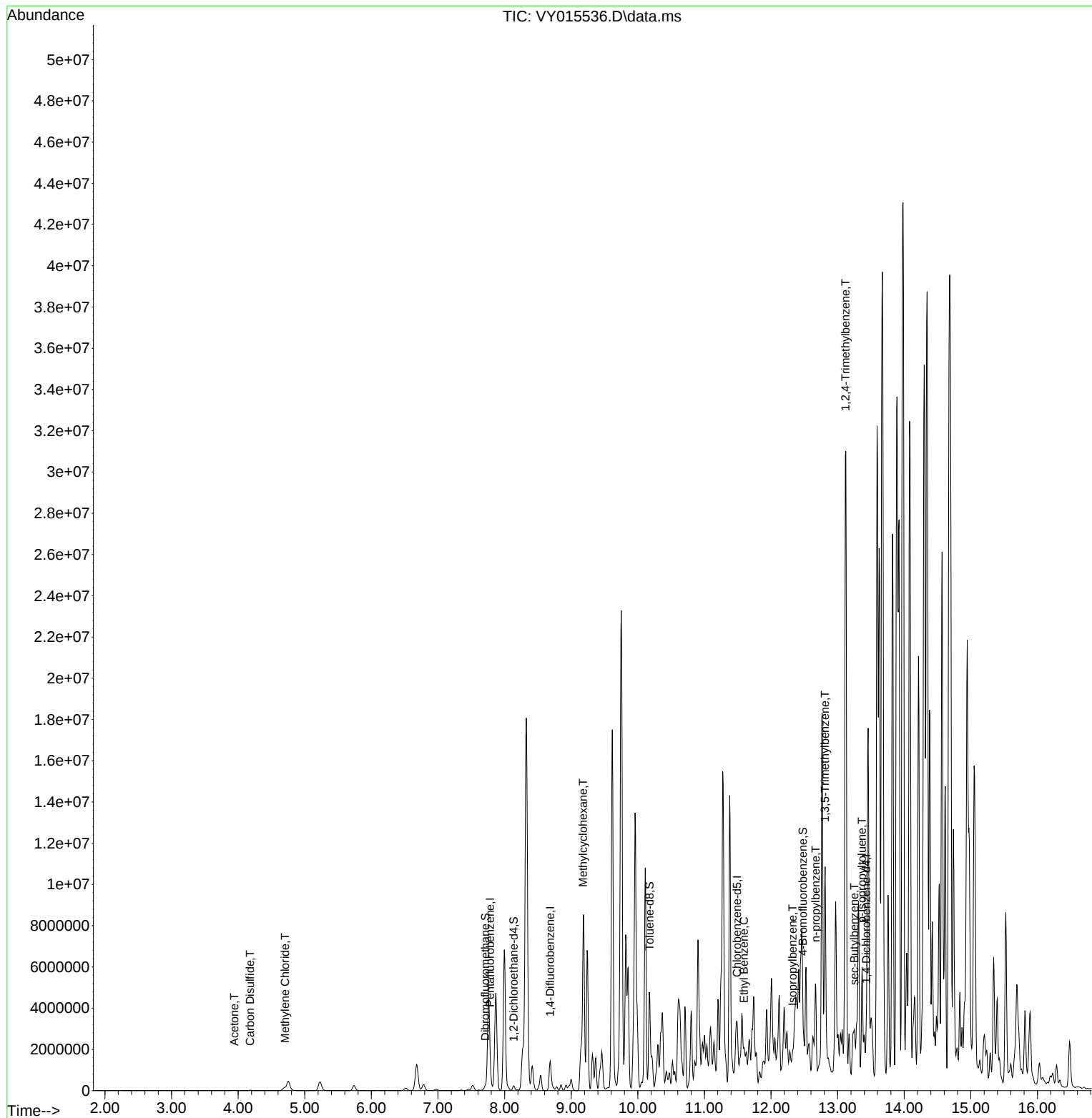
Internal Standards						
1) Pentafluorobenzene	7.783	168	303734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	511514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	469117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	194858	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	177185	54.418	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	= 108.840%		
35) Dibromofluoromethane	7.710	113	158506	53.800	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	= 107.600%		
50) Toluene-d8	10.179	98	770466	72.213	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	= 144.420%#		
62) 4-Bromofluorobenzene	12.477	95	289400	73.065	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	= 146.140%#		
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	18311	13.474	ug/l	95
17) Carbon Disulfide	4.180	76	46443	5.145	ug/l	98
20) Methylene Chloride	4.704	84	40836	3.638	ug/l	88
39) Methylcyclohexane	9.179	83	1637151	251.374	ug/l #	84
67) Ethyl Benzene	11.593	91	100466	5.535	ug/l	95
73) Isopropylbenzene	12.325	105	575752	39.337	ug/l	100
78) n-propylbenzene	12.672	91	2868059	161.941	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	3833687	313.149	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	15671201	1289.247	ug/l	84
85) sec-Butylbenzene	13.251	105	1109048	69.344	ug/l #	60
86) p-Isopropyltoluene	13.367	119	1744084	130.113	ug/l	100

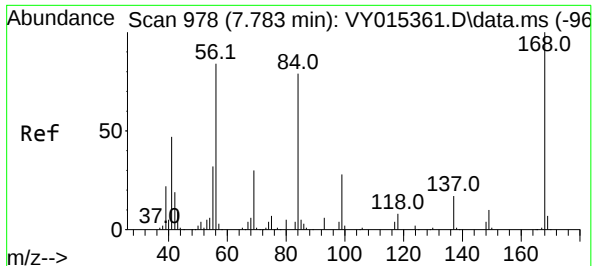
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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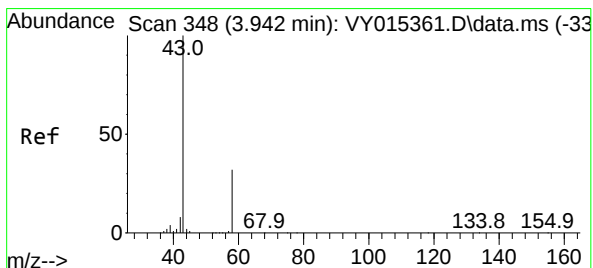
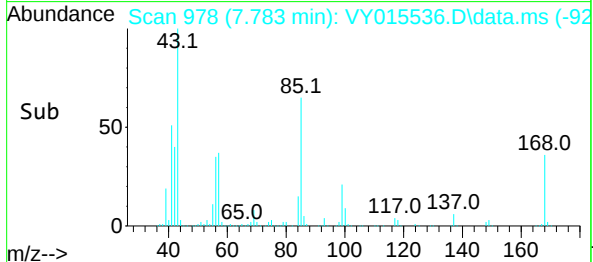
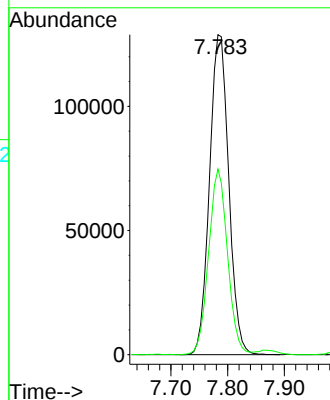
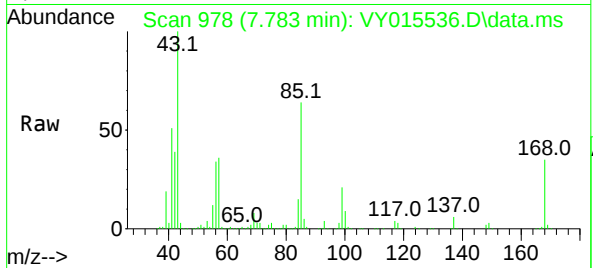




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015536.D
Acq: 14 Sep 2023 16:15

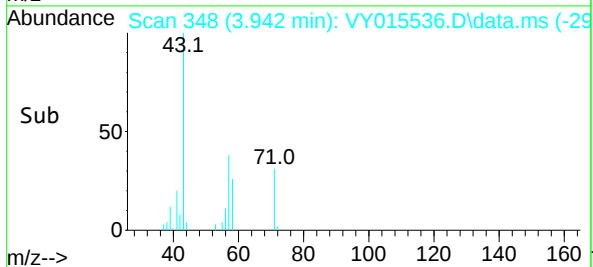
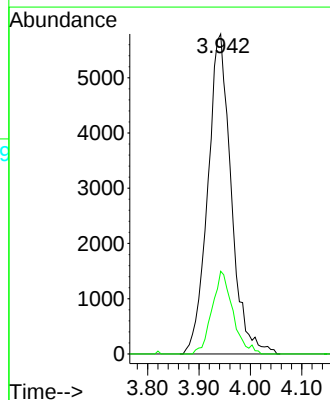
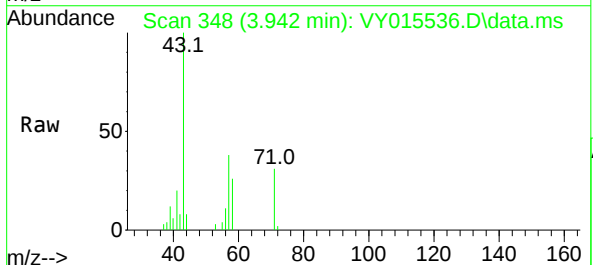
Instrument :
MSVOA_Y
ClientSampleId :
DB-3-(31-33)

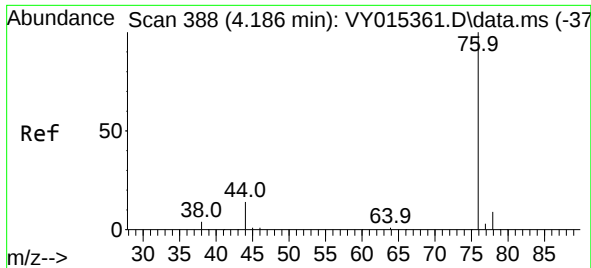
Tgt Ion:168 Resp: 303734
Ion Ratio Lower Upper
168 100
99 58.0 43.4 65.0



#16
Acetone
Concen: 13.474 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015536.D
Acq: 14 Sep 2023 16:15

Tgt Ion: 43 Resp: 18311
Ion Ratio Lower Upper
43 100
58 25.8 22.7 34.1





#17

Carbon Disulfide

Concen: 5.145 ug/l

RT: 4.180 min Scan# 388

Delta R.T. -0.006 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA_Y

ClientSampleId :

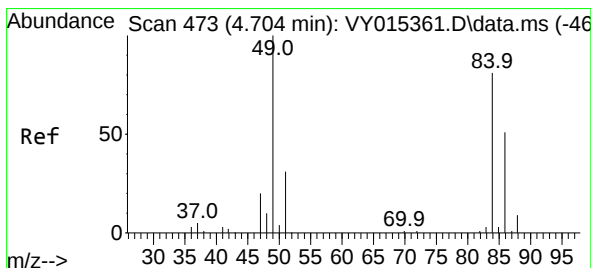
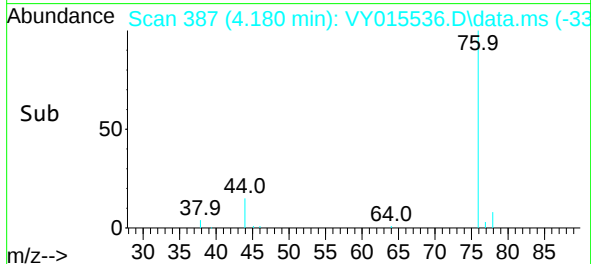
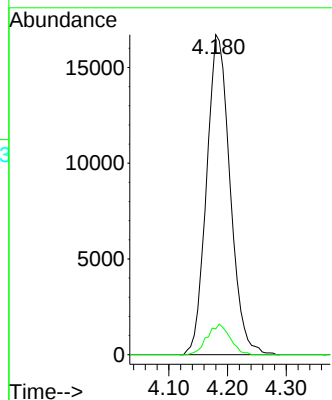
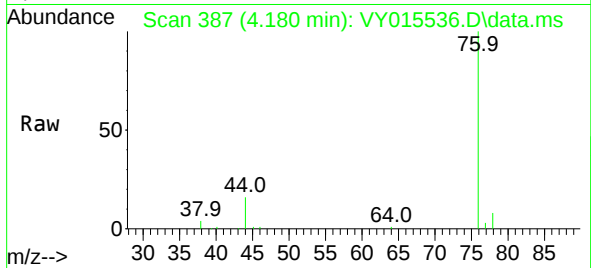
DB-3-(31-33)

Tgt Ion: 76 Resp: 46443

Ion Ratio Lower Upper

76 100

78 8.0 7.0 10.4



#20

Methylene Chloride

Concen: 3.638 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Tgt Ion: 84 Resp: 40836

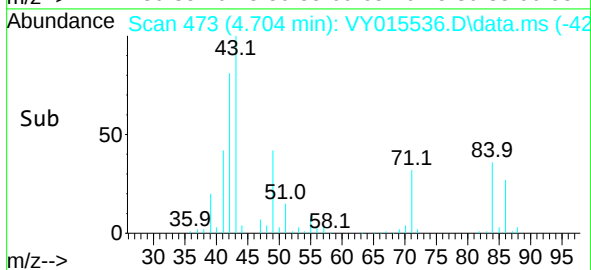
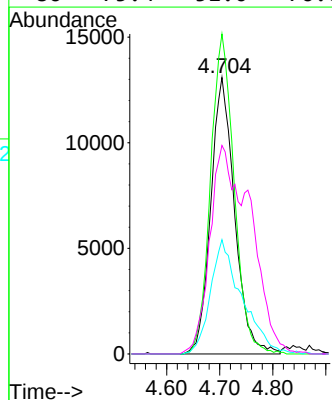
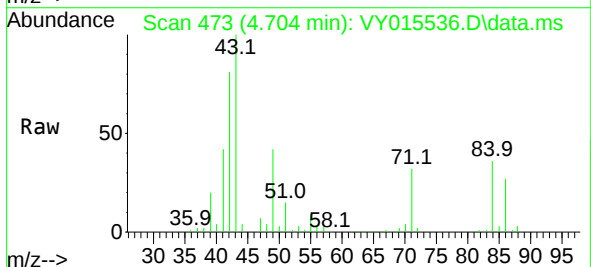
Ion Ratio Lower Upper

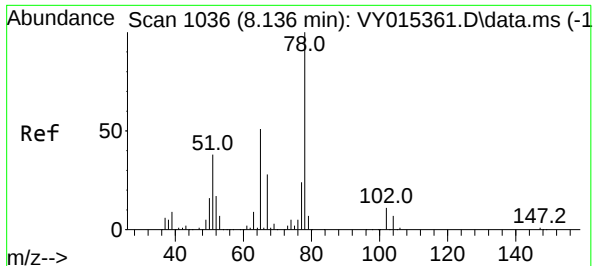
84 100

49 115.7 106.9 160.3

51 41.3 33.2 49.8

86 75.4 51.0 76.6

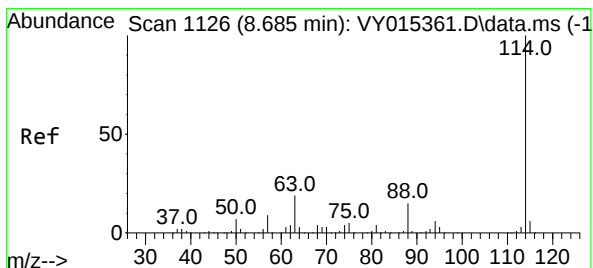
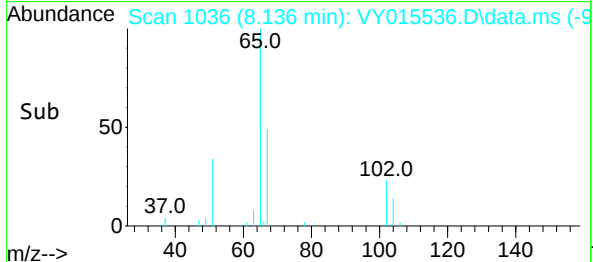
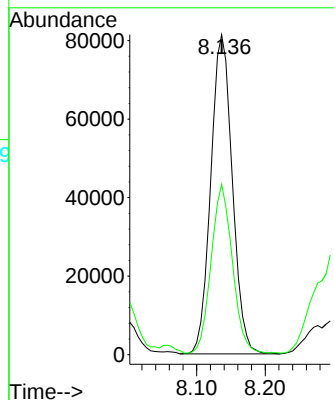
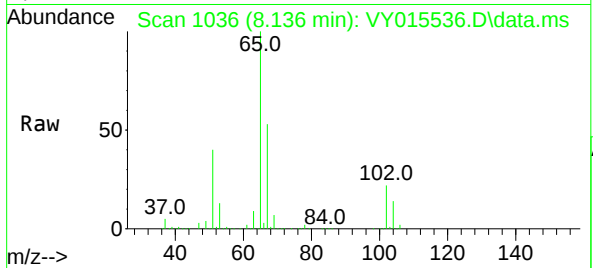




#33
 1,2-Dichloroethane-d4
 Concen: 54.418 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY015536.D
 Acq: 14 Sep 2023 16:15

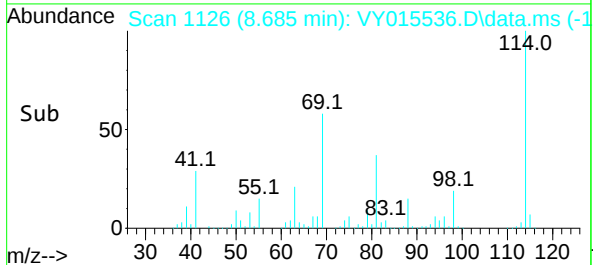
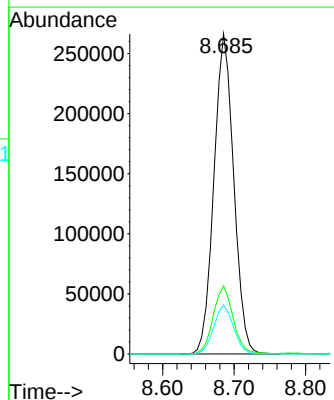
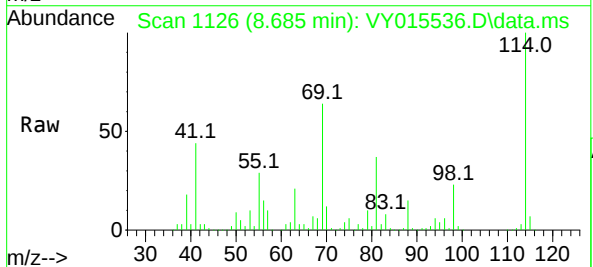
Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-3-(31-33)

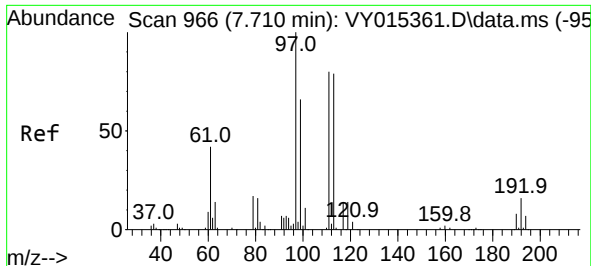
Tgt Ion: 65 Resp: 177185
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY015536.D
 Acq: 14 Sep 2023 16:15

Tgt Ion: 114 Resp: 511514
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.4
 88 15.3 0.0 30.6

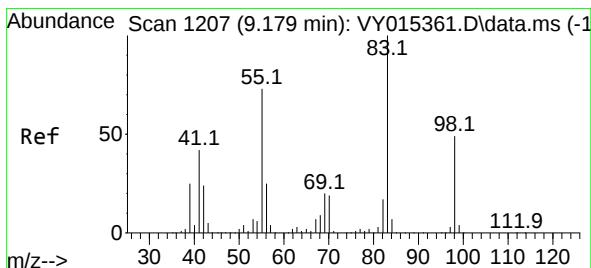
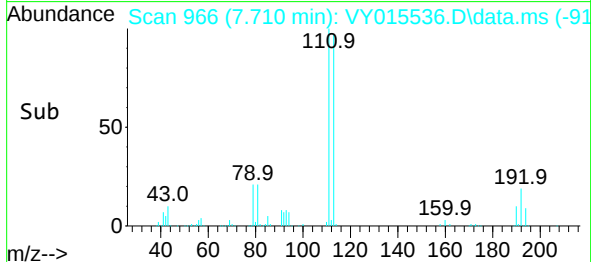
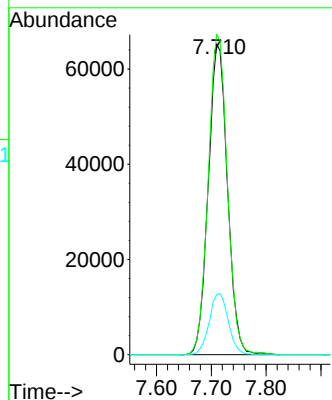
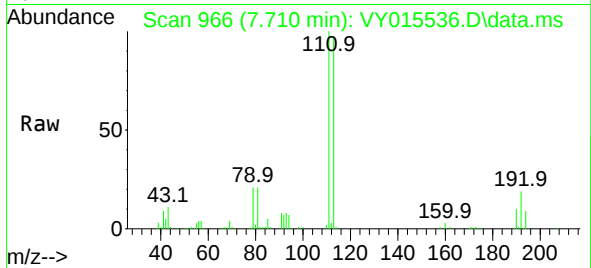




#35
Dibromofluoromethane
Concen: 53.800 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015536.D
Acq: 14 Sep 2023 16:15

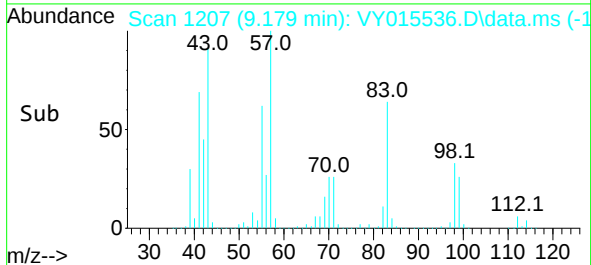
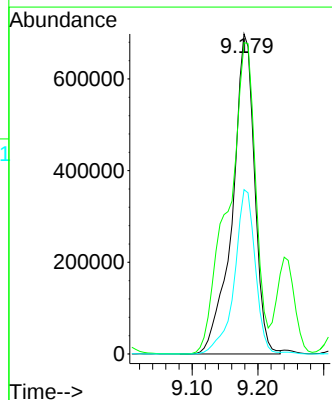
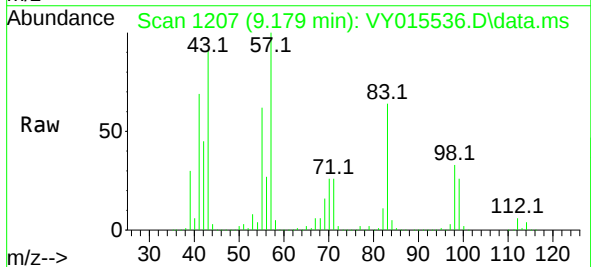
Instrument :
MSVOA_Y
ClientSampleId :
DB-3-(31-33)

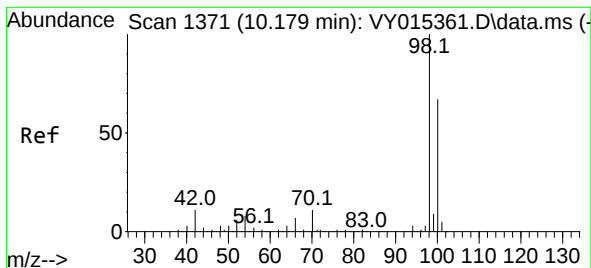
Tgt Ion:113 Resp: 158506
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 19.5 16.9 25.3



#39
Methylcyclohexane
Concen: 251.374 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY015536.D
Acq: 14 Sep 2023 16:15

Tgt Ion: 83 Resp: 1637151
Ion Ratio Lower Upper
83 100
55 97.2 63.0 94.4#
98 51.3 37.4 56.2





#50

Toluene-d8

Concen: 72.213 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA_Y

ClientSampleId :

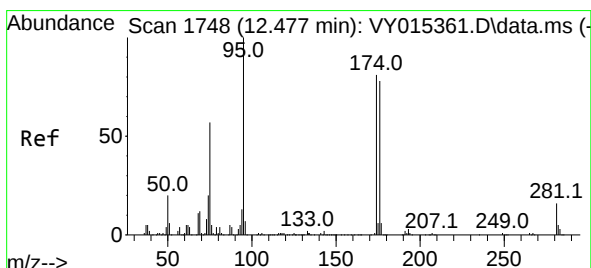
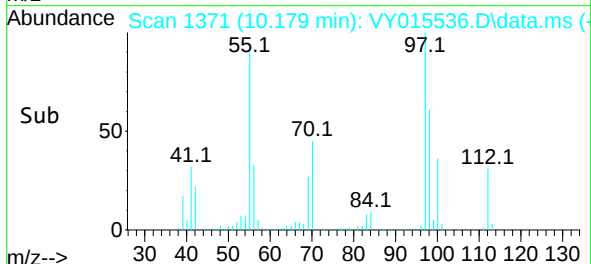
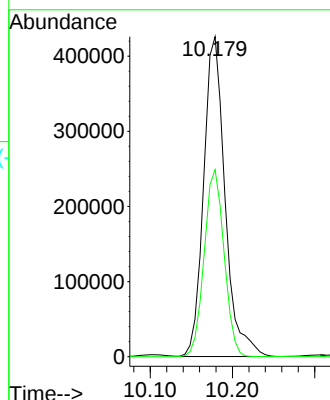
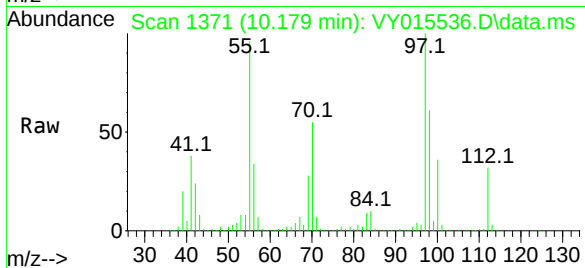
DB-3-(31-33)

Tgt Ion: 98 Resp: 770466

Ion Ratio Lower Upper

98 100

100 54.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 73.065 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

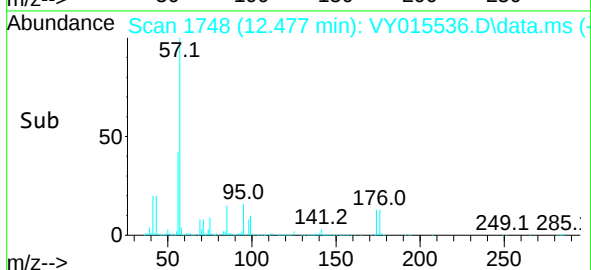
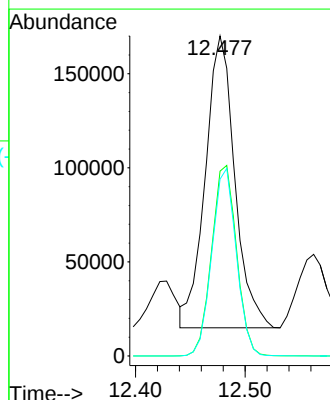
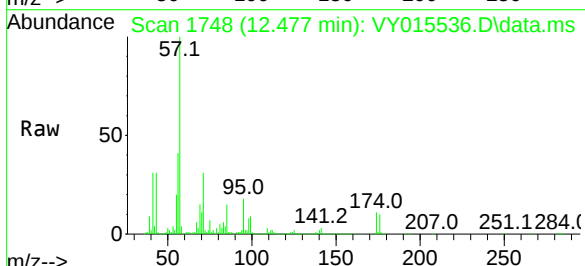
Tgt Ion: 95 Resp: 289400

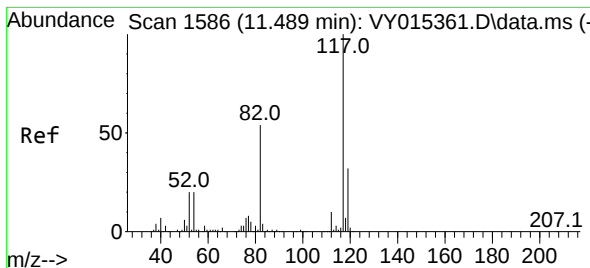
Ion Ratio Lower Upper

95 100

174 55.5 0.0 178.2

176 53.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA_Y

ClientSampleId :

DB-3-(31-33)

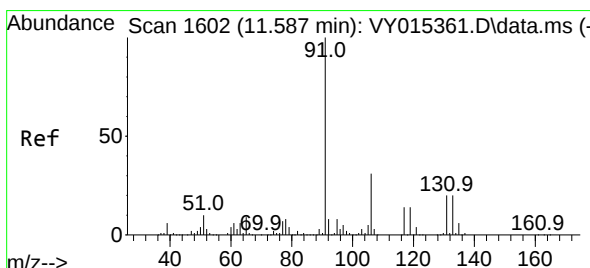
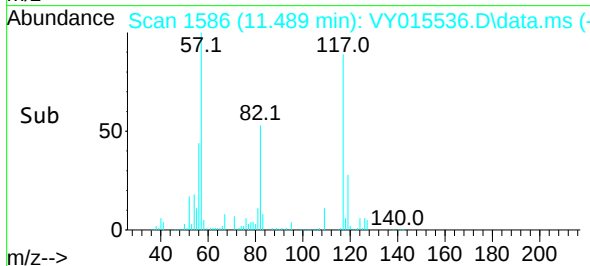
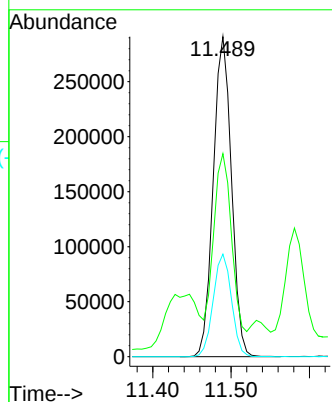
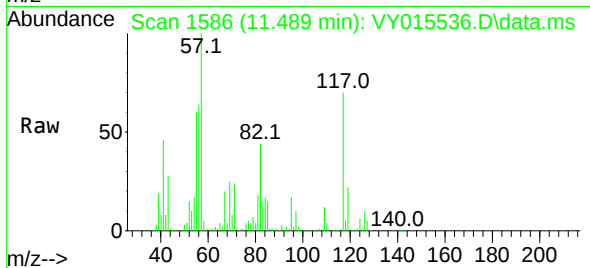
Tgt Ion:117 Resp: 469117

Ion Ratio Lower Upper

117 100

82 50.2 43.4 65.0

119 32.1 26.3 39.5



#67

Ethyl Benzene

Concen: 5.535 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY015536.D

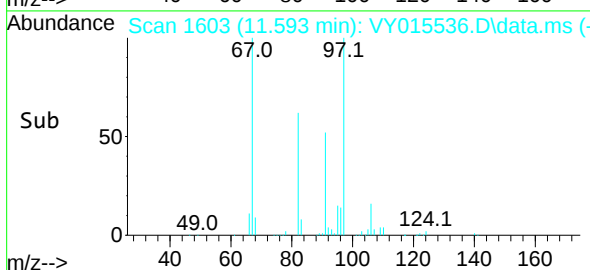
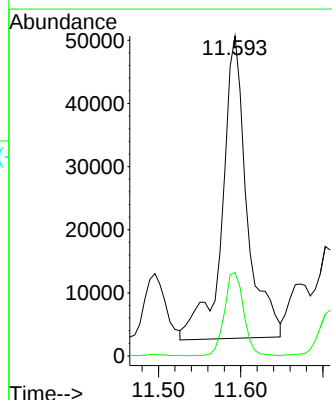
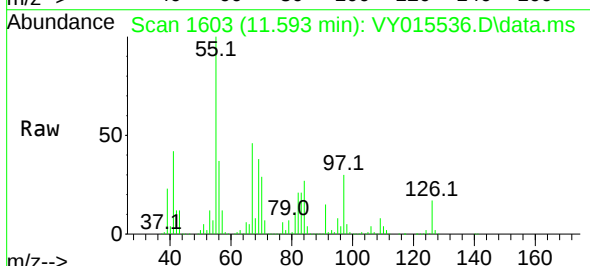
Acq: 14 Sep 2023 16:15

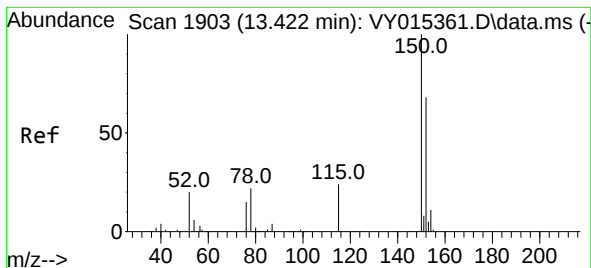
Tgt Ion: 91 Resp: 100466

Ion Ratio Lower Upper

91 100

106 28.1 24.6 36.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA_Y

ClientSampleId :

DB-3-(31-33)

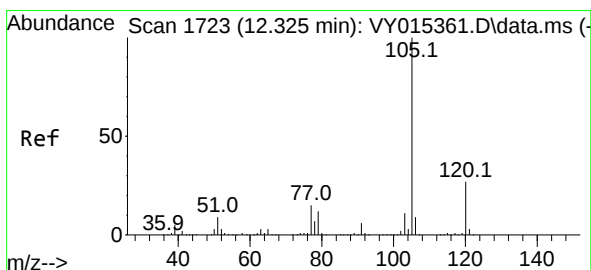
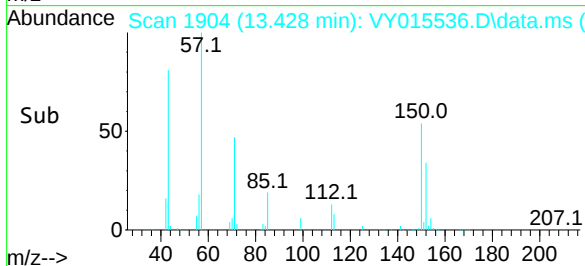
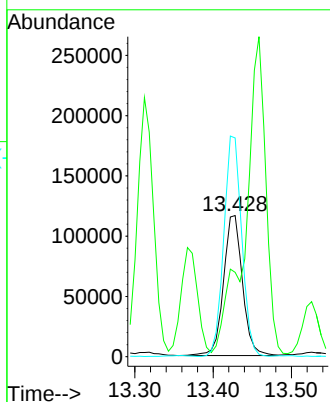
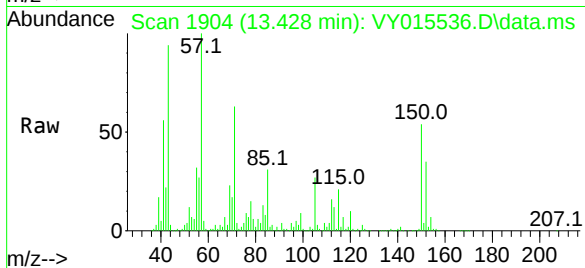
Tgt Ion:152 Resp: 194858

Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.5#

150 149.3 0.0 348.8



#73

Isopropylbenzene

Concen: 39.337 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. 0.000 min

Lab File: VY015536.D

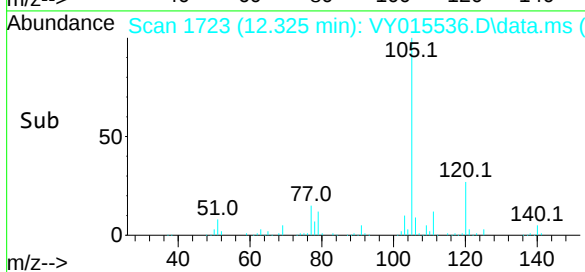
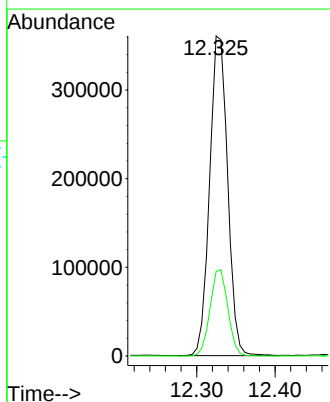
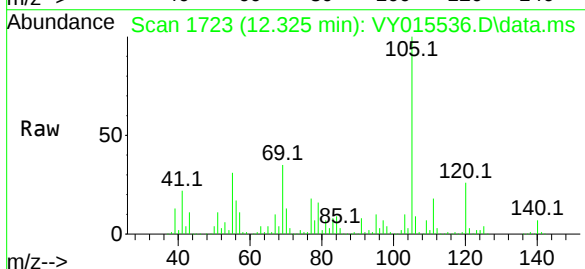
Acq: 14 Sep 2023 16:15

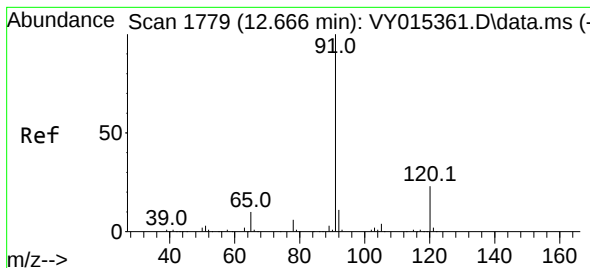
Tgt Ion:105 Resp: 575752

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9





#78

n-propylbenzene

Concen: 161.941 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.006 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA_Y

ClientSampleId :

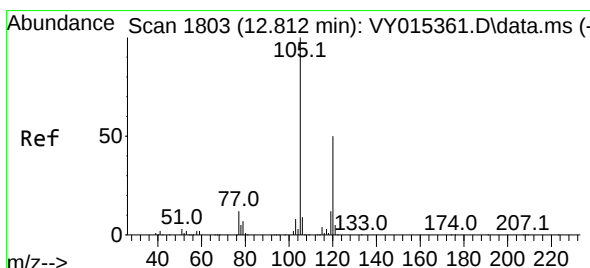
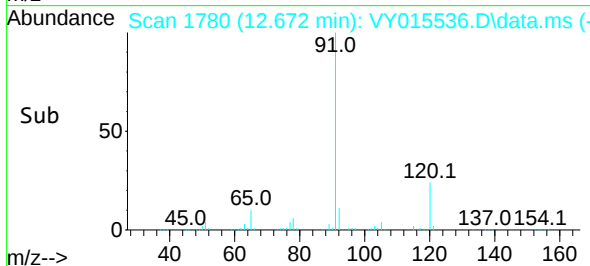
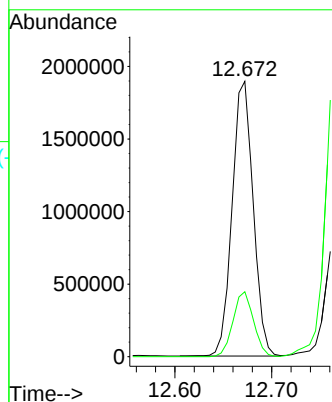
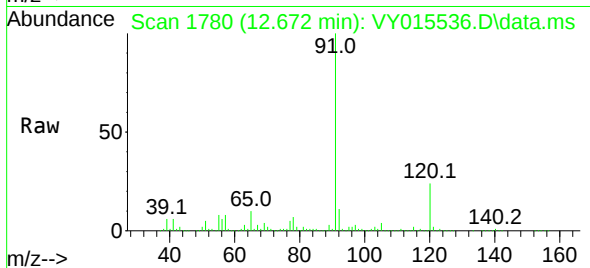
DB-3-(31-33)

Tgt Ion: 91 Resp: 2868059

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 313.149 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY015536.D

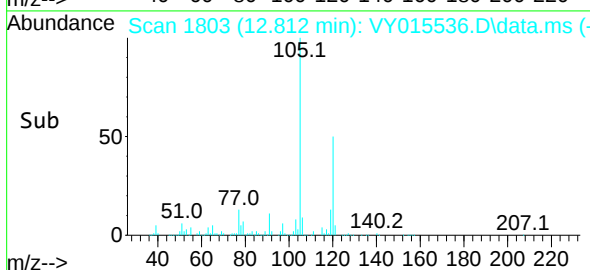
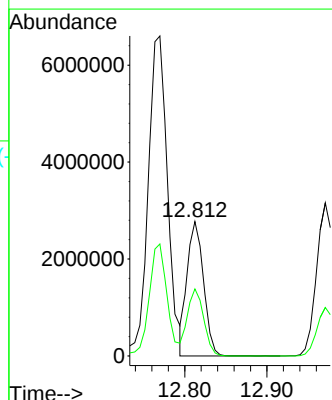
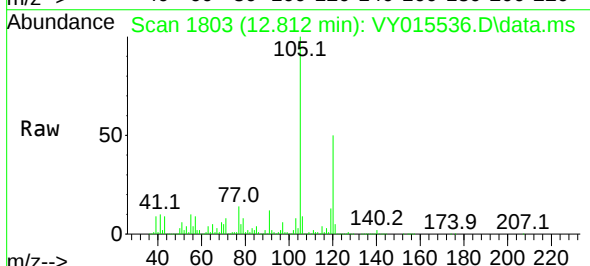
Acq: 14 Sep 2023 16:15

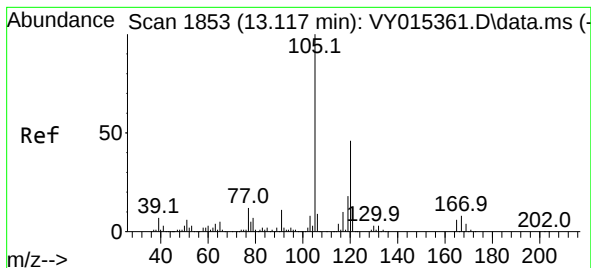
Tgt Ion:105 Resp: 3833687

Ion Ratio Lower Upper

105 100

120 49.6 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 1289.247 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015536.D

Acq: 14 Sep 2023 16:15

Instrument :

MSVOA_Y

ClientSampleId :

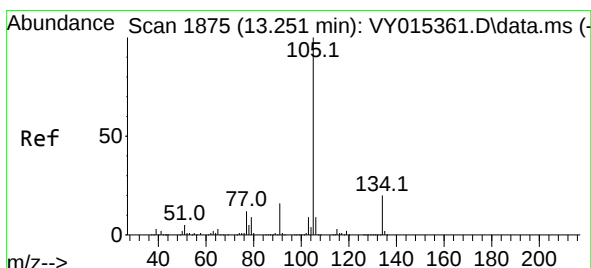
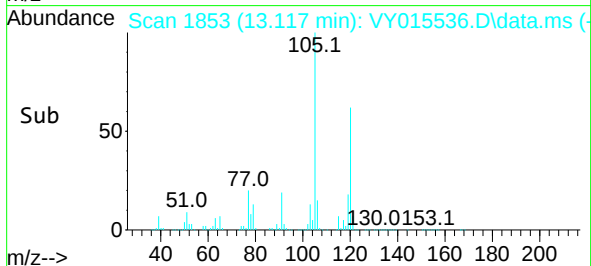
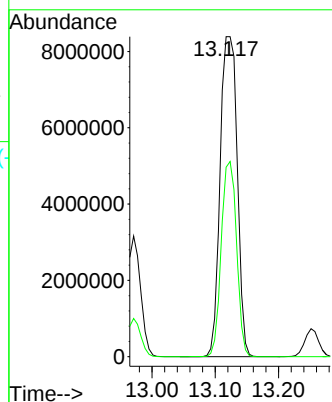
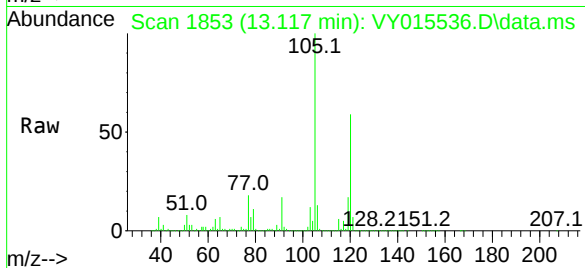
DB-3-(31-33)

Tgt Ion:105 Resp:15671201

Ion Ratio Lower Upper

105 100

120 54.6 22.2 66.6



#85

sec-Butylbenzene

Concen: 69.344 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY015536.D

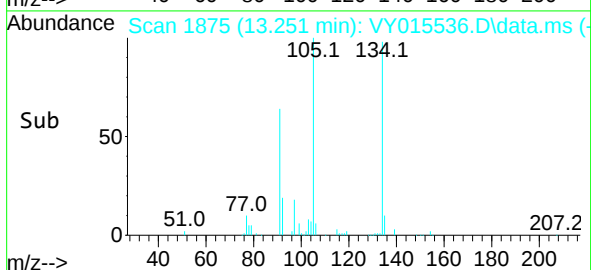
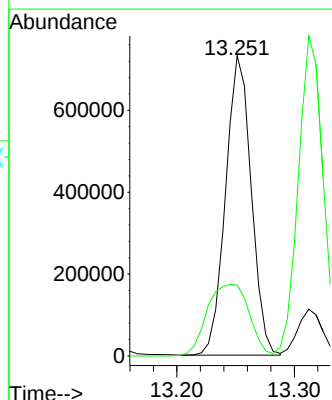
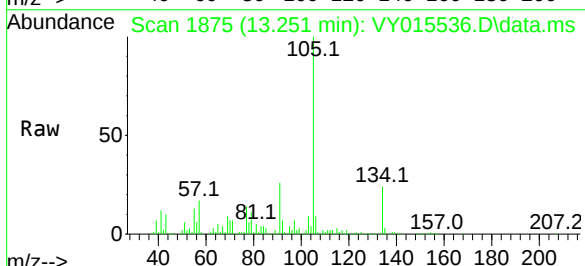
Acq: 14 Sep 2023 16:15

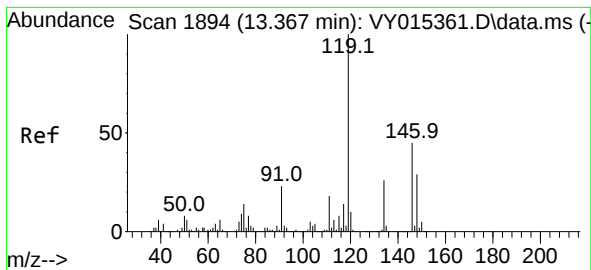
Tgt Ion:105 Resp: 1109048

Ion Ratio Lower Upper

105 100

134 39.1 10.2 30.6#





#86
 p-Isopropyltoluene
 Concen: 130.113 ug/l
 RT: 13.367 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY015536.D
 Acq: 14 Sep 2023 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-3-(31-33)

Tgt Ion:119 Resp: 1744084

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.8
91	24.8	12.4	37.4

