

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015291.D
 Acq On : 23 Aug 2023 19:19
 Operator : SY/MD
 Sample : 04119-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT2674

Quant Time: Aug 24 02:35:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

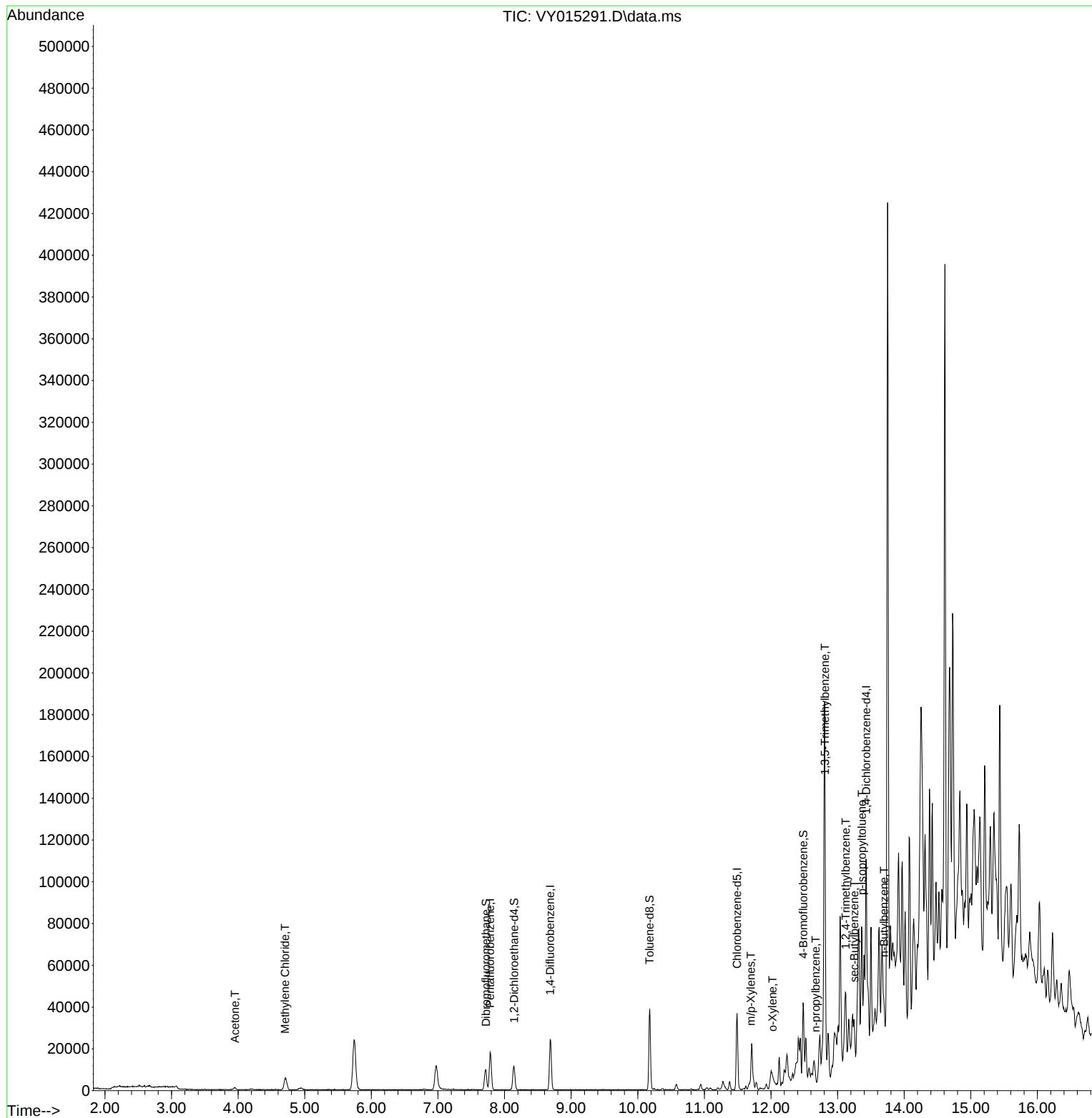
Internal Standards						
1) Pentafluorobenzene	7.783	168	13366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	21633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	19990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	9066	56.505	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.000%
35) Dibromofluoromethane	7.722	113	6779	48.709	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.420%
50) Toluene-d8	10.179	98	25844	49.884	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.760%
62) 4-Bromofluorobenzene	12.483	95	9137	48.286	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.580%
Target Compounds						
16) Acetone	3.954	43	1783	34.017	ug/l	98
20) Methylene Chloride	4.704	84	4177	31.652	ug/l	85
68) m/p-Xylenes	11.697	106	655	2.702	ug/l	97
69) o-Xylene	12.026	106	779	3.226	ug/l	86
78) n-propylbenzene	12.672	91	2163	2.878	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	7469	14.157	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	15884	30.129	ug/l	97
85) sec-Butylbenzene	13.252	105	3368	4.763	ug/l	89
86) p-Isopropyltoluene	13.367	119	4163	7.101	ug/l	99
89) n-Butylbenzene	13.697	91	4491	8.125	ug/l #	63

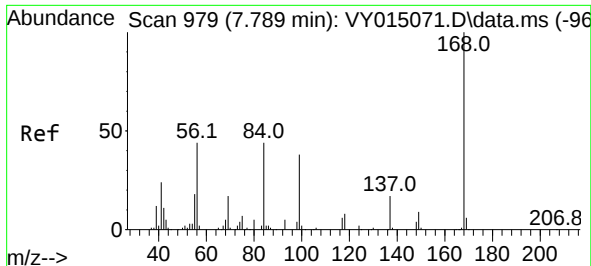
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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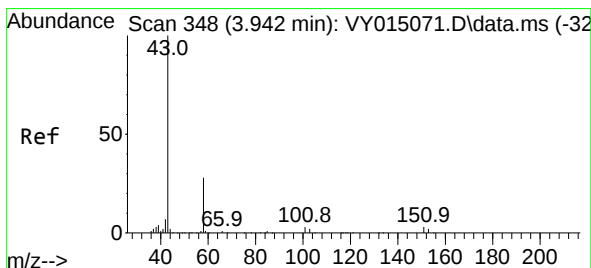
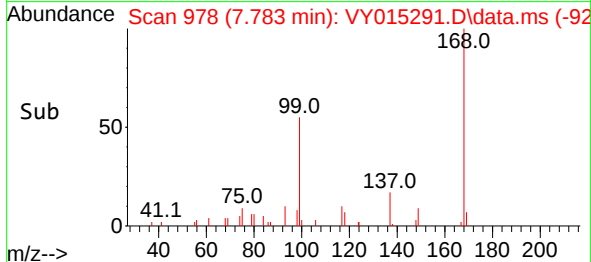
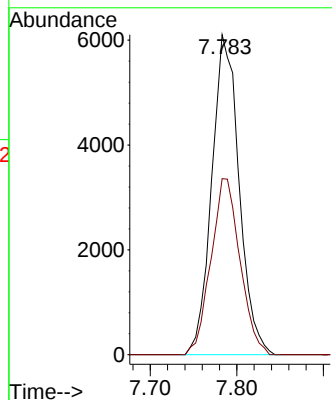
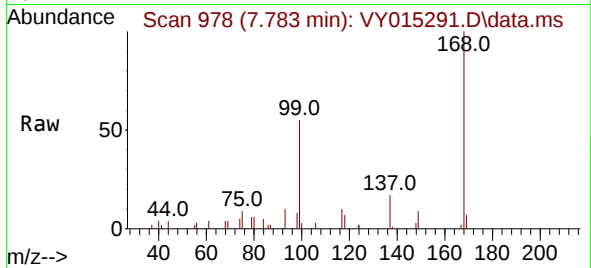




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015291.D
Acq: 23 Aug 2023 19:19

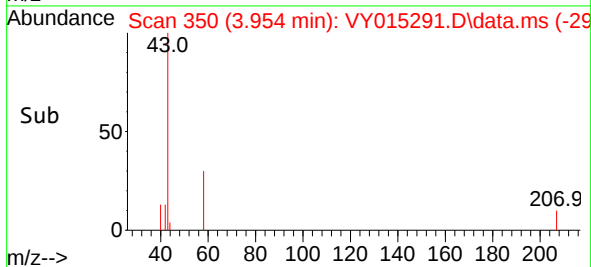
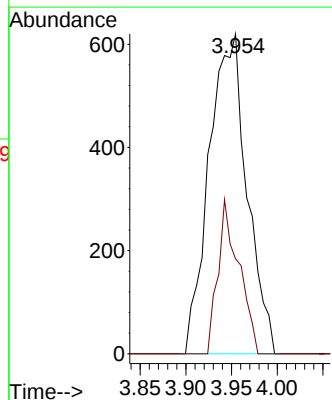
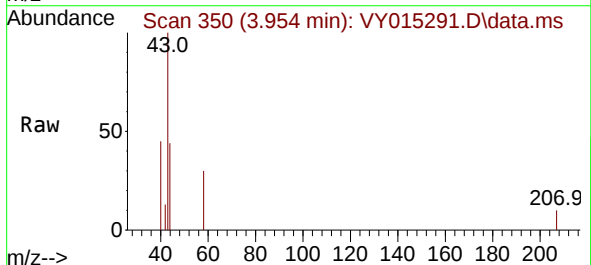
Instrument :
MSVOA_Y
ClientSampleId :
RT2674

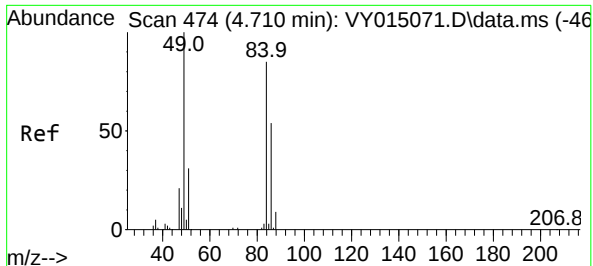
Tgt Ion:168 Resp: 13366
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#16
Acetone
Concen: 34.017 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015291.D
Acq: 23 Aug 2023 19:19

Tgt Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
58 29.7 22.7 34.1

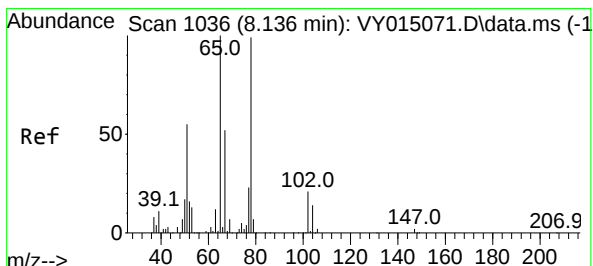
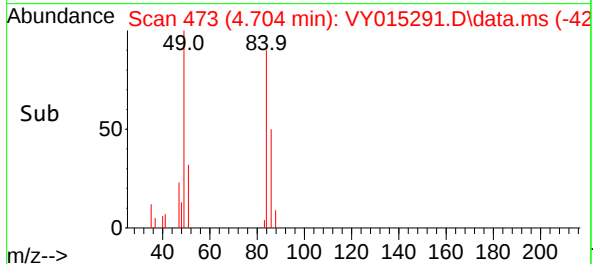
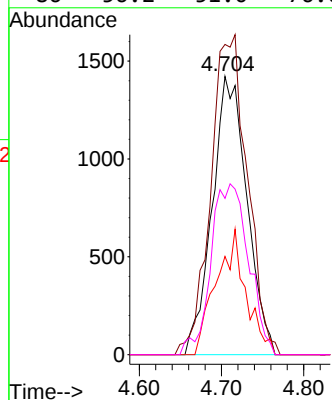
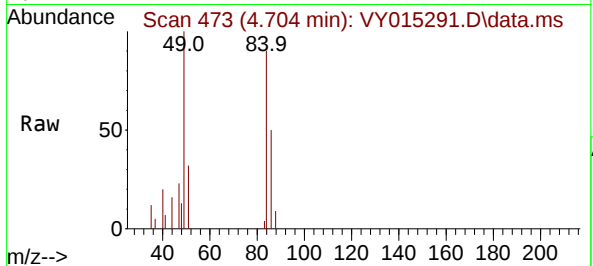




#20
Methylene Chloride
Concen: 31.652 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015291.D
Acq: 23 Aug 2023 19:19

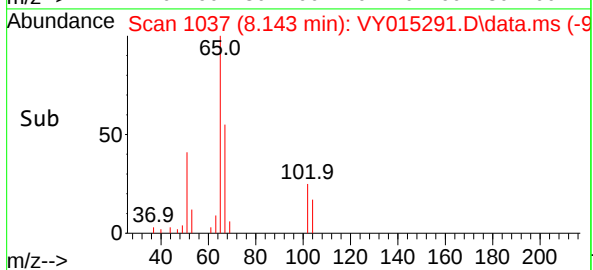
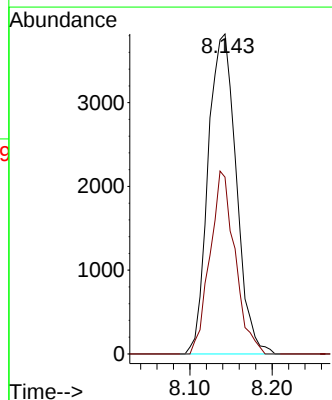
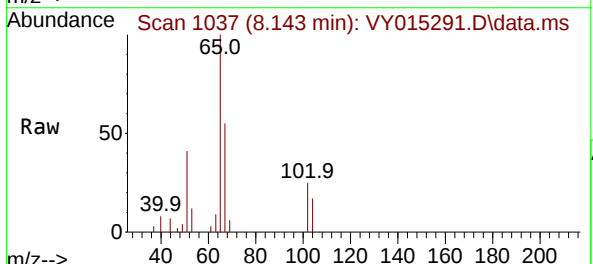
Instrument :
MSVOA_Y
ClientSampleId :
RT2674

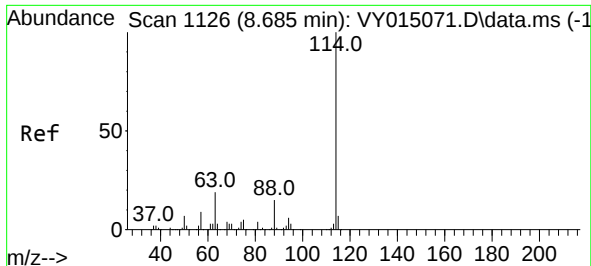
Tgt Ion:	84	Resp:	4177
Ion	Ratio	Lower	Upper
84	100		
49	111.5	106.9	160.3
51	35.3	33.2	49.8
86	56.2	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 56.505 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015291.D
Acq: 23 Aug 2023 19:19

Tgt Ion:	65	Resp:	9066
Ion	Ratio	Lower	Upper
65	100		
67	50.9	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: VY015291.D

Acq: 23 Aug 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

RT2674

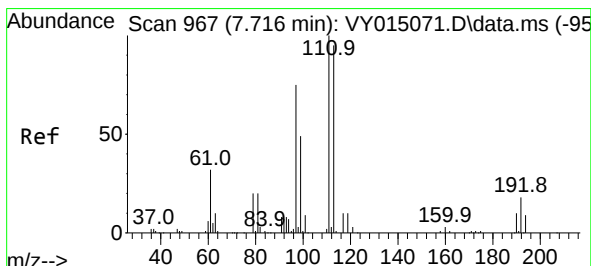
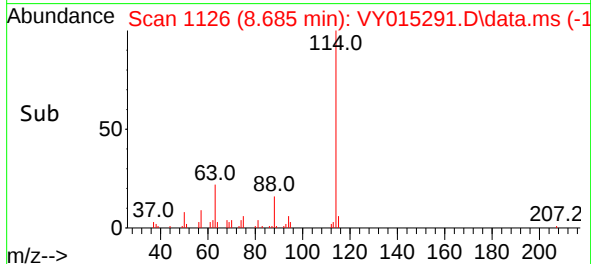
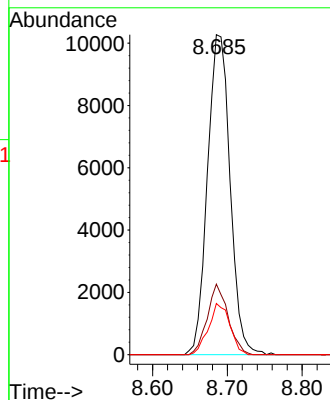
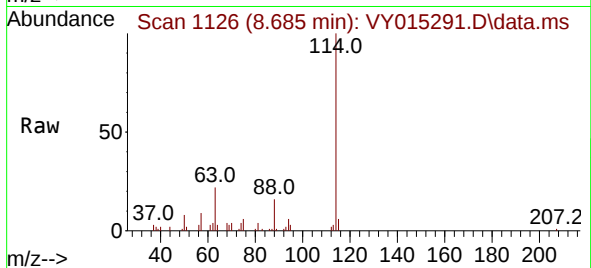
Tgt Ion:114 Resp: 21633

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.709 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015291.D

Acq: 23 Aug 2023 19:19

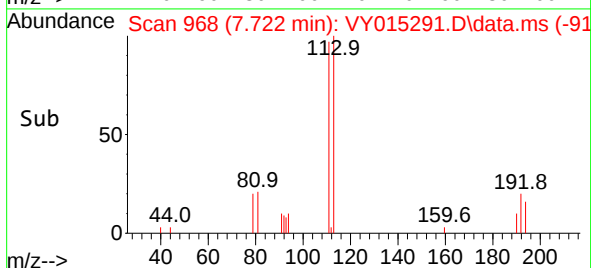
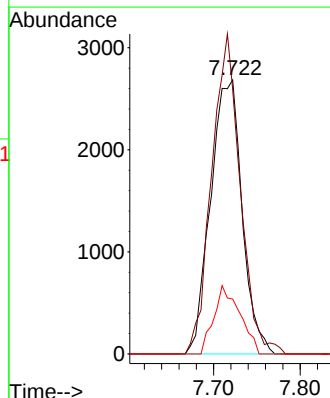
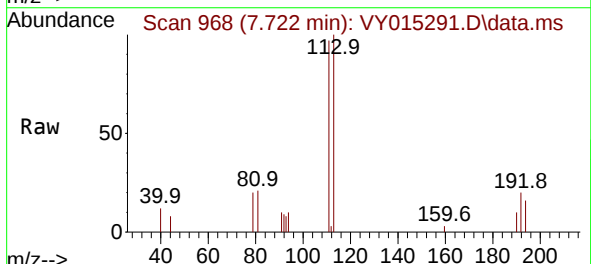
Tgt Ion:113 Resp: 6779

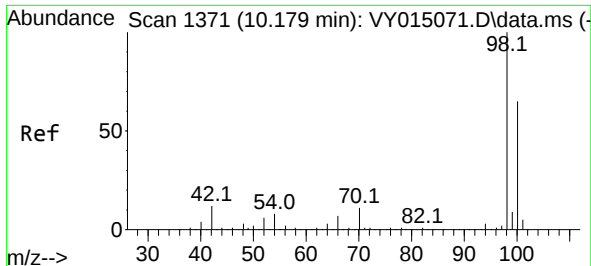
Ion Ratio Lower Upper

113 100

111 105.9 81.3 121.9

192 20.6 16.9 25.3

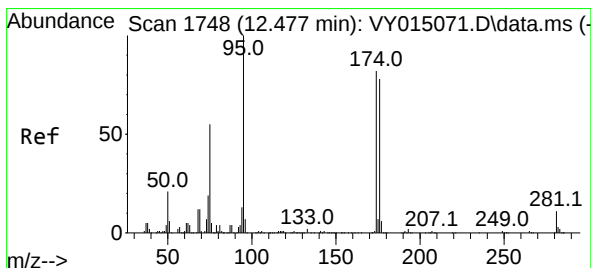
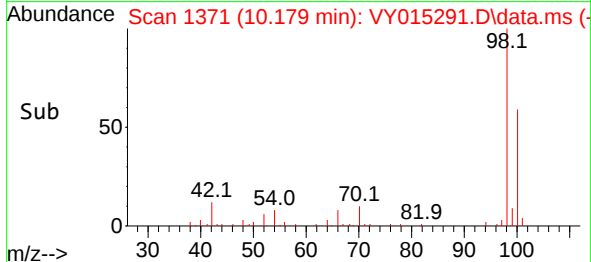
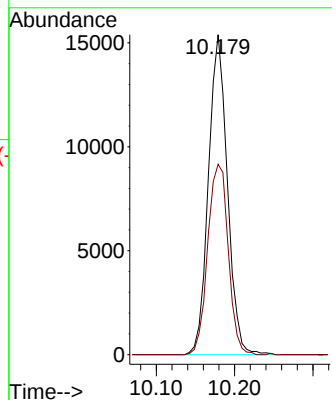
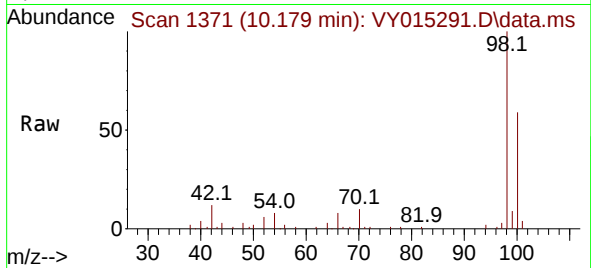




#50
Toluene-d8
Concen: 49.884 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015291.D
Acq: 23 Aug 2023 19:19

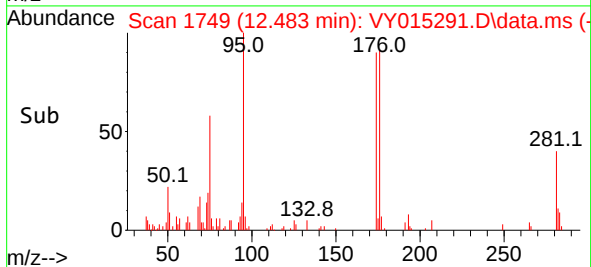
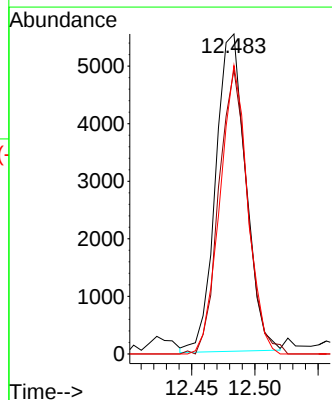
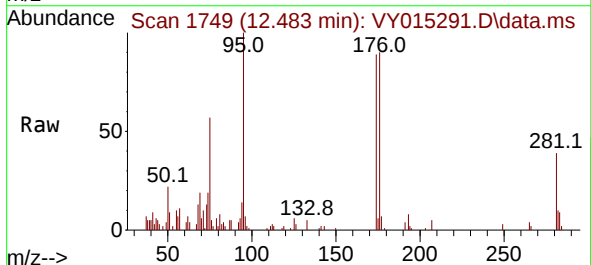
Instrument :
MSVOA_Y
ClientSampleId :
RT2674

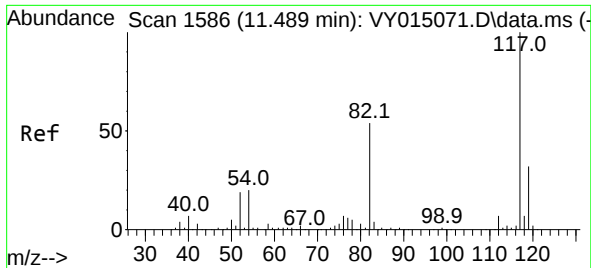
Tgt Ion: 98 Resp: 25844
Ion Ratio Lower Upper
98 100
100 64.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.286 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015291.D
Acq: 23 Aug 2023 19:19

Tgt Ion: 95 Resp: 9137
Ion Ratio Lower Upper
95 100
174 85.5 0.0 178.2
176 83.6 0.0 173.8

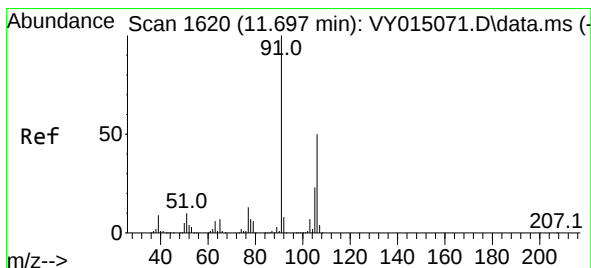
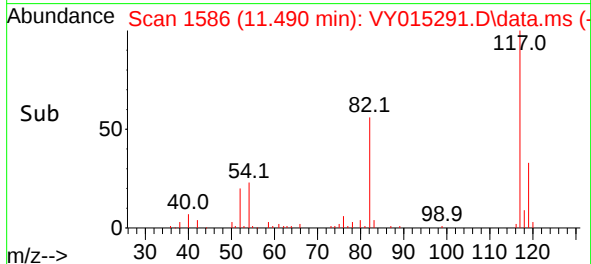
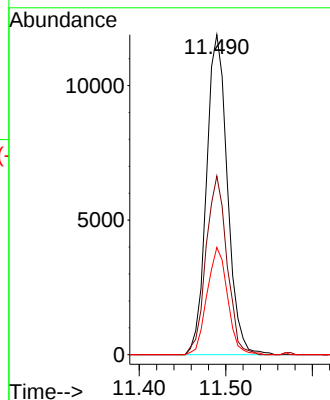
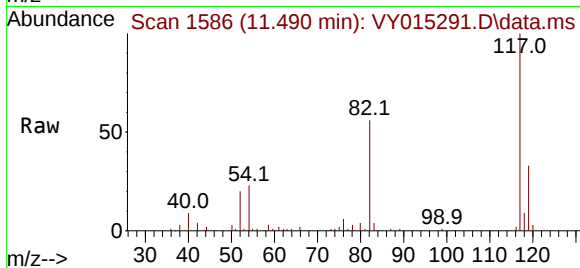




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY015291.D
Acq: 23 Aug 2023 19:19

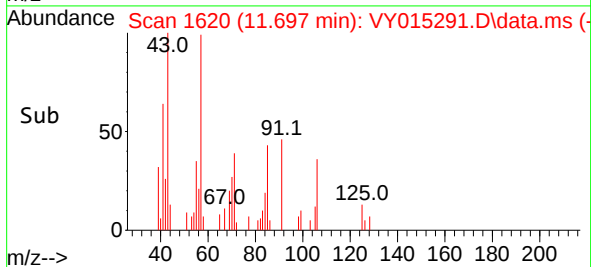
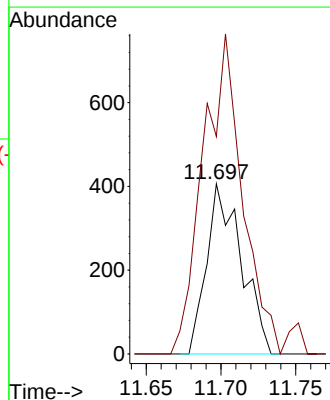
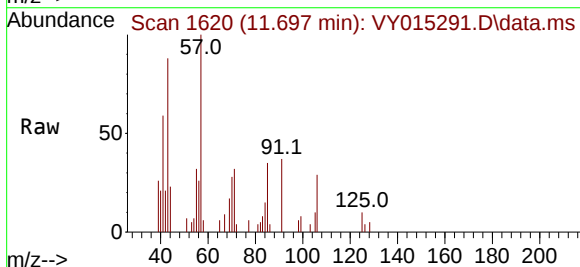
Instrument :
MSVOA_Y
ClientSampleId :
RT2674

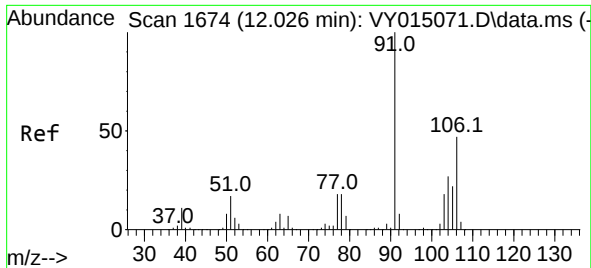
Tgt Ion:117	Resp:	19990
Ion	Ratio	Lower Upper
117	100	
82	55.9	43.4 65.0
119	33.5	26.3 39.5



#68
m/p-Xylenes
Concen: 2.702 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY015291.D
Acq: 23 Aug 2023 19:19

Tgt Ion:106	Resp:	655
Ion	Ratio	Lower Upper
106	100	
91	213.0	166.1 249.1

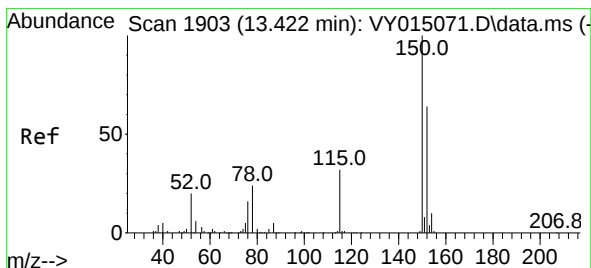
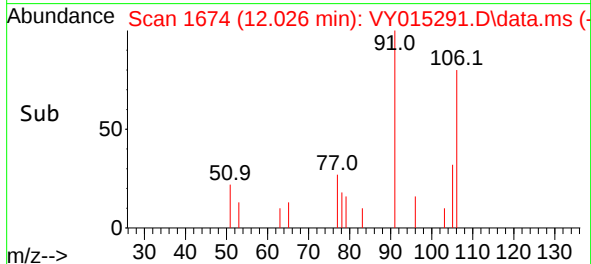
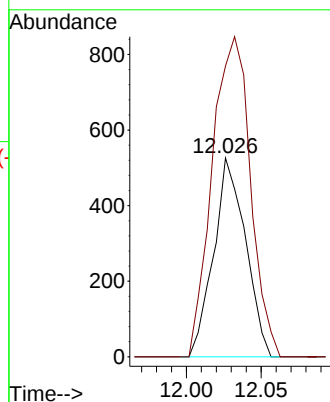
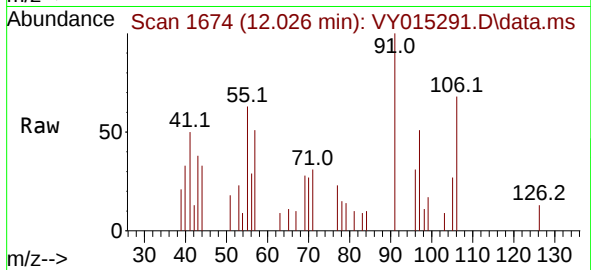




#69
o-Xylene
Concen: 3.226 ug/l
RT: 12.026 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015291.D
Acq: 23 Aug 2023 19:19

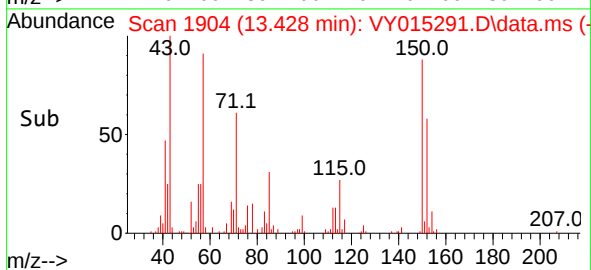
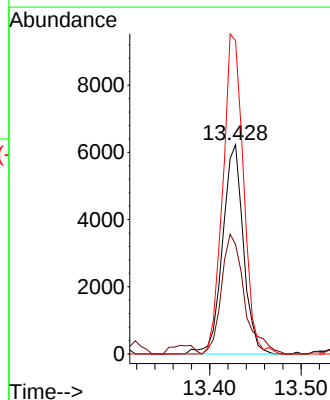
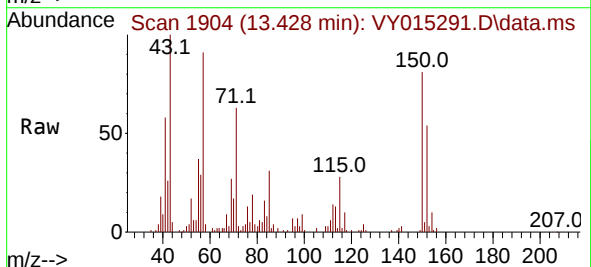
Instrument :
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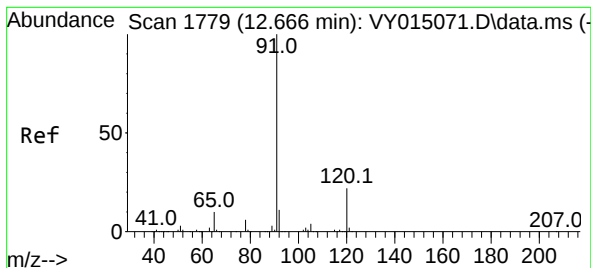
Tgt Ion:106 Resp: 779
Ion Ratio Lower Upper
106 100
91 193.3 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015291.D
Acq: 23 Aug 2023 19:19

Tgt Ion:152 Resp: 9843
Ion Ratio Lower Upper
152 100
115 63.5 28.8 86.5
150 151.9 0.0 348.8





#78

n-propylbenzene

Concen: 2.878 ug/l

RT: 12.672 min Scan# 1779

Delta R.T. 0.006 min

Lab File: VY015291.D

Acq: 23 Aug 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

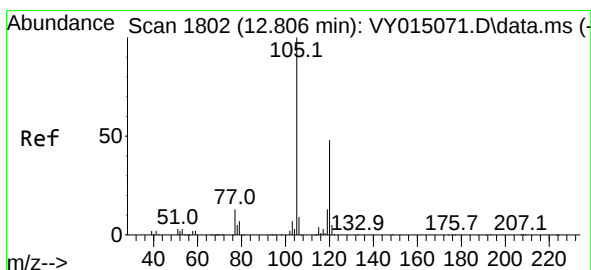
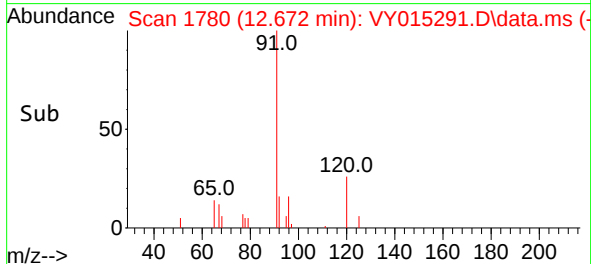
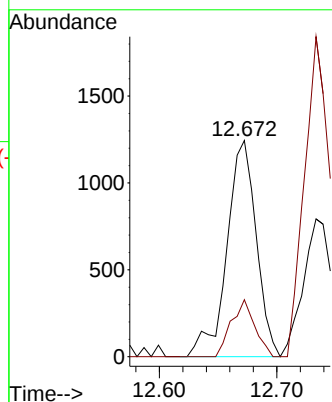
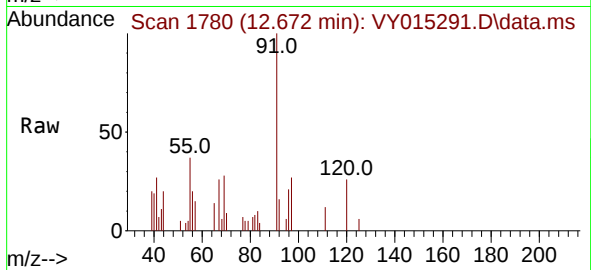
RT2674

Tgt Ion: 91 Resp: 2163

Ion Ratio Lower Upper

91 100

120 21.1 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 14.157 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY015291.D

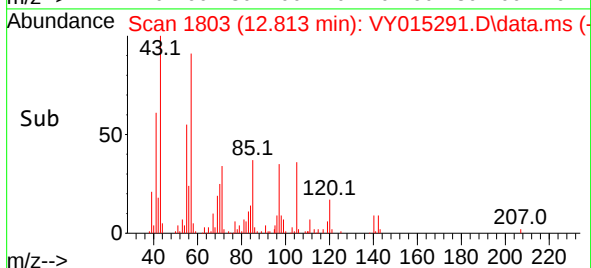
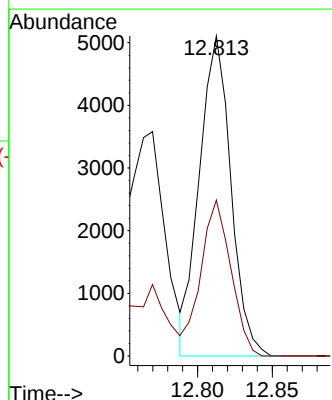
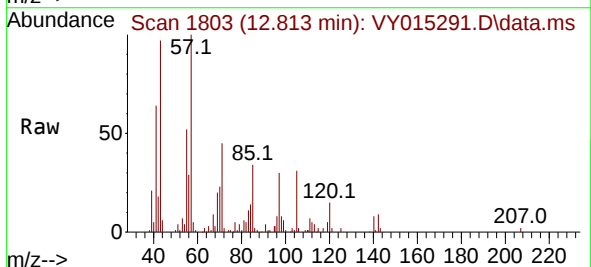
Acq: 23 Aug 2023 19:19

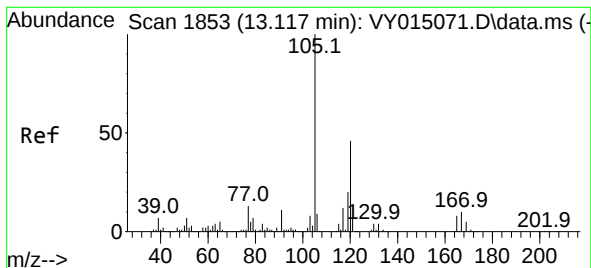
Tgt Ion:105 Resp: 7469

Ion Ratio Lower Upper

105 100

120 46.8 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 30.129 ug/l

RT: 13.123 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VY015291.D

Acq: 23 Aug 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

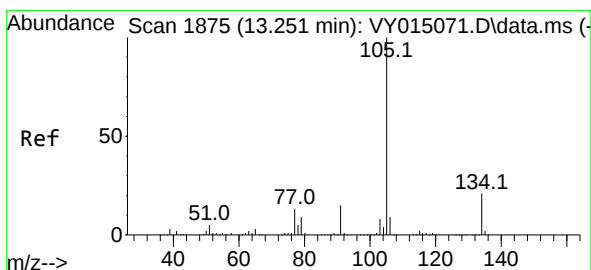
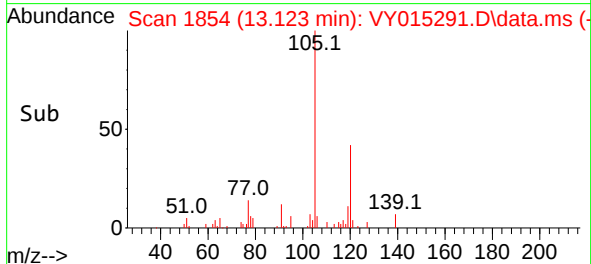
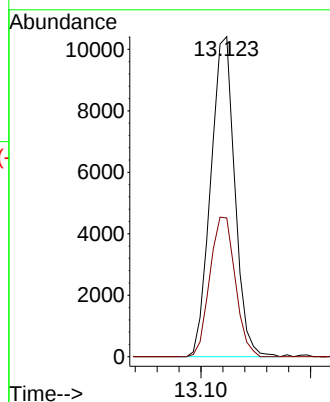
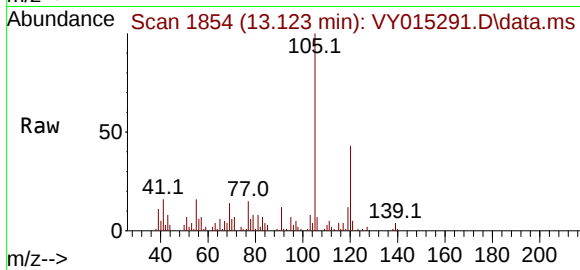
RT2674

Tgt Ion:105 Resp: 15884

Ion Ratio Lower Upper

105 100

120 46.0 22.2 66.6



#85

sec-Butylbenzene

Concen: 4.763 ug/l

RT: 13.252 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY015291.D

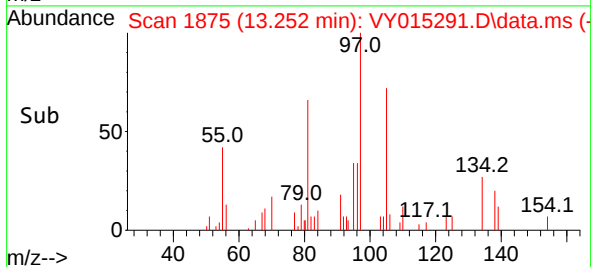
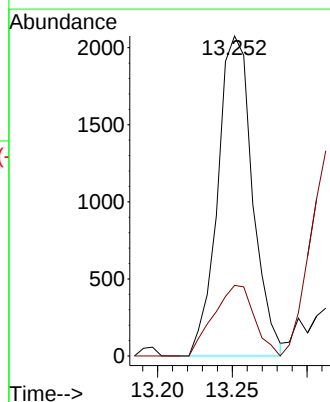
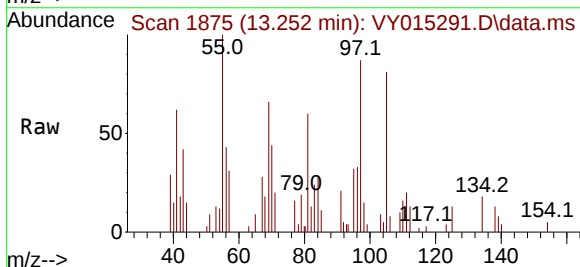
Acq: 23 Aug 2023 19:19

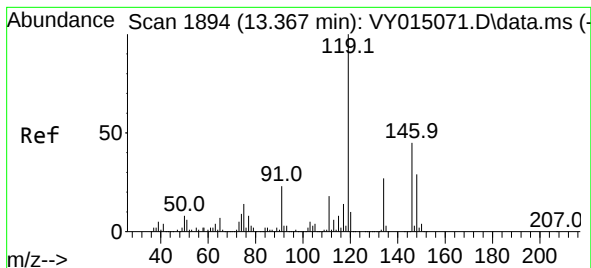
Tgt Ion:105 Resp: 3368

Ion Ratio Lower Upper

105 100

134 25.7 10.2 30.6





#86

p-Isopropyltoluene

Concen: 7.101 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY015291.D

Acq: 23 Aug 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

RT2674

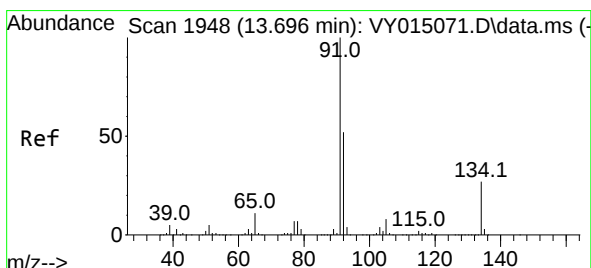
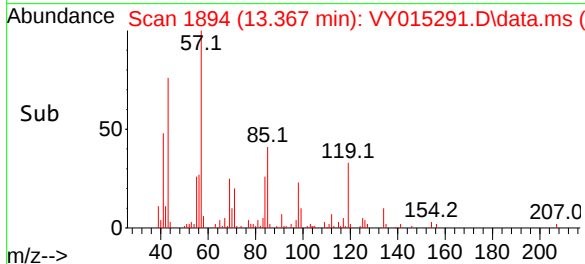
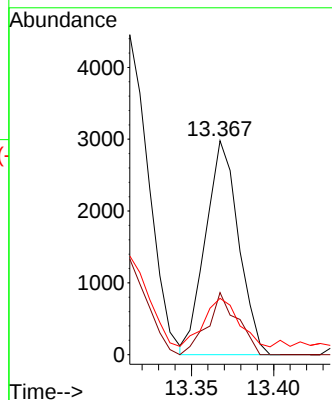
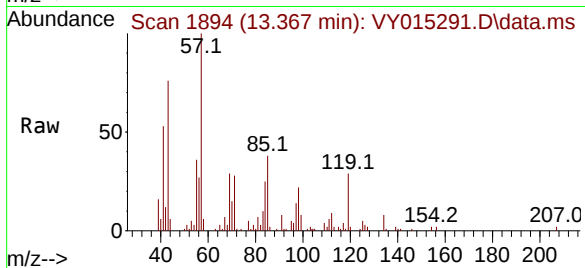
Tgt Ion:119 Resp: 4163

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 23.7 12.4 37.4



#89

n-Butylbenzene

Concen: 8.125 ug/l

RT: 13.697 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY015291.D

Acq: 23 Aug 2023 19:19

Tgt Ion: 91 Resp: 4491

Ion Ratio Lower Upper

91 100

92 72.1 25.4 76.0

134 0.0 12.6 37.6#

