

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015204.D
 Acq On : 18 Aug 2023 18:34
 Operator : SY/MD
 Sample : 04086-16
 Misc : 5.02g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP18B

Quant Time: Aug 18 23:15:12 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)

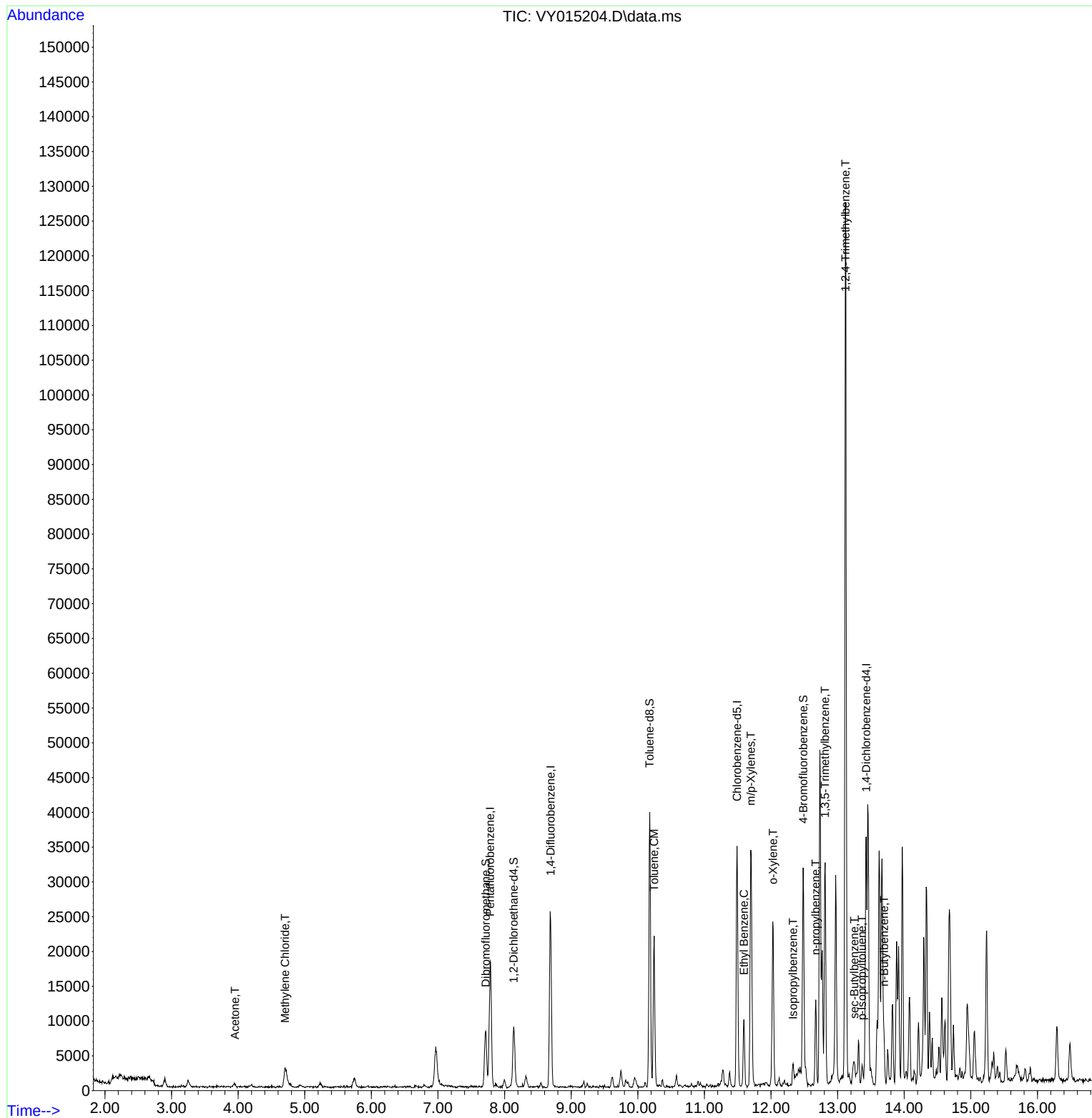
Internal Standards						
1) Pentafluorobenzene	7.783	168	14683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	23046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	19199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6716	38.104	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.200%
35) Dibromofluoromethane	7.716	113	5639	38.034	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.060%
50) Toluene-d8	10.179	98	26065	47.226	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.460%
62) 4-Bromofluorobenzene	12.483	95	8502	42.175	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.360%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	869	15.092	ug/l	98
20) Methylene Chloride	4.704	84	2148	12.301	ug/l	90
52) Toluene	10.246	92	8577	26.241	ug/l	98
67) Ethyl Benzene	11.593	91	6762	11.033	ug/l	96
68) m/p-Xylenes	11.697	106	10687	45.910	ug/l	95
69) o-Xylene	12.032	106	6426	27.711	ug/l	99
73) Isopropylbenzene	12.331	105	2144	3.737	ug/l	99
78) n-propylbenzene	12.672	91	9539	14.003	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	15565	32.551	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	67319	140.887	ug/l	100
85) sec-Butylbenzene	13.251	105	2033	3.172	ug/l #	64
86) p-Isopropyltoluene	13.367	119	1098	2.067	ug/l	95
89) n-Butylbenzene	13.696	91	3592	7.170	ug/l #	74

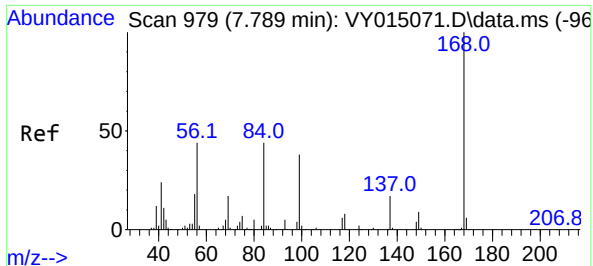
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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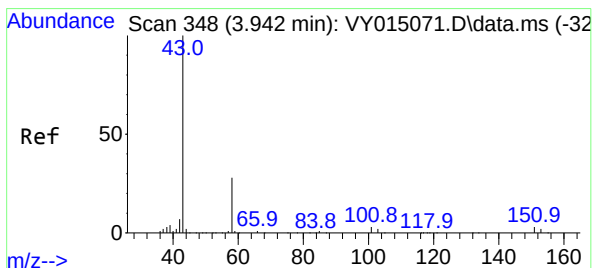
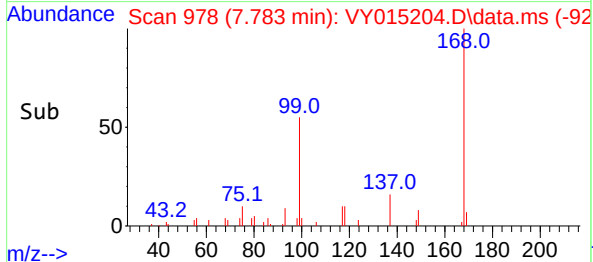
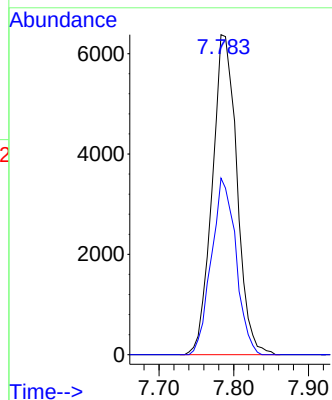
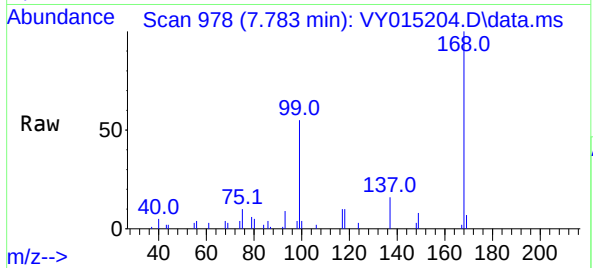




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

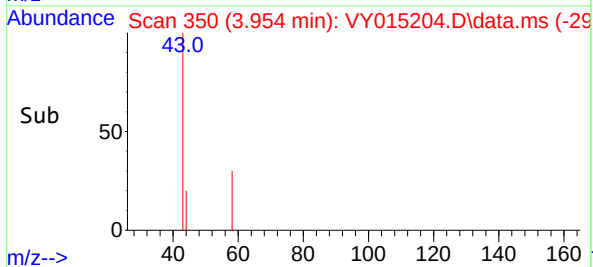
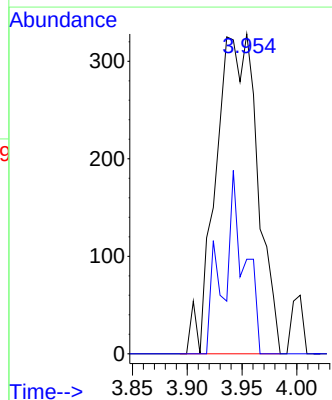
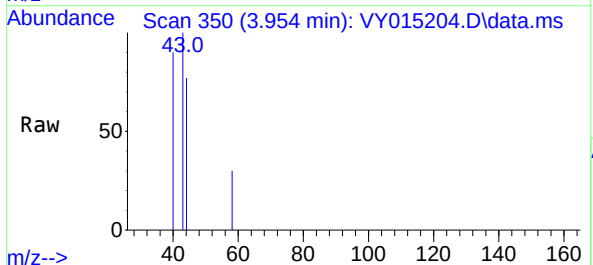
Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

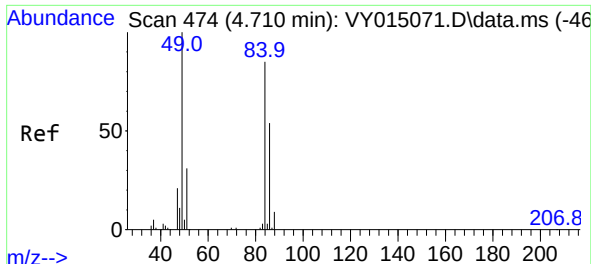
Tgt Ion:168 Resp: 14683
Ion Ratio Lower Upper
168 100
99 55.1 43.4 65.0



#16
Acetone
Concen: 15.092 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

Tgt Ion: 43 Resp: 869
Ion Ratio Lower Upper
43 100
58 29.6 22.7 34.1



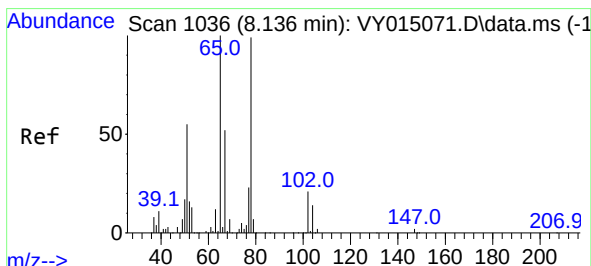
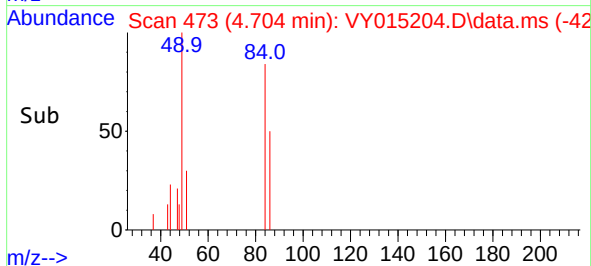
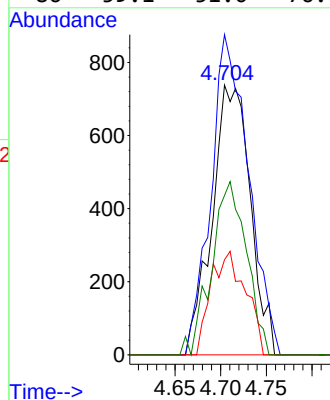
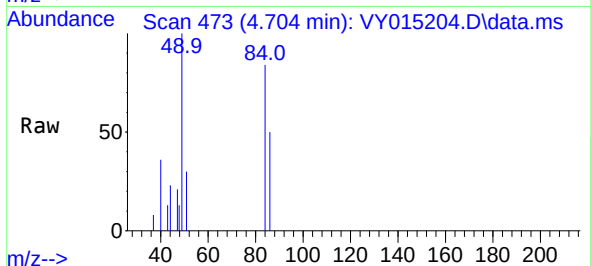


#20
Methylene Chloride
Concen: 12.301 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

Tgt Ion: 84 Resp: 2148

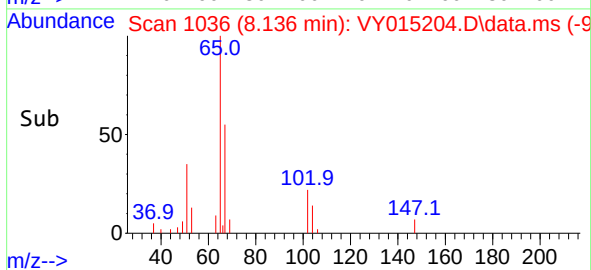
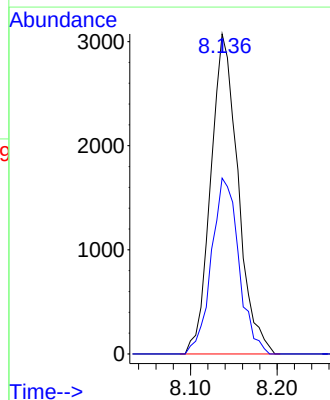
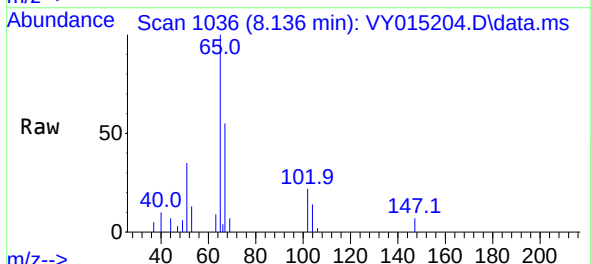
Ion	Ratio	Lower	Upper
84	100		
49	118.7	106.9	160.3
51	35.2	33.2	49.8
86	59.1	51.0	76.6

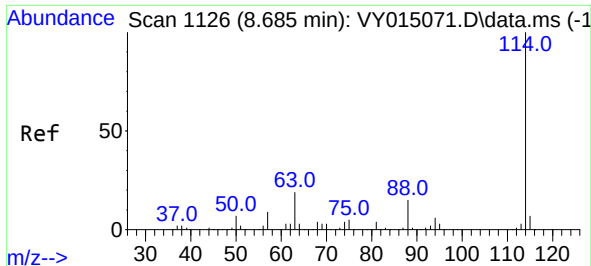


#33
1,2-Dichloroethane-d4
Concen: 38.104 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

Tgt Ion: 65 Resp: 6716

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015204.D

Acq: 18 Aug 2023 18:34

Instrument :

MSVOA_Y

ClientSampleId :

B-PP18B

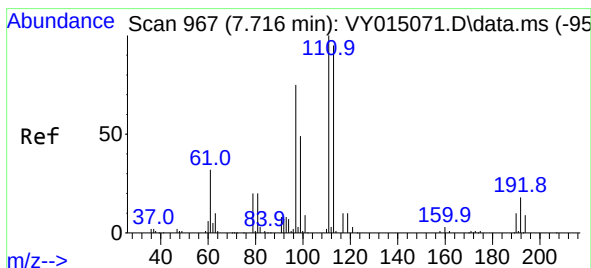
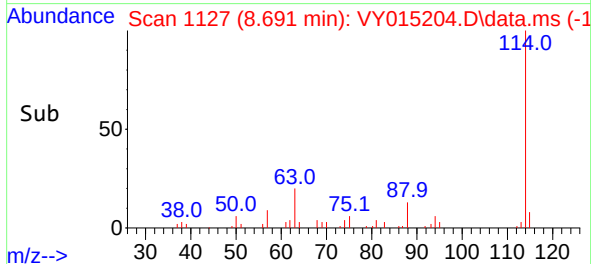
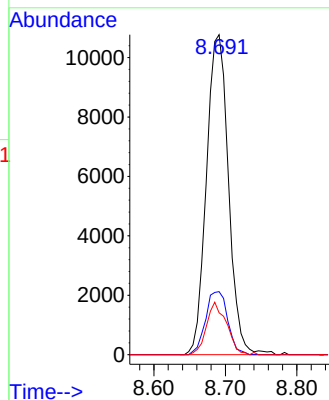
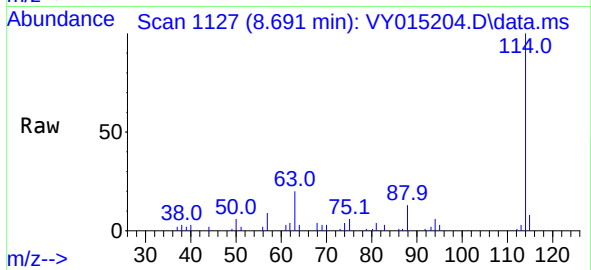
Tgt Ion:114 Resp: 23046

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 13.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 38.034 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015204.D

Acq: 18 Aug 2023 18:34

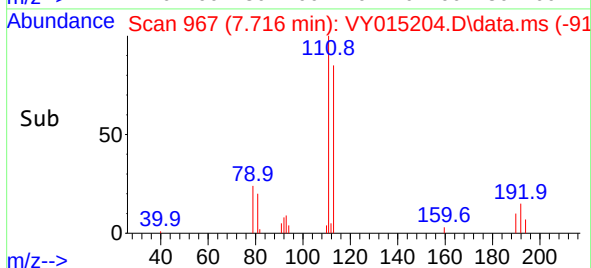
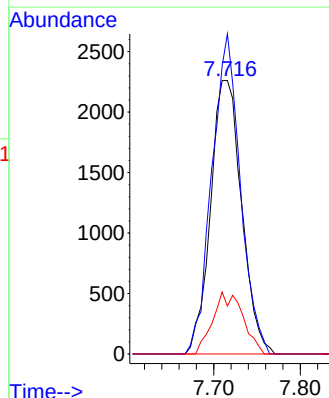
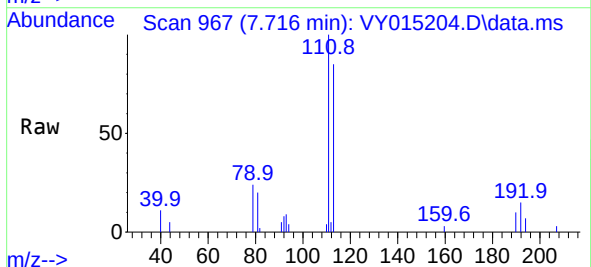
Tgt Ion:113 Resp: 5639

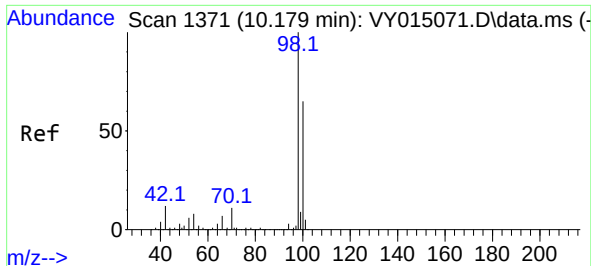
Ion Ratio Lower Upper

113 100

111 107.0 81.3 121.9

192 21.9 16.9 25.3

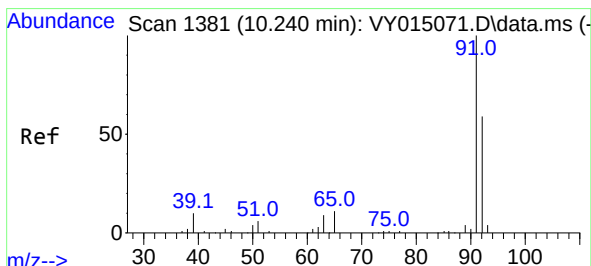
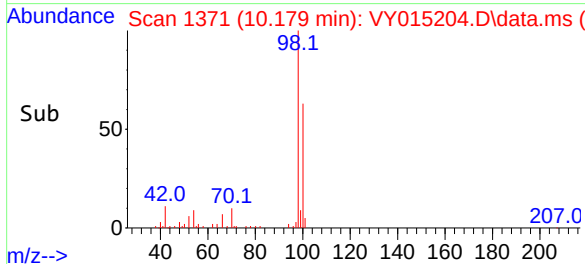
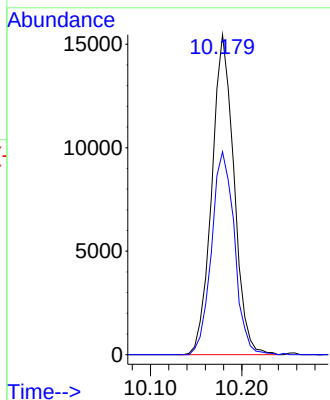
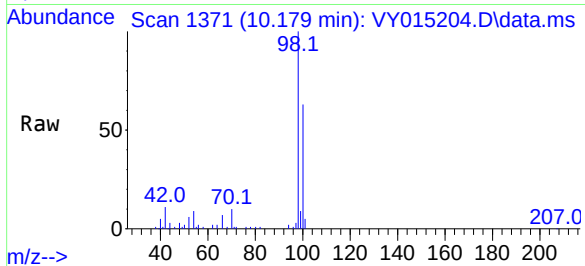




#50
Toluene-d8
Concen: 47.226 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

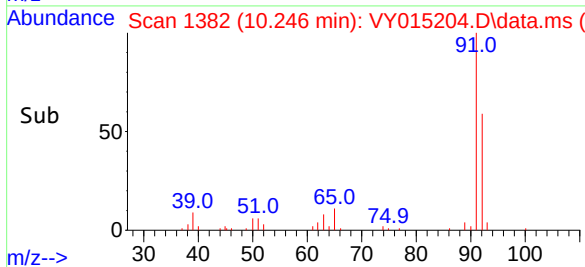
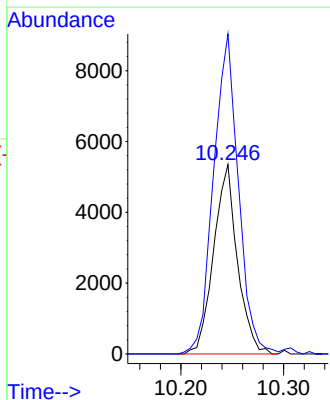
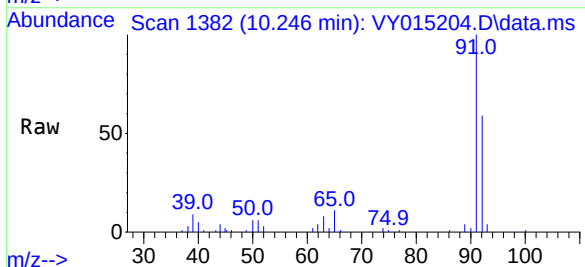
Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

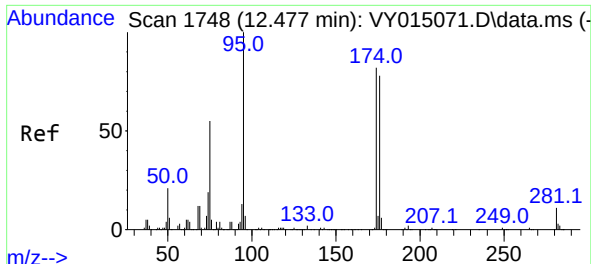
Tgt Ion: 98 Resp: 26065
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#52
Toluene
Concen: 26.241 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

Tgt Ion: 92 Resp: 8577
Ion Ratio Lower Upper
92 100
91 176.9 143.8 215.6

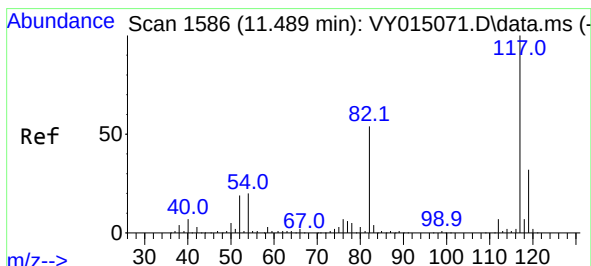
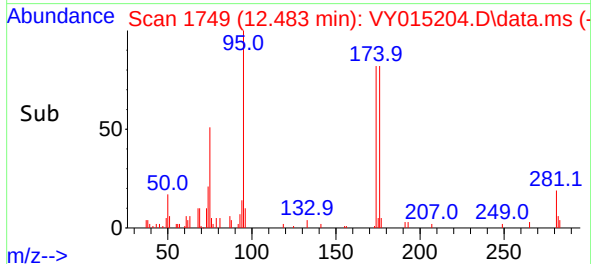
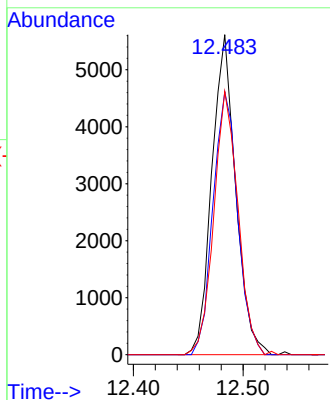
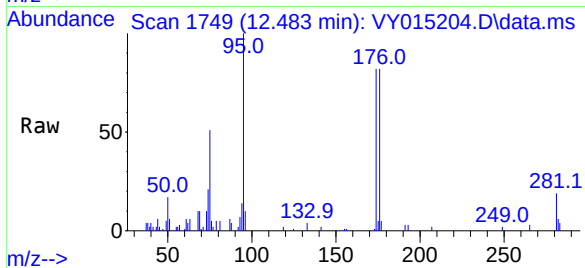




#62
4-Bromofluorobenzene
Concen: 42.175 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

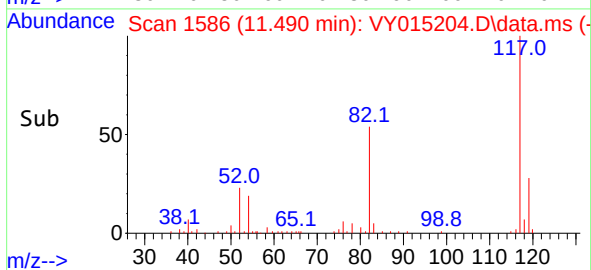
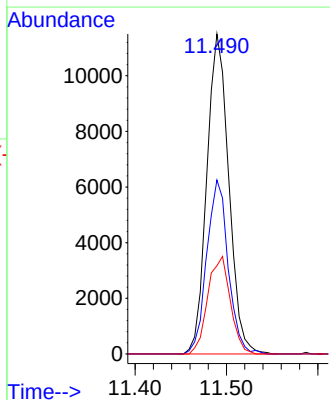
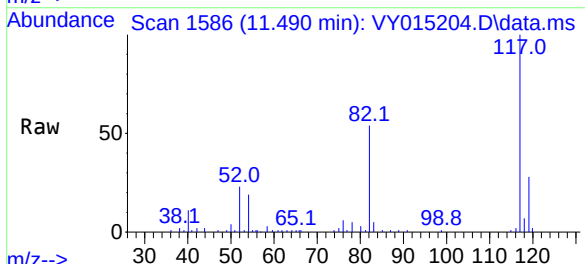
Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

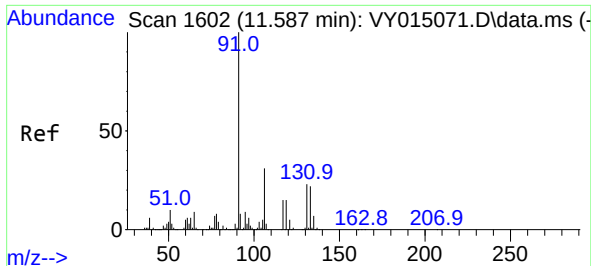
Tgt Ion:	95	Resp:	8502
Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	178.2
176	83.3	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

Tgt Ion:	117	Resp:	19199
Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.4	65.0
119	27.5	26.3	39.5

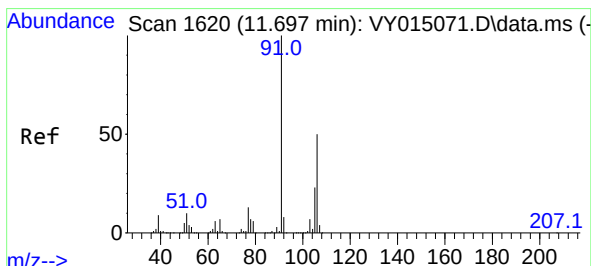
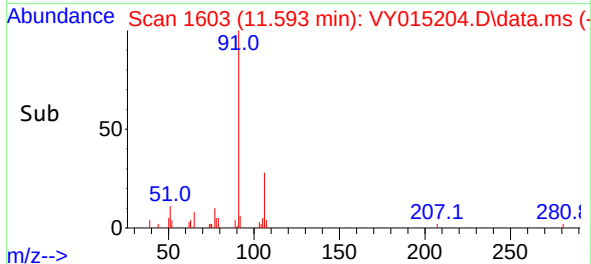
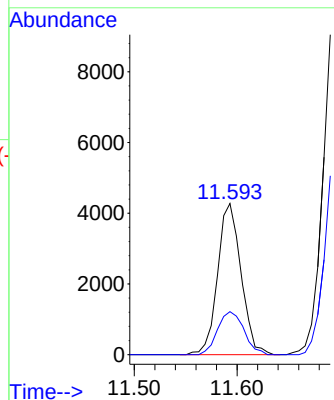
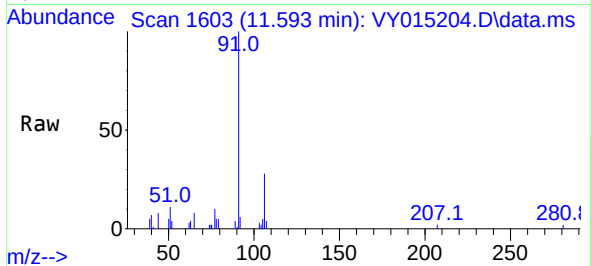




#67
Ethyl Benzene
Concen: 11.033 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

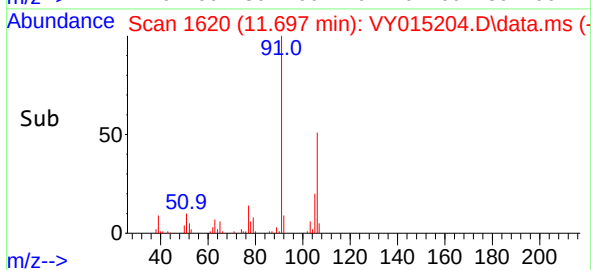
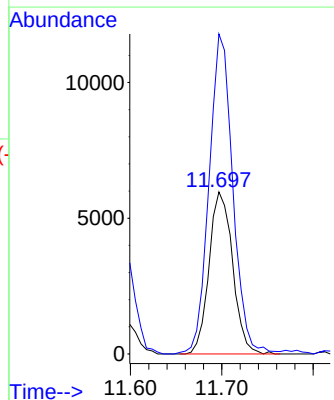
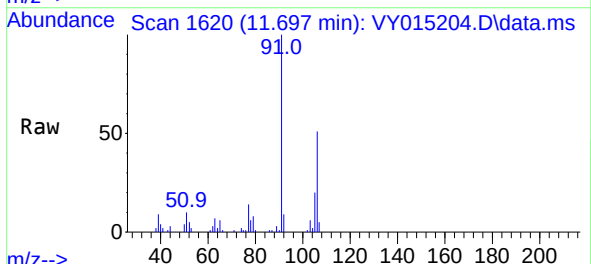
Instrument :
MSVOA_Y
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B-PP18B

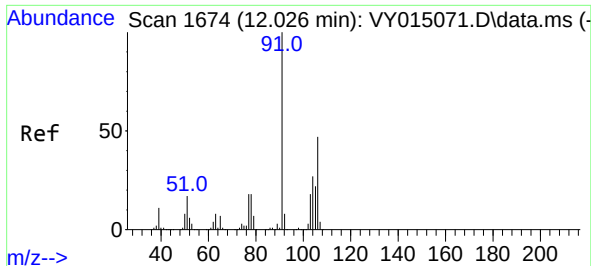
Tgt Ion: 91 Resp: 6762
Ion Ratio Lower Upper
91 100
106 28.5 24.6 36.8



#68
m/p-Xylenes
Concen: 45.910 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

Tgt Ion:106 Resp: 10687
Ion Ratio Lower Upper
106 100
91 199.1 166.1 249.1

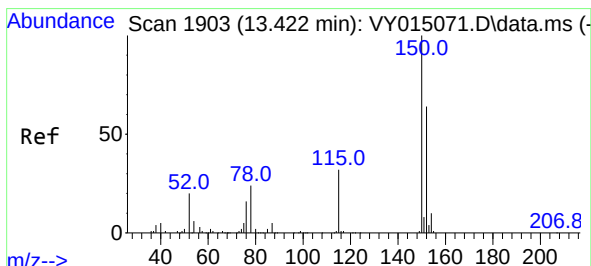
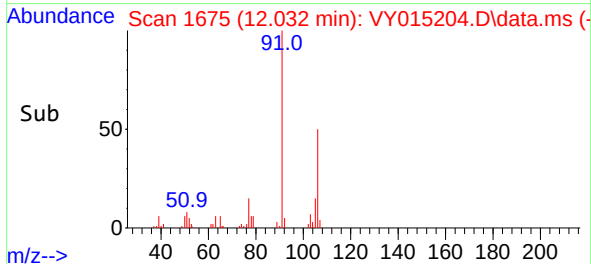
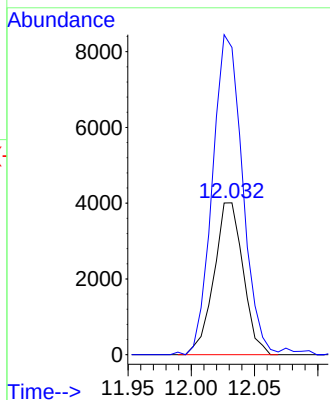
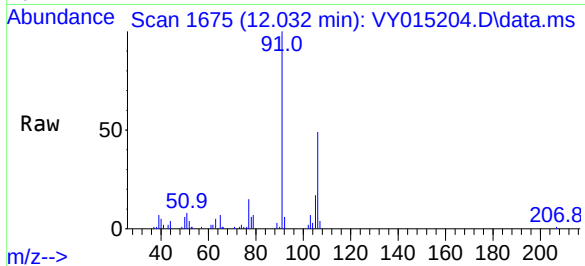




#69
o-Xylene
Concen: 27.711 ug/l
RT: 12.032 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

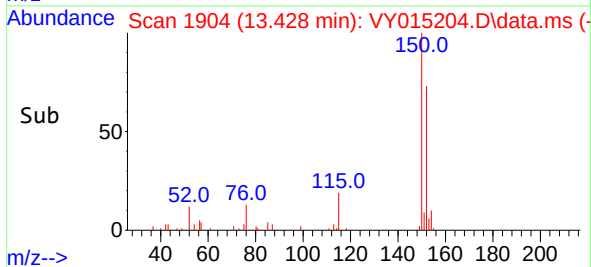
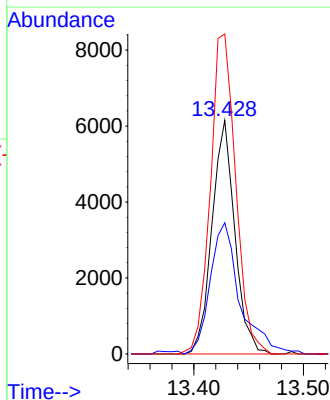
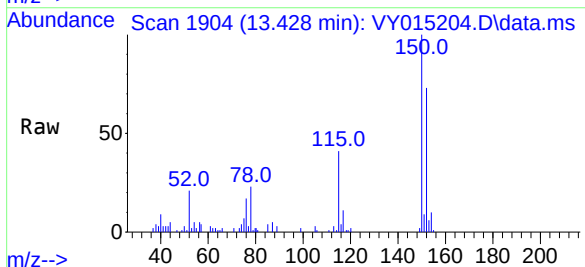
Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

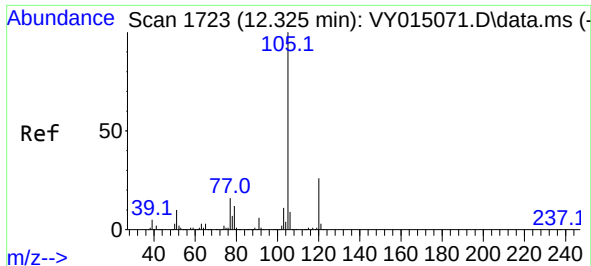
Tgt Ion:106 Resp: 6426
Ion Ratio Lower Upper
106 100
91 217.2 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

Tgt Ion:152 Resp: 8921
Ion Ratio Lower Upper
152 100
115 73.3 28.8 86.5
150 152.1 0.0 348.8

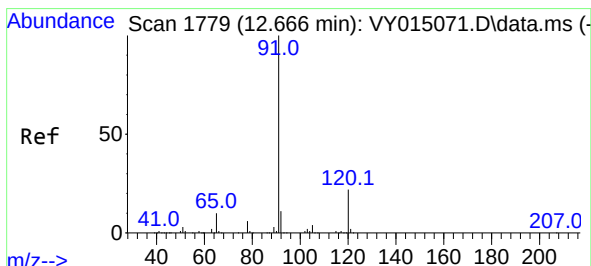
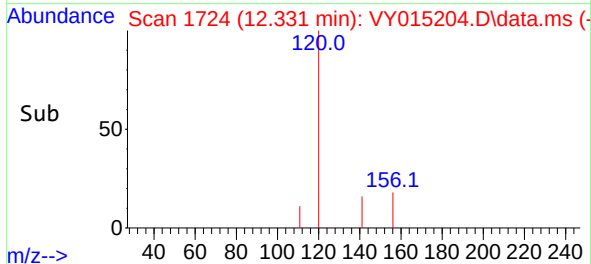
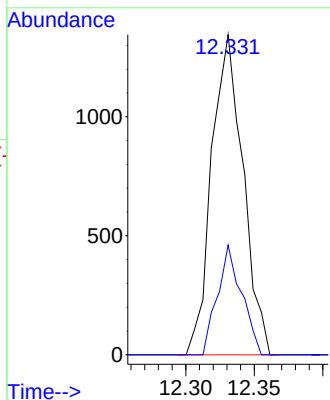
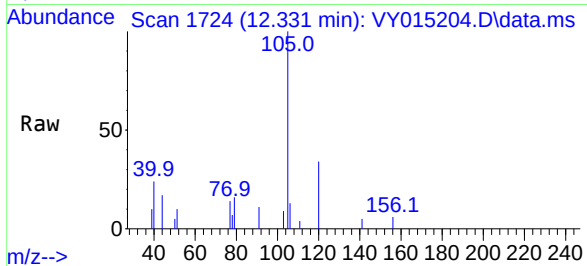




#73
Isopropylbenzene
Concen: 3.737 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

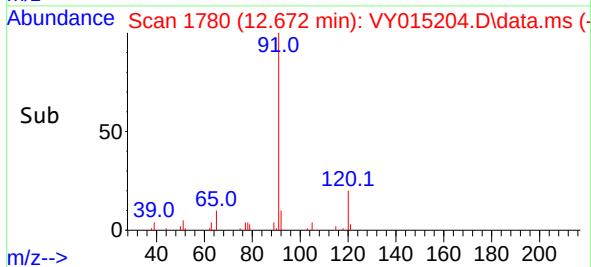
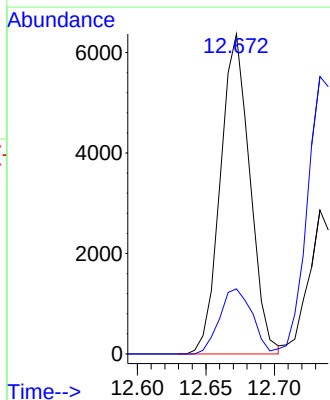
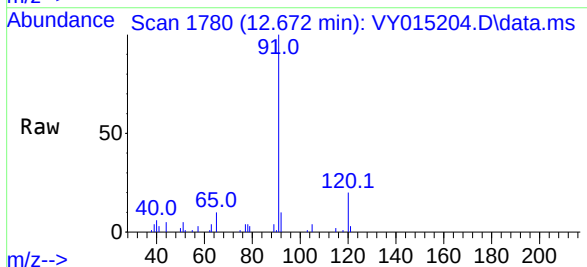
Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

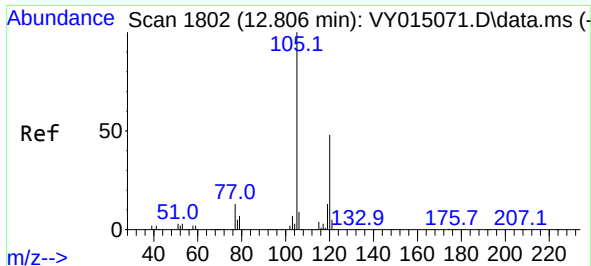
Tgt Ion:105 Resp: 2144
Ion Ratio Lower Upper
105 100
120 26.3 13.3 39.9



#78
n-propylbenzene
Concen: 14.003 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

Tgt Ion: 91 Resp: 9539
Ion Ratio Lower Upper
91 100
120 22.5 11.5 34.4

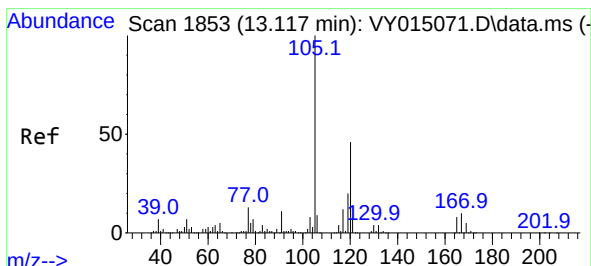
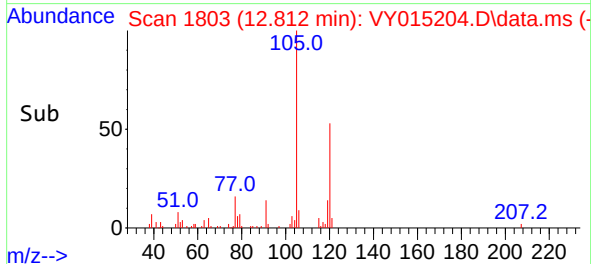
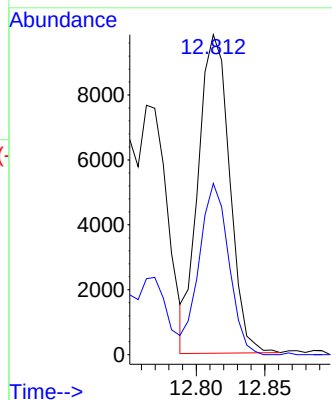
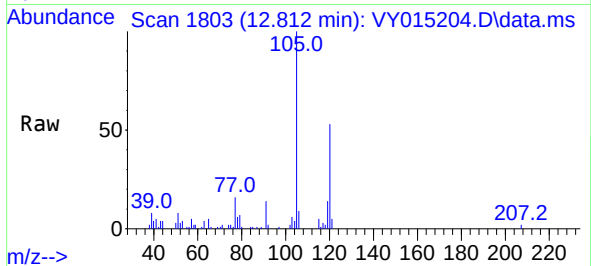




#80
1,3,5-Trimethylbenzene
Concen: 32.551 ug/l
RT: 12.812 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

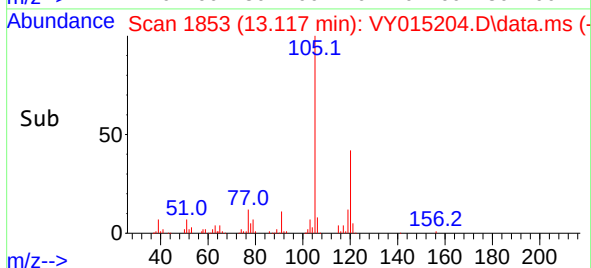
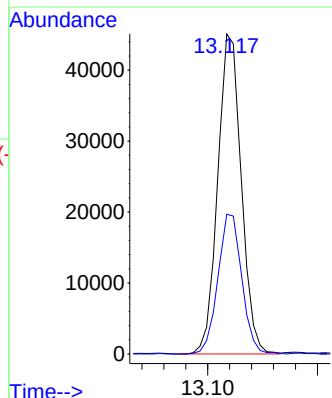
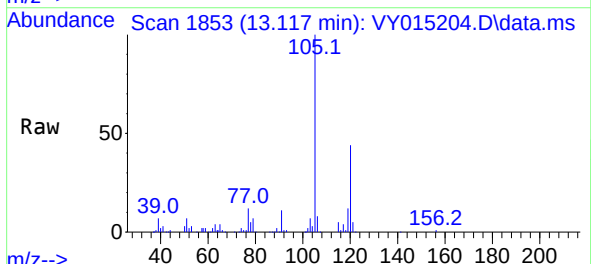
Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

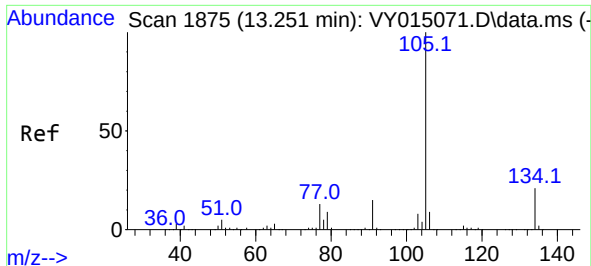
Tgt Ion:105 Resp: 15565
Ion Ratio Lower Upper
105 100
120 50.7 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 140.887 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015204.D
Acq: 18 Aug 2023 18:34

Tgt Ion:105 Resp: 67319
Ion Ratio Lower Upper
105 100
120 44.3 22.2 66.6

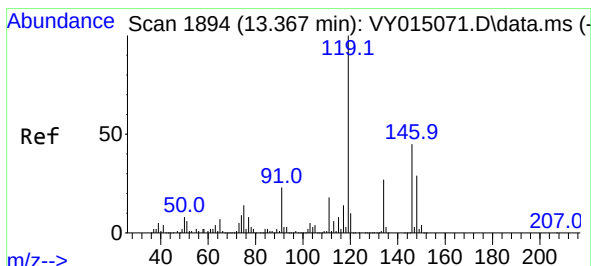
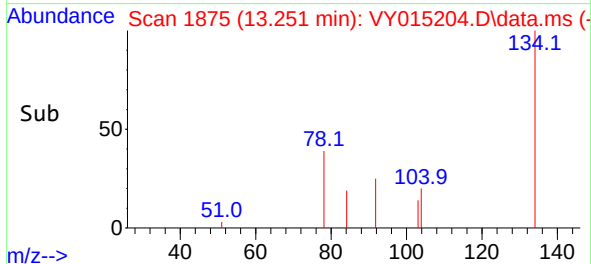
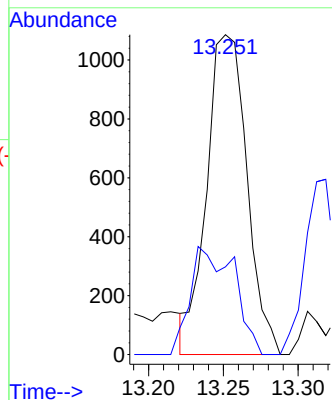
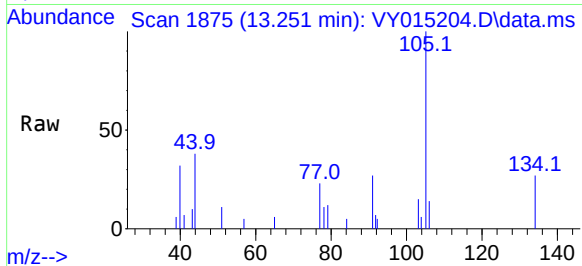




#85
 sec-Butylbenzene
 Concen: 3.172 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY015204.D
 Acq: 18 Aug 2023 18:34

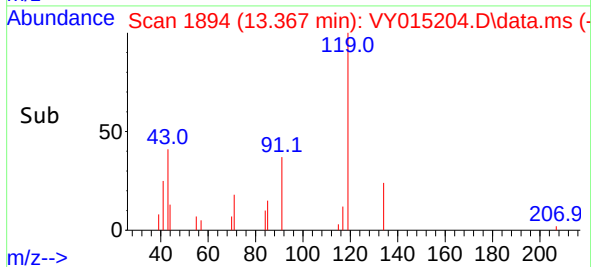
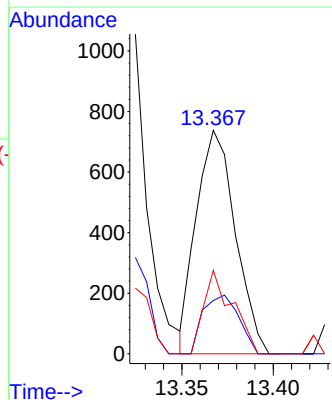
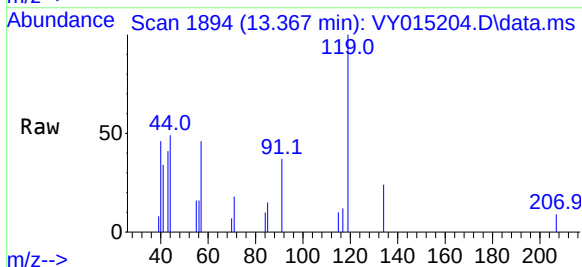
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP18B

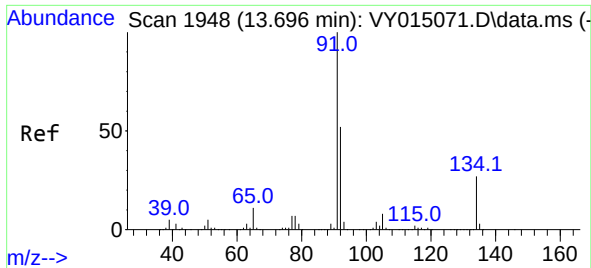
Tgt Ion:105 Resp: 2033
 Ion Ratio Lower Upper
 105 100
 134 36.9 10.2 30.6#



#86
 p-Isopropyltoluene
 Concen: 2.067 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY015204.D
 Acq: 18 Aug 2023 18:34

Tgt Ion:119 Resp: 1098
 Ion Ratio Lower Upper
 119 100
 134 24.2 13.3 39.8
 91 27.7 12.4 37.4





#89
 n-Butylbenzene
 Concen: 7.170 ug/l
 RT: 13.696 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VY015204.D
 Acq: 18 Aug 2023 18:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP18B

Tgt Ion:	91	Resp:	3592
Ion	Ratio	Lower	Upper
91	100		
92	60.2	25.4	76.0
134	0.0	12.6	37.6#

