

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110923\
 Data File : VY016289.D
 Acq On : 09 Nov 2023 18:08
 Operator : SY/MD
 Sample : 05312-01
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P-4(170FT)(5-10)

Quant Time: Nov 09 23:02:18 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)

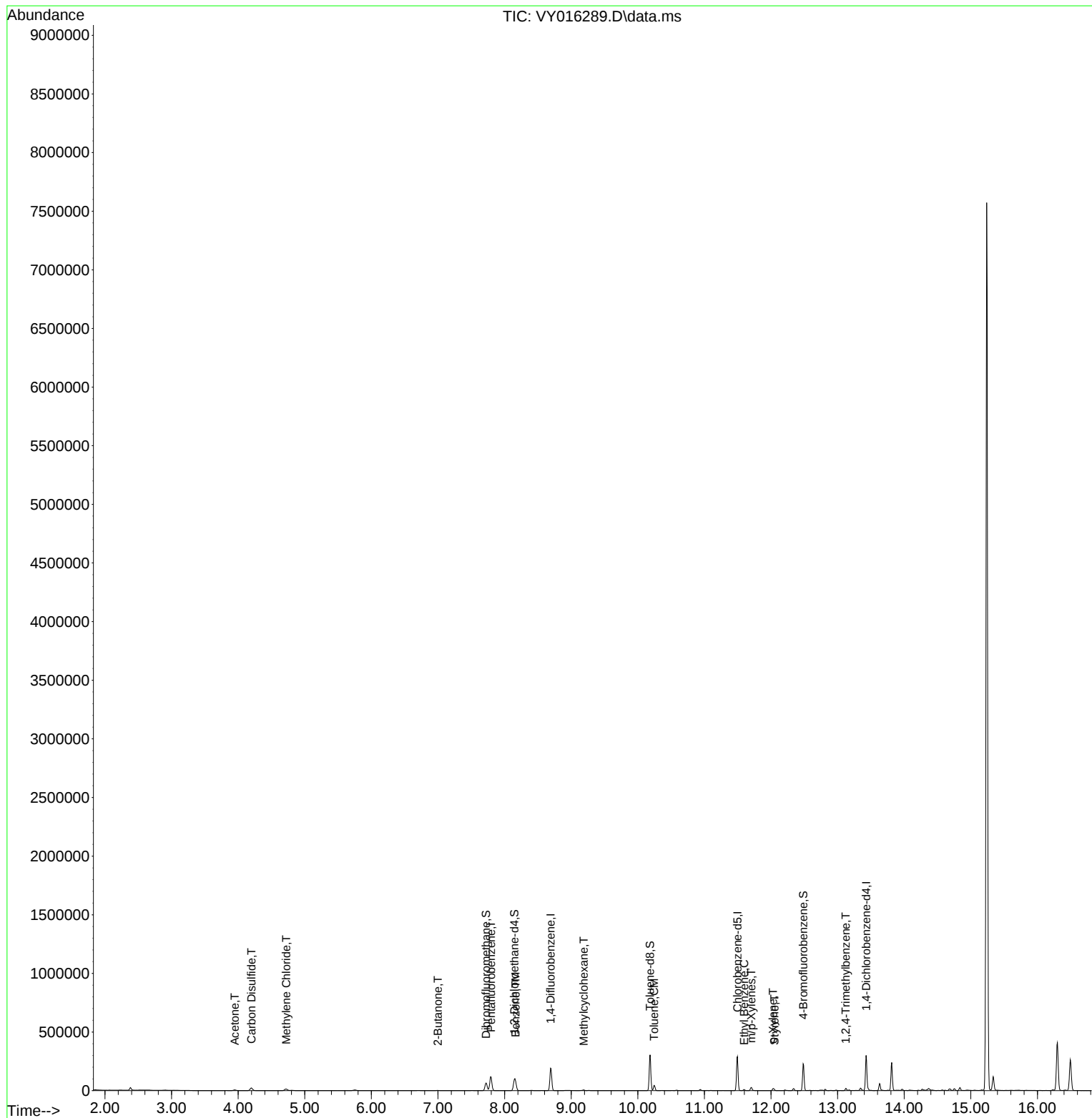
Internal Standards						
1) Pentafluorobenzene	7.795	168	93818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	168362	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	161135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	57086	66.576	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.160%	
35) Dibromofluoromethane	7.722	113	47064	49.209	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.420%	
50) Toluene-d8	10.185	98	199537	51.448	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.900%	
62) 4-Bromofluorobenzene	12.483	95	70157	55.696	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.400%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	11555	81.468	ug/l #	88
17) Carbon Disulfide	4.198	76	47446	16.586	ug/l	98
20) Methylene Chloride	4.722	84	10575	7.603	ug/l	91
25) 2-Butanone	6.996	43	2985	12.015	ug/l #	89
39) Methylcyclohexane	9.191	83	2540	1.227	ug/l #	82
40) Benzene	8.167	78	54709	11.725	ug/l	96
52) Toluene	10.246	92	18726	6.349	ug/l	96
67) Ethyl Benzene	11.599	91	6561	1.060	ug/l	92
68) m/p-Xylenes	11.703	106	8551	3.644	ug/l	93
69) o-Xylene	12.032	106	4542	2.085	ug/l	98
70) Styrene	12.050	104	3540	1.135	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	10712	2.191	ug/l	98

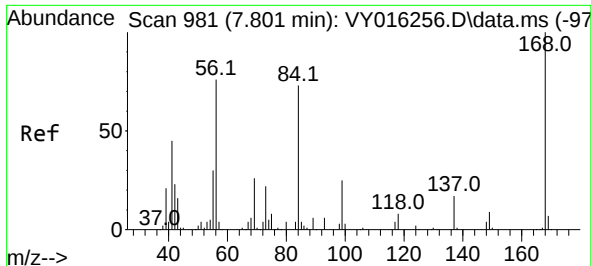
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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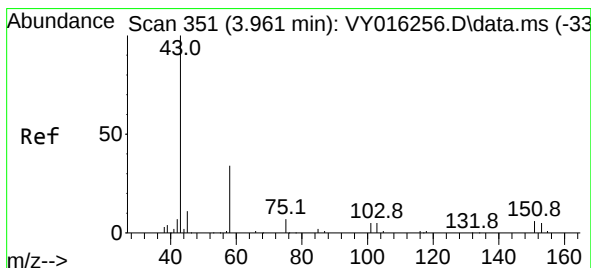
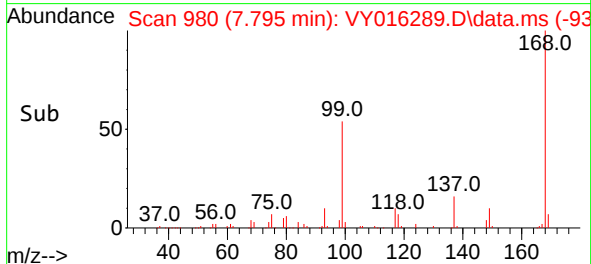
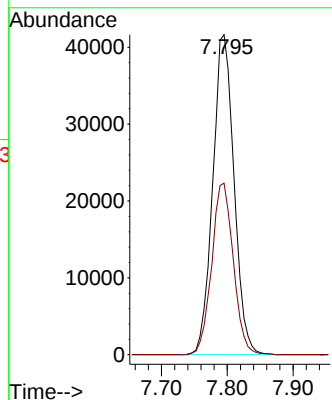
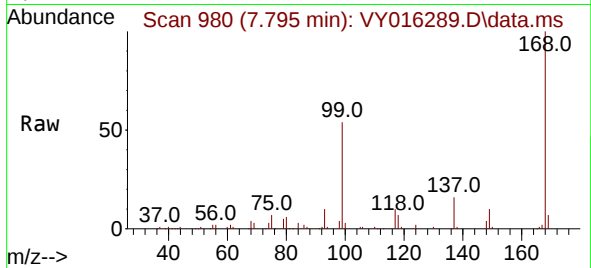




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

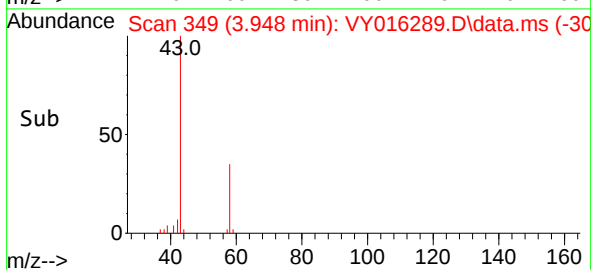
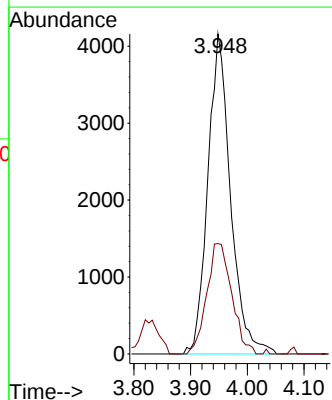
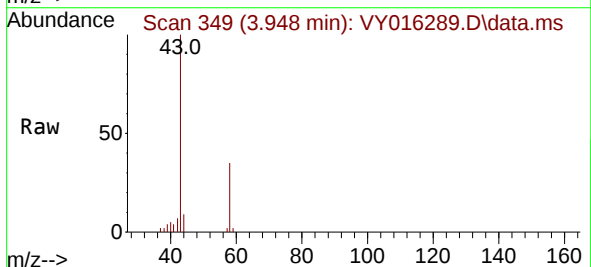
Instrument :
MSVOA_Y
ClientSampleId :
P-4(170FT)(5-10)

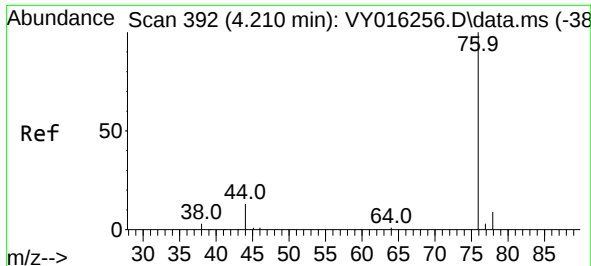
Tgt Ion:168 Resp: 93818
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#16
Acetone
Concen: 81.468 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion: 43 Resp: 11555
Ion Ratio Lower Upper
43 100
58 34.5 22.7 34.1#





#17

Carbon Disulfide

Concen: 16.586 ug/l

RT: 4.198 min Scan# 392

Delta R.T. -0.012 min

Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

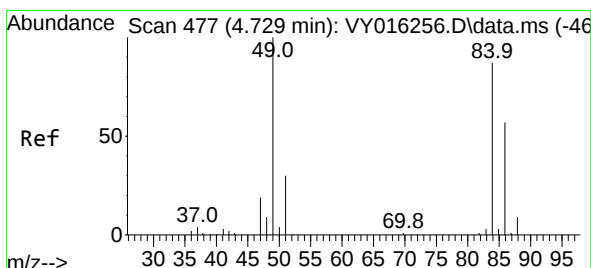
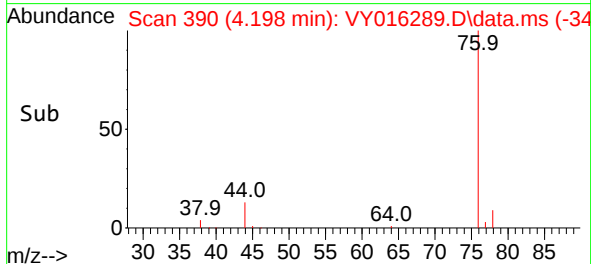
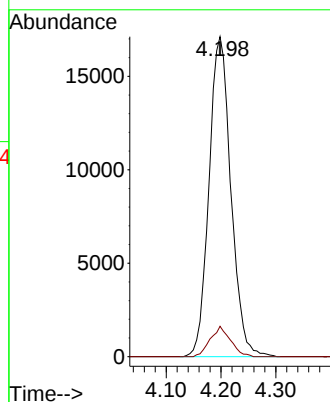
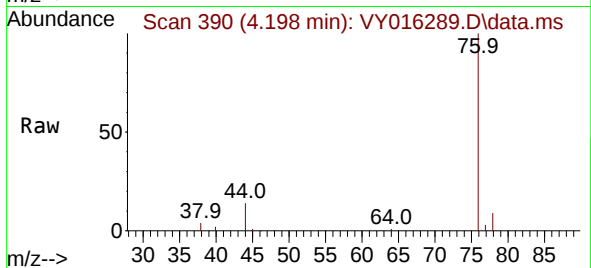
P-4(170FT)(5-10)

Tgt Ion: 76 Resp: 47446

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4



#20

Methylene Chloride

Concen: 7.603 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

Tgt Ion: 84 Resp: 10575

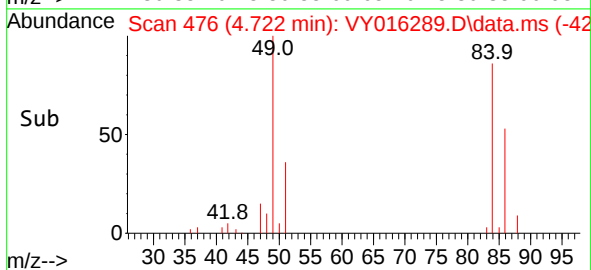
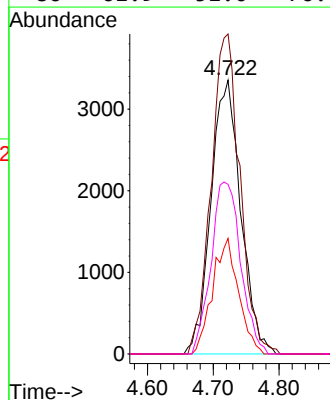
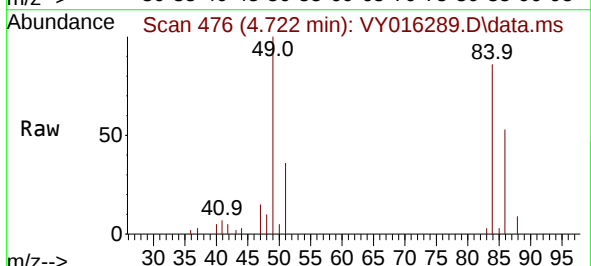
Ion Ratio Lower Upper

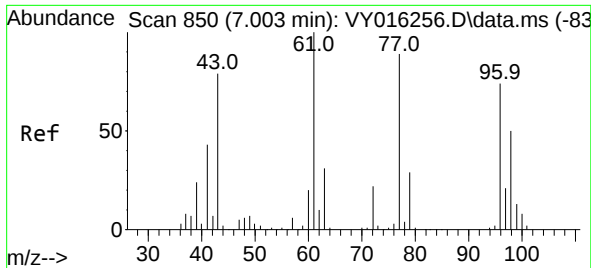
84 100

49 116.9 106.9 160.3

51 42.2 33.2 49.8

86 61.9 51.0 76.6

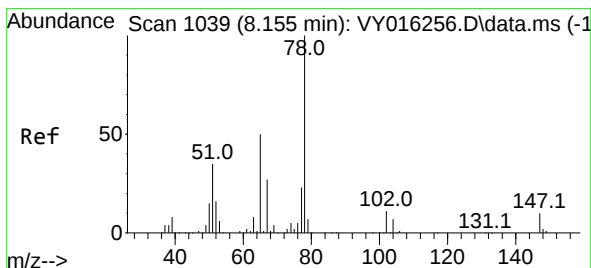
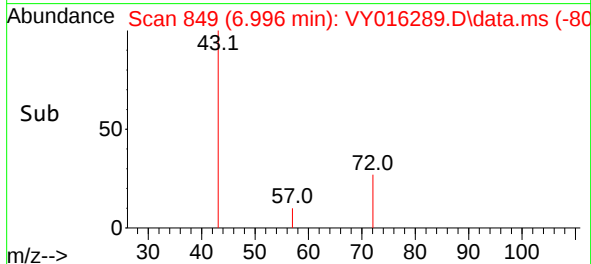
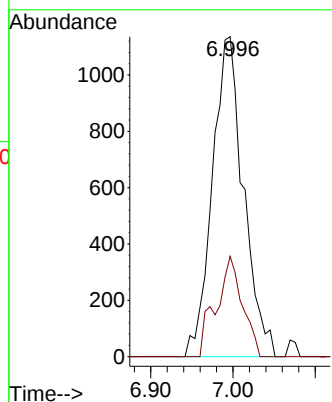
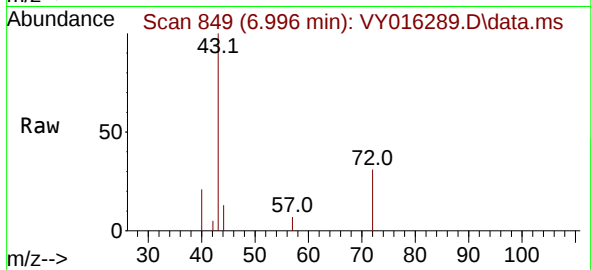




#25
2-Butanone
Concen: 12.015 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

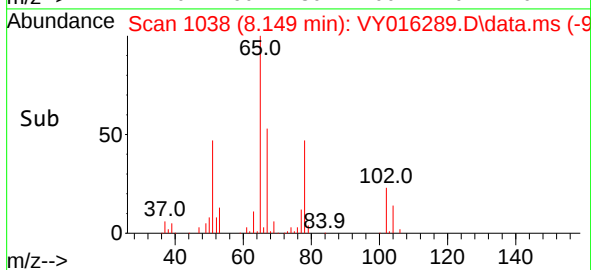
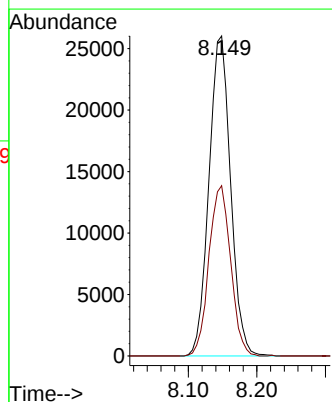
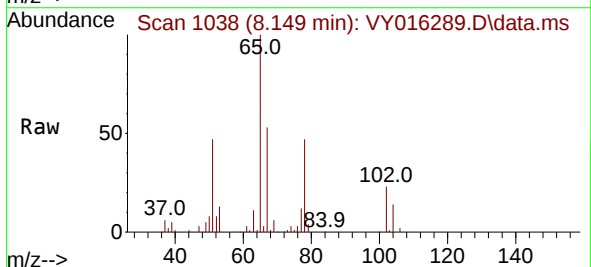
Instrument :
MSVOA_Y
ClientSampleId :
P-4(170FT)(5-10)

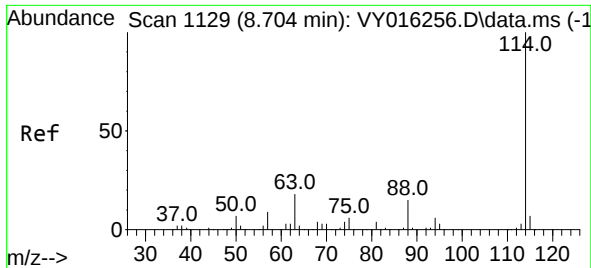
Tgt Ion: 43 Resp: 2985
Ion Ratio Lower Upper
43 100
72 31.3 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 66.576 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion: 65 Resp: 57086
Ion Ratio Lower Upper
65 100
67 53.4 0.0 101.8

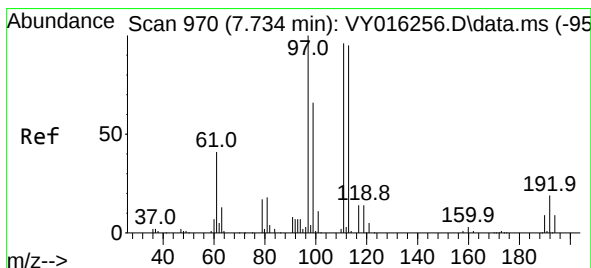
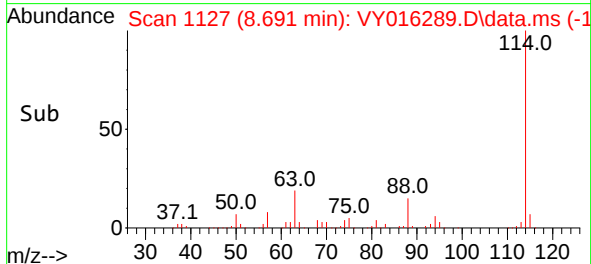
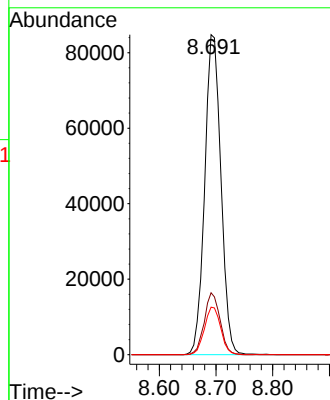
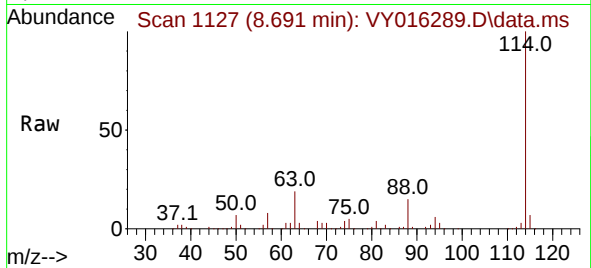




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.012 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

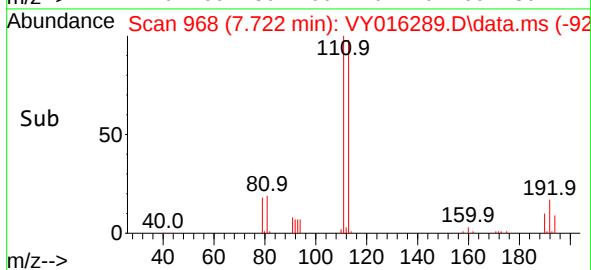
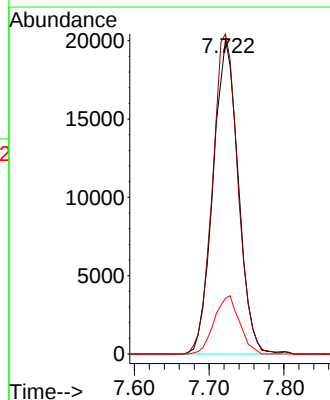
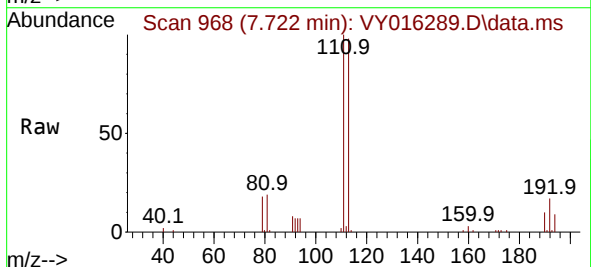
Instrument :
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ClientSampleId :
P-4(170FT)(5-10)

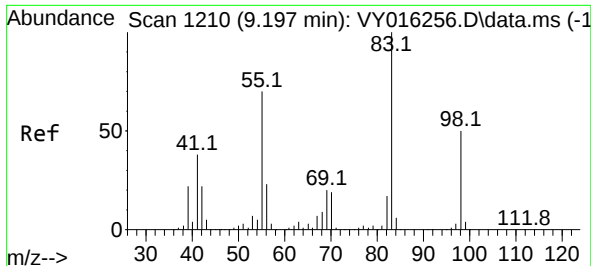
Tgt Ion:114 Resp: 168362
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.209 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.012 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion:113 Resp: 47064
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 18.5 16.9 25.3





#39

Methylcyclohexane

Concen: 1.227 ug/l

RT: 9.191 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

P-4(170FT)(5-10)

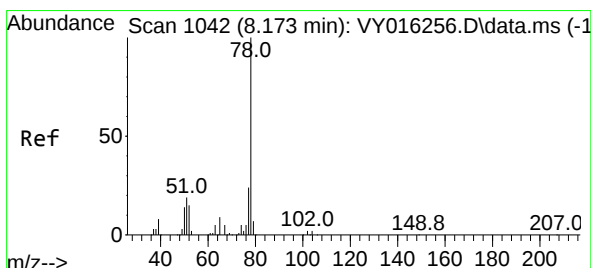
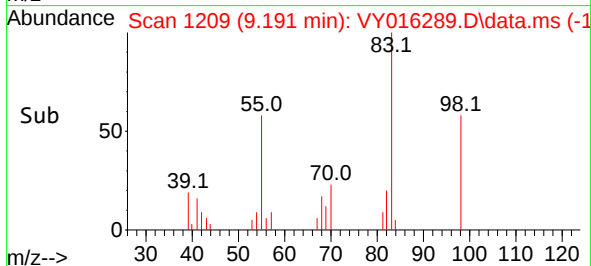
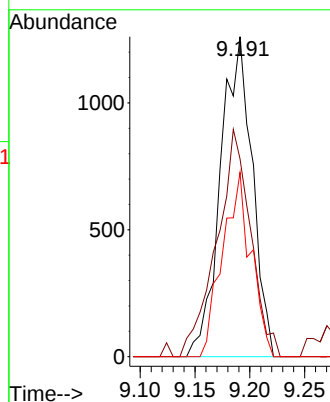
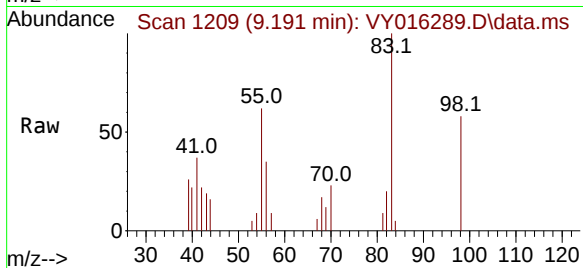
Tgt Ion: 83 Resp: 2540

Ion Ratio Lower Upper

83 100

55 61.8 63.0 94.4#

98 57.6 37.4 56.2#



#40

Benzene

Concen: 11.725 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. -0.006 min

Lab File: VY016289.D

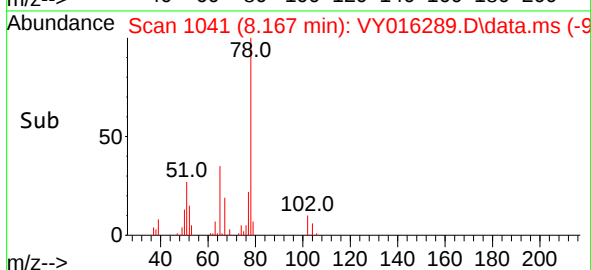
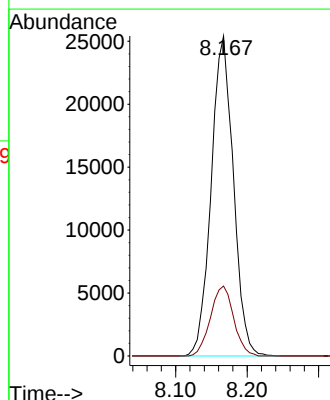
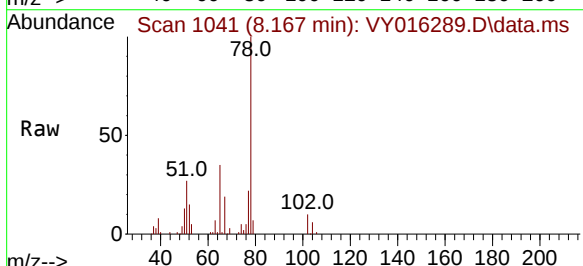
Acq: 09 Nov 2023 18:08

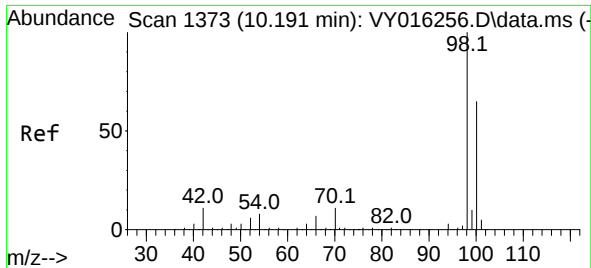
Tgt Ion: 78 Resp: 54709

Ion Ratio Lower Upper

78 100

77 21.8 19.0 28.6

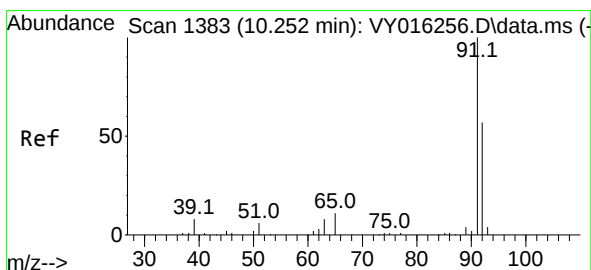
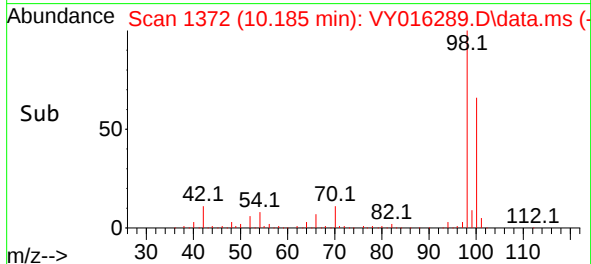
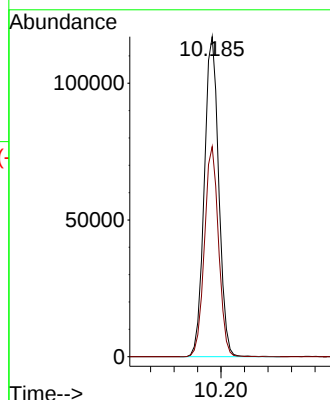
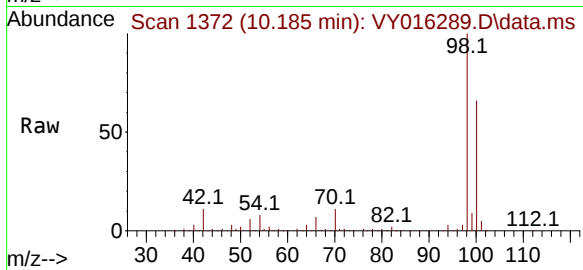




#50
Toluene-d8
Concen: 51.448 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

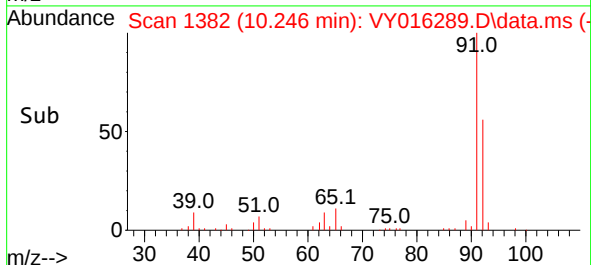
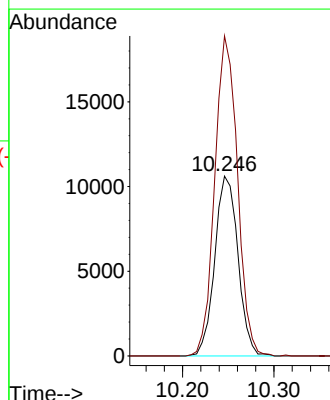
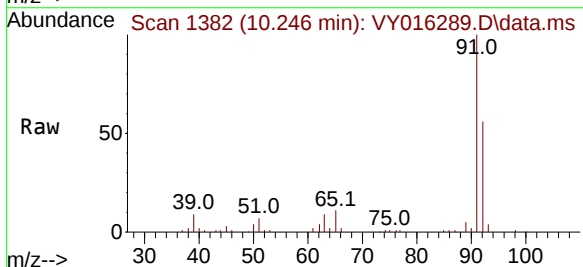
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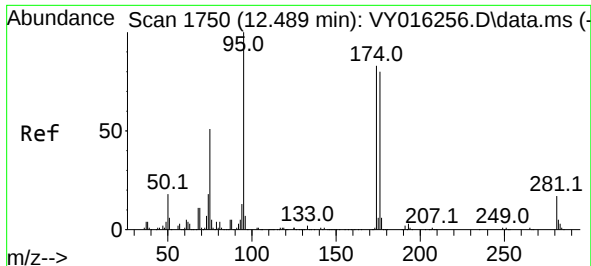
Tgt Ion: 98 Resp: 199537
Ion Ratio Lower Upper
98 100
100 64.2 50.1 75.1



#52
Toluene
Concen: 6.349 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion: 92 Resp: 18726
Ion Ratio Lower Upper
92 100
91 174.2 143.8 215.6

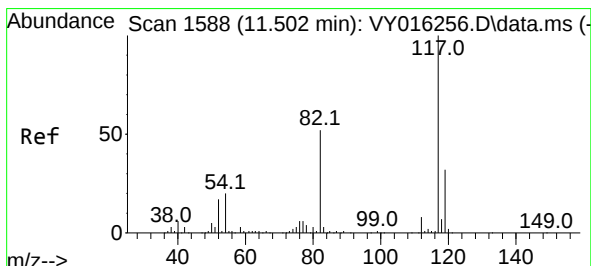
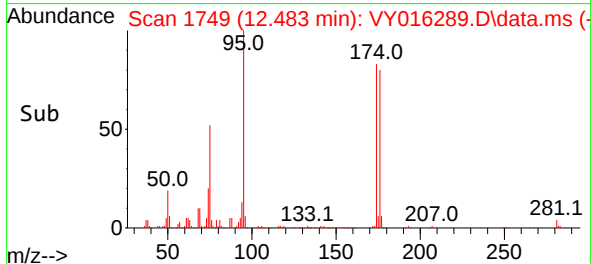
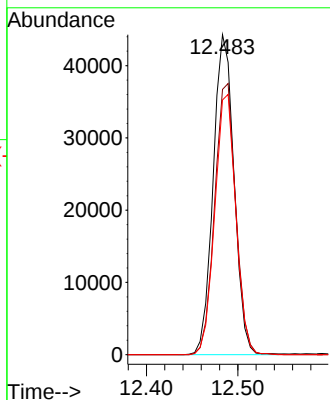
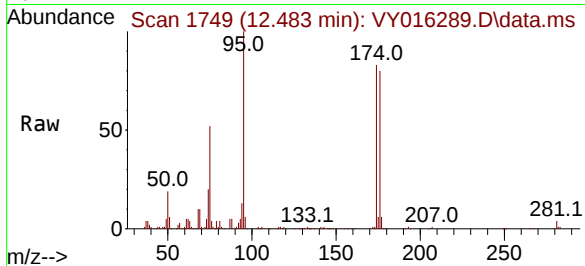




#62
4-Bromofluorobenzene
Concen: 55.696 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

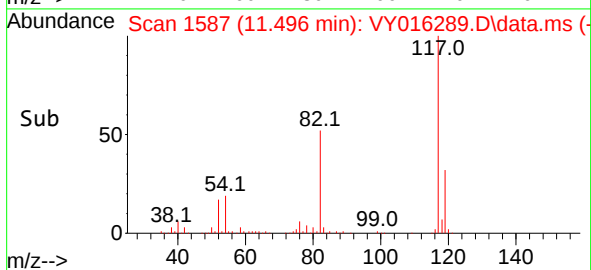
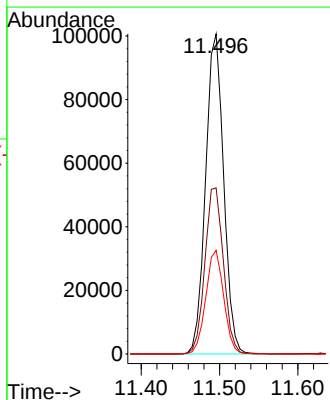
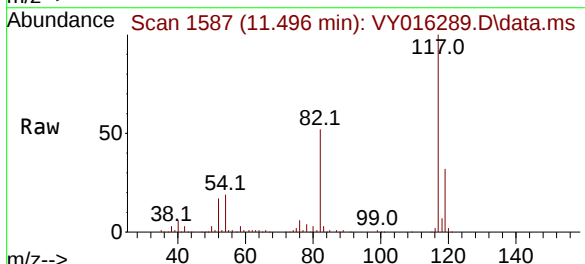
Instrument :
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P-4(170FT)(5-10)

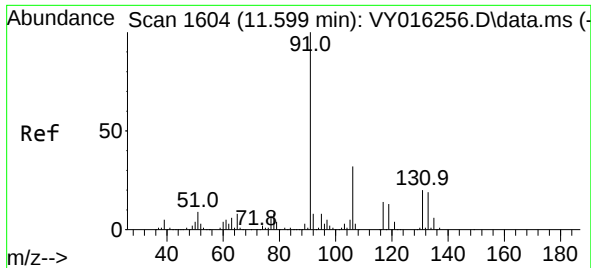
Tgt Ion: 95 Resp: 70157
Ion Ratio Lower Upper
95 100
174 86.0 0.0 178.2
176 82.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion: 117 Resp: 161135
Ion Ratio Lower Upper
117 100
82 51.9 43.4 65.0
119 32.4 26.3 39.5

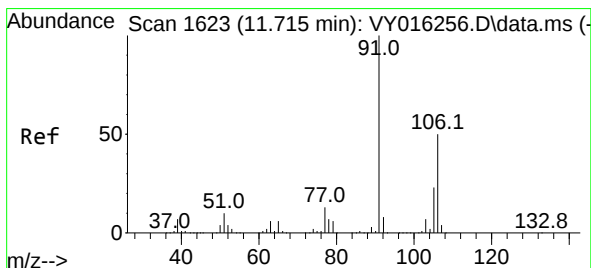
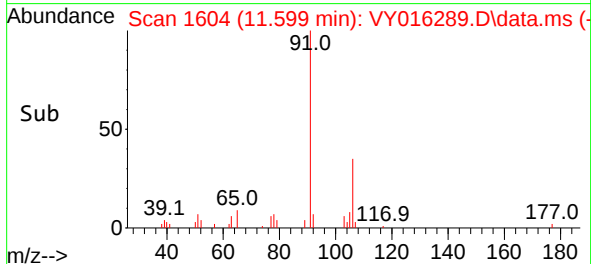
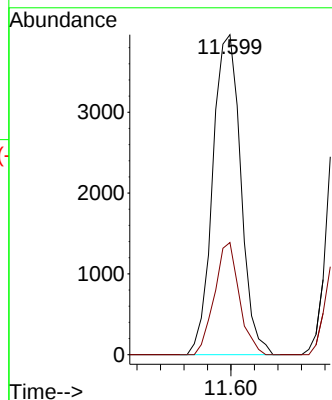
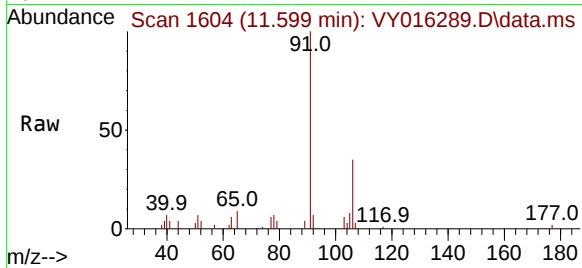




#67
Ethyl Benzene
Concen: 1.060 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.000 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

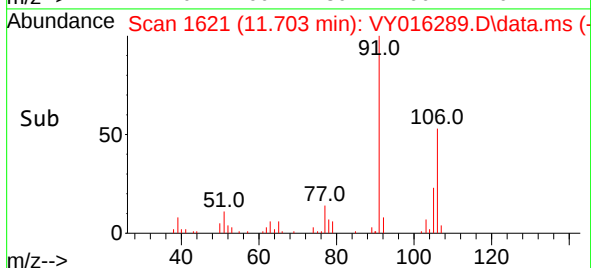
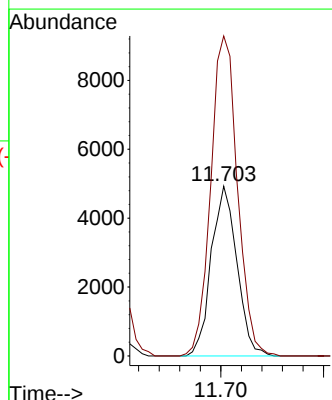
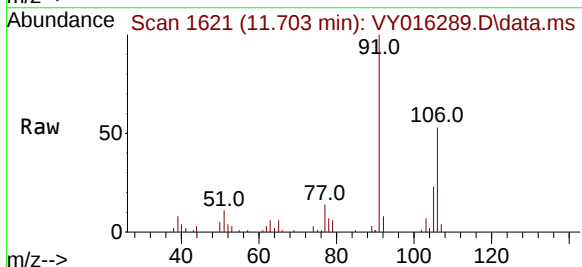
Instrument :
MSVOA_Y
ClientSampleId :
P-4(170FT)(5-10)

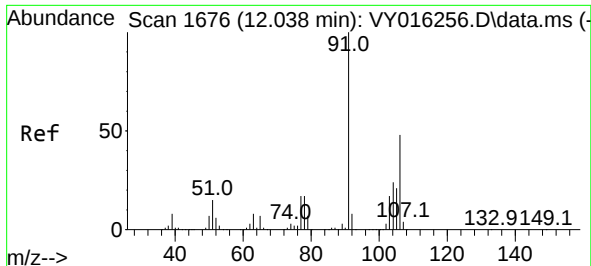
Tgt Ion: 91 Resp: 6561
Ion Ratio Lower Upper
91 100
106 35.0 24.6 36.8



#68
m/p-Xylenes
Concen: 3.644 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.012 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion: 106 Resp: 8551
Ion Ratio Lower Upper
106 100
91 196.2 166.1 249.1

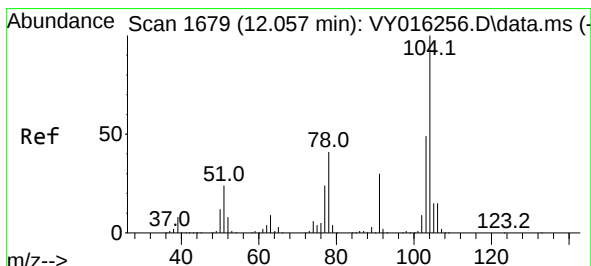
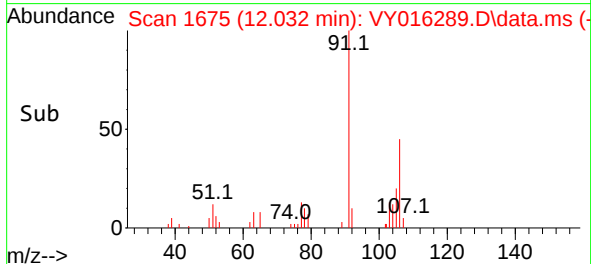
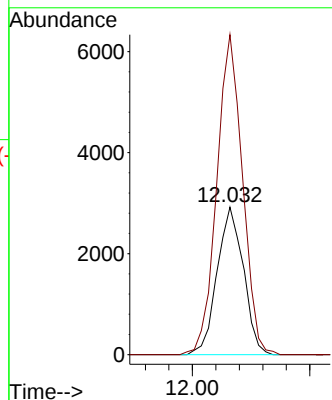
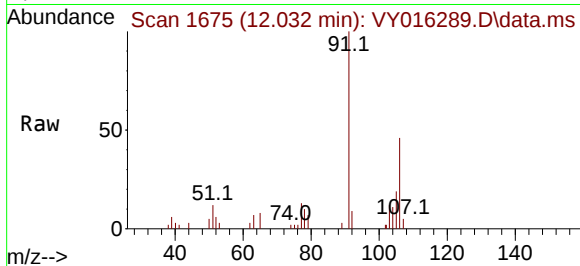




#69
o-Xylene
Concen: 2.085 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

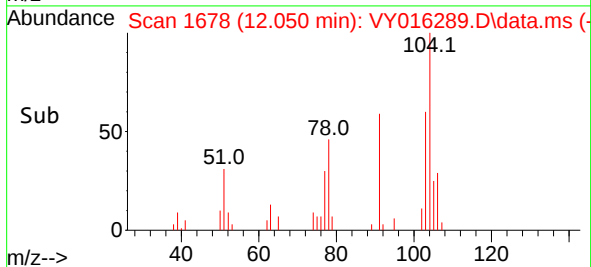
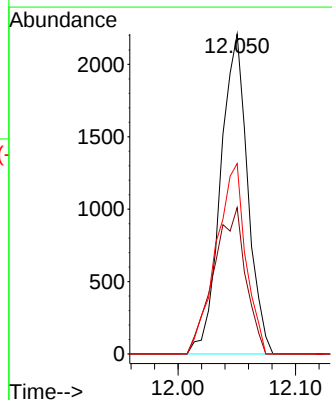
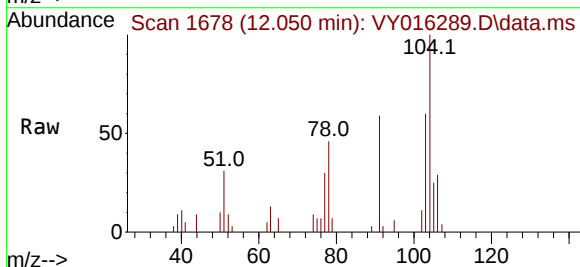
Instrument :
MSVOA_Y
ClientSampleId :
P-4(170FT)(5-10)

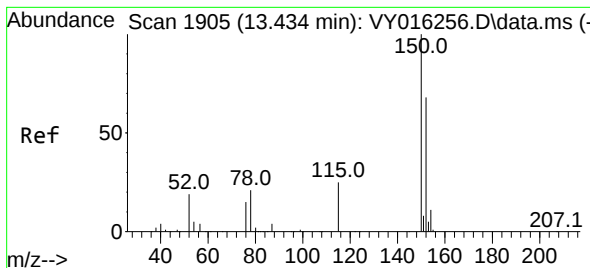
Tgt Ion:106 Resp: 4542
Ion Ratio Lower Upper
106 100
91 212.3 108.1 324.3



#70
Styrene
Concen: 1.135 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY016289.D
Acq: 09 Nov 2023 18:08

Tgt Ion:104 Resp: 3540
Ion Ratio Lower Upper
104 100
78 54.0 41.5 62.3
103 65.3 44.6 67.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

P-4(170FT)(5-10)

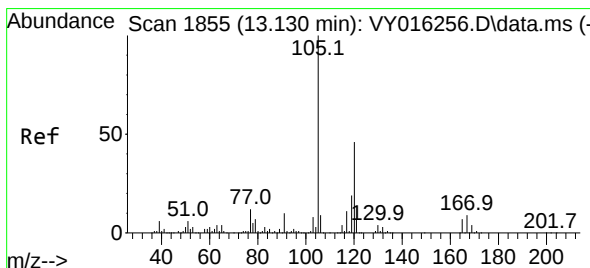
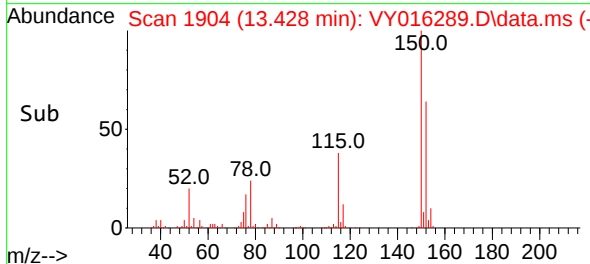
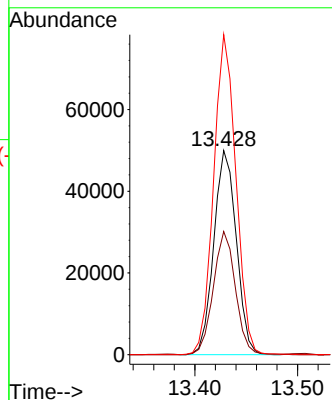
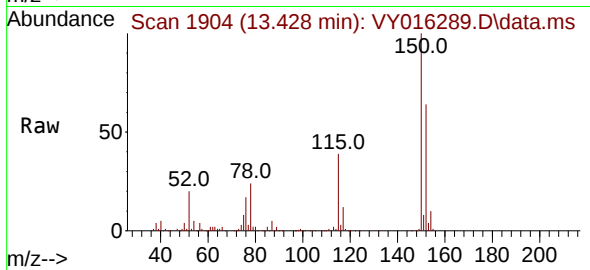
Tgt Ion:152 Resp: 76048

Ion Ratio Lower Upper

152 100

115 59.3 28.8 86.5

150 155.4 0.0 348.8



#84

1,2,4-Trimethylbenzene

Concen: 2.191 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY016289.D

Acq: 09 Nov 2023 18:08

Tgt Ion:105 Resp: 10712

Ion Ratio Lower Upper

105 100

120 43.3 22.2 66.6

