

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
 Data File : VY019993.D
 Acq On : 23 Oct 2024 14:45
 Operator : SY/MD
 Sample : P4471-02
 Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-180-SB02

Quant Time: Oct 23 23:08:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	211103	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	422929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	336247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	95105	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137413	52.865	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.740%
35) Dibromofluoromethane	7.634	113	136178	48.794	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.580%
50) Toluene-d8	10.103	98	510827	49.565	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.120%
62) 4-Bromofluorobenzene	12.401	95	129366	34.739	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	69.480%

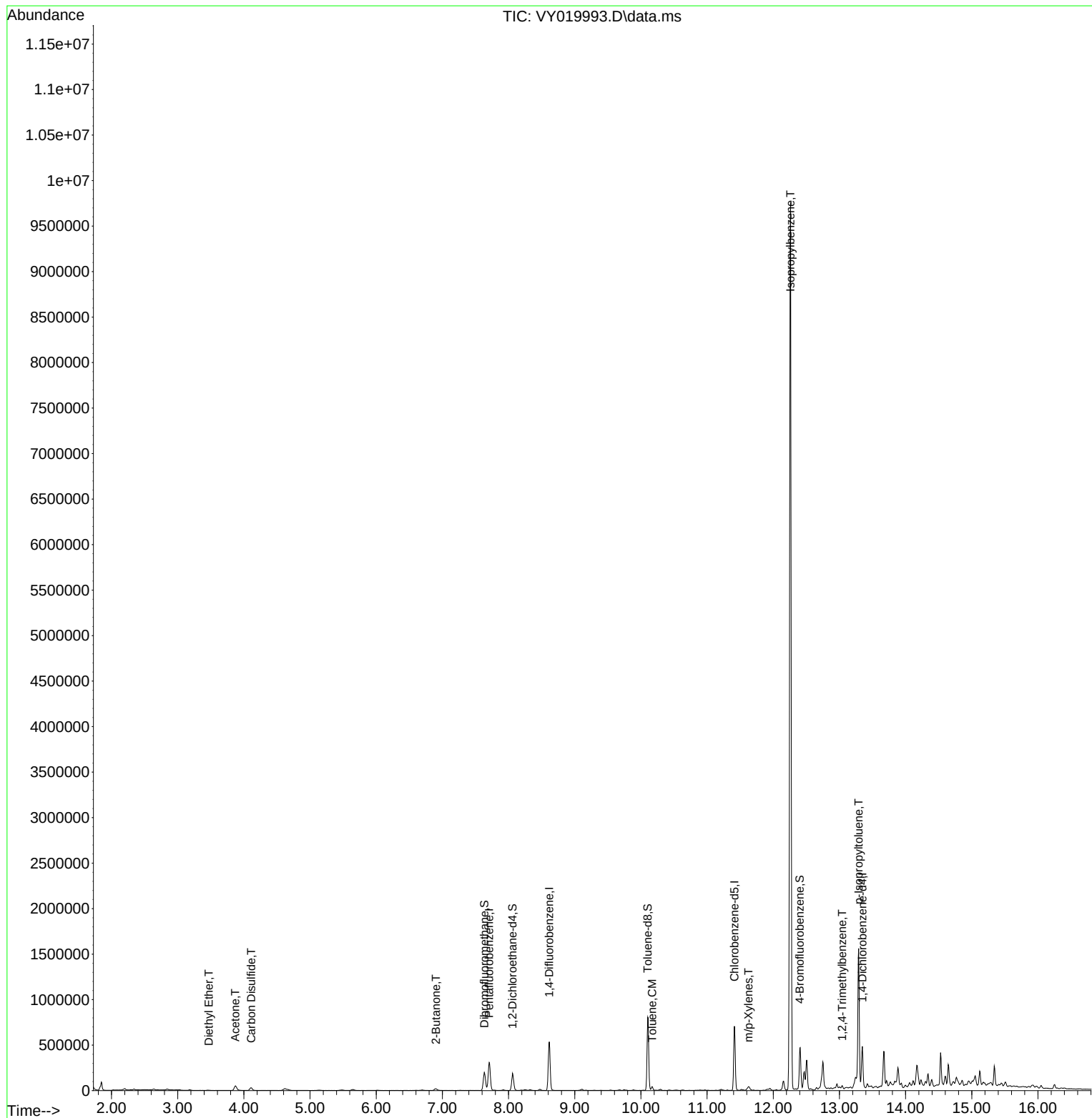
Target Compounds						Qvalue
8) Diethyl Ether	3.470	74	1436	1.128	ug/l	61
16) Acetone	3.872	43	91027	134.528	ug/l	# 86
17) Carbon Disulfide	4.110	76	58543	9.644	ug/l	98
25) 2-Butanone	6.902	43	34019	37.561	ug/l	# 83
52) Toluene	10.170	92	16003	2.107	ug/l	94
68) m/p-Xylenes	11.627	106	8079	1.566	ug/l	79
73) Isopropylbenzene	12.261	105	346599	43.327	ug/l	# 60
84) 1,2,4-Trimethylbenzene	13.041	105	15636	2.441	ug/l	92
86) p-Isopropyltoluene	13.291	119	759982	108.235	ug/l	94

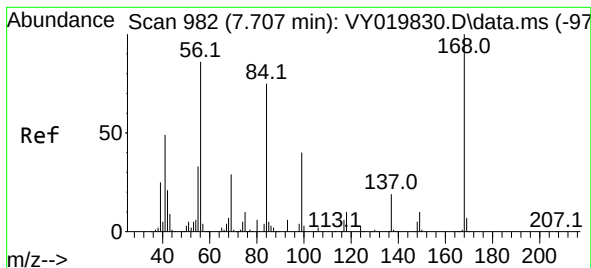
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY019993.D

Acq: 23 Oct 2024 14:45

Instrument :

MSVOA_Y

ClientSampleId :

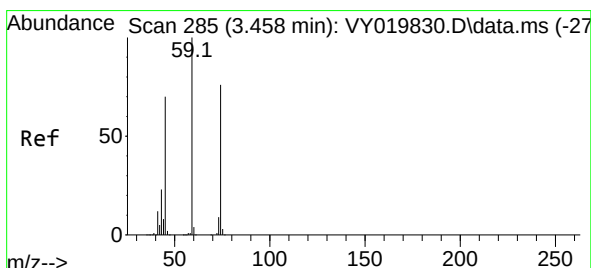
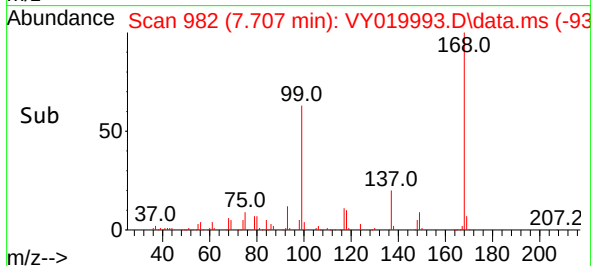
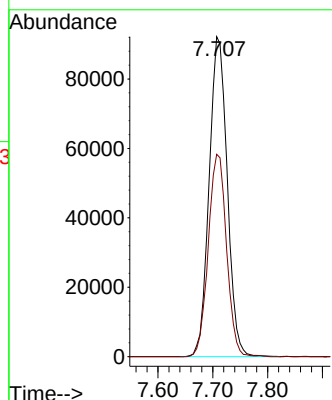
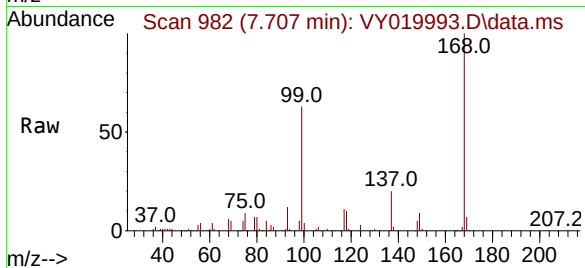
B-180-SB02

Tgt Ion:168 Resp: 211103

Ion Ratio Lower Upper

168 100

99 63.3 39.1 58.7#



#8

Diethyl Ether

Concen: 1.128 ug/l

RT: 3.470 min Scan# 287

Delta R.T. 0.012 min

Lab File: VY019993.D

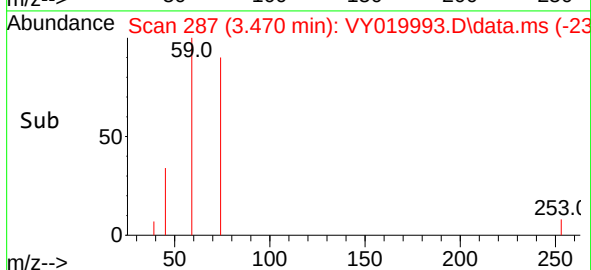
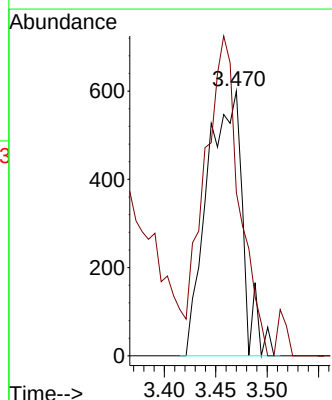
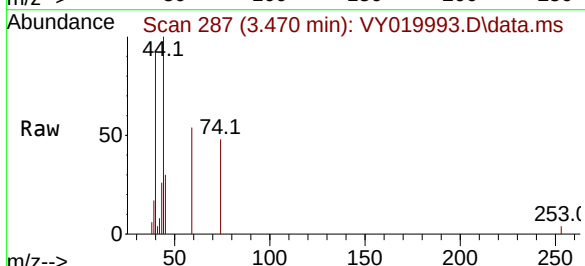
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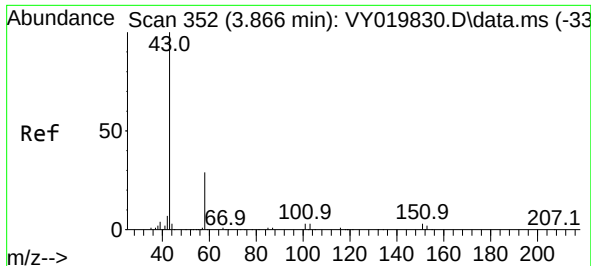
Tgt Ion: 74 Resp: 1436

Ion Ratio Lower Upper

74 100

45 118.1 41.3 124.1

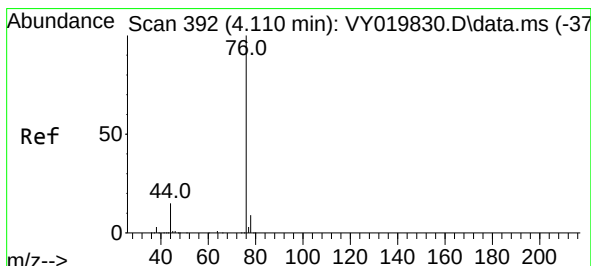
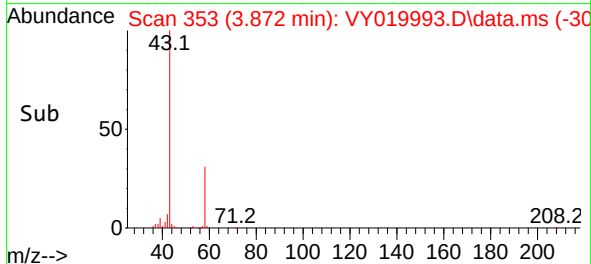
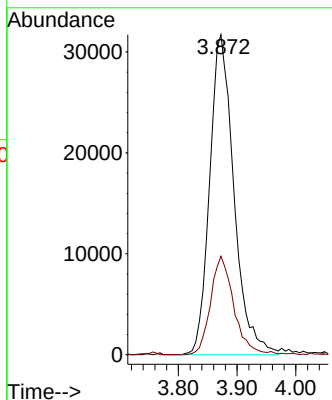
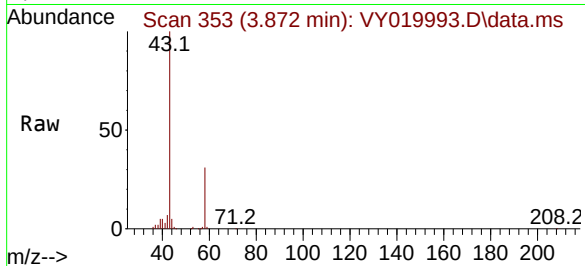




#16
Acetone
Concen: 134.528 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

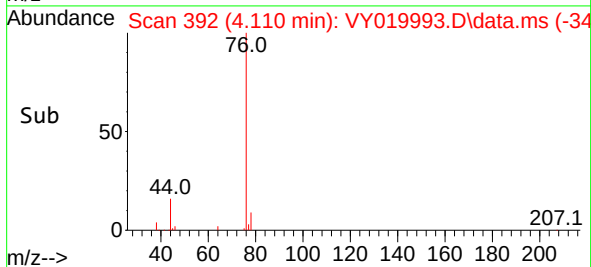
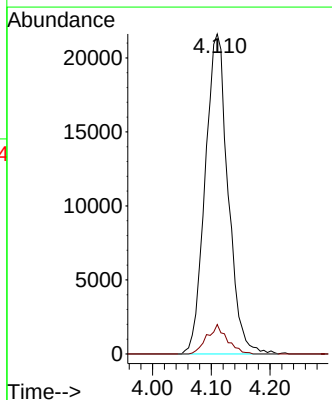
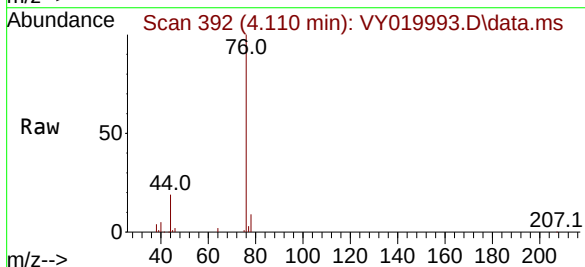
Instrument :
MSVOA_Y
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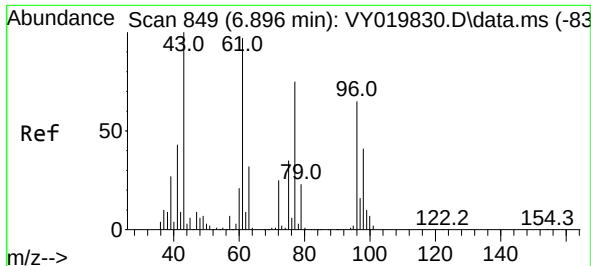
Tgt Ion: 43 Resp: 91027
Ion Ratio Lower Upper
43 100
58 30.8 31.7 47.5#



#17
Carbon Disulfide
Concen: 9.644 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 76 Resp: 58543
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2

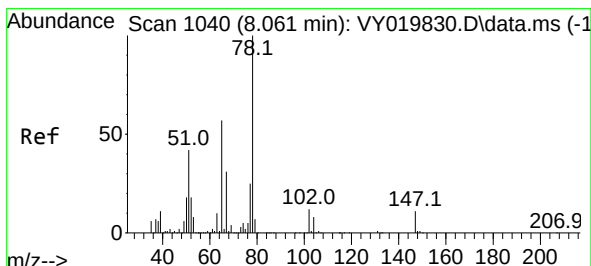
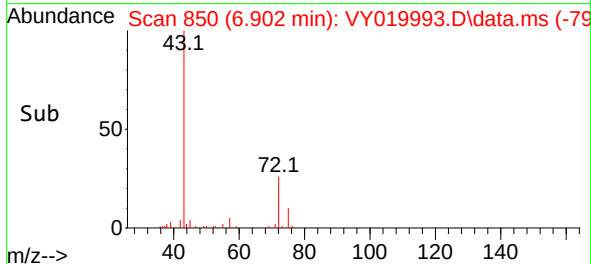
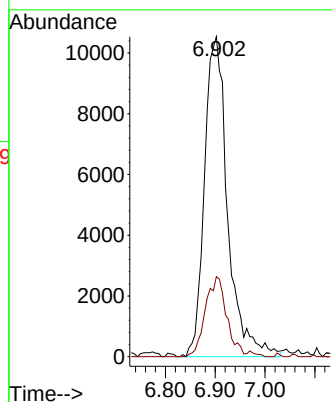
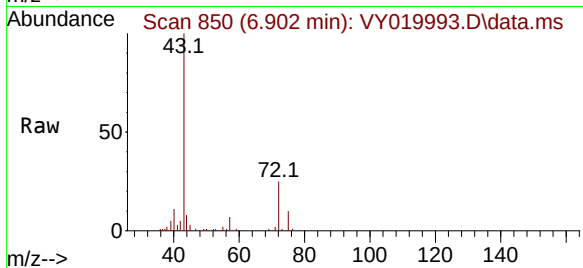




#25
2-Butanone
Concen: 37.561 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

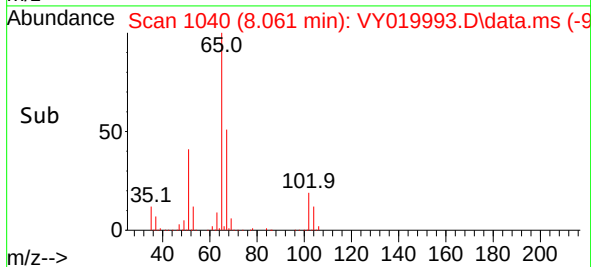
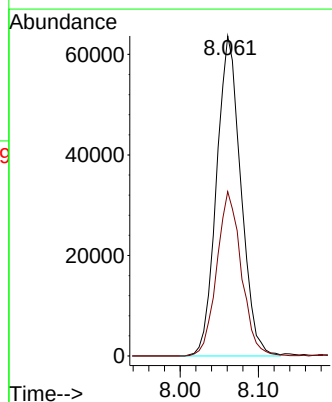
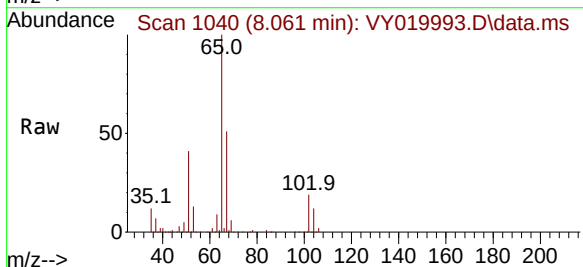
Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

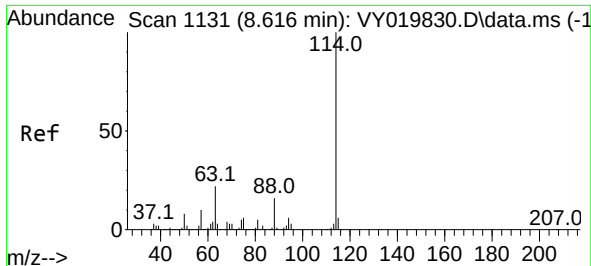
Tgt Ion: 43 Resp: 34019
Ion Ratio Lower Upper
43 100
72 24.5 27.3 40.9#



#33
1,2-Dichloroethane-d4
Concen: 52.865 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 65 Resp: 137413
Ion Ratio Lower Upper
65 100
67 51.9 0.0 109.6

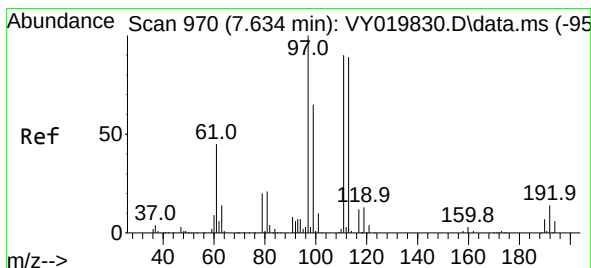
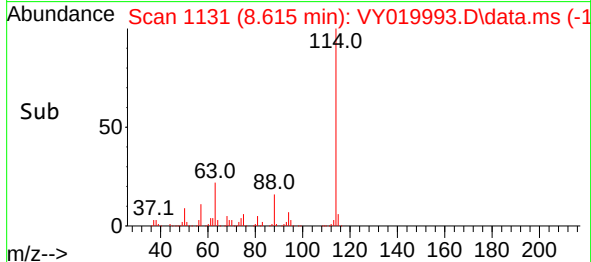
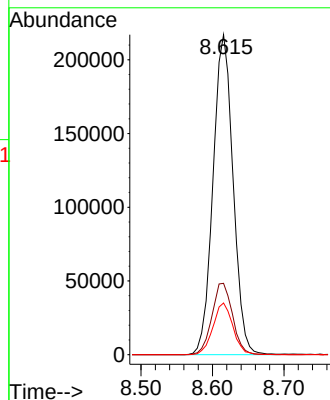
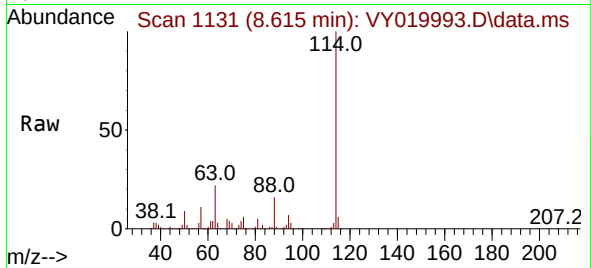




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

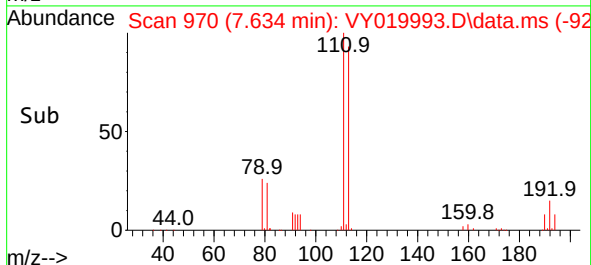
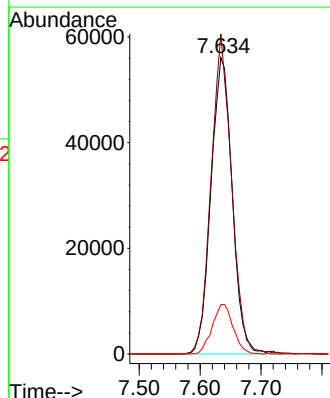
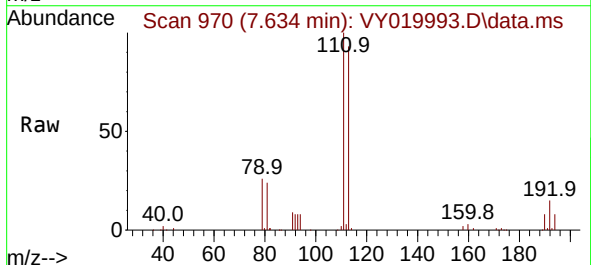
Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

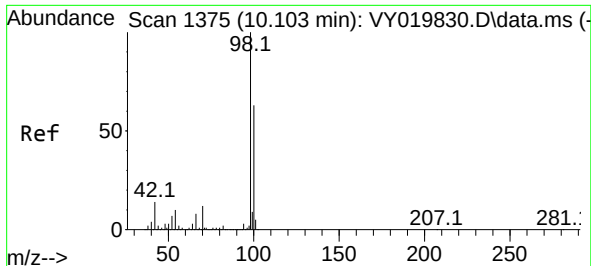
Tgt Ion:114 Resp: 422929
Ion Ratio Lower Upper
114 100
63 22.3 0.0 35.0
88 16.2 0.0 27.2



#35
Dibromofluoromethane
Concen: 48.794 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:113 Resp: 136178
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 16.4 15.9 23.9

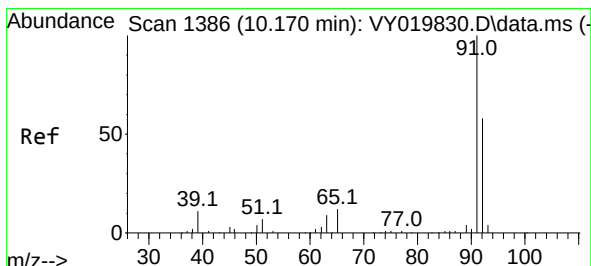
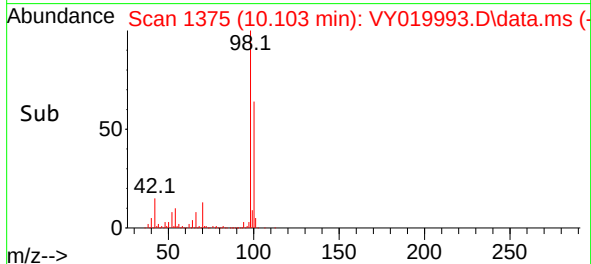
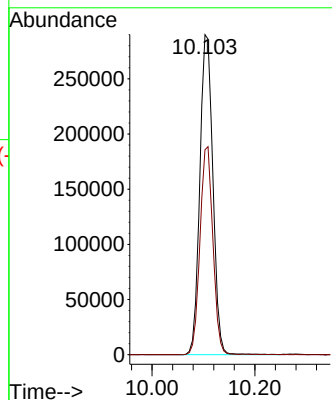
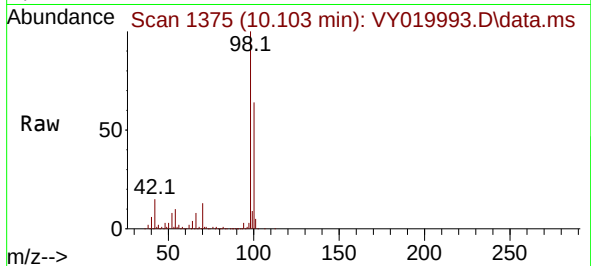




#50
Toluene-d8
Concen: 49.565 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

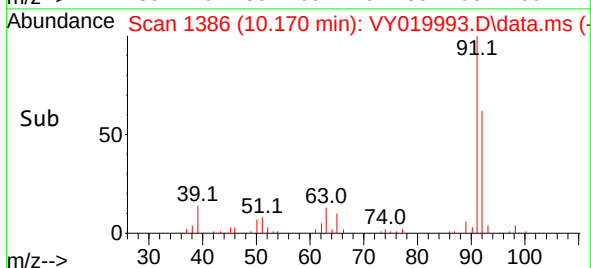
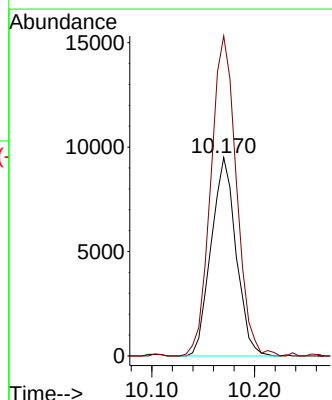
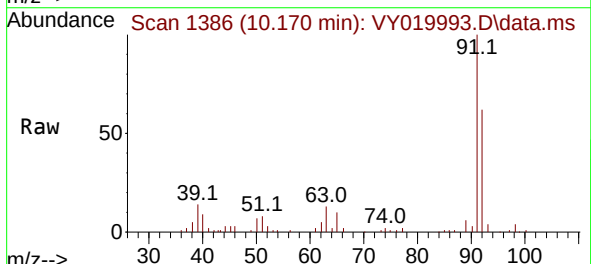
Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

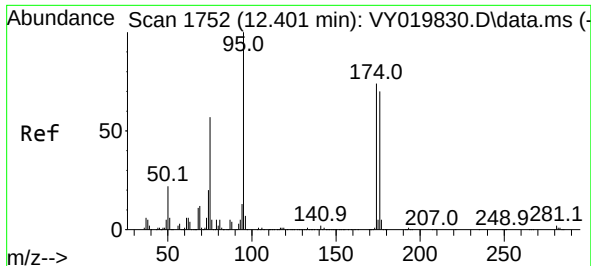
Tgt Ion: 98 Resp: 510827
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#52
Toluene
Concen: 2.107 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 92 Resp: 16003
Ion Ratio Lower Upper
92 100
91 166.0 139.0 208.6

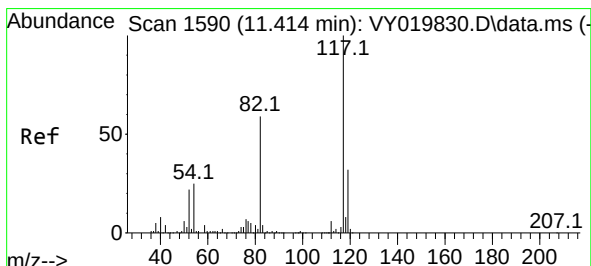
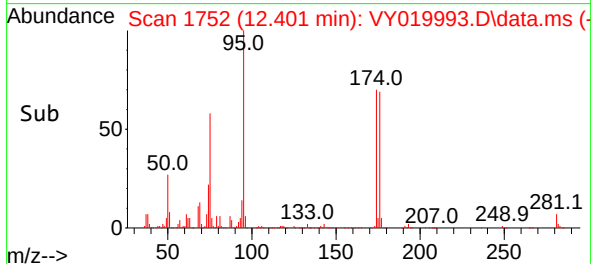
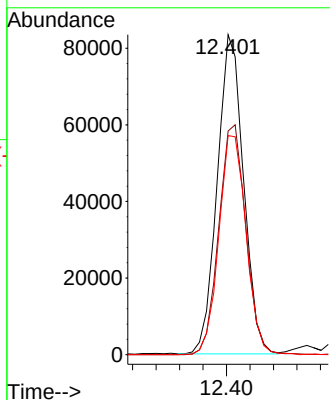
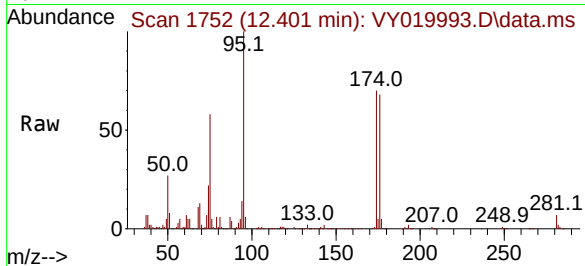




#62
4-Bromofluorobenzene
Concen: 34.739 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

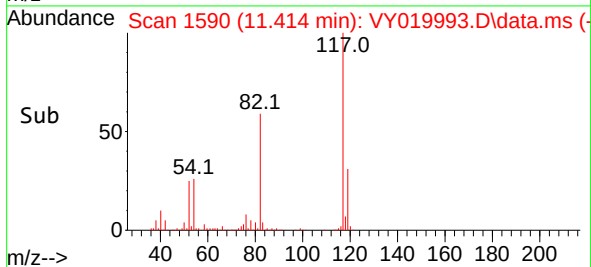
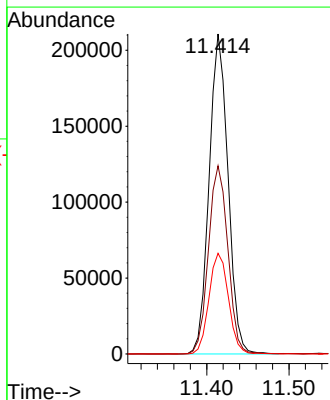
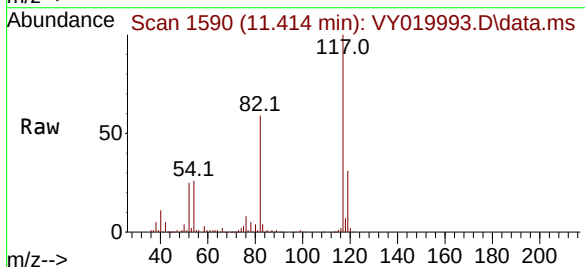
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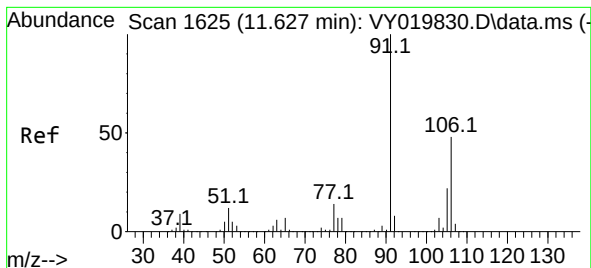
Tgt Ion: 95 Resp: 129366
Ion Ratio Lower Upper
95 100
174 74.4 0.0 175.6
176 71.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 117 Resp: 336247
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 31.5 25.9 38.9

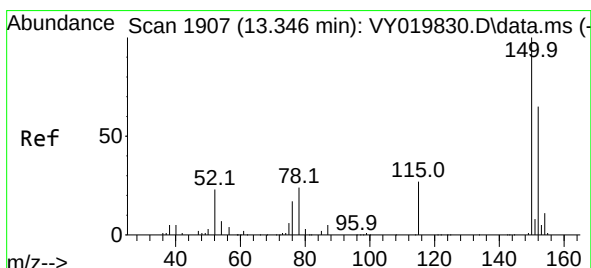
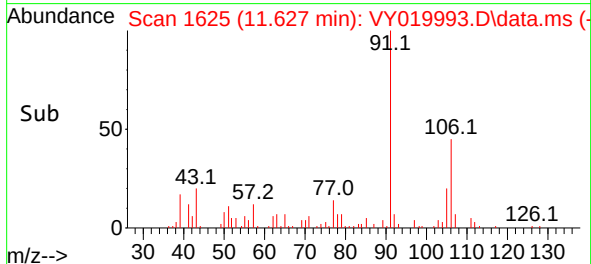
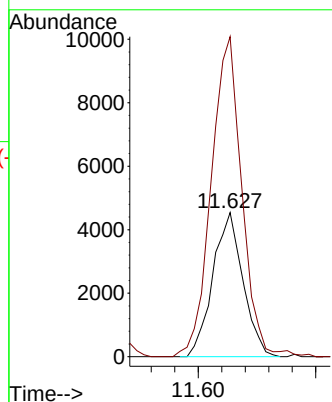
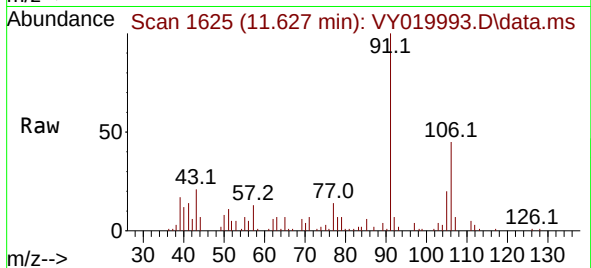




#68
m/p-Xylenes
Concen: 1.566 ug/l
RT: 11.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

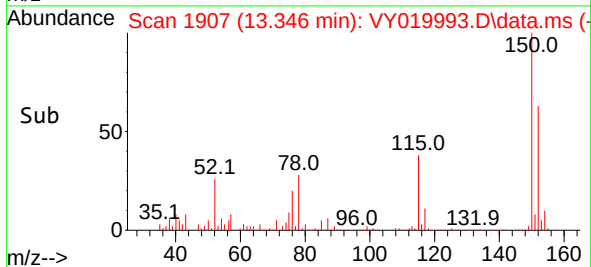
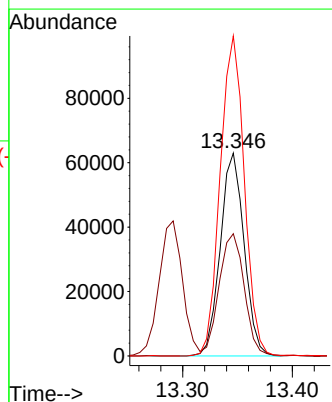
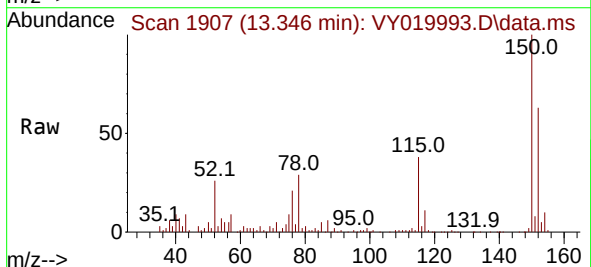
Instrument :
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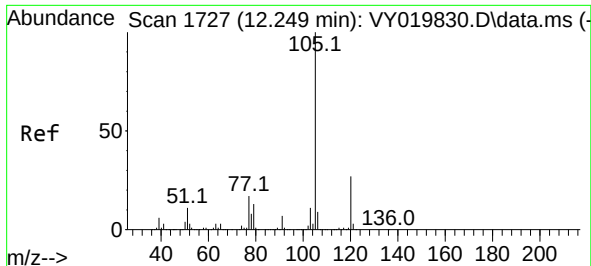
Tgt Ion:106 Resp: 8079
Ion Ratio Lower Upper
106 100
91 225.9 156.0 234.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:152 Resp: 95105
Ion Ratio Lower Upper
152 100
115 63.7 28.2 84.7
150 160.0 0.0 345.6

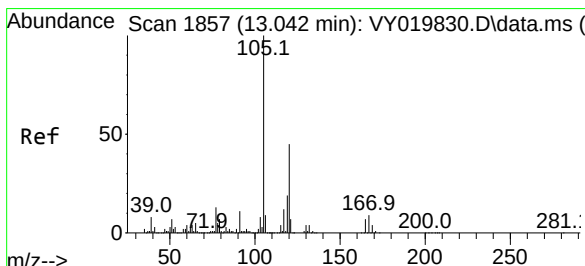
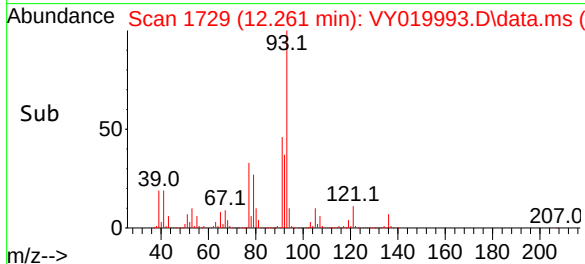
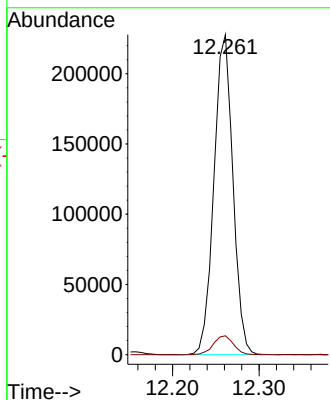
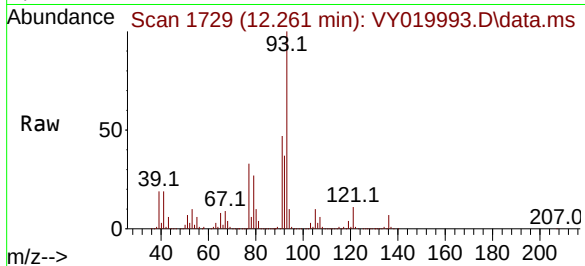




#73
Isopropylbenzene
Concen: 43.327 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

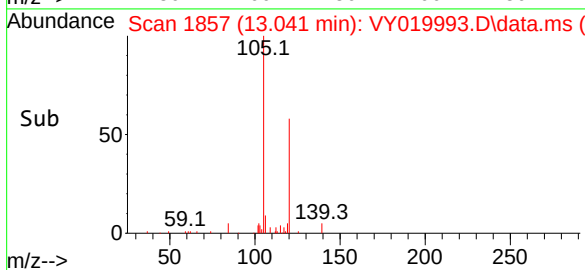
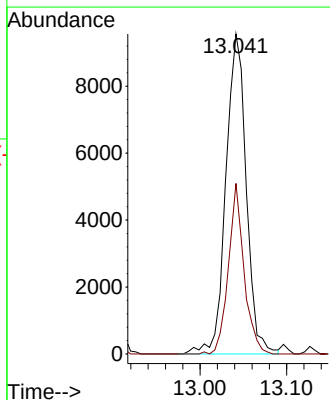
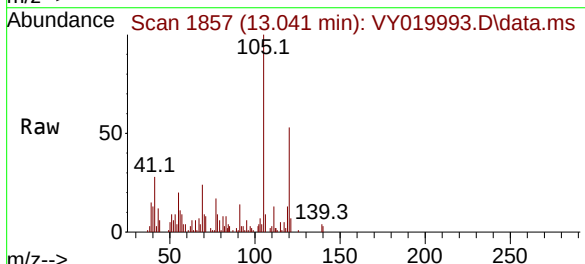
Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

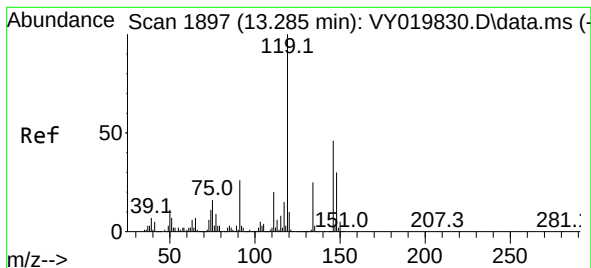
Tgt Ion:105 Resp: 346599
Ion Ratio Lower Upper
105 100
120 6.3 13.4 40.1#



#84
1,2,4-Trimethylbenzene
Concen: 2.441 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:105 Resp: 15636
Ion Ratio Lower Upper
105 100
120 40.9 23.2 69.6





#86

p-Isopropyltoluene

Concen: 108.235 ug/l

RT: 13.291 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019993.D

Acq: 23 Oct 2024 14:45

Instrument :

MSVOA_Y

ClientSampleId :

B-180-SB02

Tgt Ion:119 Resp: 759982

Ion Ratio Lower Upper

119 100

134 24.9 13.1 39.3

91 26.0 10.7 32.1

