

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
 Data File : VY019997.D
 Acq On : 23 Oct 2024 16:19
 Operator : SY/MD
 Sample : P4489-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-2675

Quant Time: Oct 24 01:28:07 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	7780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	15146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	11864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	5196	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	5446	56.851	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	=	113.700%	
35) Dibromofluoromethane	7.634	113	4676	46.785	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	=	93.560%	
50) Toluene-d8	10.109	98	17309	46.896	ug/l	0.00
Spiked Amount 50.000	Range	58 - 134	Recovery	=	93.800%	
62) 4-Bromofluorobenzene	12.402	95	7649	57.355	ug/l	0.00
Spiked Amount 50.000	Range	29 - 146	Recovery	=	114.700%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.109	83	4764	26.258	ug/l	# 90
52) Toluene	10.170	92	5567	20.466	ug/l	88
67) Ethyl Benzene	11.518	91	40699	82.565	ug/l	93
68) m/p-Xylenes	11.627	106	51559	283.212	ug/l	92
69) o-Xylene	11.950	106	44132	252.305	ug/l	88
73) Isopropylbenzene	12.249	105	30139	68.960	ug/l	98
78) n-propylbenzene	12.591	91	94276	178.520	ug/l	97
80) 1,3,5-Trimethylbenzene	12.731	105	129921	368.091	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	346029	988.824	ug/l	96
85) sec-Butylbenzene	13.170	105	66795	141.388	ug/l	90
86) p-Isopropyltoluene	13.286	119	39288	102.414	ug/l	93
89) n-Butylbenzene	13.615	91	61710	164.743	ug/l	# 73

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

Quant Time: Oct 24 01:28:07 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

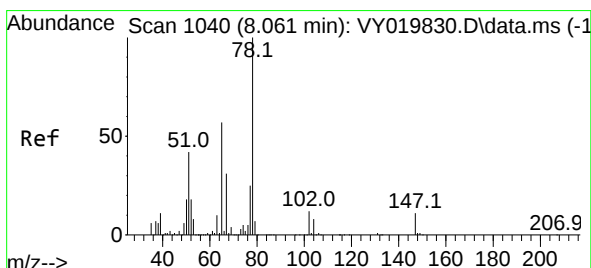
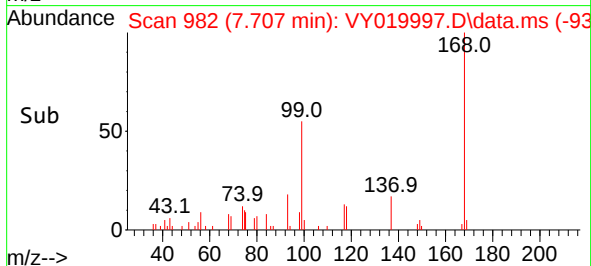
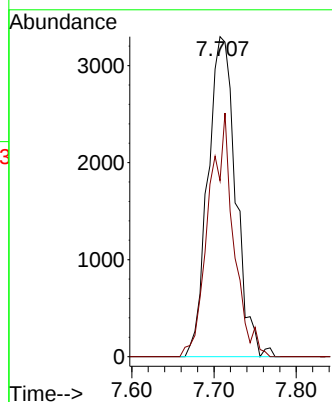
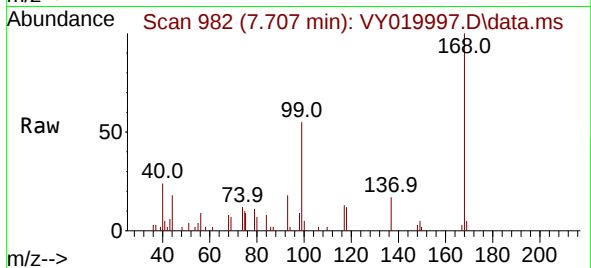




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019997.D
Acq: 23 Oct 2024 16:19

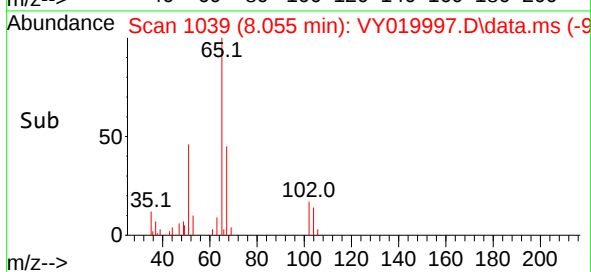
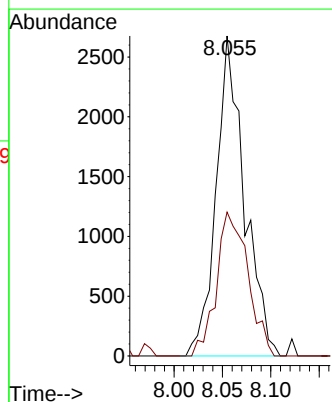
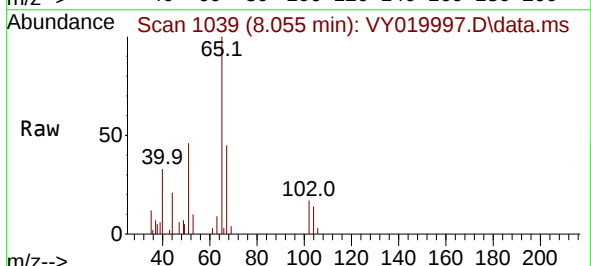
Instrument :
MSVOA_Y
ClientSampleId :
RT-2675

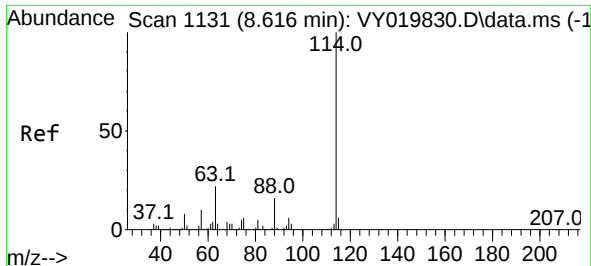
Tgt Ion:168 Resp: 7780
Ion Ratio Lower Upper
168 100
99 55.0 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 56.851 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019997.D
Acq: 23 Oct 2024 16:19

Tgt Ion: 65 Resp: 5446
Ion Ratio Lower Upper
65 100
67 49.8 0.0 109.6

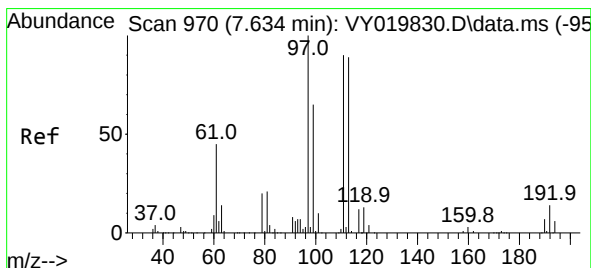
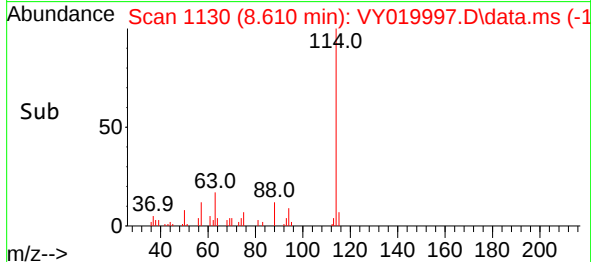
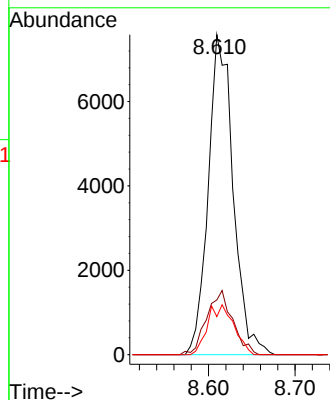
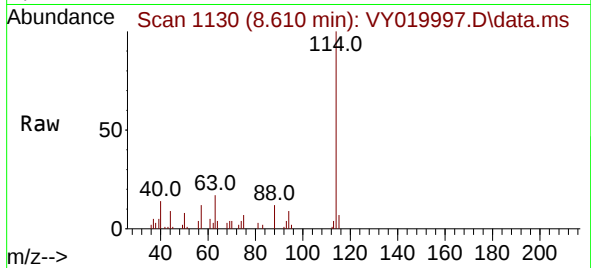




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY019997.D
Acq: 23 Oct 2024 16:19

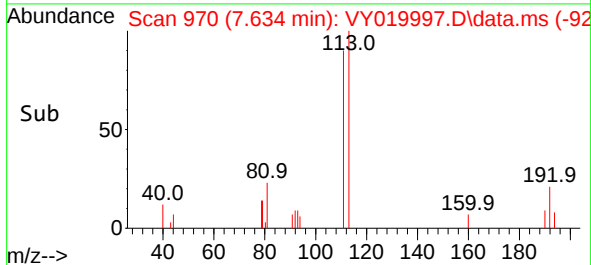
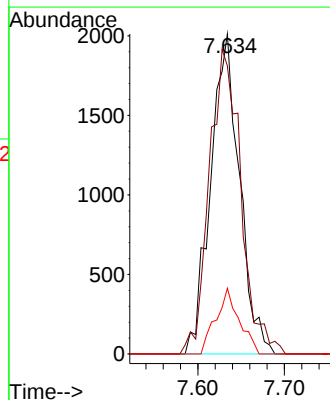
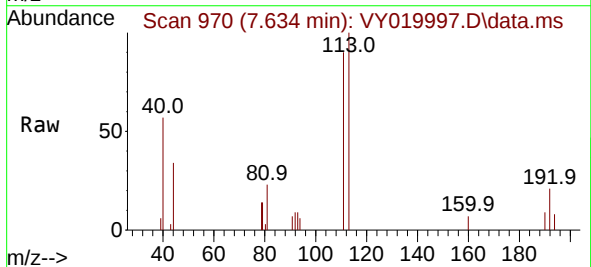
Instrument :
MSVOA_Y
ClientSampleId :
RT-2675

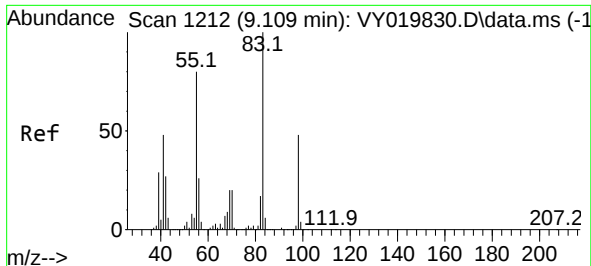
Tgt Ion:114	Resp:	15146
Ion	Ratio	Lower Upper
114	100	
63	17.1	0.0 35.0
88	11.9	0.0 27.2



#35
Dibromofluoromethane
Concen: 46.785 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019997.D
Acq: 23 Oct 2024 16:19

Tgt Ion:113	Resp:	4676
Ion	Ratio	Lower Upper
113	100	
111	103.5	82.2 123.4
192	16.5	15.9 23.9





#39

Methylcyclohexane

Concen: 26.258 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019997.D

Acq: 23 Oct 2024 16:19

Instrument :

MSVOA_Y

ClientSampleId :

RT-2675

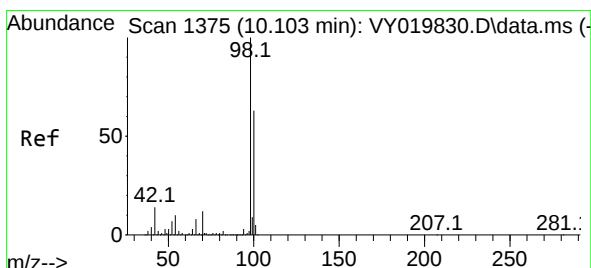
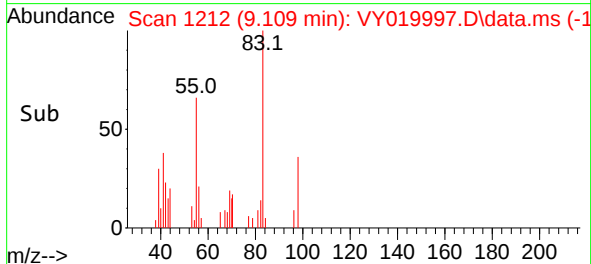
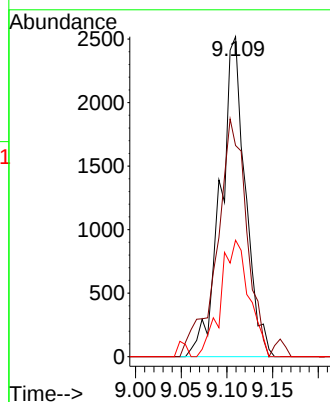
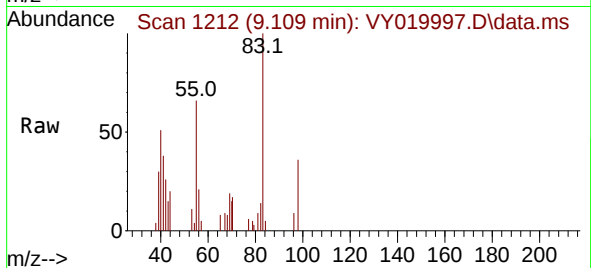
Tgt Ion: 83 Resp: 4764

Ion Ratio Lower Upper

83 100

55 66.0 51.5 77.3

98 36.4 40.5 60.7#



#50

Toluene-d8

Concen: 46.896 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019997.D

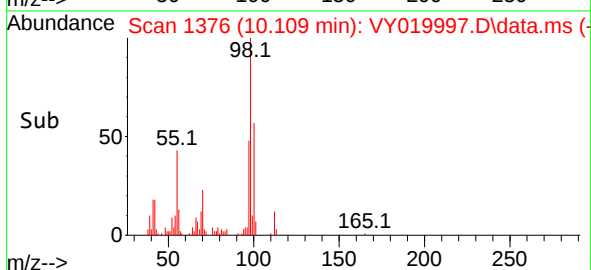
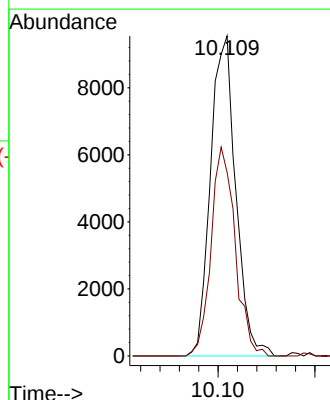
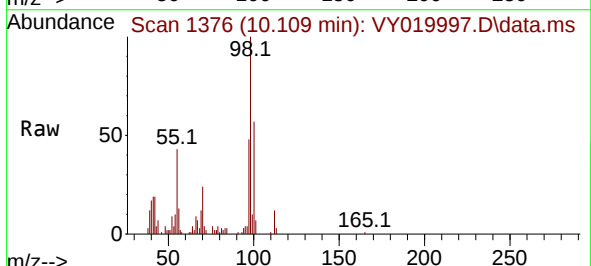
Acq: 23 Oct 2024 16:19

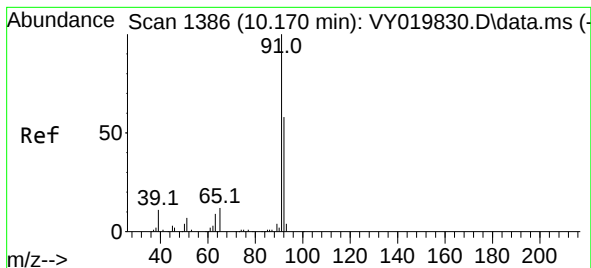
Tgt Ion: 98 Resp: 17309

Ion Ratio Lower Upper

98 100

100 62.2 52.0 78.0





#52

Toluene

Concen: 20.466 ug/l

RT: 10.170 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019997.D

Acq: 23 Oct 2024 16:19

Instrument :

MSVOA_Y

ClientSampleId :

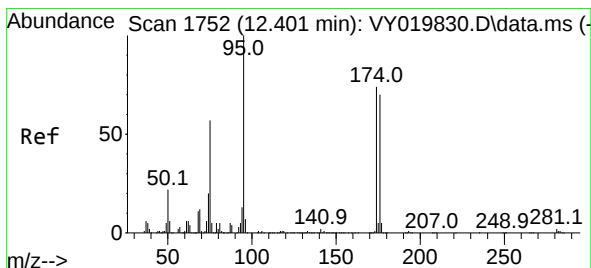
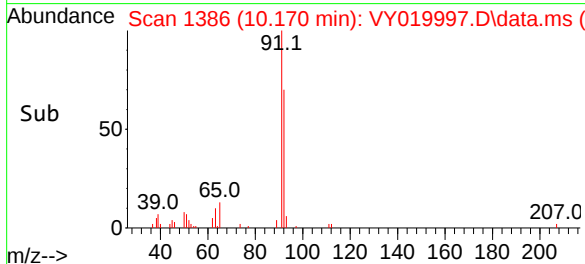
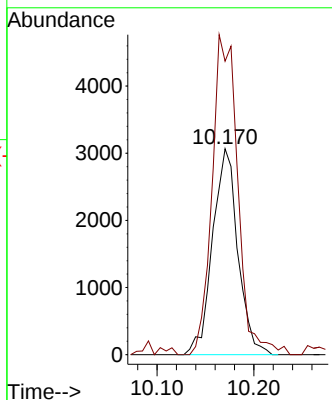
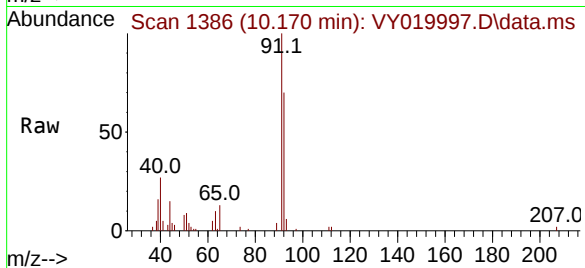
RT-2675

Tgt Ion: 92 Resp: 5567

Ion Ratio Lower Upper

92 100

91 157.7 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 57.355 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019997.D

Acq: 23 Oct 2024 16:19

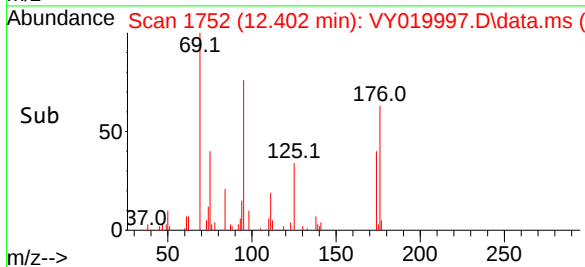
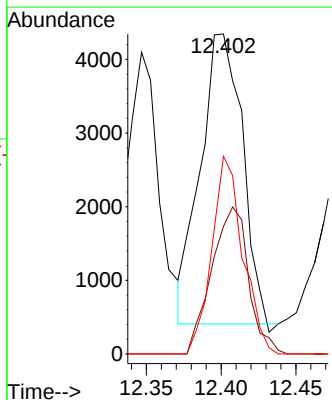
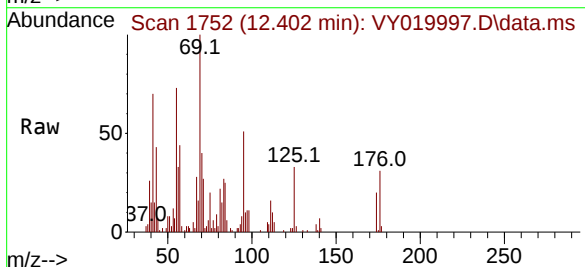
Tgt Ion: 95 Resp: 7649

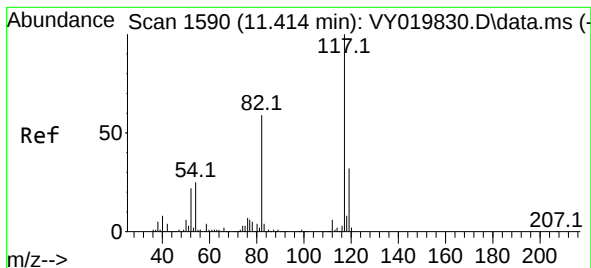
Ion Ratio Lower Upper

95 100

174 44.8 0.0 175.6

176 50.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019997.D

Acq: 23 Oct 2024 16:19

Instrument :

MSVOA_Y

ClientSampleId :

RT-2675

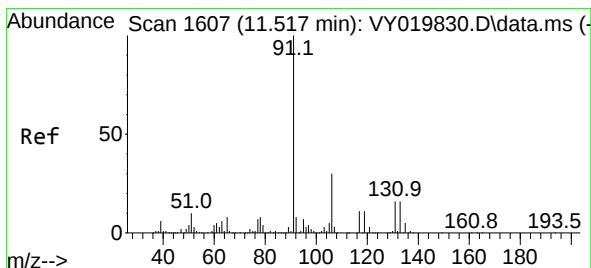
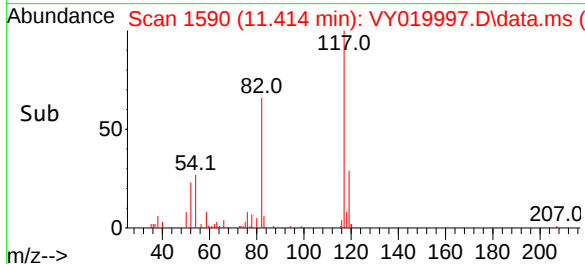
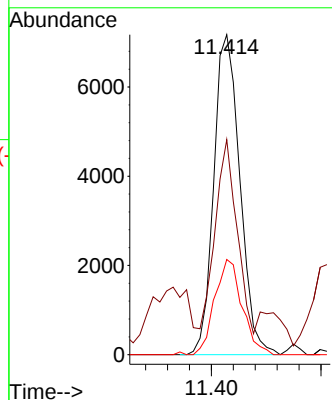
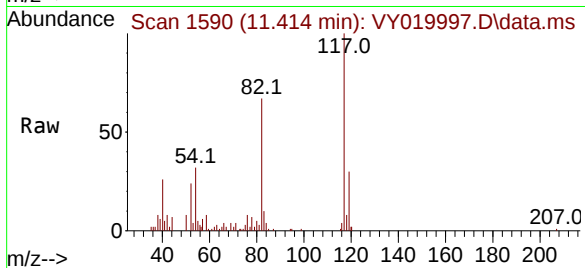
Tgt Ion:117 Resp: 11864

Ion Ratio Lower Upper

117 100

82 56.3 42.4 63.6

119 29.8 25.9 38.9



#67

Ethyl Benzene

Concen: 82.565 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019997.D

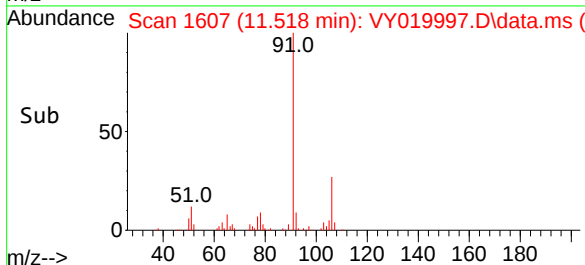
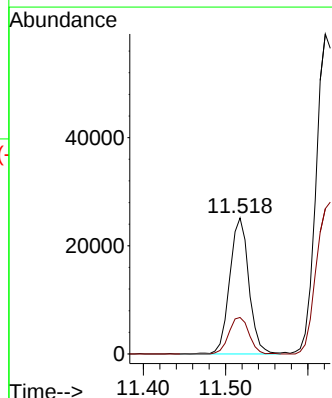
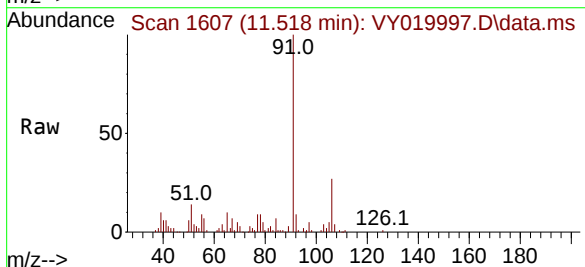
Acq: 23 Oct 2024 16:19

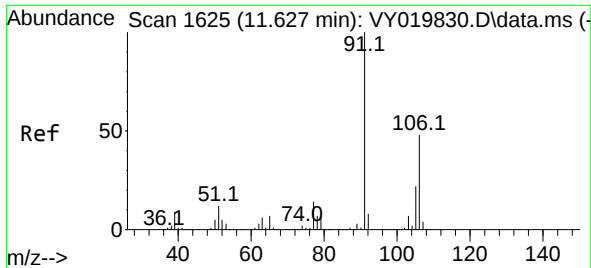
Tgt Ion: 91 Resp: 40699

Ion Ratio Lower Upper

91 100

106 26.9 24.5 36.7

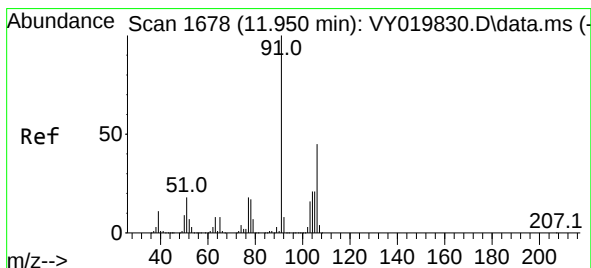
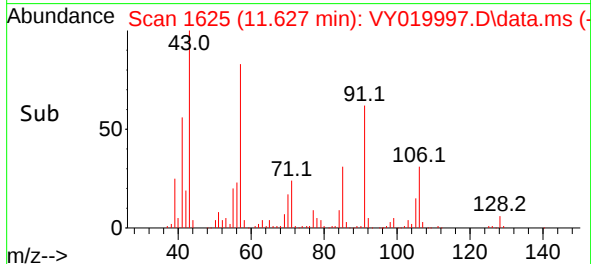
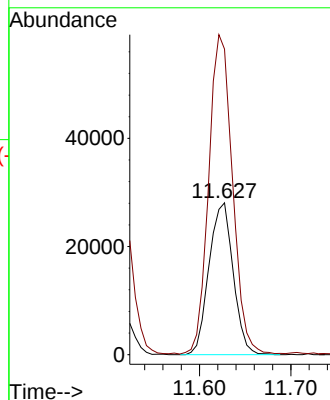
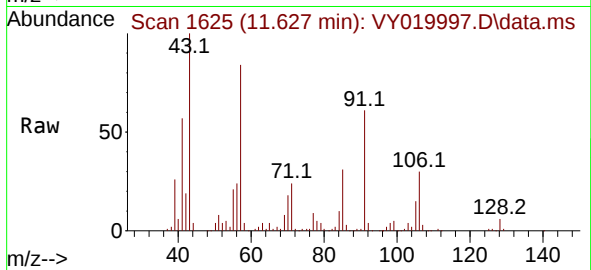




#68
m/p-Xylenes
Concen: 283.212 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY019997.D
Acq: 23 Oct 2024 16:19

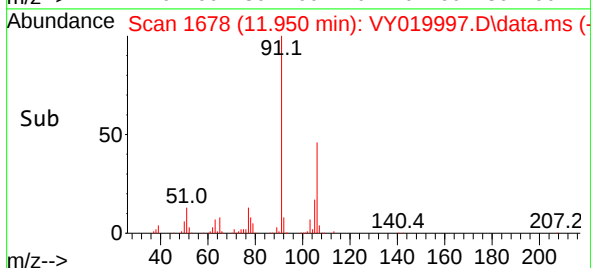
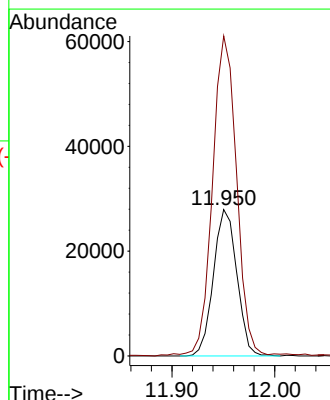
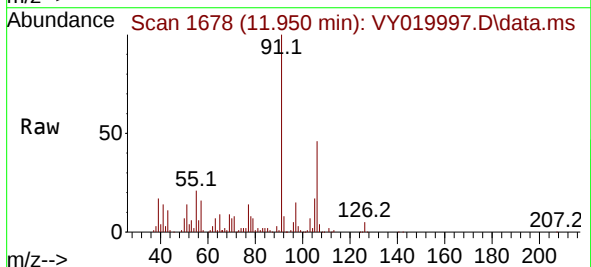
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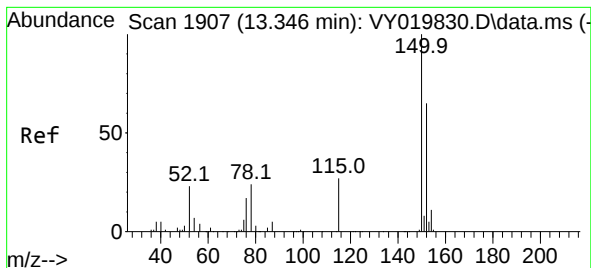
Tgt Ion:106 Resp: 51559
Ion Ratio Lower Upper
106 100
91 206.6 156.0 234.0



#69
o-Xylene
Concen: 252.305 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY019997.D
Acq: 23 Oct 2024 16:19

Tgt Ion:106 Resp: 44132
Ion Ratio Lower Upper
106 100
91 225.5 103.6 310.8

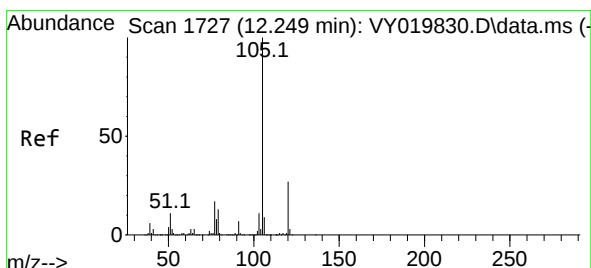
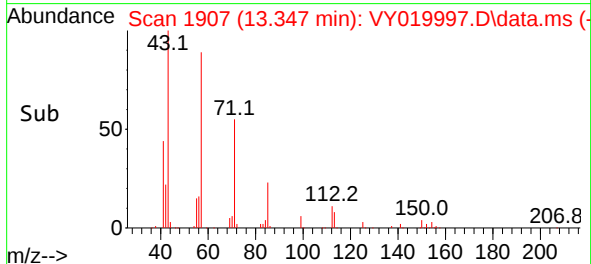
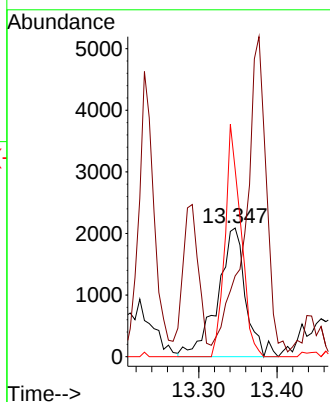
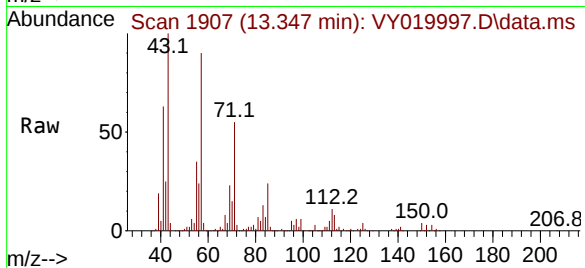




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019997.D
Acq: 23 Oct 2024 16:19

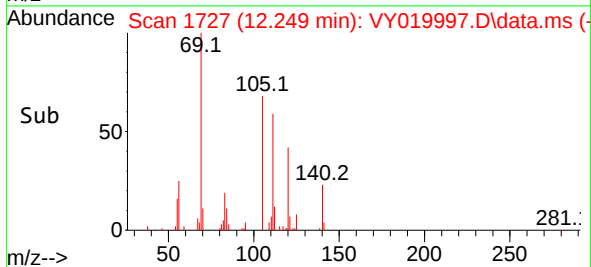
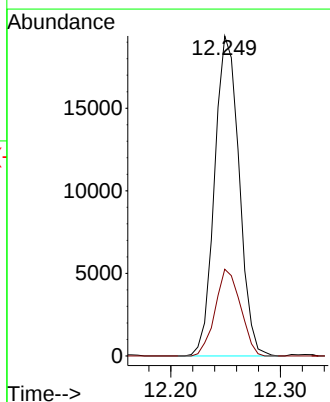
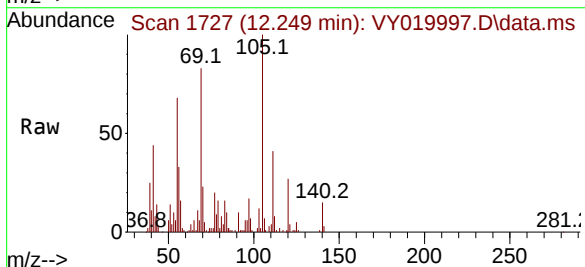
Instrument :
MSVOA_Y
ClientSampleId :
RT-2675

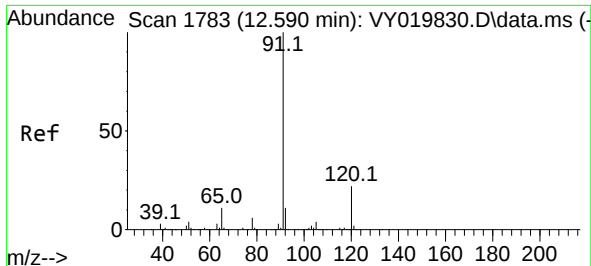
Tgt Ion:152 Resp: 5196
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 102.7 0.0 345.6



#73
Isopropylbenzene
Concen: 68.960 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. -0.006 min
Lab File: VY019997.D
Acq: 23 Oct 2024 16:19

Tgt Ion:105 Resp: 30139
Ion Ratio Lower Upper
105 100
120 27.9 13.4 40.1

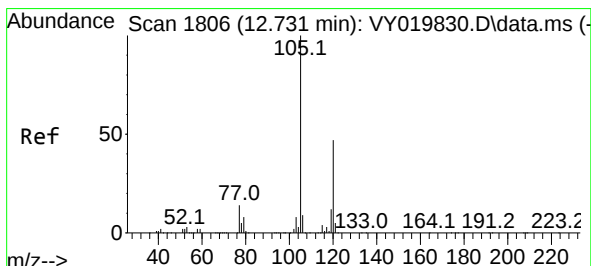
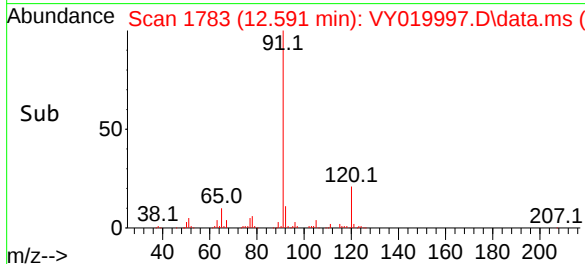
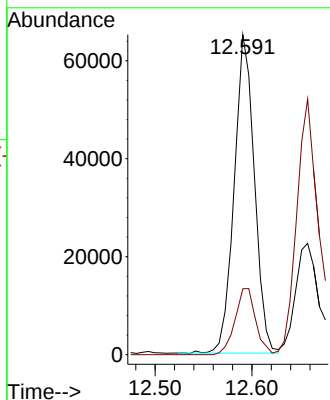
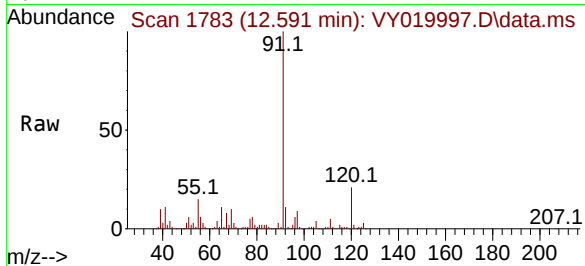




#78
n-propylbenzene
Concen: 178.520 ug/l
RT: 12.591 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019997.D
Acq: 23 Oct 2024 16:19

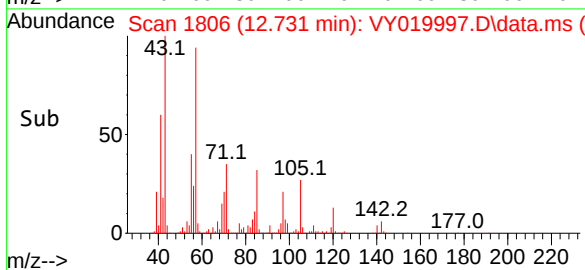
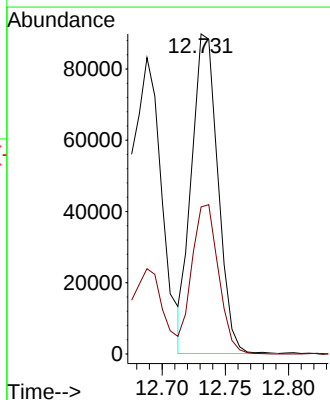
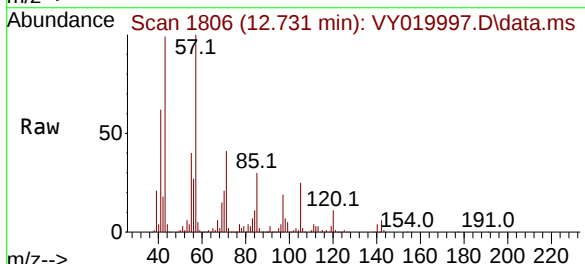
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MSVOA_Y
ClientSampleId :
RT-2675

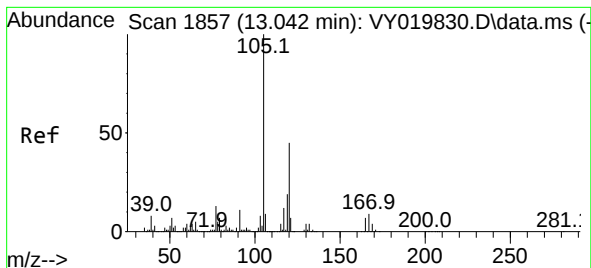
Tgt Ion: 91 Resp: 94276
Ion Ratio Lower Upper
91 100
120 21.3 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 368.091 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY019997.D
Acq: 23 Oct 2024 16:19

Tgt Ion: 105 Resp: 129921
Ion Ratio Lower Upper
105 100
120 47.4 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 988.824 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY019997.D

Acq: 23 Oct 2024 16:19

Instrument :

MSVOA_Y

ClientSampleId :

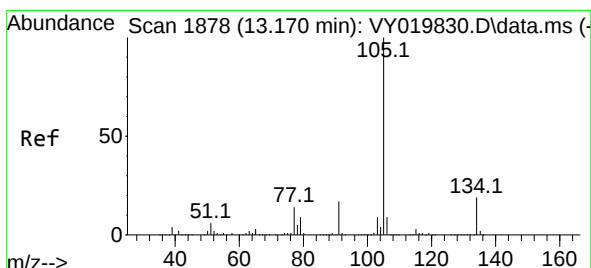
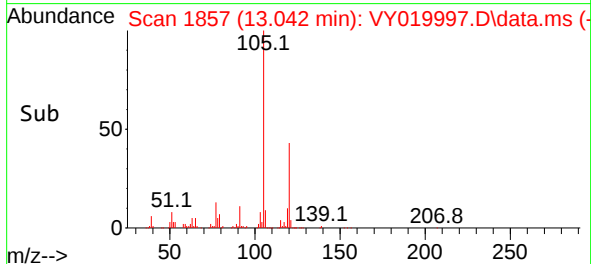
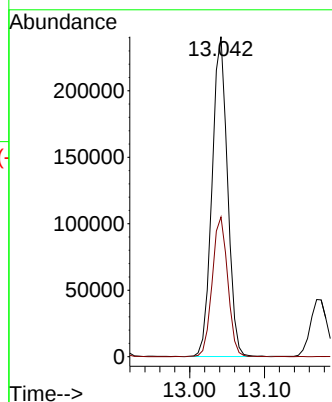
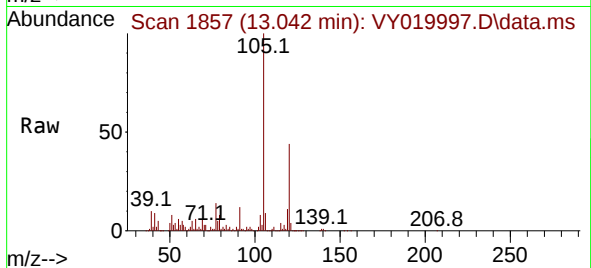
RT-2675

Tgt Ion:105 Resp: 346029

Ion Ratio Lower Upper

105 100

120 43.7 23.2 69.6



#85

sec-Butylbenzene

Concen: 141.388 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VY019997.D

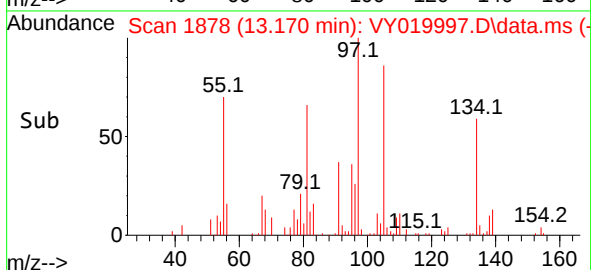
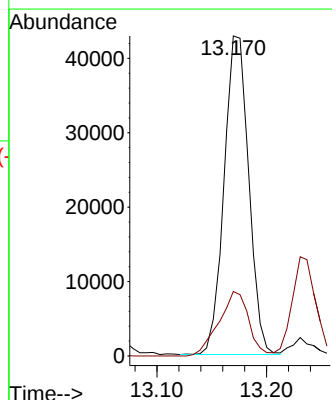
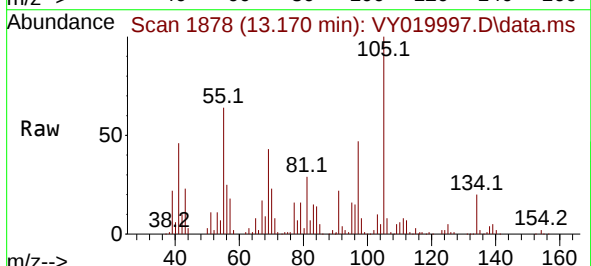
Acq: 23 Oct 2024 16:19

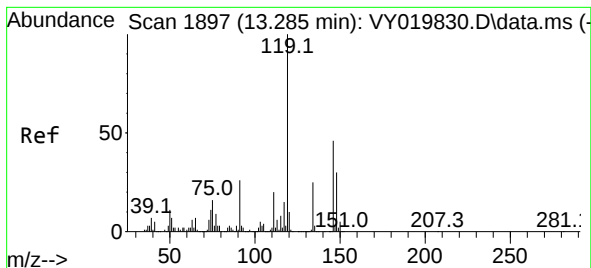
Tgt Ion:105 Resp: 66795

Ion Ratio Lower Upper

105 100

134 24.6 10.1 30.1

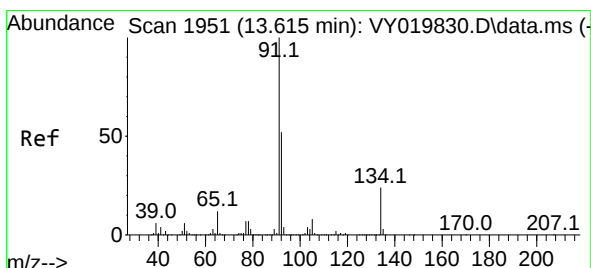
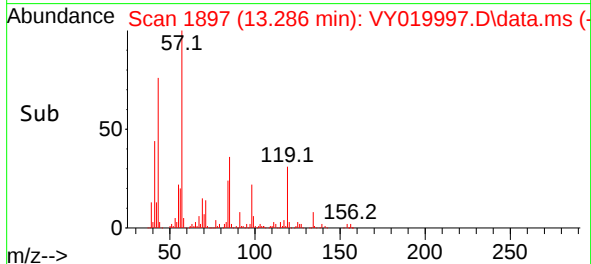
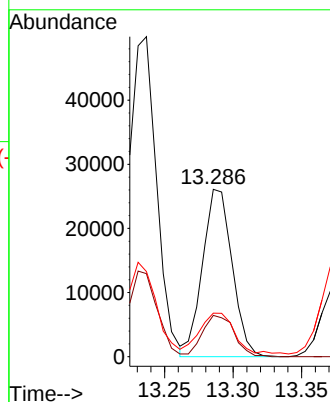
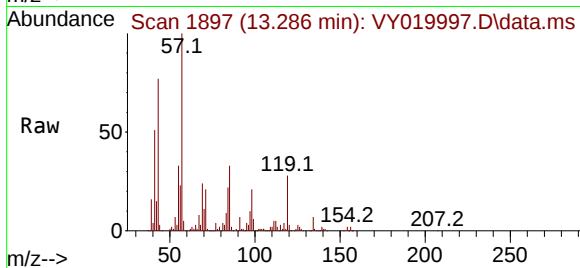




#86
 p-Isopropyltoluene
 Concen: 102.414 ug/l
 RT: 13.286 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VY019997.D
 Acq: 23 Oct 2024 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-2675

Tgt Ion:119 Resp: 39288
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 28.5 10.7 32.1



#89
 n-Butylbenzene
 Concen: 164.743 ug/l
 RT: 13.615 min Scan# 1951
 Delta R.T. -0.006 min
 Lab File: VY019997.D
 Acq: 23 Oct 2024 16:19

Tgt Ion: 91 Resp: 61710
 Ion Ratio Lower Upper
 91 100
 92 63.7 26.6 79.7
 134 0.0 12.9 38.7#

