

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121319\
 Data File : VY000939.D
 Acq On : 13 Dec 2019 11:32
 Operator : SY/MD
 Sample : K4649-01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 14 05:57:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 12 09:49:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	477724	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	436547	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	204702	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	136762	18.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.16%
7) Chloroethane-d5	2.75	69	137109	21.62	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
11) 1,1-Dichloroethene-d2	3.86	63	578931	45.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	183.36%#
21) 2-Butanone-d5	6.89	46	181301	56.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.48%
24) Chloroform-d	7.48	84	287065	23.06	ug/L	-0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.24%
26) 1,2-Dichloroethane-d4	8.30	65	79	0.01	ug/L	0.15
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
32) Benzene-d6	8.11	84	637053	25.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.96%
36) 1,2-Dichloropropane-d6	9.12	67	210752	27.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.56%
41) Toluene-d8	10.17	98	575521	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.12%
43) trans-1,3-Dichloropropene-	10.44	79	90098	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.80%
47) 2-Hexanone-d5	10.78	63	144352	59.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.90%
56) 1,1,2,2-Tetrachloroethane-	12.55	84	205582	24.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.72%
66) 1,2-Dichlorobenzene-d4	13.72	152	198745	24.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.44%

Target Compounds

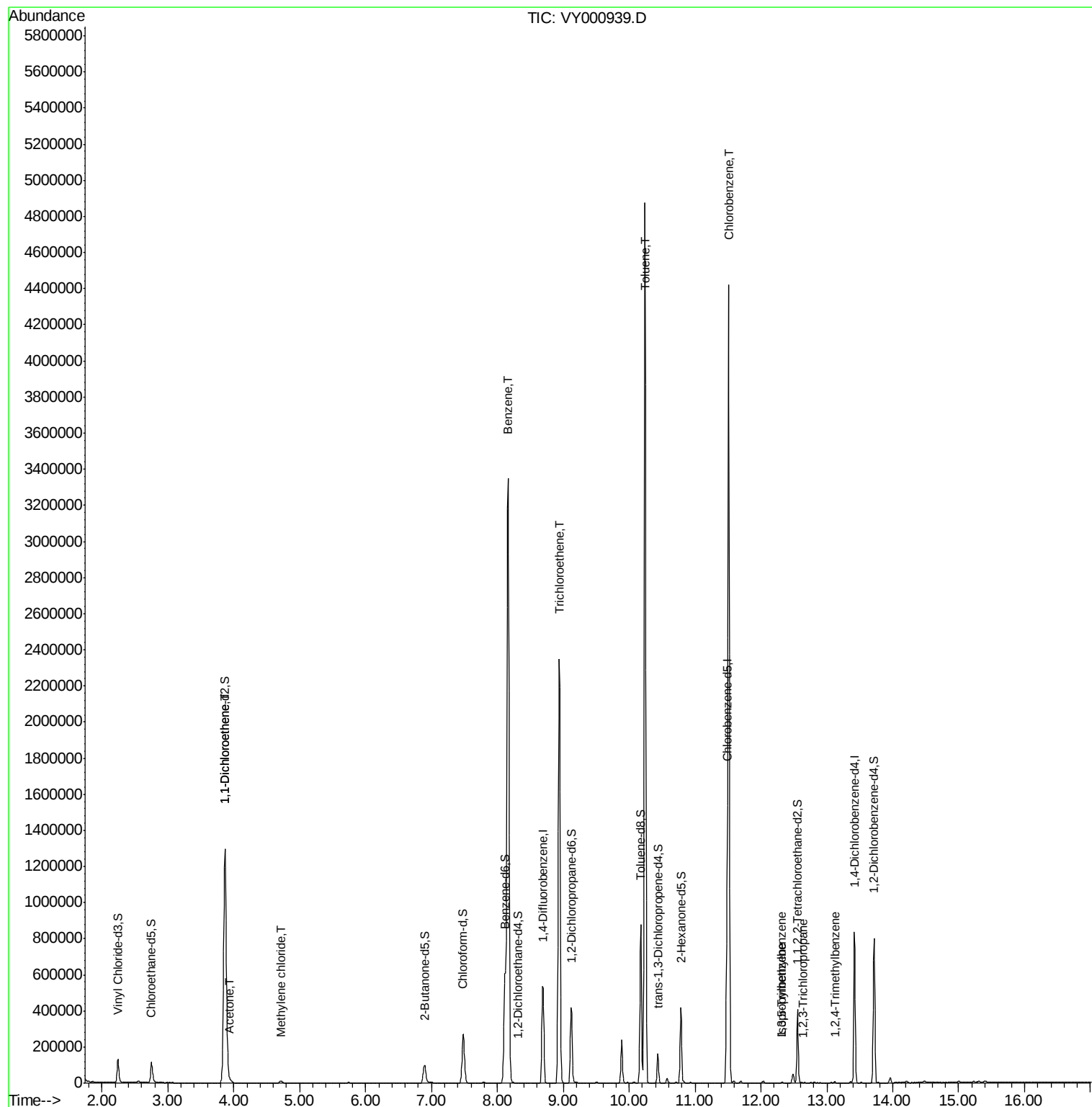
					Ovalue
12) 1,1-Dichloroethene	3.87	96	711464	112.119	ug/L # 76
13) Acetone	3.94	43	8258	2.709	ug/L 97
16) Methylene chloride	4.71	84	3268	0.420	ug/L 82
33) Benzene	8.16	78	3372991	117.644	ug/L 100
34) Trichloroethene	8.94	95	826939	109.292	ug/L 93
42) Toluene	10.24	91	3554668	116.096	ug/L 99
51) Chlorobenzene	11.51	112	2262614	115.691	ug/L 97
60) Isopropylbenzene	12.32	105	3657	0.112	ug/L # 91
61) 1,2,3-Trichloropropane	12.64	75	369	0.057	ug/L # 1
62) 1,3,5-Trimethylbenzene	12.32	105	3657	0.137	ug/L 95
63) 1,2,4-Trimethylbenzene	13.11	105	3931	0.149	ug/L 93

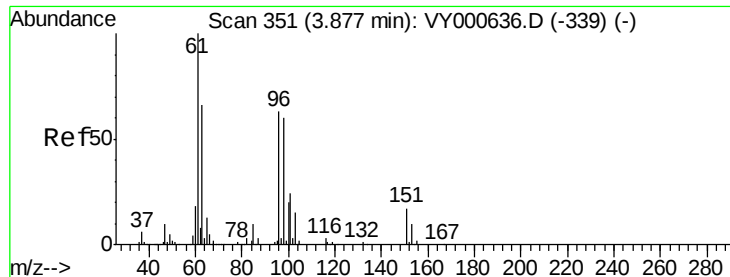
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Nov 12 09:49:35 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 112.119 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY000939.D

Acq: 13 Dec 2019 11:32

Instrument :

MSVOA_Y

ClientSampled :

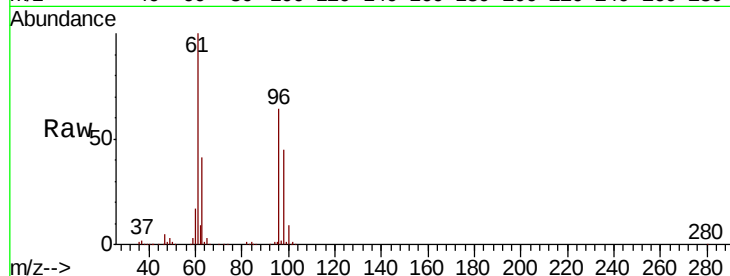
Tot Ion: 96 Resp: 711464

Ion Ratio Lower Upper

96 100

61 156.2 118.6 220.2

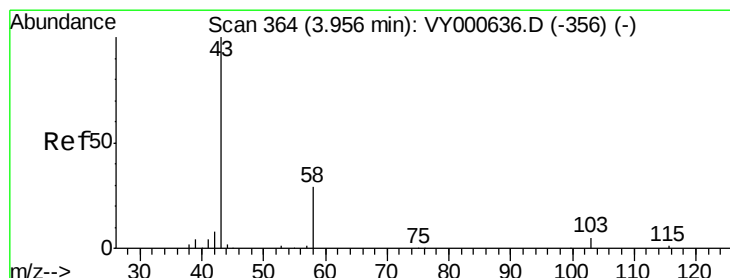
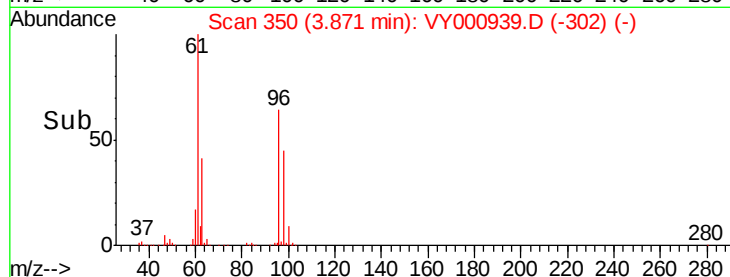
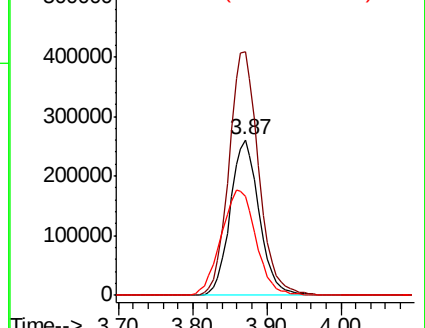
63 63.3 77.8 144.6#



Abundance Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 63.00 (62.70 to 63.70): VY0



#13

Acetone

Concen: 2.709 ug/L

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY000939.D

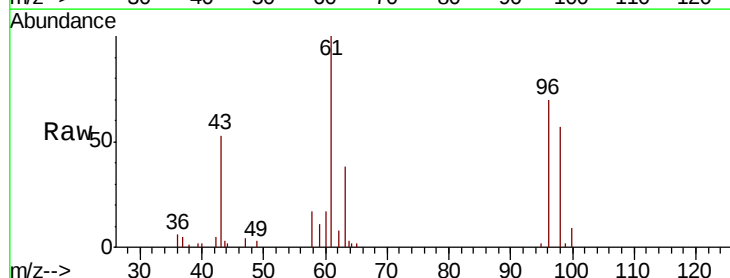
Acq: 13 Dec 2019 11:32

Tgt Ion: 43 Resp: 8258

Ion Ratio Lower Upper

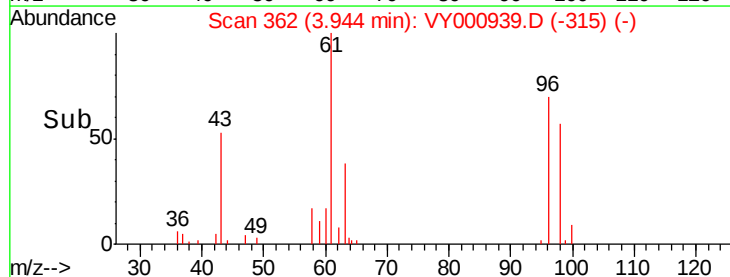
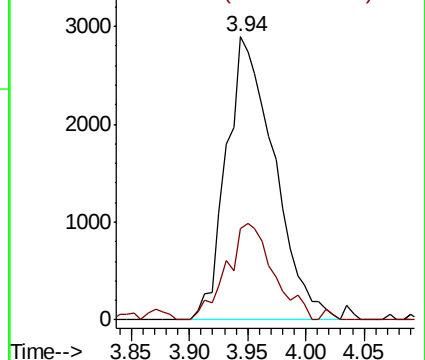
43 100

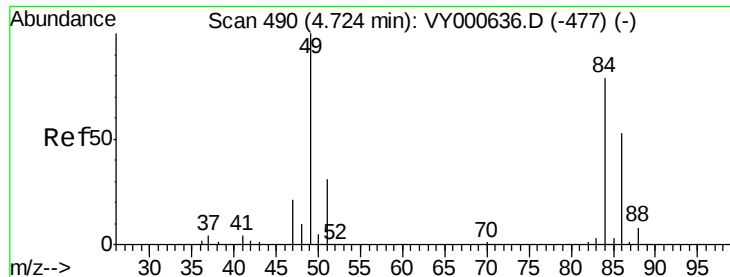
58 33.2 0.0 69.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

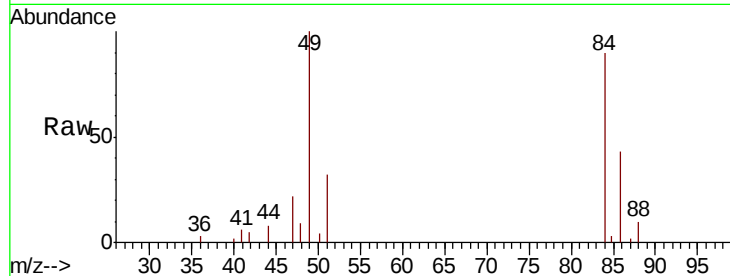




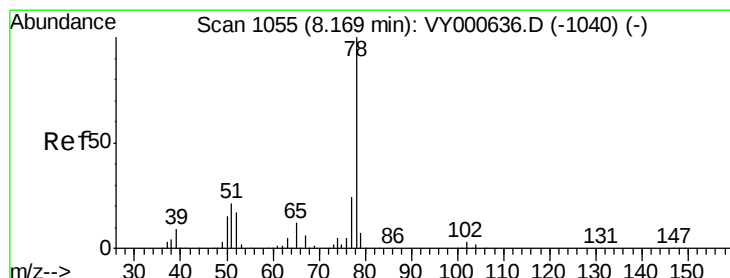
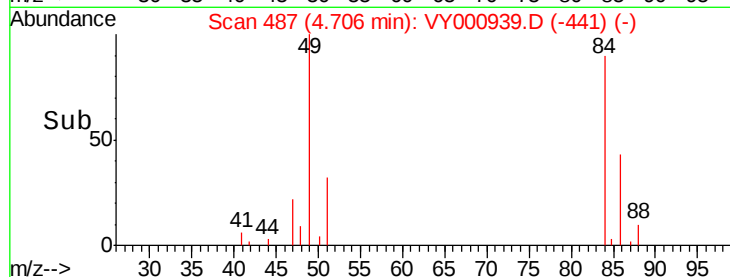
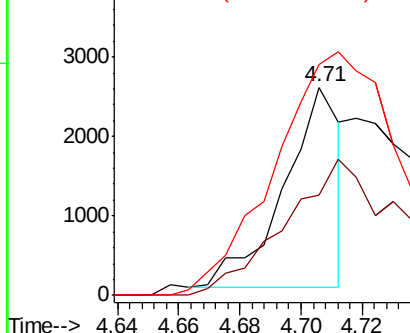
#16
Methvlene chloride
Concen: 0.420 ug/L
RT: 4.71 min Scan# 487
Delta R.T. -0.02 min
Lab File: VY000939.D
Acq: 13 Dec 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :

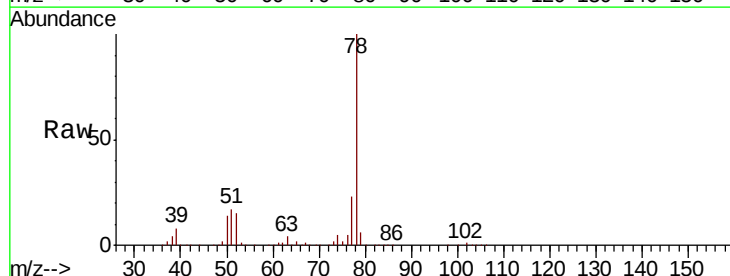
Tot Ion: 84 Resp: 3268
Ion Ratio Lower Upper
84 100
86 48.1 43.4 80.6
49 110.7 92.3 171.3



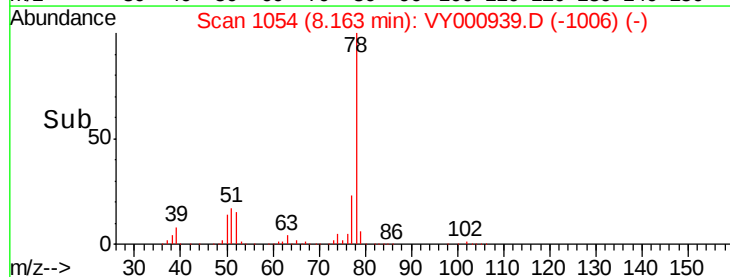
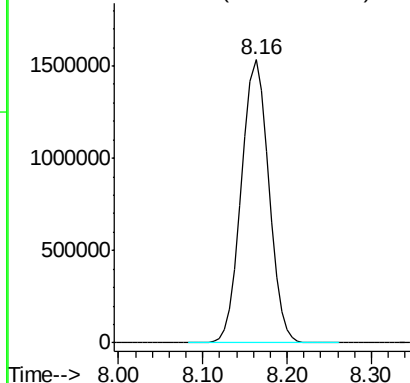
Abundance Ion 84.00 (83.70 to 84.70): VY0
Ion 86.00 (85.70 to 86.70): VY0
Ion 49.00 (48.70 to 49.70): VY0

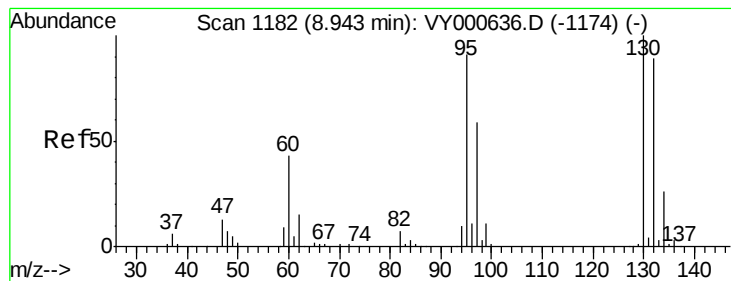


#33
Benzene
Concen: 117.644 ug/L
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000939.D
Acq: 13 Dec 2019 11:32
Tgt Ion: 78 Resp: 3372991



Abundance Ion 78.00 (77.70 to 78.70): VY0





#34

Trichloroethene

Concen: 109.292 ug/L

RT: 8.94 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VY000939.D

Acq: 13 Dec 2019 11:32

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 95 Resp: 826939

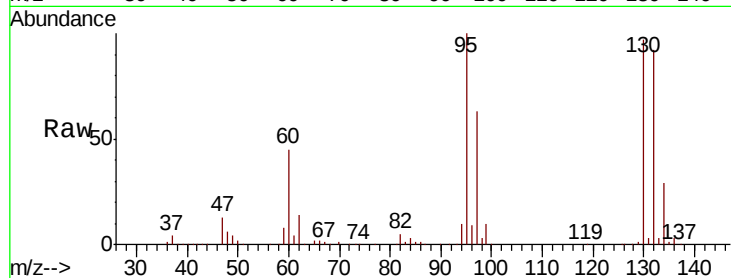
Ion Ratio Lower Upper

95 100

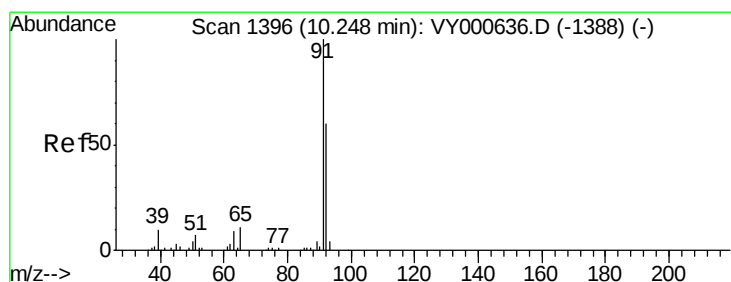
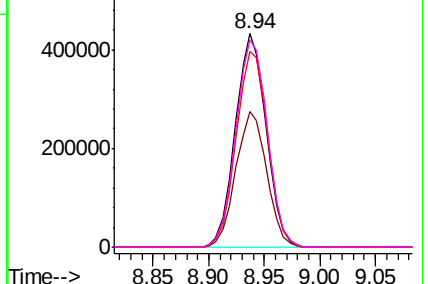
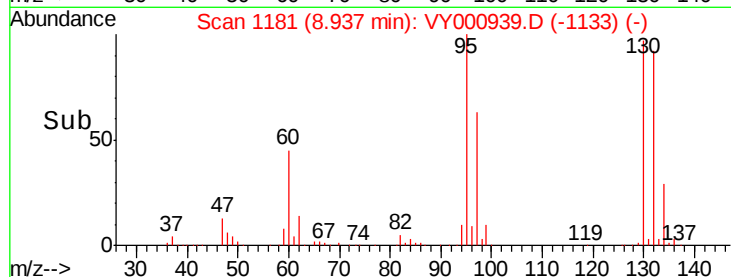
97 63.4 41.4 76.8

132 91.7 69.7 129.4

130 97.3 73.1 135.8



Abundance Ion 95.00 (94.70 to 95.70): VY0
Ion 97.00 (96.70 to 97.70): VY0
Ion 132.00 (131.70 to 132.70): VY0
Ion 130.00 (129.70 to 130.70): VY0



#42

Toluene

Concen: 116.096 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000939.D

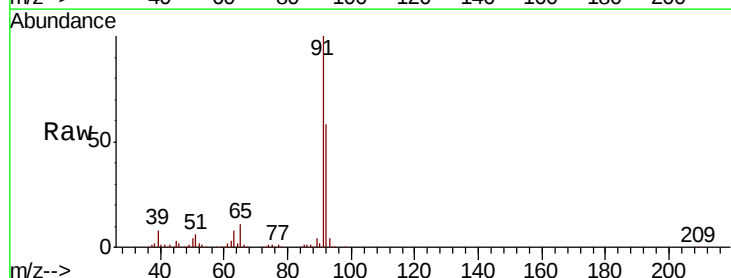
Acq: 13 Dec 2019 11:32

Tgt Ion: 91 Resp: 3554668

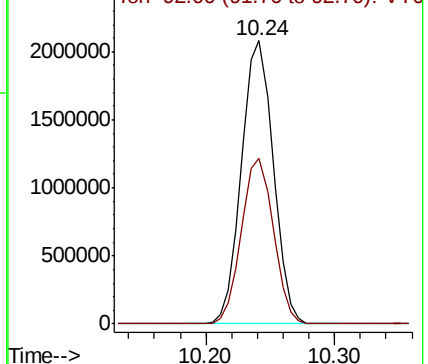
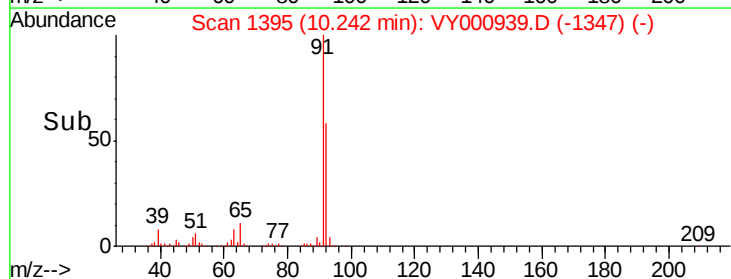
Ion Ratio Lower Upper

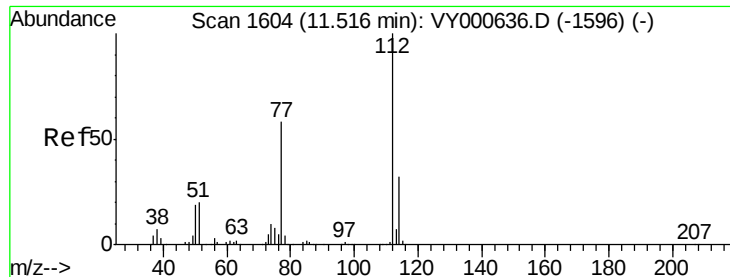
91 100

92 58.4 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 92.00 (91.70 to 92.70): VY0

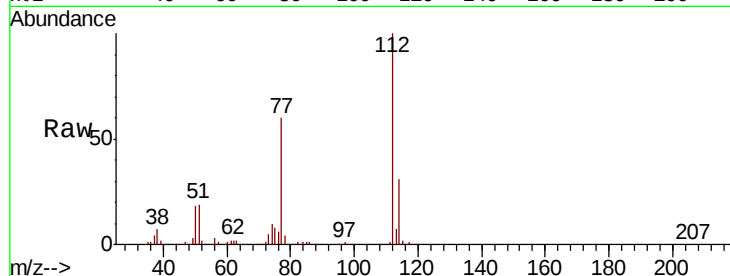




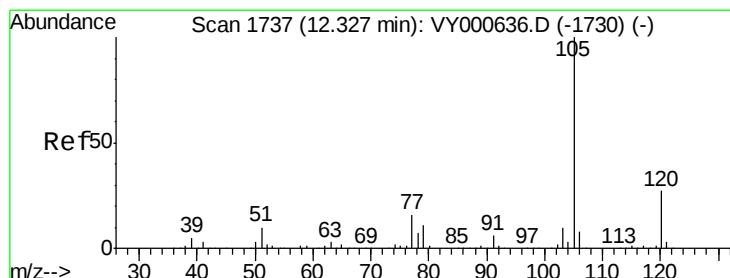
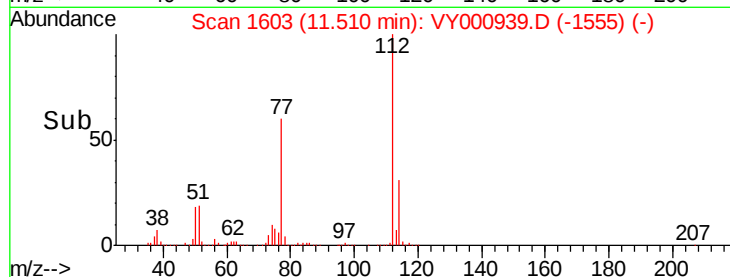
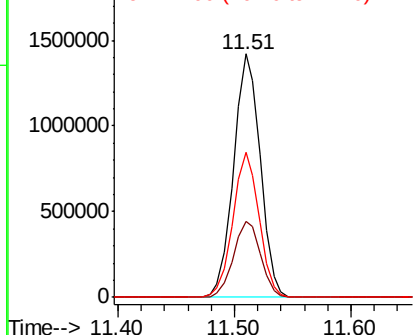
#51
Chlorobenzene
Concen: 115.691 ug/L
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY000939.D
Acq: 13 Dec 2019 11:32

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:112 Resp: 2262614
Ion Ratio Lower Upper
112 100
114 31.4 22.1 41.1
77 59.6 45.3 67.9

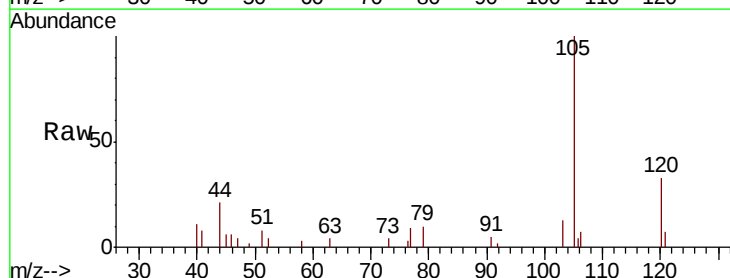


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VY0

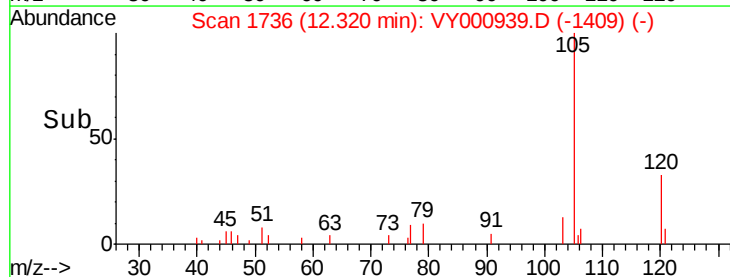
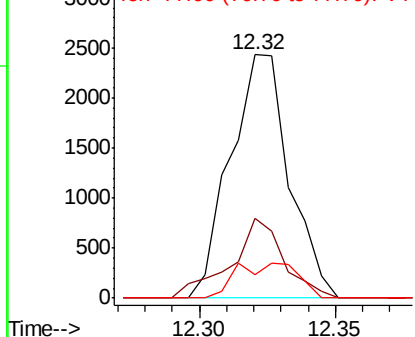


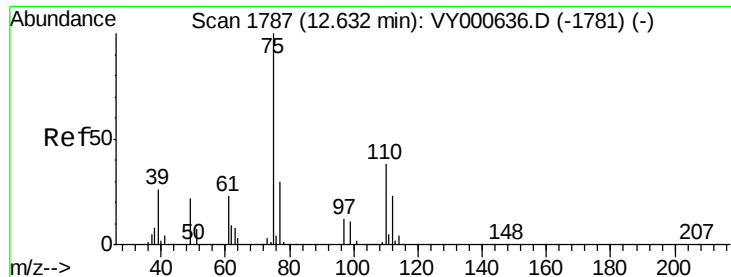
#60
Isopropylbenzene
Concen: 0.112 ug/L
RT: 12.32 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VY000939.D
Acq: 13 Dec 2019 11:32

Tgt Ion:105 Resp: 3657
Ion Ratio Lower Upper
105 100
120 29.4 21.8 32.8
77 8.5 12.6 19.0#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VY0

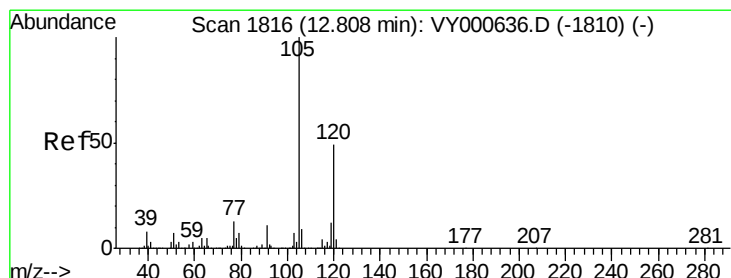
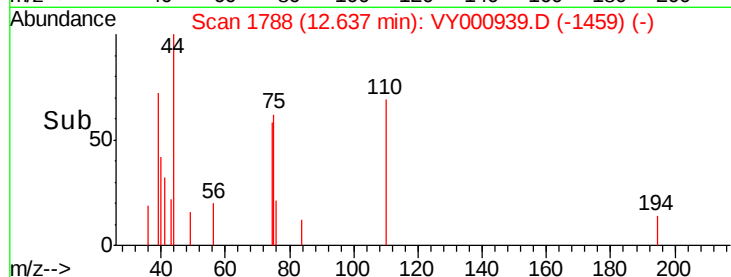
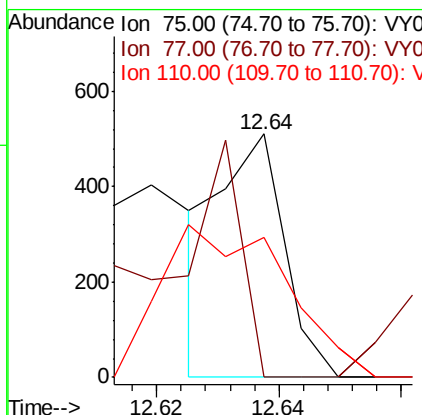
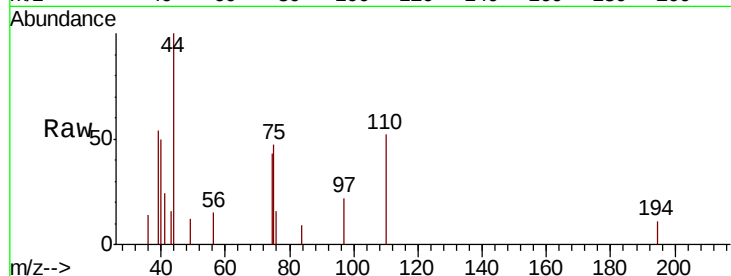




#61
 1,2,3-Trichloropropane
 Concen: 0.057 ug/L
 RT: 12.64 min Scan# 1788
 Delta R.T. 0.01 min
 Lab File: VY000939.D
 Acq: 13 Dec 2019 11:32

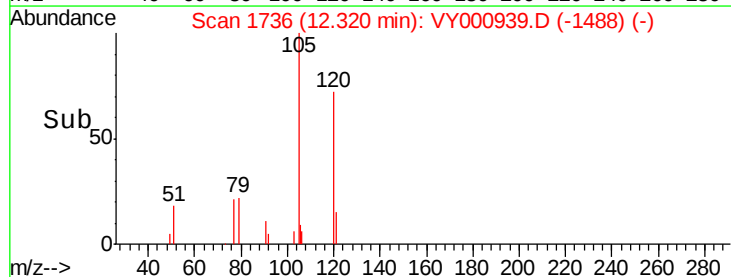
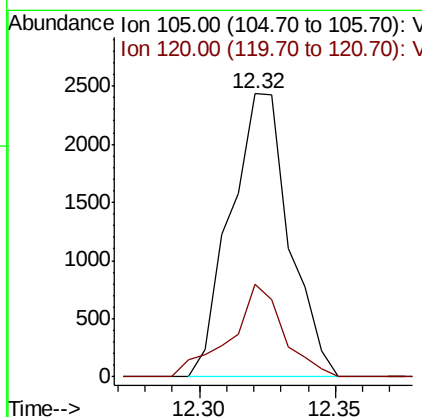
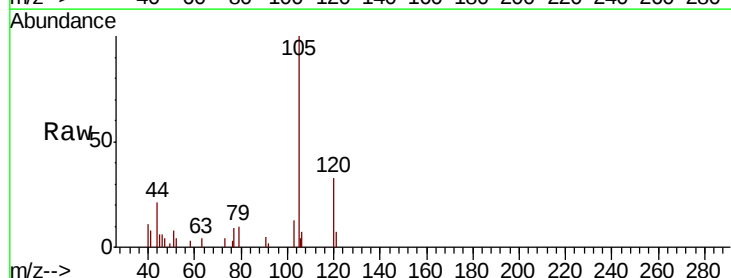
Instrument :
 MSVOA_Y
 ClientSampled :

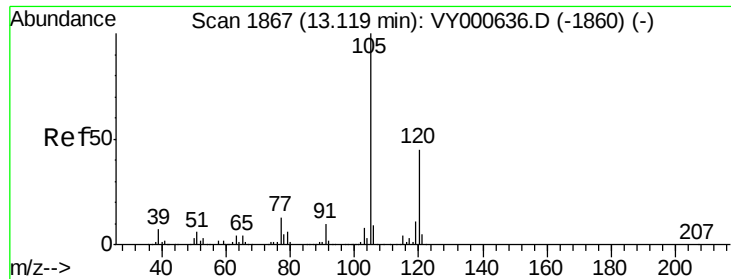
Tot Ion: 75 Resp: 369
 Ion Ratio Lower Upper
 75 100
 77 70.5 25.4 38.0#
 110 122.8 33.0 49.4#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.137 ug/L
 RT: 12.32 min Scan# 1736
 Delta R.T. -0.49 min
 Lab File: VY000939.D
 Acq: 13 Dec 2019 11:32

Tgt Ion: 105 Resp: 3657
 Ion Ratio Lower Upper
 105 100
 120 29.4 25.9 38.9





#63
 1,2,4-Trimethylbenzene
 Concen: 0.149 ug/L
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY000939.D
 Acq: 13 Dec 2019 11:32

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:105 Resp: 3931
 Ion Ratio Lower Upper
 105 100
 120 55.3 40.3 60.5

