

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111119\
 Data File : VY000638.D
 Acq On : 11 Nov 2019 14:01
 Operator : SY/MD
 Sample : K4649-01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 12 04:52:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 12 04:50:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	375446	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	343678	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	157960	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	137744	24.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.32%
7) Chloroethane-d5	2.76	69	119388	23.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.84%
11) 1,1-Dichloroethene-d2	3.85	63	183745	18.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.04%
21) 2-Butanone-d5	6.90	46	106359	42.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.70%
24) Chloroform-d	7.49	84	228643	23.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.48%
26) 1,2-Dichloroethane-d4	8.16	65	139421	23.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	8.12	84	492923	24.80	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	9.13	67	155029	25.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.36%
41) Toluene-d8	10.18	98	453433	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.16%
43) trans-1,3-Dichloropropene-	10.44	79	72339	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.68%
47) 2-Hexanone-d5	10.79	63	81674	43.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.16%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	140436	21.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.68%
66) 1,2-Dichlorobenzene-d4	13.72	152	154619	25.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.24%

Target Compounds

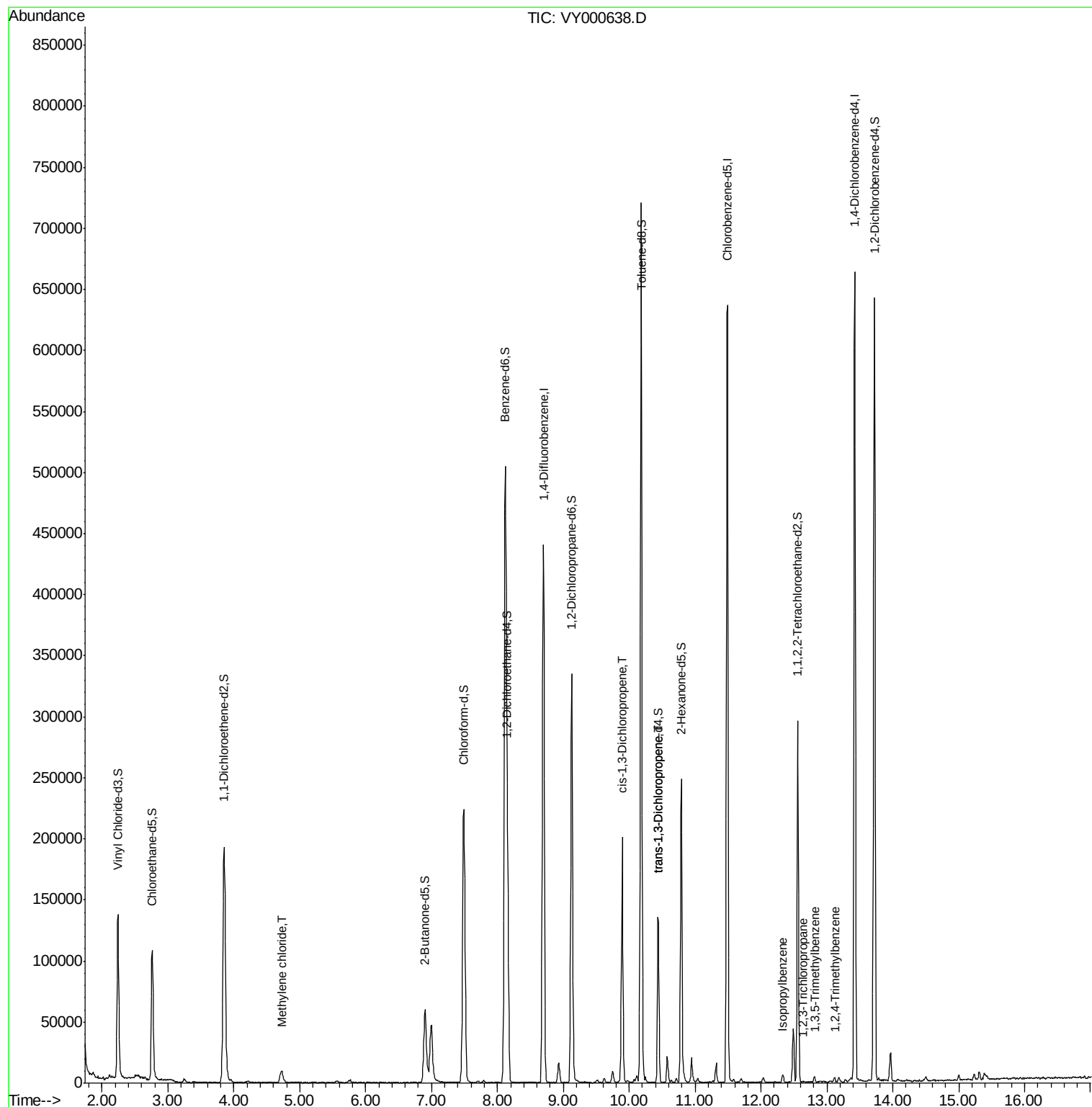
					Ovalue
16) Methylene chloride	4.73	84	7297	1.193 ug/L #	66
39) cis-1,3-Dichloropropene	9.89	75	5721	0.620 ug/L #	69
44) trans-1,3-Dichloropropene	10.44	75	4179	0.512 ug/L #	80
60) Isopropylbenzene	12.32	105	1862	0.074 ug/L #	63
61) 1,2,3-Trichloropropane	12.63	75	189	0.038 ug/L #	47
62) 1,3,5-Trimethylbenzene	12.81	105	1622	0.079 ug/L #	40
63) 1,2,4-Trimethylbenzene	13.12	105	2114	0.104 ug/L	97

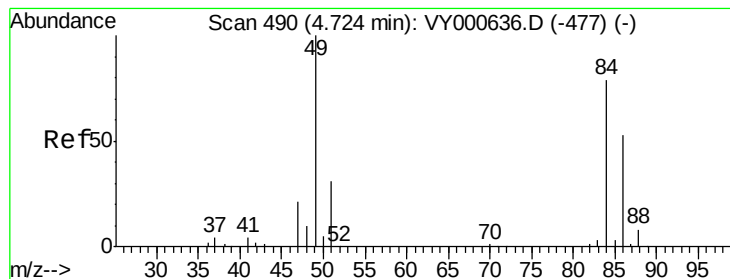
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 04:50:16 2019
Response via : Initial Calibration





#16

Methylene chloride

Concen: 1.193 ug/L

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000638.D

Acq: 11 Nov 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

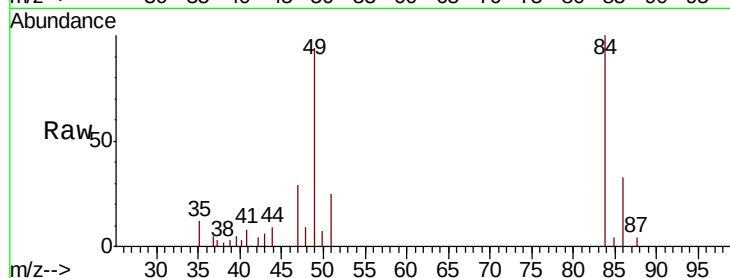
Tot Ion: 84 Resp: 7297

Ion Ratio Lower Upper

84 100

86 32.6 43.4 80.6#

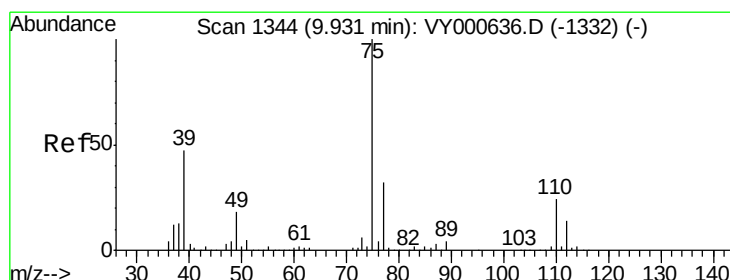
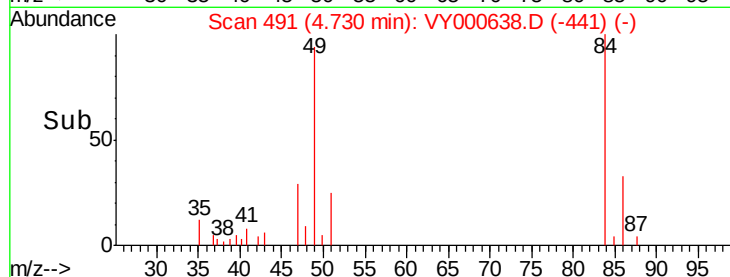
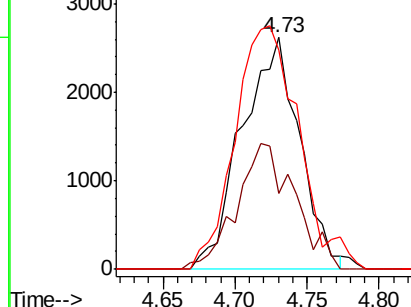
49 94.4 92.3 171.3



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



#39

cis-1,3-Dichloropropene

Concen: 0.620 ug/L

RT: 9.89 min Scan# 1338

Delta R.T. -0.04 min

Lab File: VY000638.D

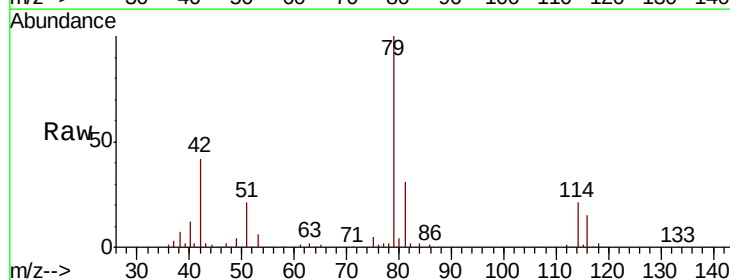
Acq: 11 Nov 2019 14:01

Tgt Ion: 75 Resp: 5721

Ion Ratio Lower Upper

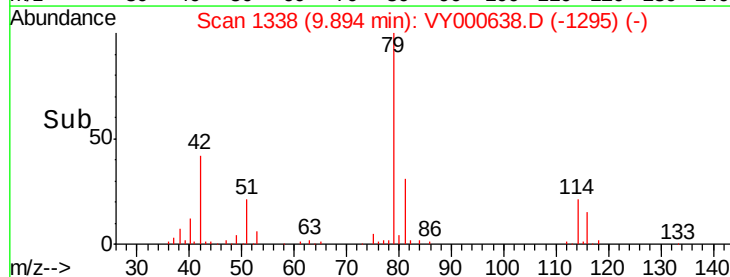
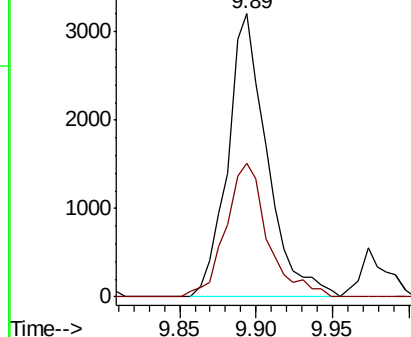
75 100

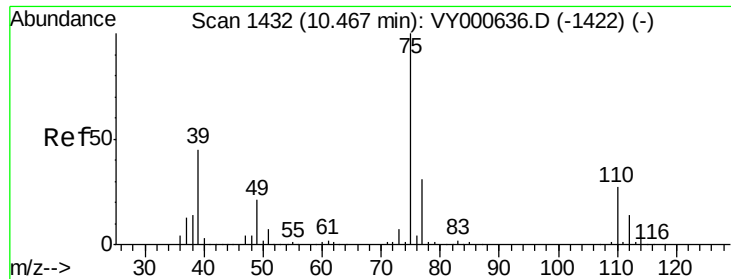
77 47.4 21.3 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#44

trans-1,3-Dichloropropene

Concen: 0.512 ug/L

RT: 10.44 min Scan# 1427

Delta R.T. -0.03 min

Lab File: VY000638.D

Acq: 11 Nov 2019 14:01

Instrument :

MSVOA_Y

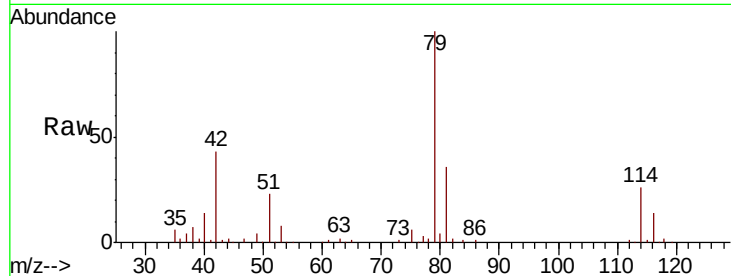
ClientSampleId :

Tot Ion: 75 Resp: 4179

Ion Ratio Lower Upper

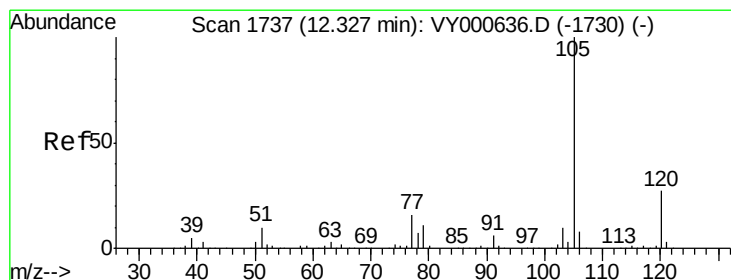
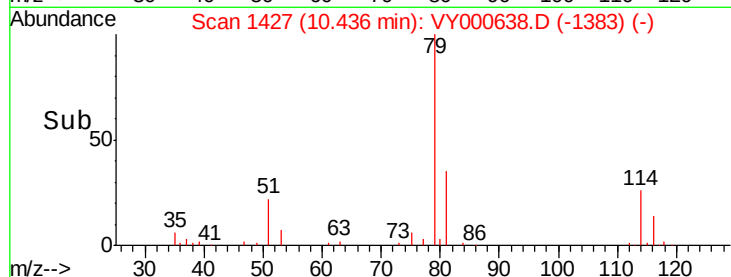
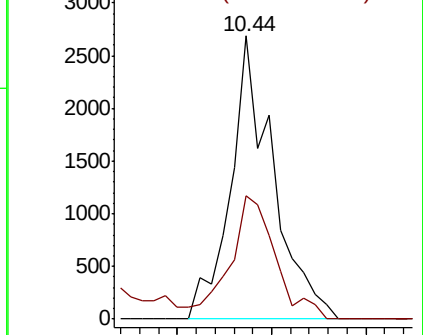
75 100

77 43.4 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#60

Isopropylbenzene

Concen: 0.074 ug/L

RT: 12.32 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VY000638.D

Acq: 11 Nov 2019 14:01

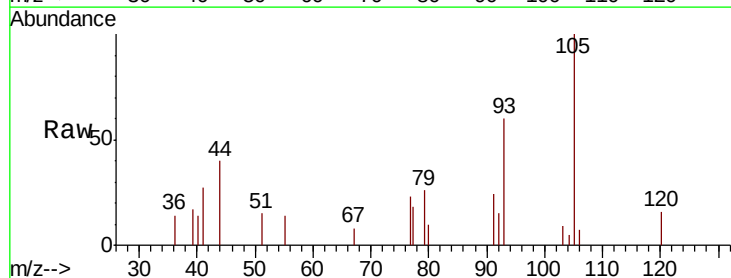
Tgt Ion: 105 Resp: 1862

Ion Ratio Lower Upper

105 100

120 25.5 21.8 32.8

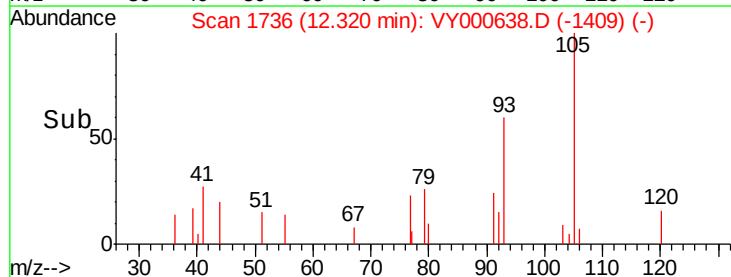
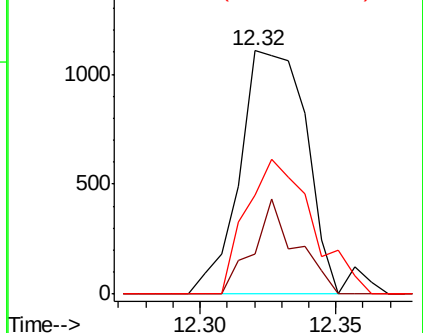
77 55.8 12.6 19.0#

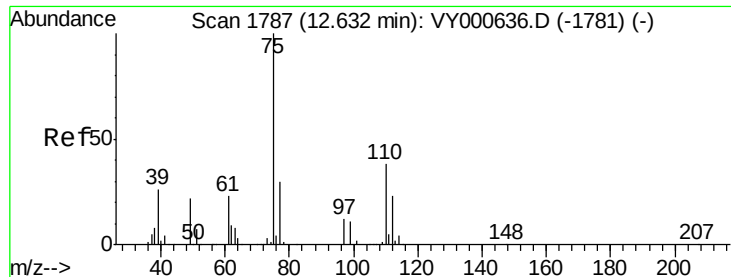


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0

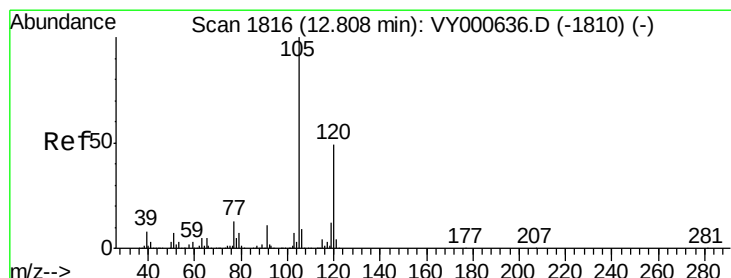
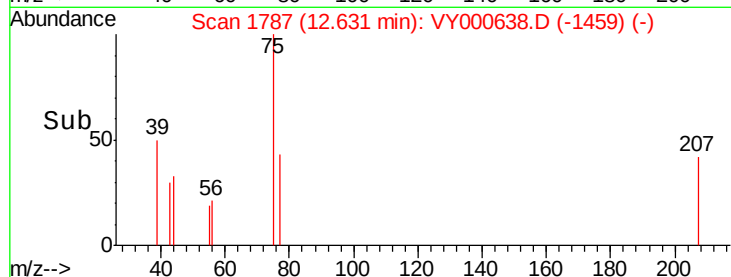
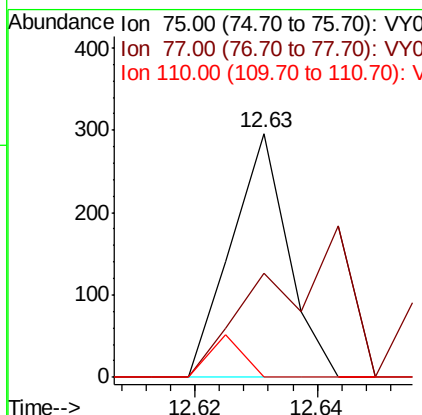
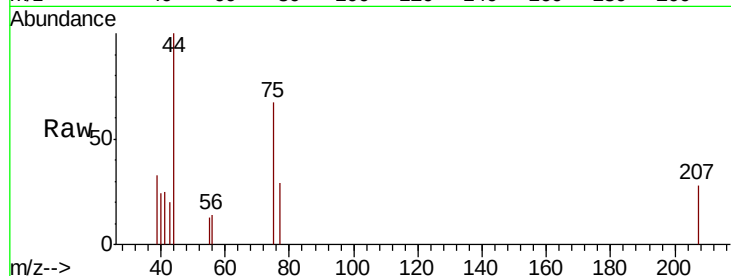




#61
 1,2,3-Trichloropropane
 Concen: 0.038 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: VY000638.D
 Acq: 11 Nov 2019 14:01

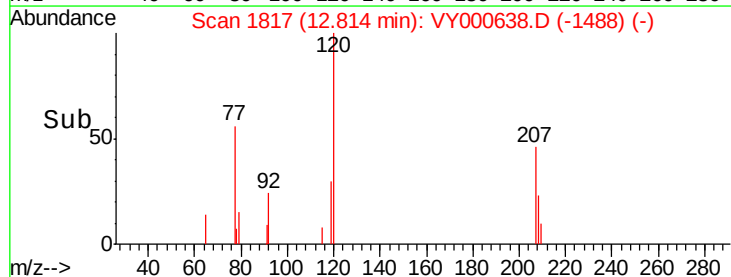
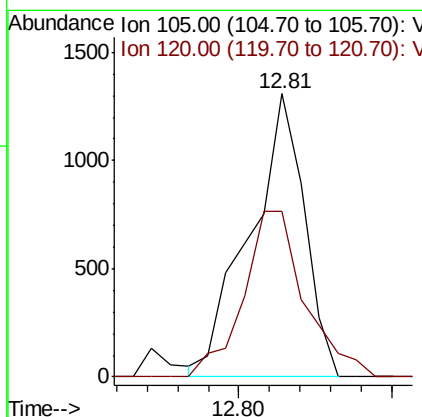
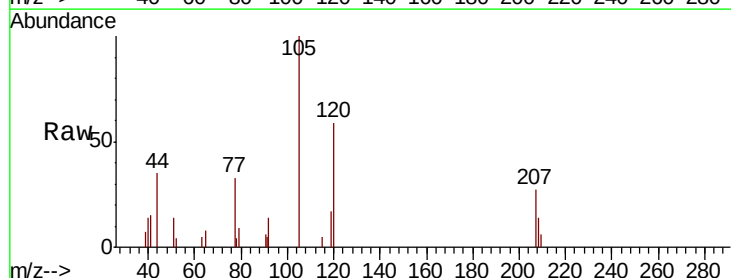
Instrument :
 MSVOA_Y
 ClientSampleId :

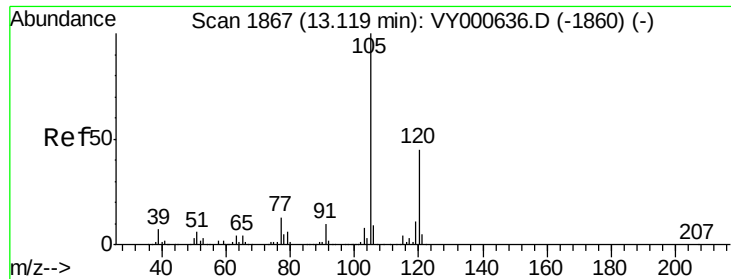
Tot Ion: 75 Resp: 189
 Ion Ratio Lower Upper
 75 100
 77 51.3 25.4 38.0#
 110 0.0 33.0 49.4#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.079 ug/L
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: VY000638.D
 Acq: 11 Nov 2019 14:01

Tgt Ion: 105 Resp: 1622
 Ion Ratio Lower Upper
 105 100
 120 66.2 25.9 38.9#





#63

1,2,4-Trimethylbenzene

Concen: 0.104 ug/L

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY000638.D

Acq: 11 Nov 2019 14:01

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:105 Resp: 2114

Ion Ratio Lower Upper

105 100

120 52.6 40.3 60.5

