

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093019\
 Data File : VV013020.D
 Acq On : 30 Sep 2019 14:46
 Operator : SY/MD
 Sample : VV0930SBL01
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 01 12:44:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 30 15:00:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	872894	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	837098	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	413248	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	273560	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.64%
7) Chloroethane-d5	1.58	69	234669	22.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.64%
11) 1,1-Dichloroethene-d2	2.13	63	359733	16.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.92%
21) 2-Butanone-d5	3.96	46	171838	38.97	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.94%
24) Chloroform-d	4.40	84	471191	20.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.16%
26) 1,2-Dichloroethane-d4	5.08	65	274480	20.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.08%
32) Benzene-d6	5.09	84	1015561	21.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.96%
36) 1,2-Dichloropropane-d6	6.11	67	313945	21.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.76%
41) Toluene-d8	7.36	98	911608	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.48%
43) trans-1,3-Dichloropropene-	7.66	79	124205	20.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.80%
47) 2-Hexanone-d5	8.13	63	118137	38.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.42%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	263108	19.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.72%
66) 1,2-Dichlorobenzene-d4	11.67	152	355586	22.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.24%

Target Compounds

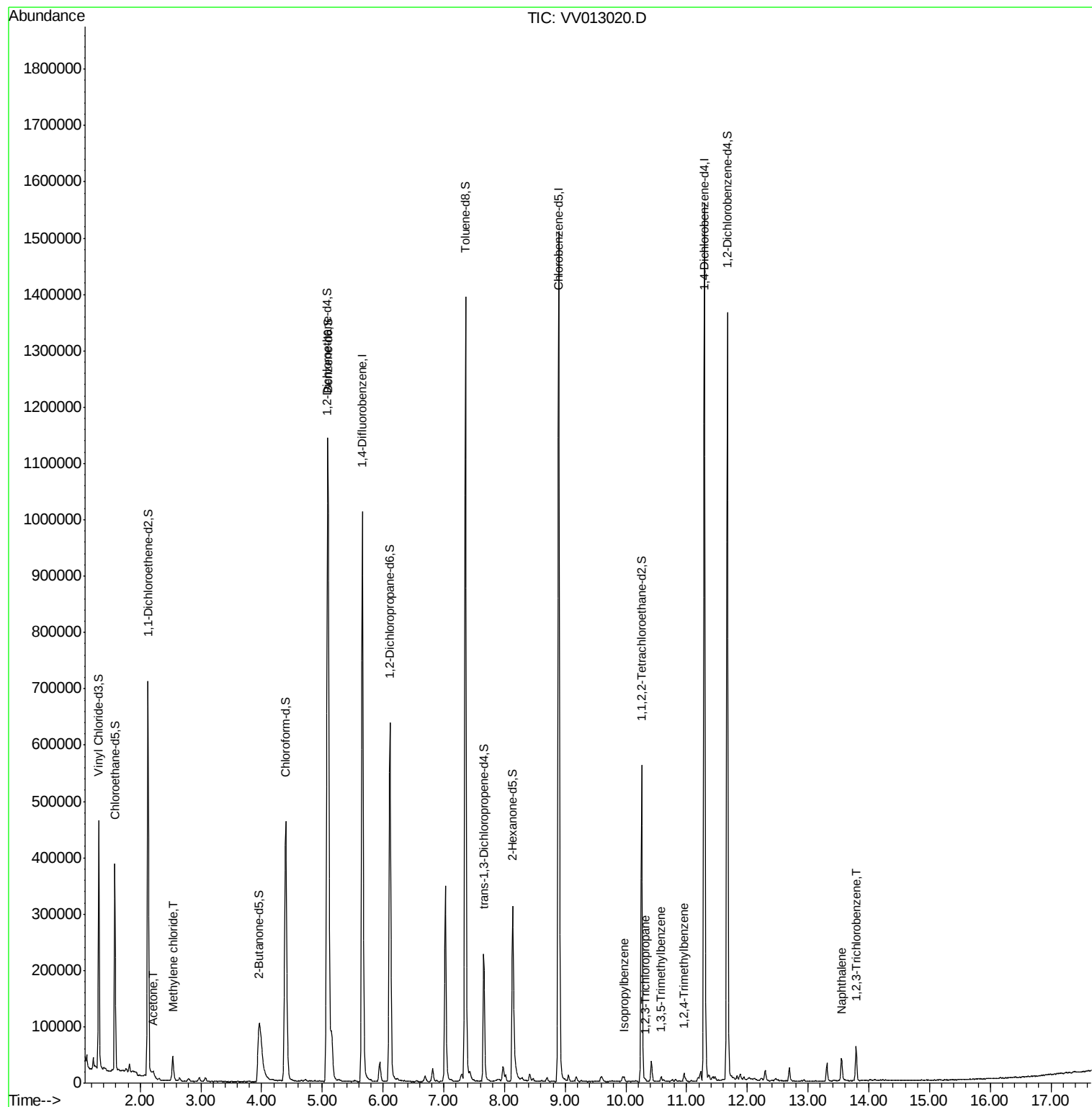
					Ovalue
13) Acetone	2.22	43	9955	2.142 ug/L	77
16) Methylene chloride	2.54	84	16797	1.175 ug/L	96
60) Isopropylbenzene	9.97	105	4886	0.098 ug/L #	90
61) 1,2,3-Trichloropropane	10.32	75	1654	0.176 ug/L #	71
62) 1,3,5-Trimethylbenzene	10.58	105	5123	0.128 ug/L	91
63) 1,2,4-Trimethylbenzene	10.96	105	5889	0.146 ug/L	98
71) Naphthalene	13.55	128	34186	0.964 ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	11890	0.677 ug/L	96

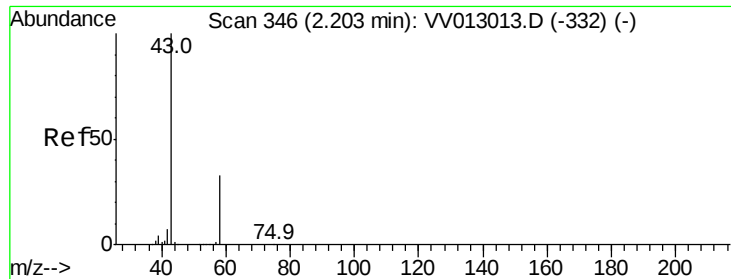
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 30 15:00:00 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.142 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.02 min

Lab File: VV013020.D

Acq: 30 Sep 2019 14:46

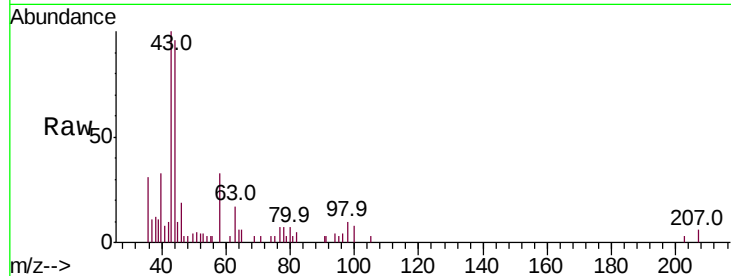
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 9955

Ion Ratio Lower Upper

43 100

58 19.5 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV013013.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV013013.D (-332) (-)

2.22

4000

3000

2000

1000

0

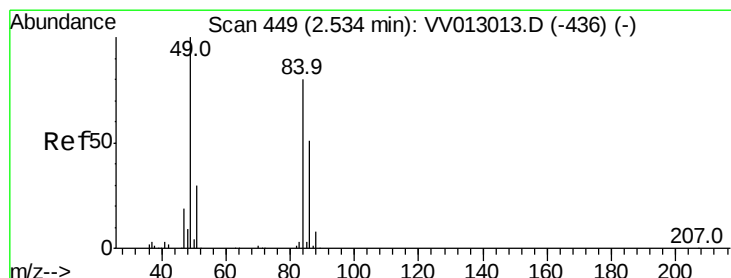
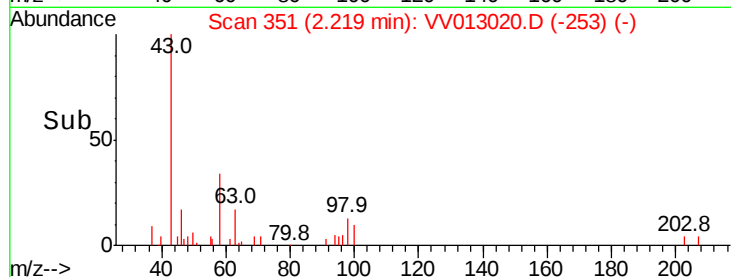
Time-->

2.15

2.20

2.25

2.30



#16

Methylene chloride

Concen: 1.175 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV013020.D

Acq: 30 Sep 2019 14:46

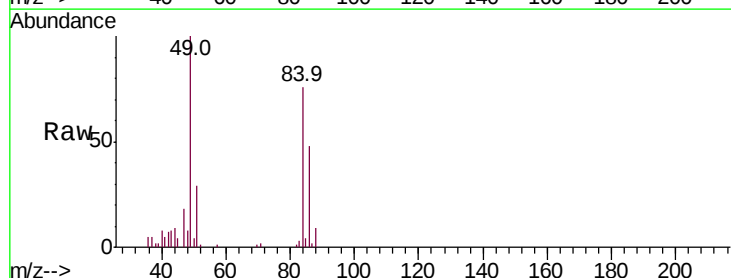
Tgt Ion: 84 Resp: 16797

Ion Ratio Lower Upper

84 100

86 63.2 44.5 82.7

49 131.0 87.5 162.5



Abundance Ion 84.00 (83.70 to 84.70): VV013013.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV013013.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV013013.D (-436) (-)

15000

10000

5000

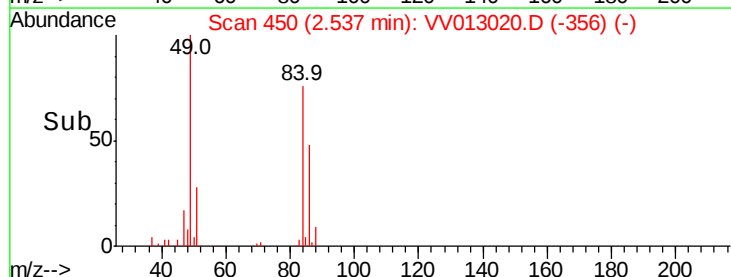
0

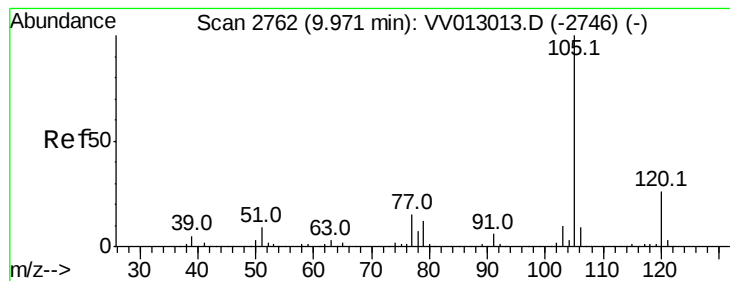
Time-->

2.50

2.55

2.60





#60

Isopropylbenzene

Concen: 0.098 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV013020.D

Acq: 30 Sep 2019 14:46

Instrument :

MSVOA_V

ClientSampleId :

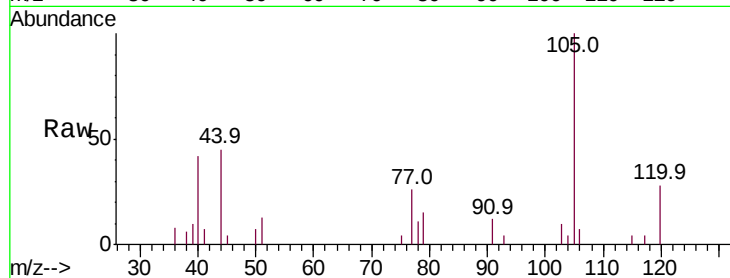
Tot Ion:105 Resp: 4886

Ion Ratio Lower Upper

105 100

120 20.8 21.1 31.7#

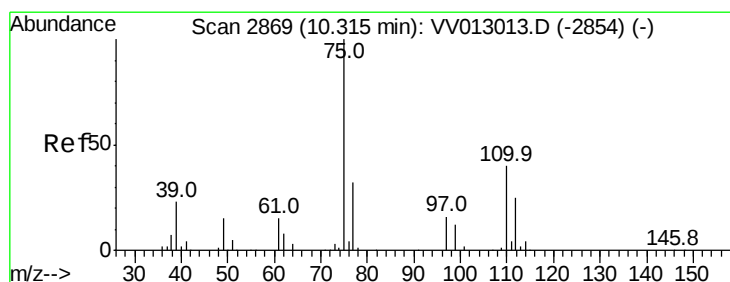
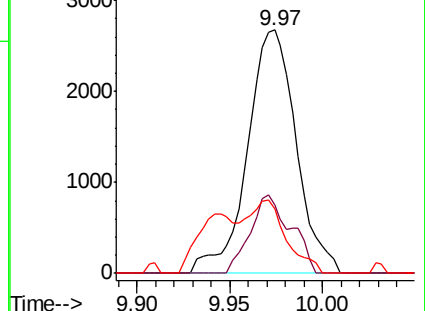
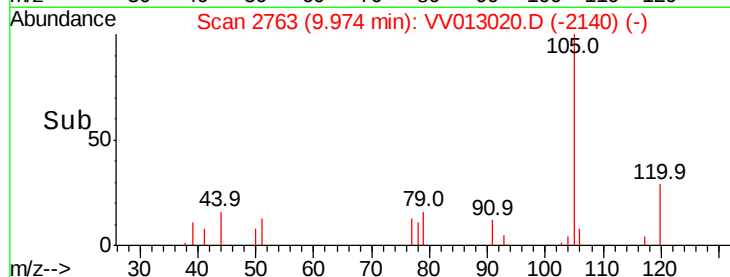
77 19.0 12.3 18.5#



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): V



#61

1,2,3-Trichloropropane

Concen: 0.176 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV013020.D

Acq: 30 Sep 2019 14:46

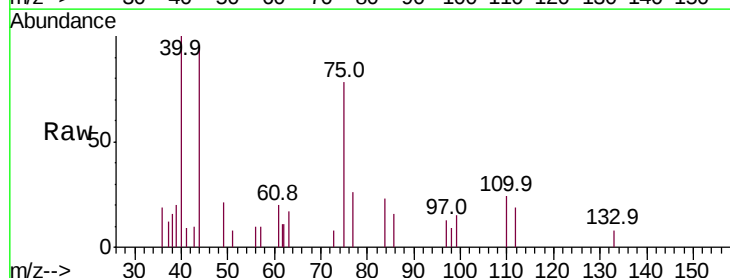
Tgt Ion: 75 Resp: 1654

Ion Ratio Lower Upper

75 100

77 6.3 25.4 38.2#

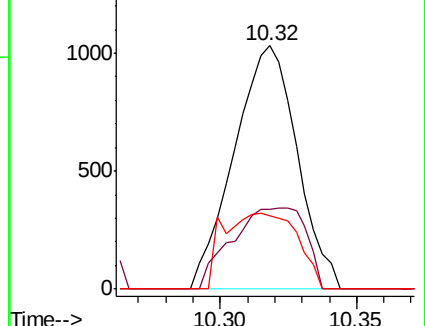
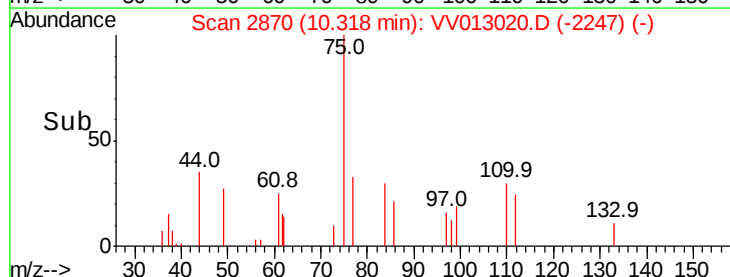
110 30.4 31.7 47.5#

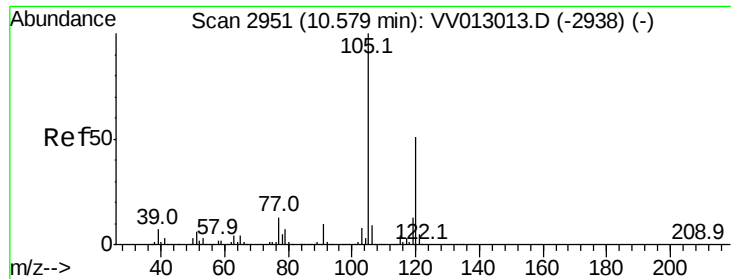


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.128 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV013020.D

Acq: 30 Sep 2019 14:46

Instrument :

MSVOA_V

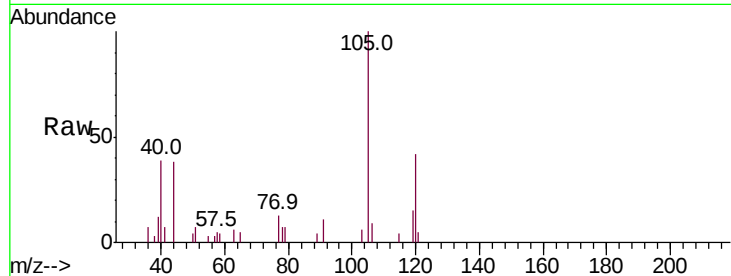
ClientSampleId :

Tot Ion:105 Resp: 5123

Ion Ratio Lower Upper

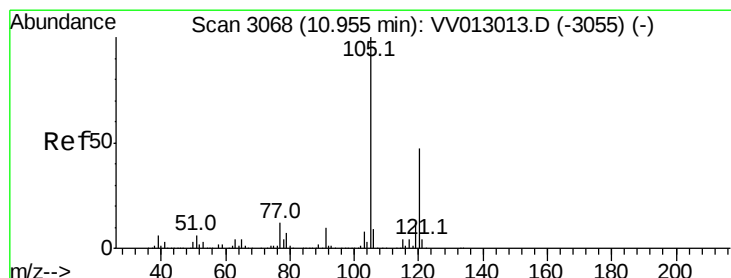
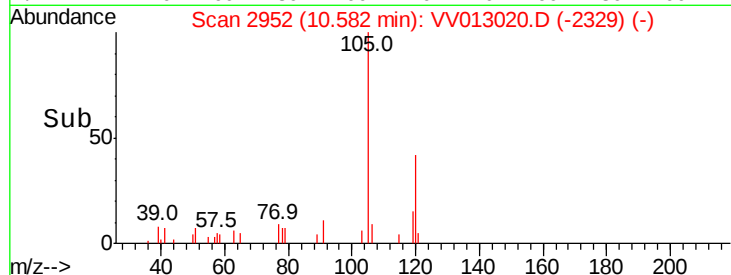
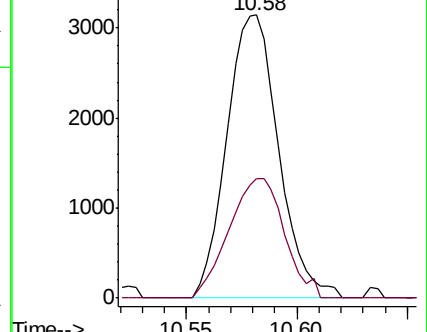
105 100

120 44.4 40.6 61.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.146 ug/L

RT: 10.96 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VV013020.D

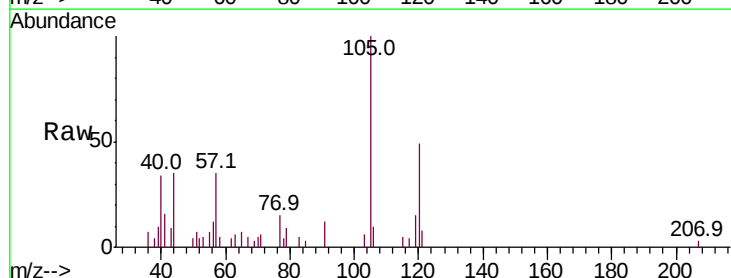
Acq: 30 Sep 2019 14:46

Tgt Ion:105 Resp: 5889

Ion Ratio Lower Upper

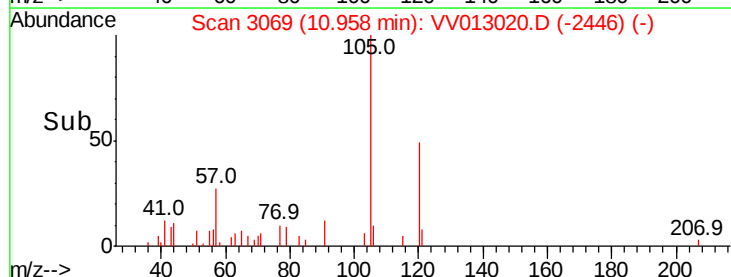
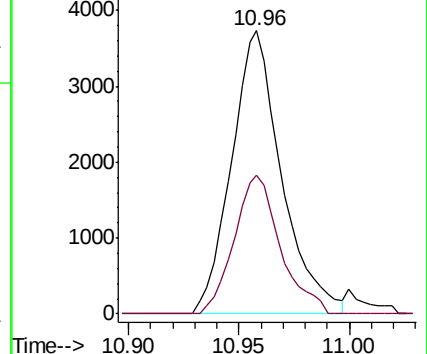
105 100

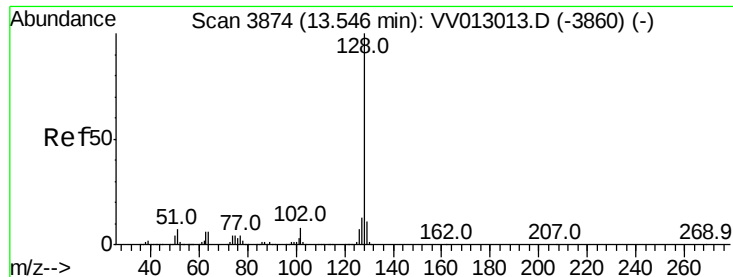
120 45.0 37.1 55.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

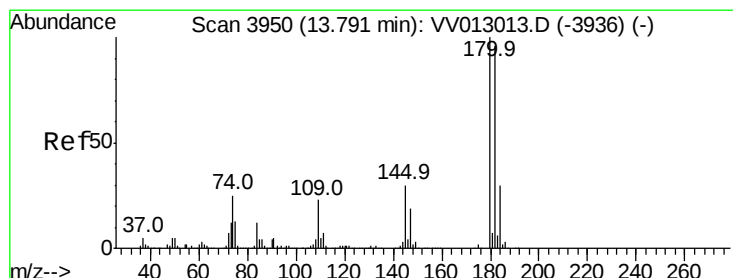
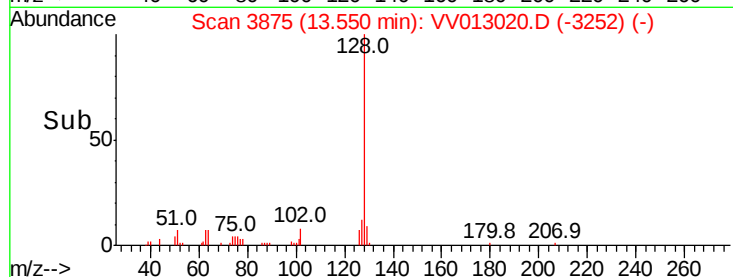
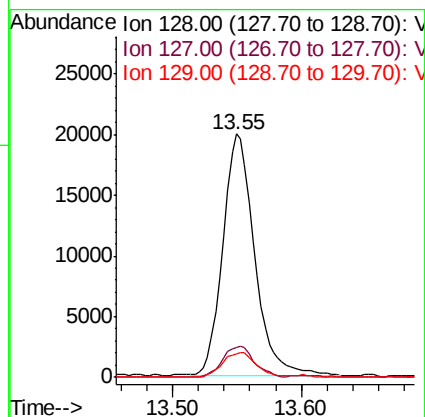
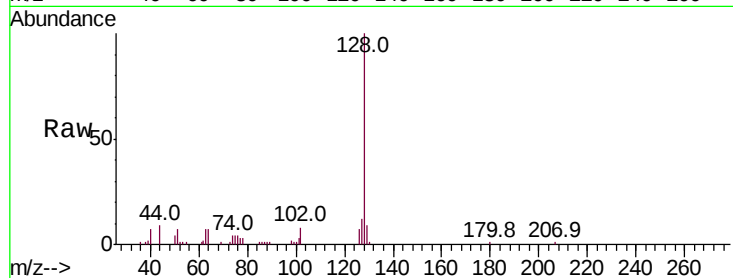




#71
Naphthalene
Concen: 0.964 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV013020.D
Acq: 30 Sep 2019 14:46

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:128 Resp: 34186
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.8 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 0.677 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VV013020.D
Acq: 30 Sep 2019 14:46

Tgt Ion:180 Resp: 11890
Ion Ratio Lower Upper
180 100
182 91.6 76.7 115.1
145 32.0 24.2 36.4

