

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101419\
 Data File : VV013150.D
 Acq On : 14 Oct 2019 18:53
 Operator : SY/MD
 Sample : K5191-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF6L0

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 10:47:56 AM

Quant Time: Oct 15 07:13:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 15 05:07:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	724607	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	693846	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	323112	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	176948	38.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.26%
7) Chloroethane-d5	1.58	69	163093	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.88%
11) 1,1-Dichloroethene-d2	2.13	63	246905	28.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.16%#
21) 2-Butanone-d5	3.97	46	339113	98.47	ug/L	0.05
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.47%
24) Chloroform-d	4.40	84	292841	33.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.42%#
26) 1,2-Dichloroethane-d4	5.08	65	268789	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.90%
32) Benzene-d6	5.10	84	857005	46.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.12	67	278157	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.92%
41) Toluene-d8	7.36	98	712376	43.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.66	79	108573	41.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.64%
47) 2-Hexanone-d5	8.14	63	194726	84.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	149748	20.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	40.02%#
64) 1,2-Dichlorobenzene-d4	11.67	152	312344	49.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.23	43	15729m	4.974	ug/L	
16) Methylene chloride	2.53	84	107001	20.013	ug/L	97
25) Chloroform	4.43	83	126517	13.655	ug/L	97
42) Toluene	7.43	91	142247	6.538	ug/L	98
52) Ethylbenzene	9.05	91	62249	2.679	ug/L	100
53) m,p-Xylene	9.18	106	100238	11.465	ug/L	99
54) o-xylene	9.59	106	70814	8.084	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	23707	2.229	ug/L	98
69) Naphthalene	13.55	128	379252	21.539	ug/L	100

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

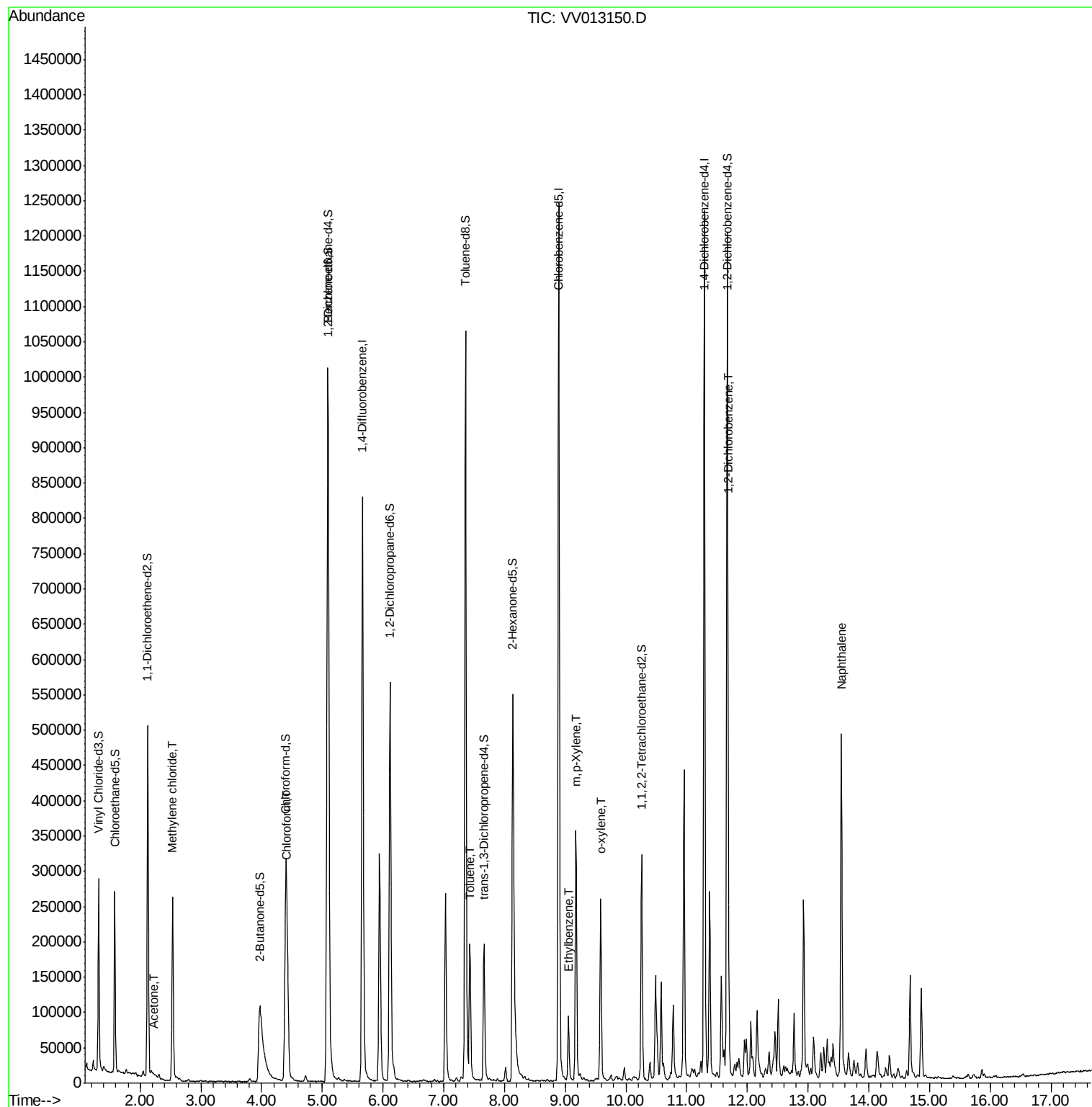
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV101419\
Data File : VV013150.D
Acq On : 14 Oct 2019 18:53
Operator : SY/MD
Sample : K5191-03
Misc : 5.0mL/MSVOA V/WATER
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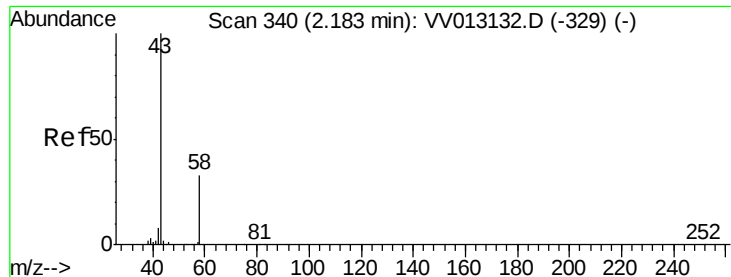
Instrument :
MSVOA_V
ClientSampleId :
BF6L0

Manual Integrations
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Quant Time: Oct 15 07:13:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 15 05:07:22 2019
Response via : Initial Calibration





#13

Acetone

Concen: 4.974 ug/L m

RT: 2.23 min Scan# 355

Delta R.T. 0.05 min

Lab File: VV013150.D

Acq: 14 Oct 2019 18:53

Instrument :

MSVOA_V

ClientSampled :

BF6L0

Tot Ion: 43 Resp: 15729

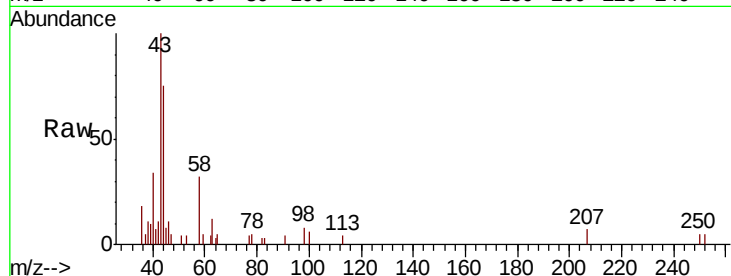
Ion Ratio Lower Upper

43 100

58 0.5 0.0 66.2

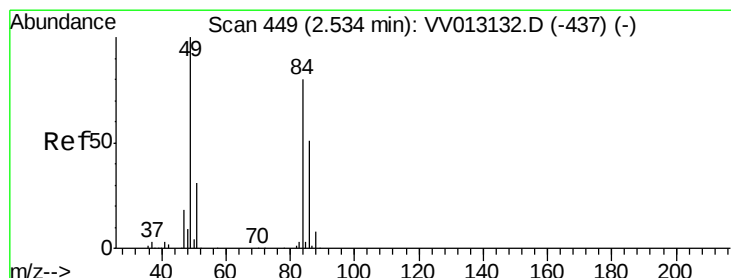
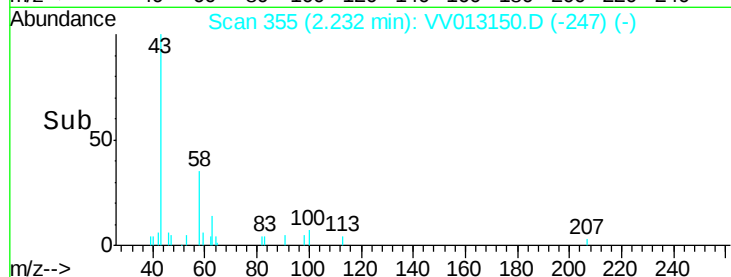
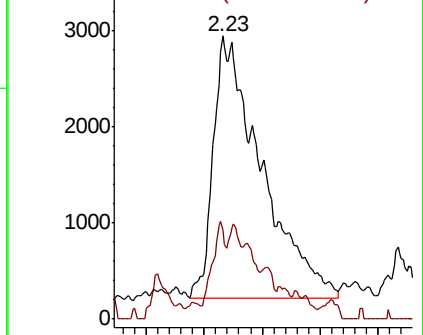
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Abundance Ion 43.00 (42.70 to 43.70): VV013150.D (-247) (-)

Ion 58.00 (57.70 to 58.70): VV013150.D (-247) (-)



#16

Methylene chloride

Concen: 20.013 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013150.D

Acq: 14 Oct 2019 18:53

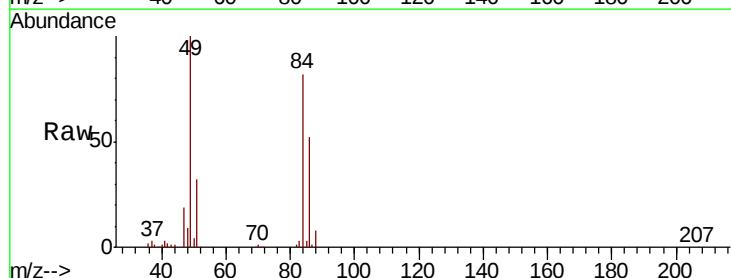
Tgt Ion: 84 Resp: 107001

Ion Ratio Lower Upper

84 100

86 63.7 45.1 83.9

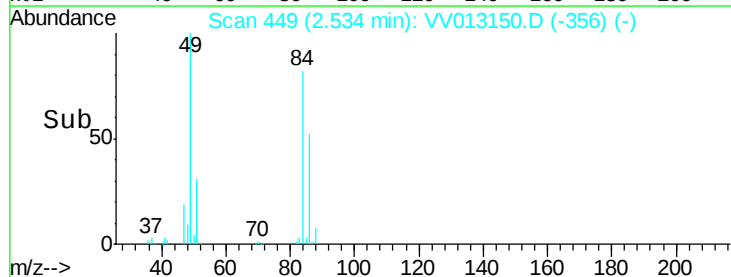
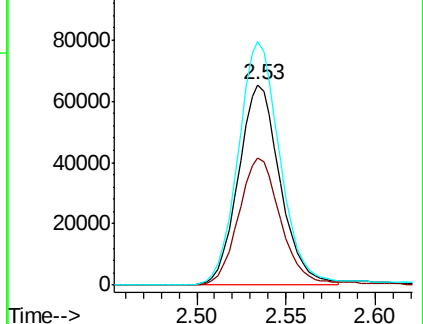
49 121.6 87.8 163.0

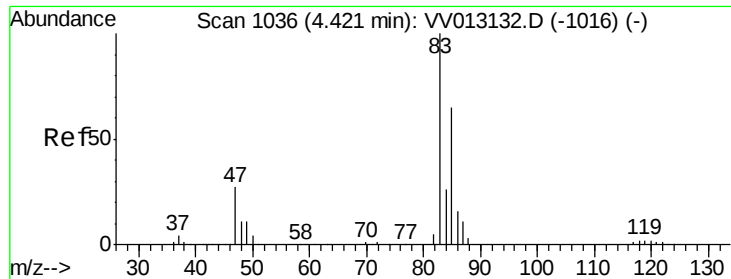


Abundance Ion 84.00 (83.70 to 84.70): VV013150.D (-356) (-)

Ion 86.00 (85.70 to 86.70): VV013150.D (-356) (-)

Ion 49.00 (48.70 to 49.70): VV013150.D (-356) (-)





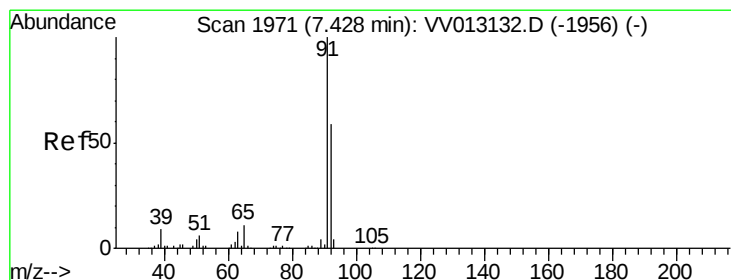
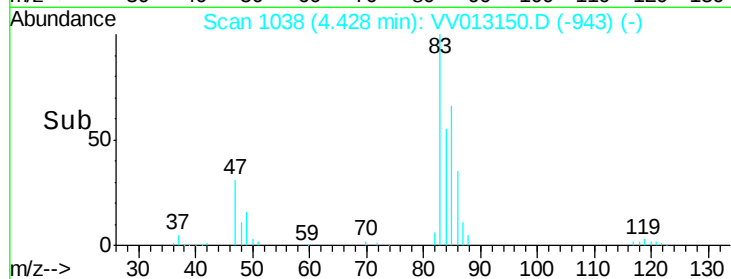
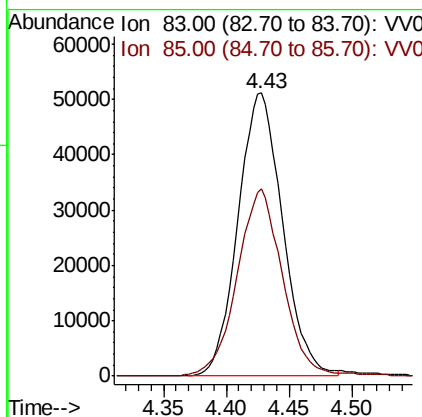
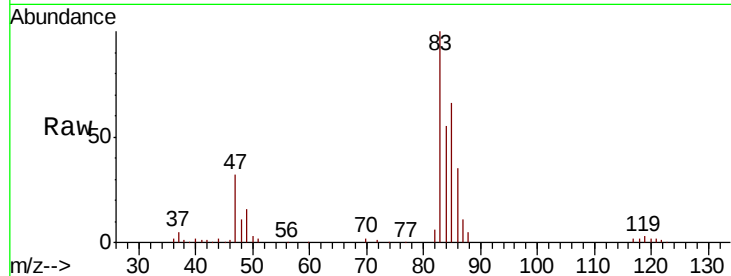
#25
Chloroform
Concen: 13.655 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013150.D
Acq: 14 Oct 2019 18:53

Instrument :
MSVOA_V
ClientSampled :
BF6L0

Tot Ion	83	Resp	126517
Ion Ratio	100	Lower	Upper
83	100		
85	66.2	44.7	82.9

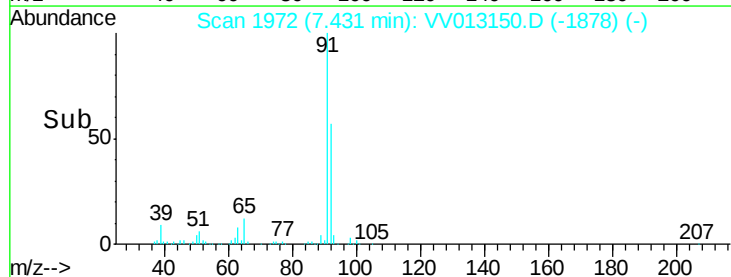
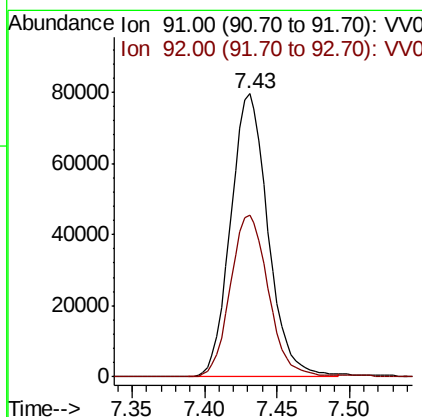
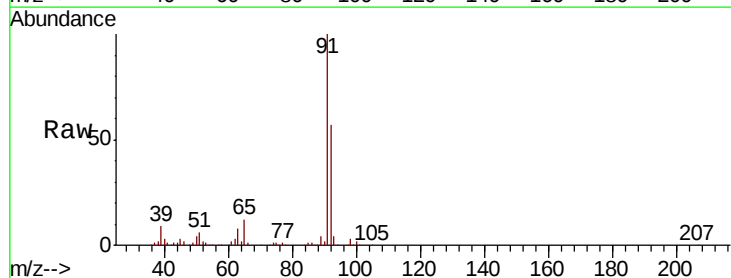
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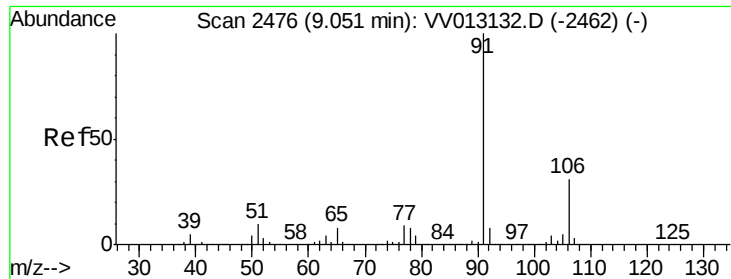
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#42
Toluene
Concen: 6.538 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV013150.D
Acq: 14 Oct 2019 18:53

Tgt Ion	91	Resp	142247
Ion Ratio	100	Lower	Upper
91	100		
92	57.2	40.8	75.8





#52

Ethylbenzene

Concen: 2.679 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013150.D

Acq: 14 Oct 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

BF6L0

Tot Ion: 91 Resp: 62249

Ion Ratio Lower Upper

91 100

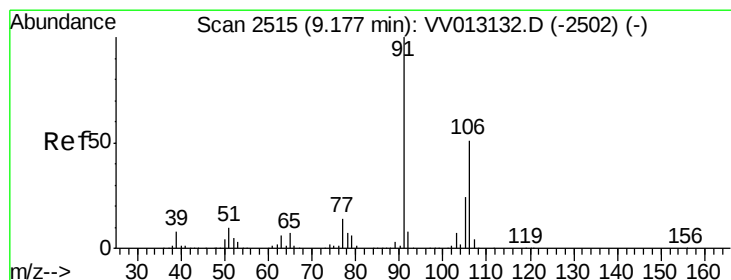
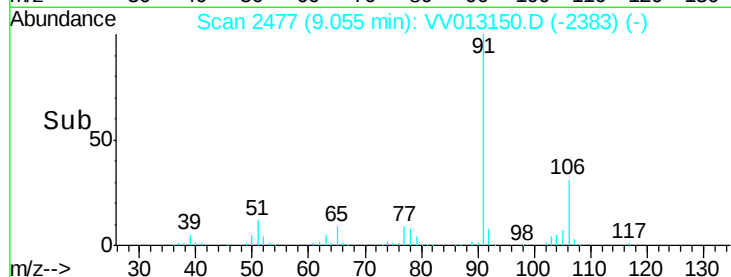
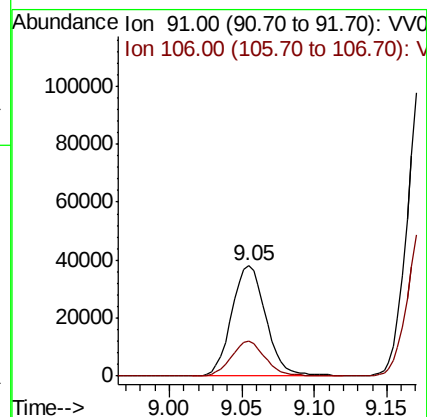
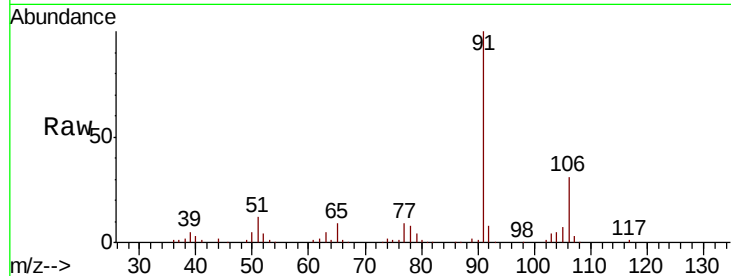
106 31.3 21.8 40.4

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#53

m,p-Xylene

Concen: 11.465 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013150.D

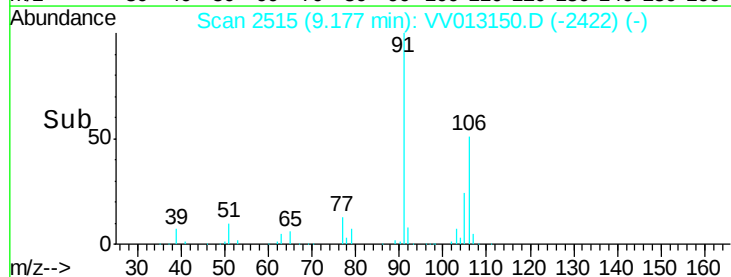
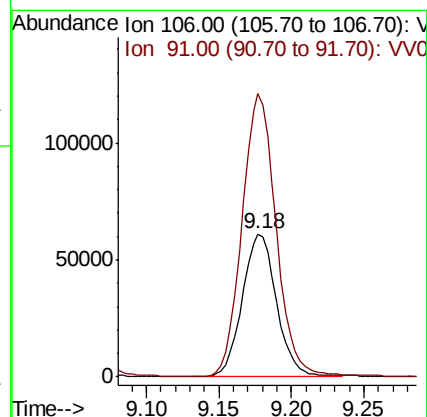
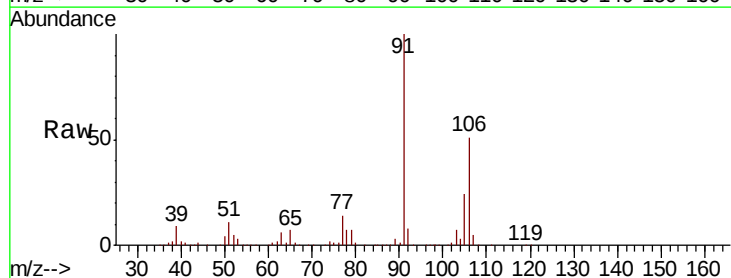
Acq: 14 Oct 2019 18:53

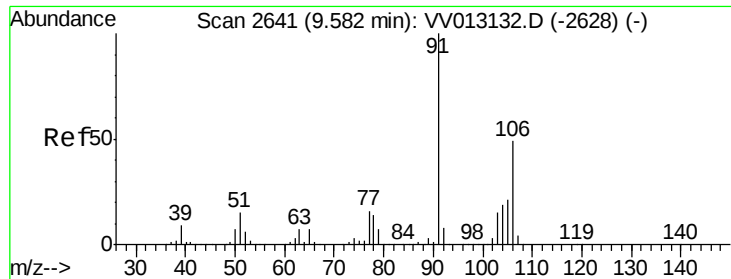
Tgt Ion: 106 Resp: 100238

Ion Ratio Lower Upper

106 100

91 197.9 137.8 255.8





#54

o-xylene

Concen: 8.084 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013150.D

Acq: 14 Oct 2019 18:53

Instrument :

MSVOA_V

ClientSampleID :

BF6L0

Tot Ion:106 Resp: 70814

Ion Ratio Lower Upper

106 100

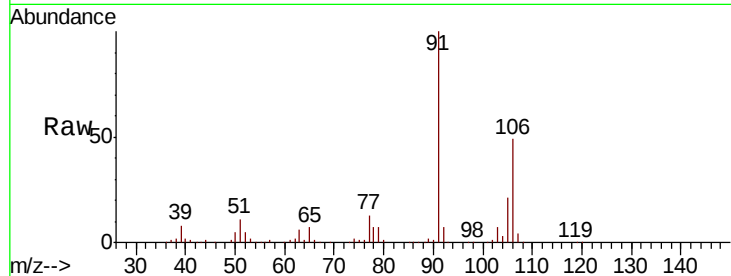
91 204.5 147.6 274.2

Manual Integrations

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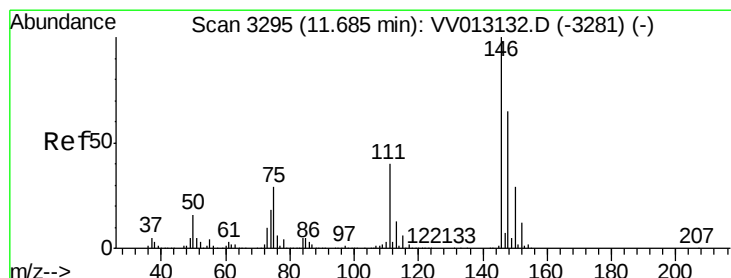
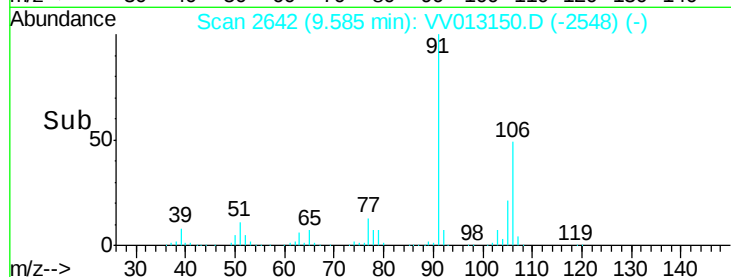
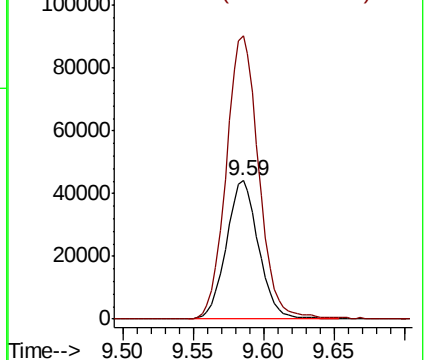
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#65

1,2-Dichlorobenzene

Concen: 2.229 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV013150.D

Acq: 14 Oct 2019 18:53

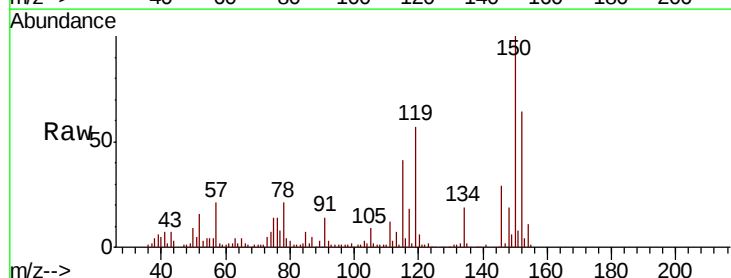
Tgt Ion:146 Resp: 23707

Ion Ratio Lower Upper

146 100

111 41.4 32.2 48.2

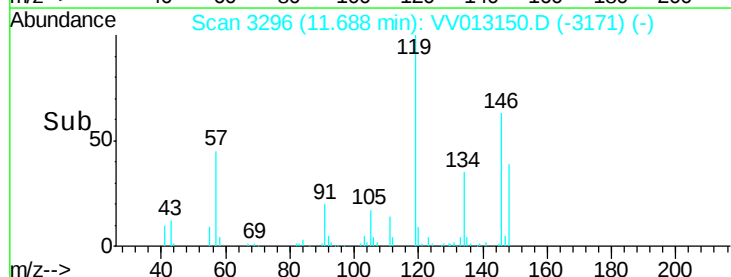
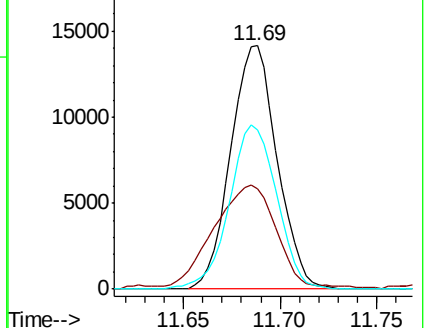
148 65.3 50.6 76.0

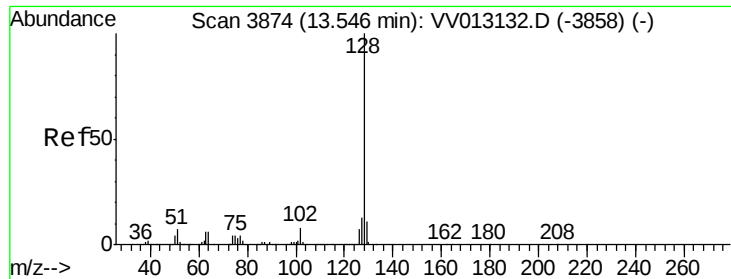


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69
Naphthalene
Concen: 21.539 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV013150.D
Acq: 14 Oct 2019 18:53

Instrument :
MSVOA_V
ClientSampleId :
BF6L0

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.2	8.6	13.0

Manual Integrations
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10/15/2019 10:47:56 AM

