

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071819\
 Data File : VU033310.D
 Acq On : 18 Jul 2019 11:43
 Operator : JC/SP
 Sample : K3828-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAMR0

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 10:56:40 AM

Quant Time: Jul 19 02:24:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 19 01:43:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	337277	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	332062	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	168748	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	146265	57.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	114.58%
7) Chloroethane-d5	1.67	69	123752	56.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.48%
11) 1,1-Dichloroethene-d2	2.25	63	208790	45.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.16%
21) 2-Butanone-d5	4.15	46	191267	118.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.23%
24) Chloroform-d	4.62	84	223861	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.64%
26) 1,2-Dichloroethane-d4	5.29	65	147703	53.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.64%
32) Benzene-d6	5.32	84	469368	57.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.24%
36) 1,2-Dichloropropane-d6	6.31	67	149103	57.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.28%
41) Toluene-d8	7.55	98	436952	56.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.76%
43) trans-1,3-Dichloropropene-	7.83	79	74352	58.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	116.22%
47) 2-Hexanone-d5	8.29	63	147800	125.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.64%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	213535	54.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.14%
64) 1,2-Dichlorobenzene-d4	11.85	152	175622	58.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	23441	11.597	ug/L	100
16) Methylene chloride	2.68	84	3759	1.462	ug/L	# 71
22) 2-Butanone	4.25	43	5572m	2.482	ug/L	
29) Cyclohexane	4.97	56	64827	17.916	ug/L	95
35) Methylcyclohexane	6.40	83	99077	25.538	ug/L	92
52) Ethylbenzene	9.23	91	192429	17.225	ug/L	99
53) m,p-Xylene	9.36	106	114915	27.157	ug/L	99
56) Isopropylbenzene	10.15	105	69115	6.392	ug/L	98

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

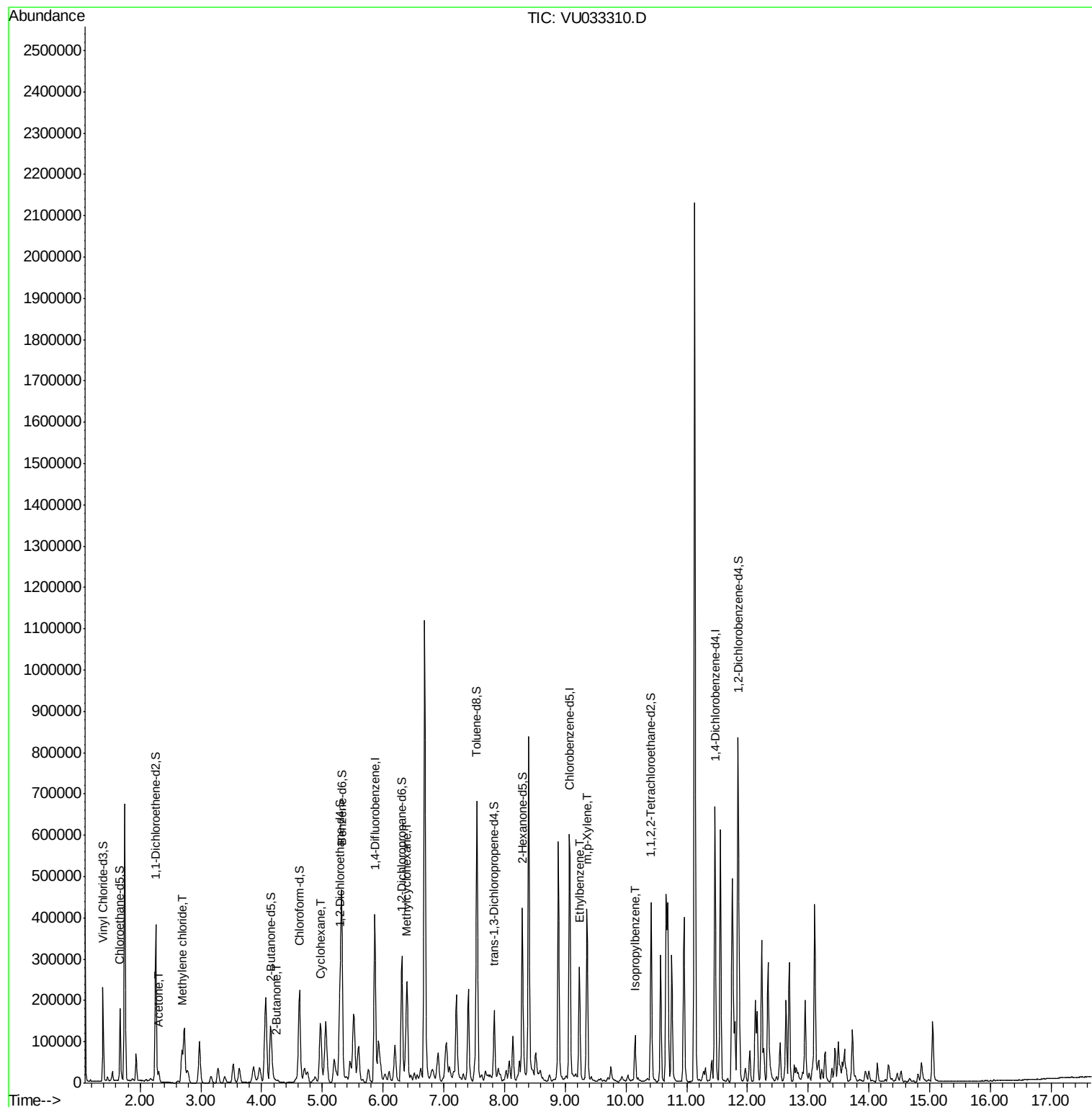
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

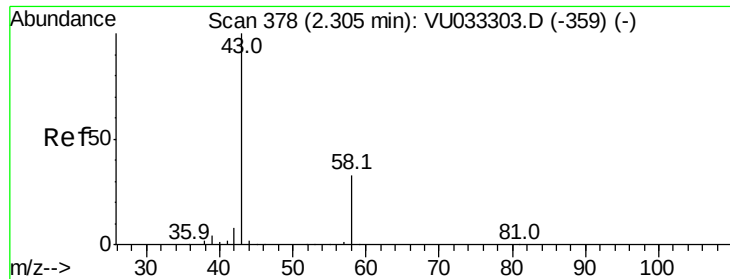
Instrument :
MSVOA_U
ClientSampleId :
GAMR0

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Quant Time: Jul 19 02:24:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration





#13

Acetone

Concen: 11.597 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033310.D

Acq: 18 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

GAMR0

Tot Ion: 43 Resp: 23441

Ion Ratio Lower Upper

43 100

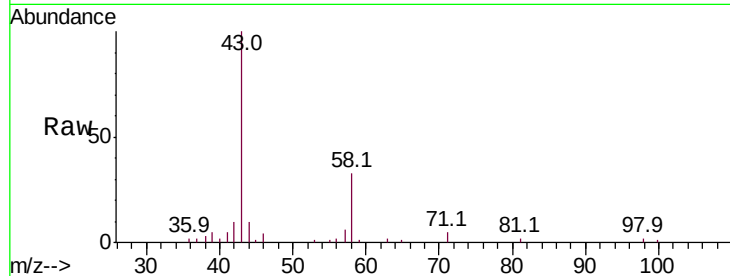
58 32.6 0.0 65.4

Manual Integrations

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7/19/2019 10:56:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VU033310.D (-285) (-)

Ion 58.00 (57.70 to 58.70): VU033310.D (-285) (-)

2.31

15000

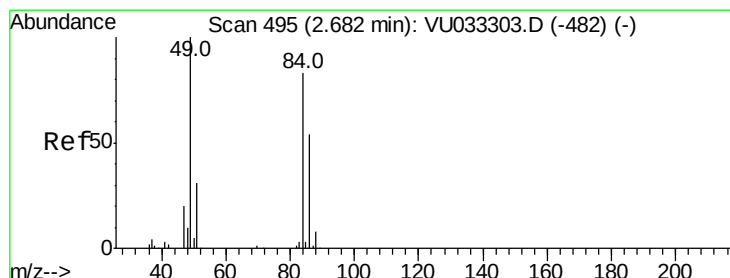
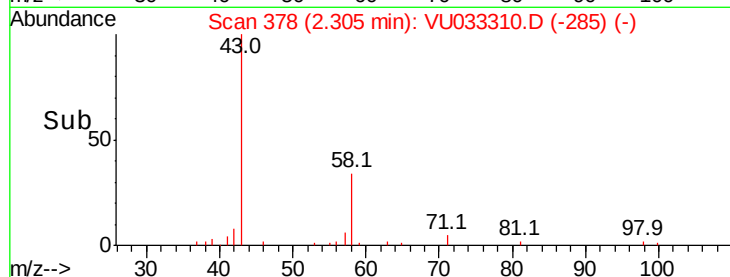
10000

5000

0

2.25 2.30 2.35

Time-->



#16

Methylene chloride

Concen: 1.462 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU033310.D

Acq: 18 Jul 2019 11:43

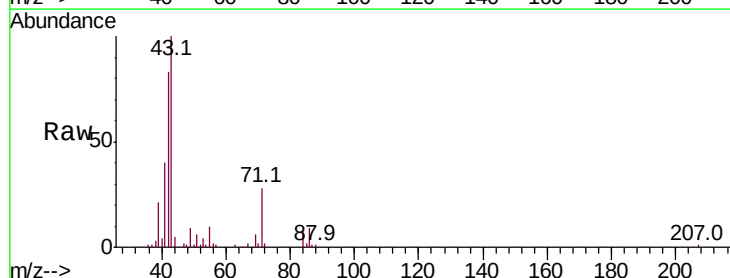
Tgt Ion: 84 Resp: 3759

Ion Ratio Lower Upper

84 100

86 112.5 45.7 84.9#

49 110.4 87.7 162.9



Abundance Ion 84.00 (83.70 to 84.70): VU033310.D (-402) (-)

Ion 86.00 (85.70 to 86.70): VU033310.D (-402) (-)

Ion 49.00 (48.70 to 49.70): VU033310.D (-402) (-)

2.68

2500

2000

1500

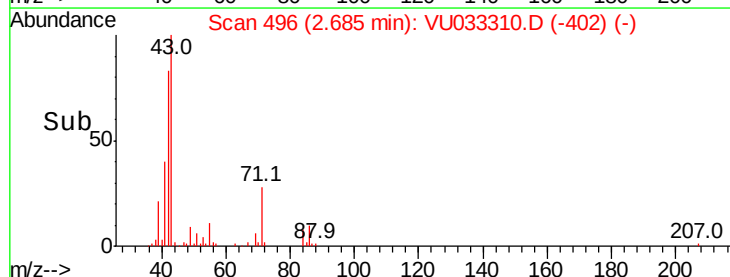
1000

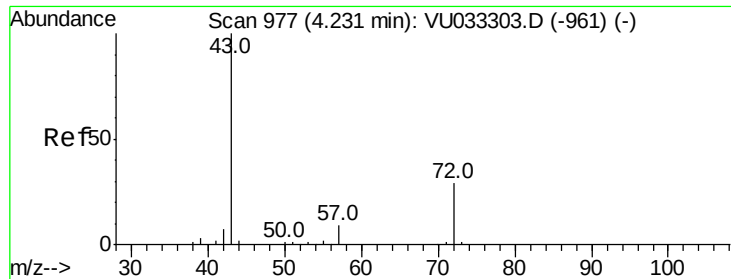
500

0

2.65 2.70

Time-->





#22

2-Butanone

Concen: 2.482 ug/L m

RT: 4.25 min Scan# 982

Delta R.T. 0.02 min

Lab File: VU033310.D

Acq: 18 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampled :

GAMR0

Tot Ion: 43 Resp: 5572

Ion Ratio Lower Upper

43 100

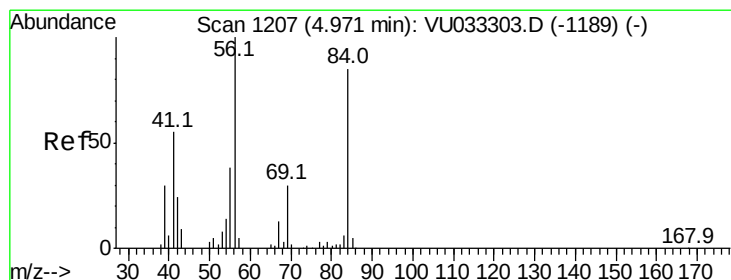
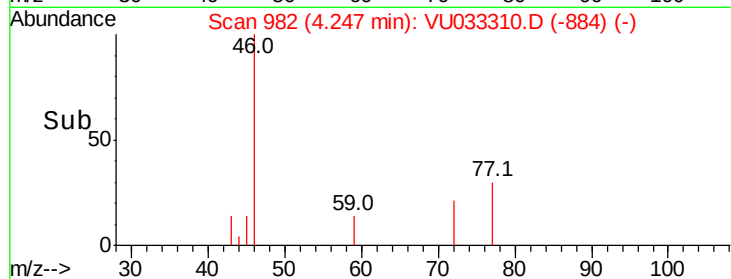
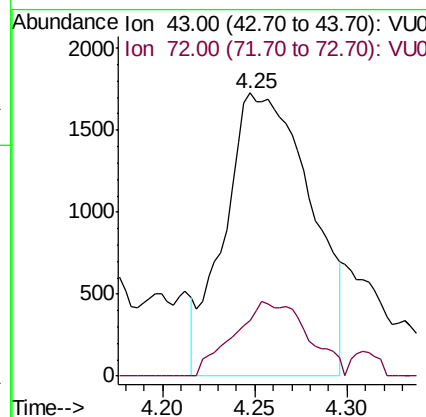
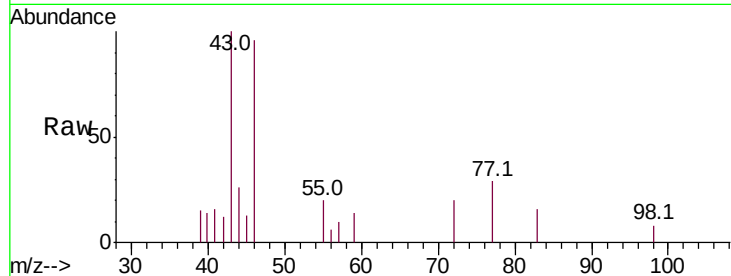
72 12.7 14.4 43.2#

Manual Integrations

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#29

Cyclohexane

Concen: 17.916 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU033310.D

Acq: 18 Jul 2019 11:43

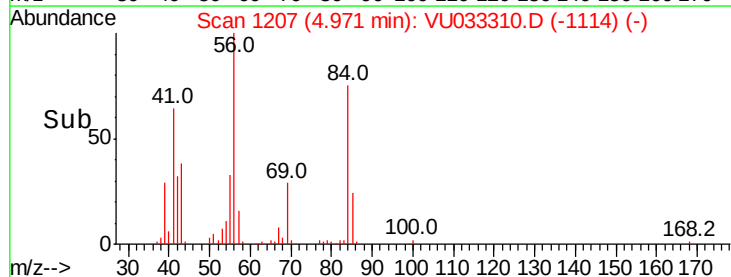
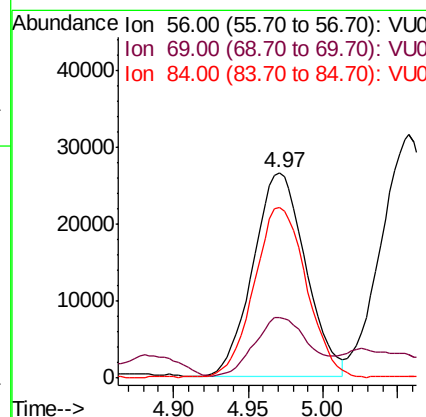
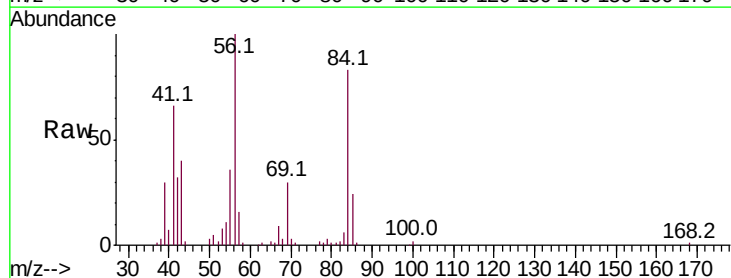
Tgt Ion: 56 Resp: 64827

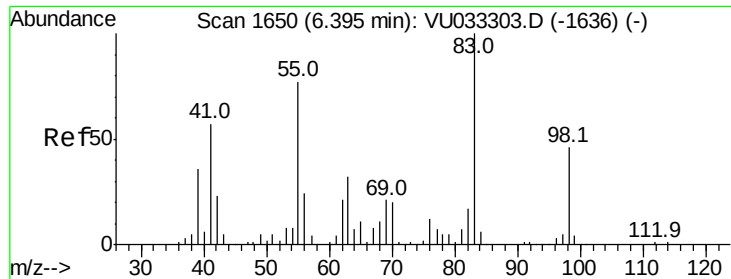
Ion Ratio Lower Upper

56 100

69 29.0 24.7 37.1

84 82.5 70.2 105.2





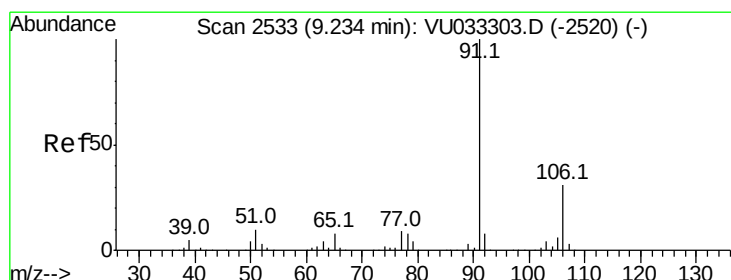
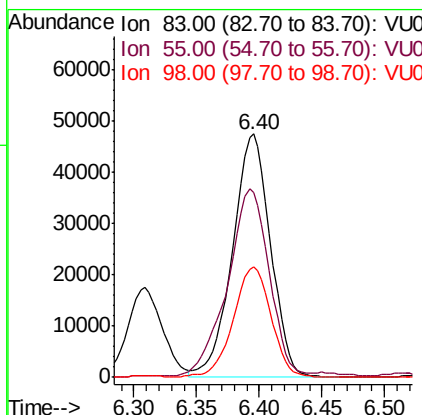
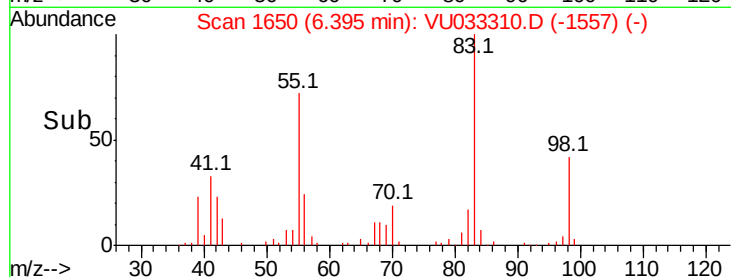
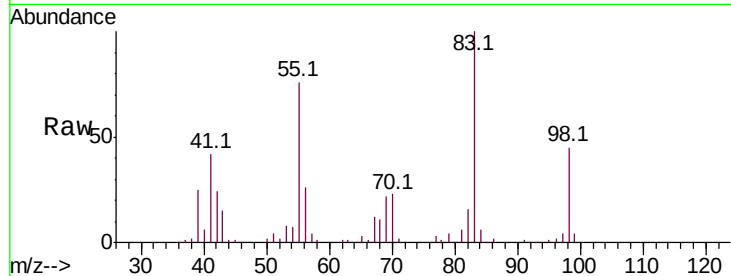
#35
Methylvlcyclohexane
Concen: 25.538 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampled :
GAMR0

Tot Ion	83	Resp	99077
Ion Ratio	100	Lower	Upper
83	100		
55	84.9	60.5	90.7
98	45.1	37.4	56.0

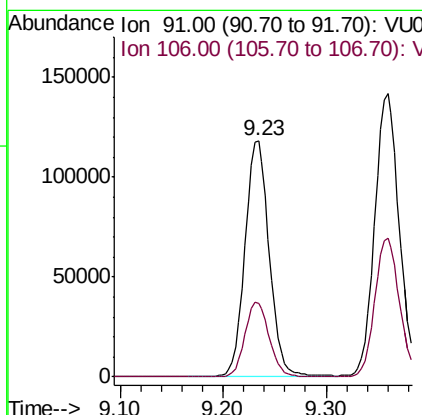
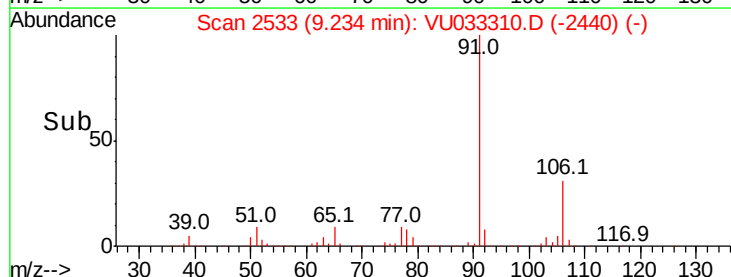
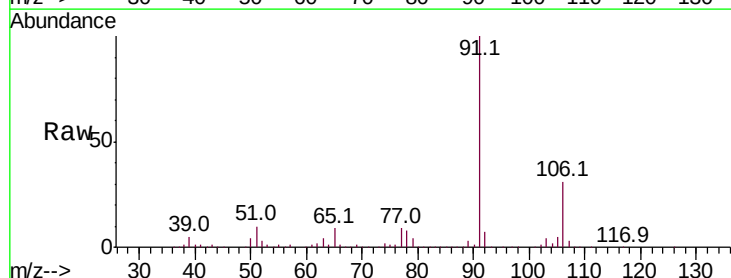
Manual Integrations
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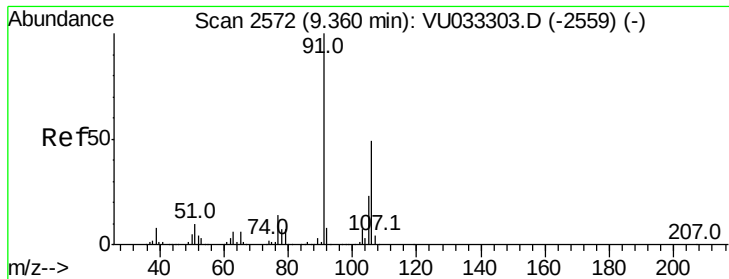
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7/19/2019 10:56:40 AM



#52
Ethylbenzene
Concen: 17.225 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Tgt Ion	91	Resp	192429
Ion Ratio	100	Lower	Upper
91	100		
106	31.4	22.2	41.2





#53

m,p-Xylene

Concen: 27.157 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. -0.00 min

Lab File: VU033310.D

Acq: 18 Jul 2019 11:43

Instrument :

MSVOA_U

ClientSampled :

GAMR0

Tot Ion:106 Resp: 114915

Ion Ratio Lower Upper

106 100

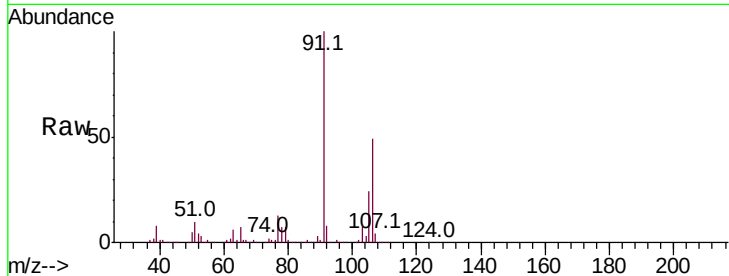
91 203.5 141.3 262.3

Manual Integrations

APPROVED

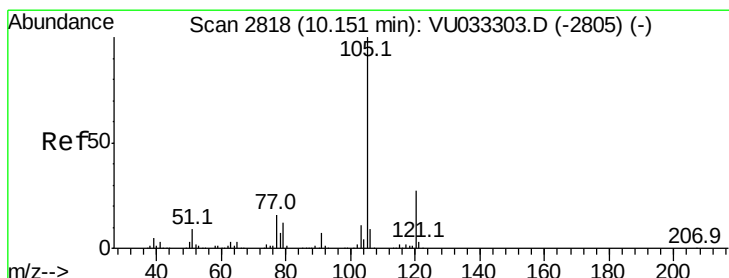
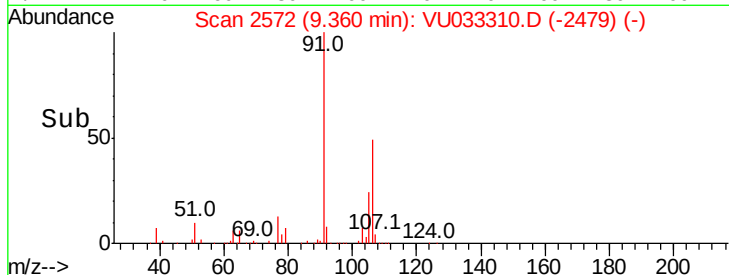
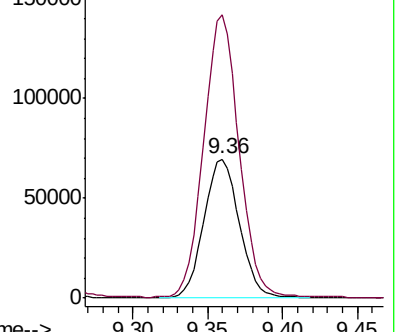
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7/19/2019 10:56:40 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 6.392 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033310.D

Acq: 18 Jul 2019 11:43

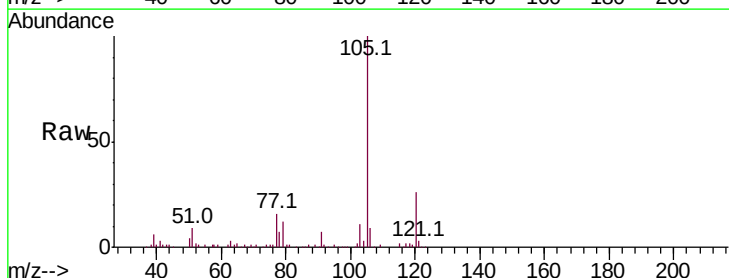
Tgt Ion:105 Resp: 69115

Ion Ratio Lower Upper

105 100

120 25.6 21.2 31.8

77 17.6 12.9 19.3



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): VU0

