

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
 Data File : VU030353.D
 Acq On : 23 Mar 2019 20:21
 Operator : JC/SP
 Sample : K2063-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6R5

Manual Integrations
 APPROVED

MMDadoda
 3/24/2019 12:36:32 PM

Quant Time: Mar 24 12:29:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Mar 24 02:05:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	449347	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	441815	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	235930	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	146075	40.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.78%
7) Chloroethane-d5	1.68	69	124642	43.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.96%
11) 1,1-Dichloroethene-d2	2.27	63	213413	31.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.22%
21) 2-Butanone-d5	4.17	46	294375	86.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.59%
24) Chloroform-d	4.65	84	261930	42.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.08%
26) 1,2-Dichloroethane-d4	5.31	65	180325	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
32) Benzene-d6	5.34	84	560392	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
36) 1,2-Dichloropropane-d6	6.33	67	194279	44.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.64%
41) Toluene-d8	7.57	98	535714	47.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.16%
43) trans-1,3-Dichloropropene-	7.85	79	94156	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.38%
47) 2-Hexanone-d5	8.31	63	226431	96.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	283308	45.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	212932	45.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	1.63	94	12345	5.118	ug/L	99
22) 2-Butanone	4.27	43	39930	9.609	ug/L	91
29) Cyclohexane	4.99	56	1922126	287.484	ug/L	97
33) Benzene	5.38	78	29233686m	1943.750	ug/L	
35) Methylcyclohexane	6.41	83	1169346	192.197	ug/L	92
42) Toluene	7.63	91	41730400m	2673.520	ug/L	
48) 2-Hexanone	8.36	43	135198	23.009	ug/L #	85
50) 1,2-Dibromoethane	8.58	107	716454	185.114	ug/L	100
52) Ethylbenzene	9.24	91	20823525m	1231.534	ug/L	
53) m,p-Xylene	9.38	106	25523324m	4180.556	ug/L	
54) o-xylene	9.78	106	16858052m	2829.902	ug/L	
56) Isopropylbenzene	10.16	105	1468116	93.074	ug/L	100

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

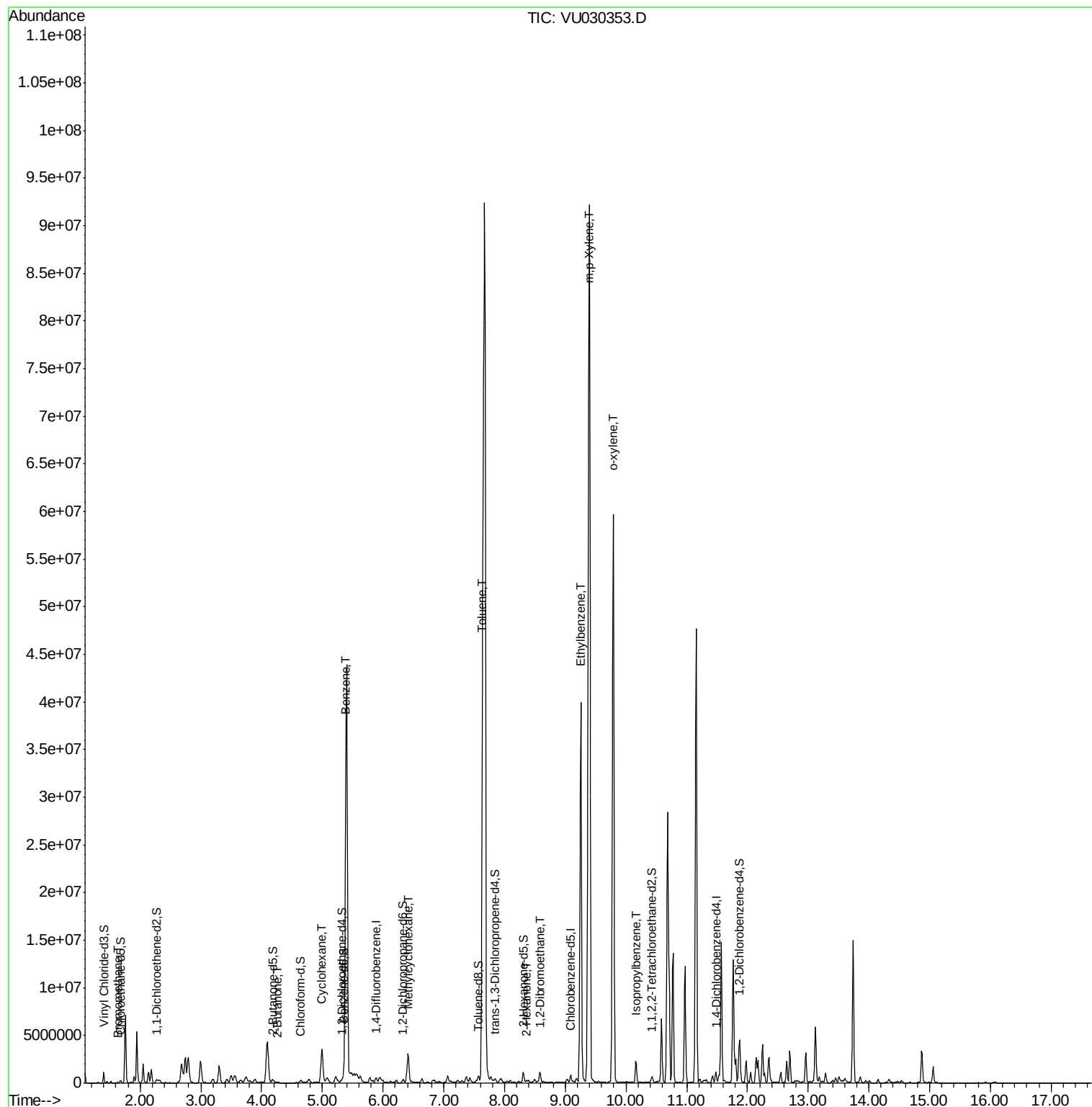
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

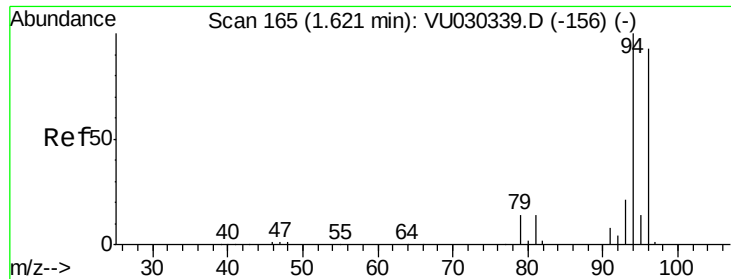
Instrument :
MSVOA_U
ClientSampleId :
DB6R5

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Quant Time: Mar 24 12:29:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sun Mar 24 02:05:17 2019
Response via : Initial Calibration





#6

Bromomethane

Concen: 5.118 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU030353.D

Acq: 23 Mar 2019 20:21

Instrument :

MSVOA_U

ClientSampled :

DB6R5

Tot Ion: 94 Resp: 12345

Ion Ratio Lower Upper

94 100

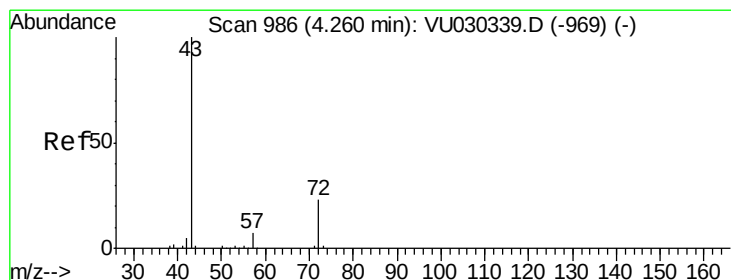
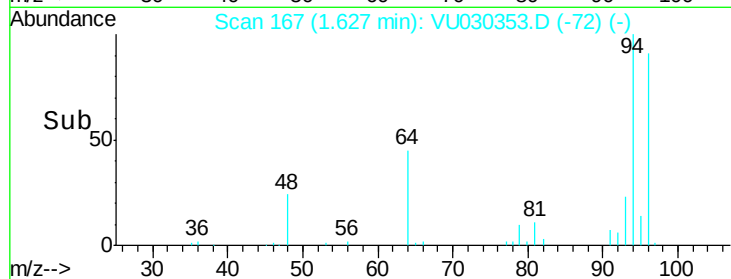
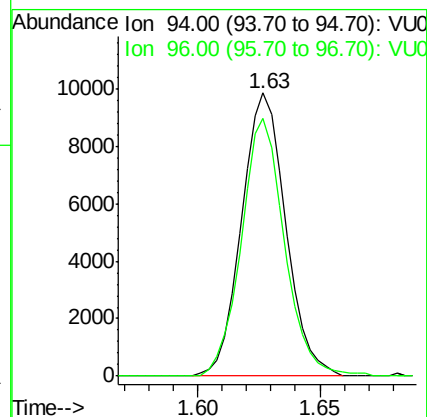
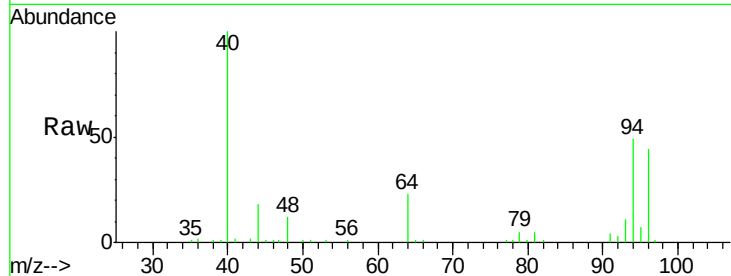
96 91.3 64.8 120.3

Manual Integrations

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#22

2-Butanone

Concen: 9.609 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.01 min

Lab File: VU030353.D

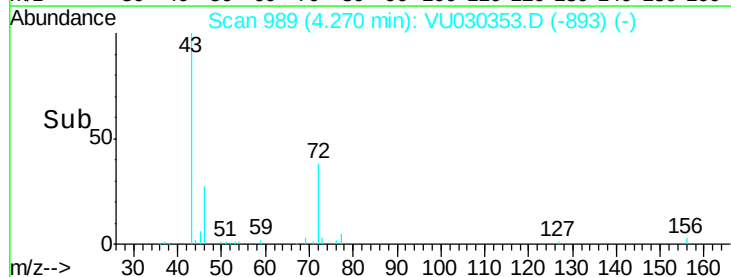
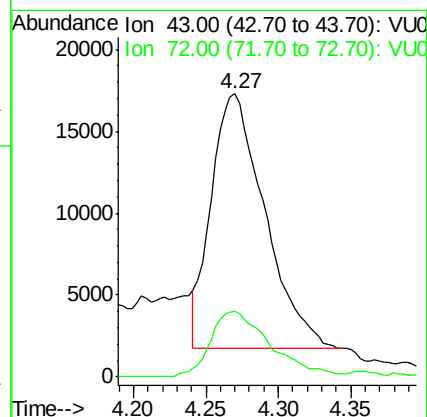
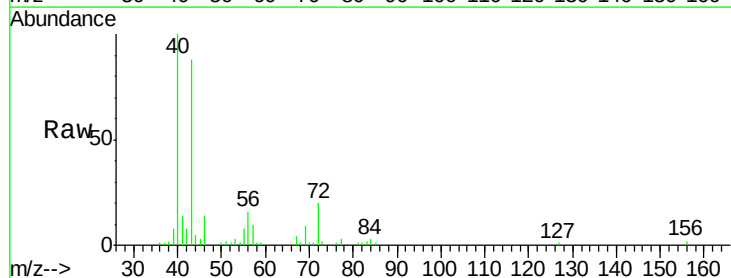
Acq: 23 Mar 2019 20:21

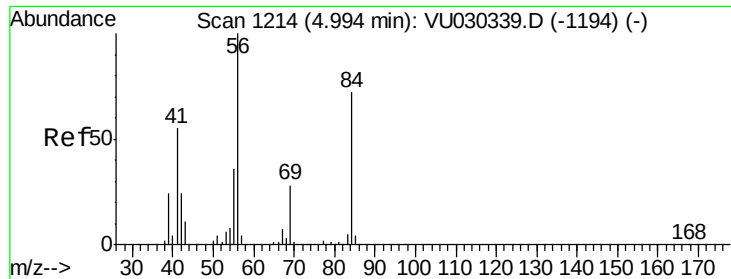
Tgt Ion: 43 Resp: 39930

Ion Ratio Lower Upper

43 100

72 28.7 12.0 36.1





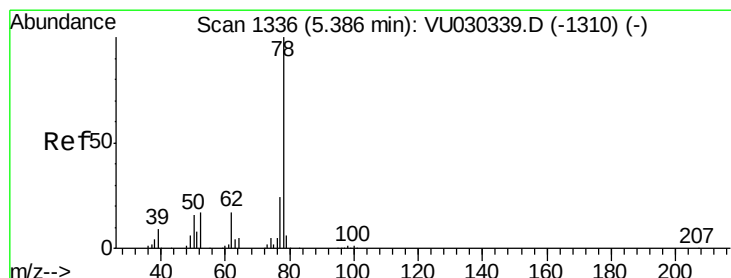
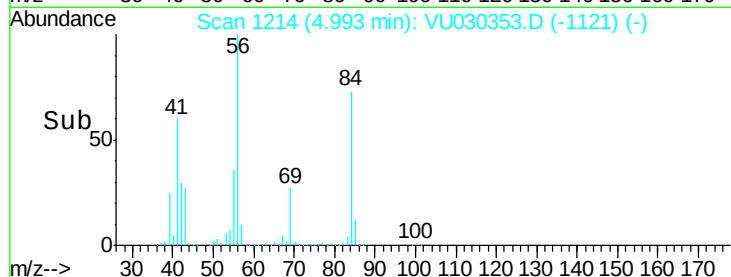
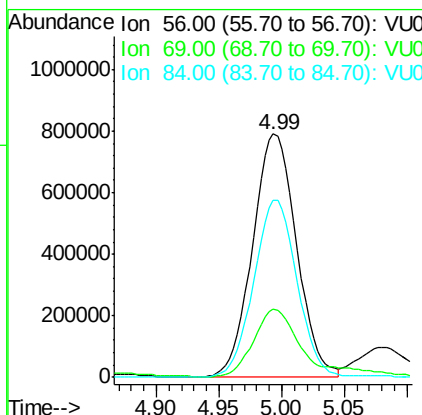
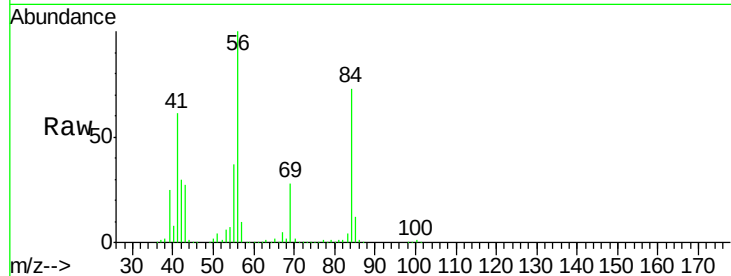
#29
Cyclohexane
Concen: 287.484 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument :
MSVOA_U
ClientSampled :
DB6R5

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	22.9	34.3
84	72.2	58.9	88.3

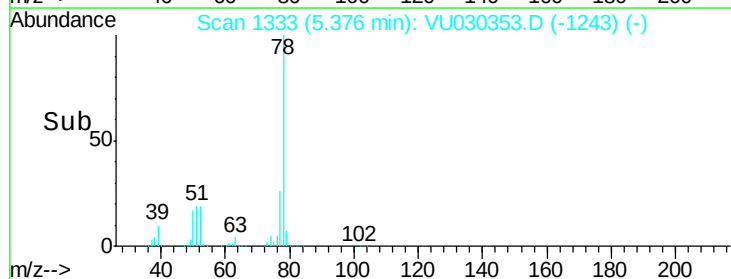
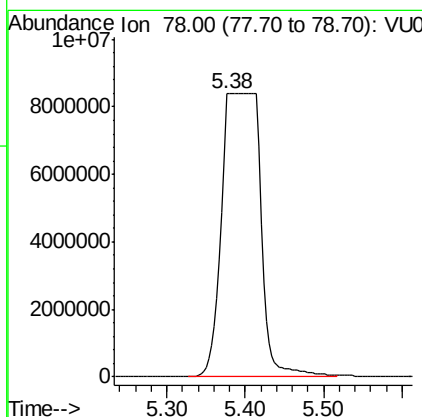
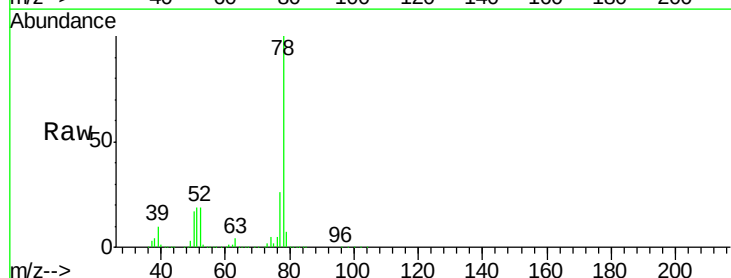
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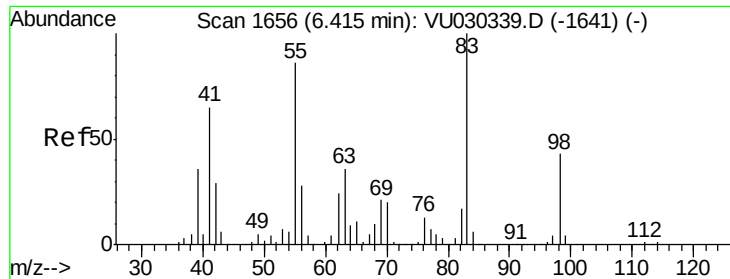
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#33
Benzene
Concen: 1943.750 ug/L m
RT: 5.38 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion: 78 Resp:29233686





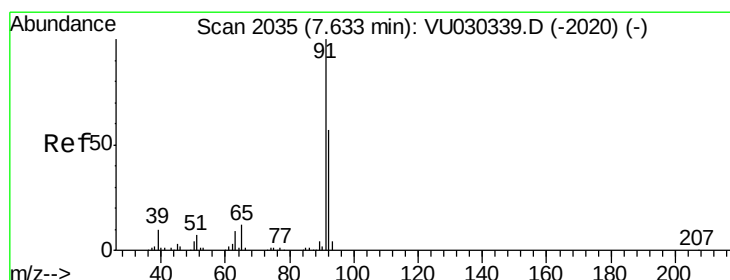
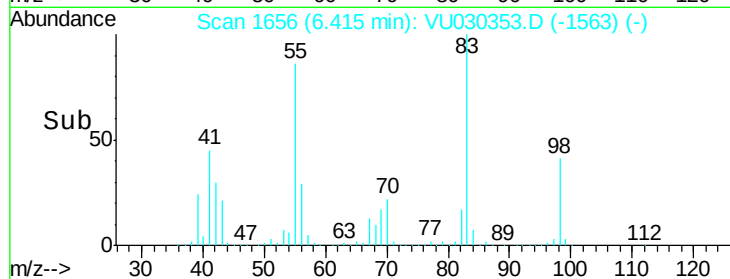
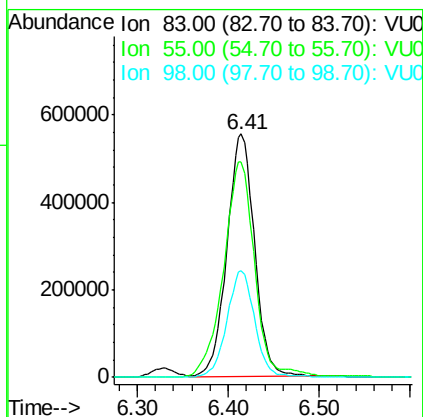
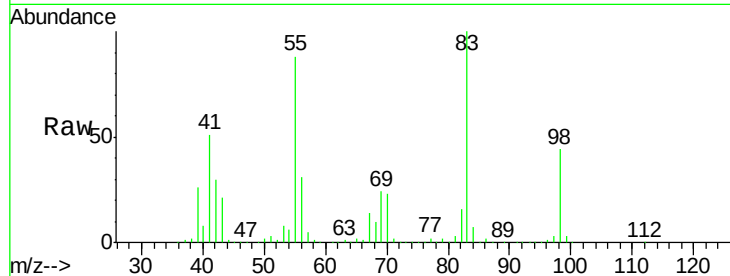
#35
Methylvlcyclohexane
Concen: 192.197 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. -0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Instrument :
MSVOA_U
ClientSampled :
DB6R5

Tot Ion: 83 Resp: 1169346
Ion Ratio Lower Upper
83 100
55 100.1 71.4 107.0
98 44.3 36.0 54.0

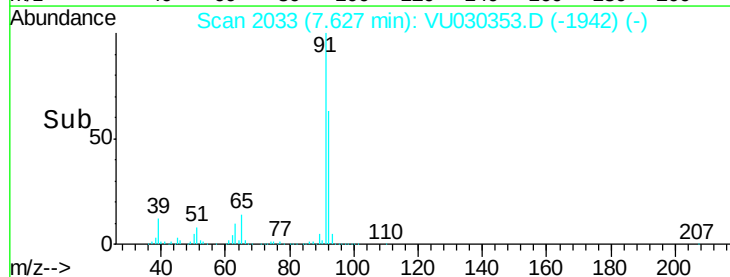
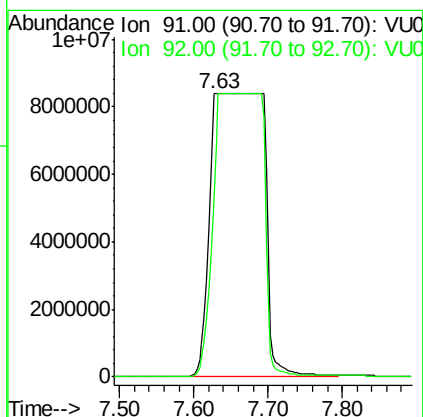
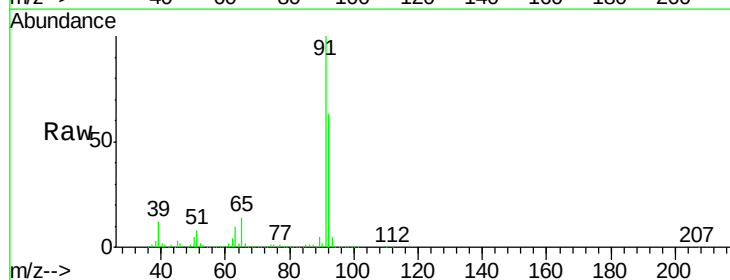
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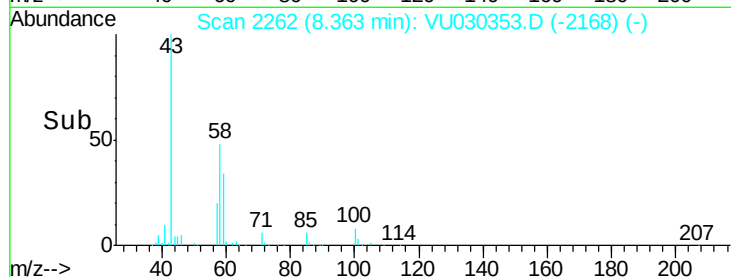
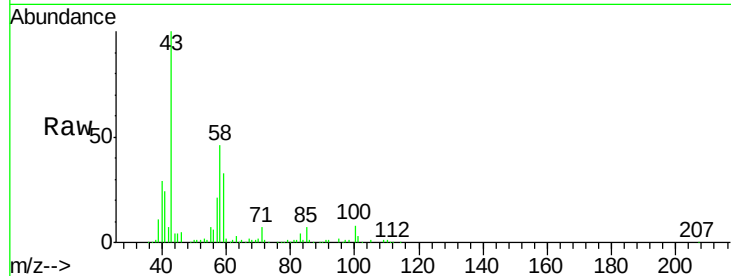
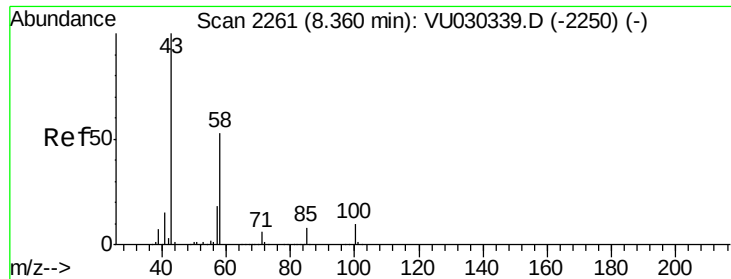
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#42
Toluene
Concen: 2673.520 ug/L m
RT: 7.63 min Scan# 2033
Delta R.T. -0.01 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion: 91 Resp: 41730400
Ion Ratio Lower Upper
91 100
92 63.2 39.7 73.7





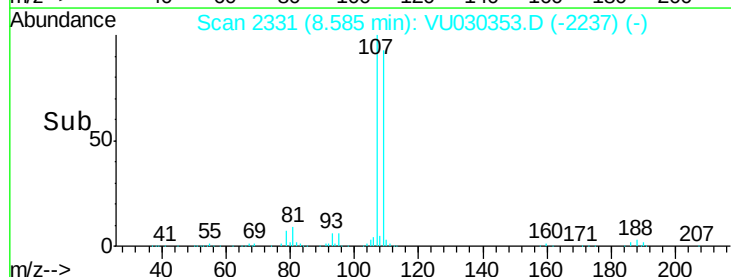
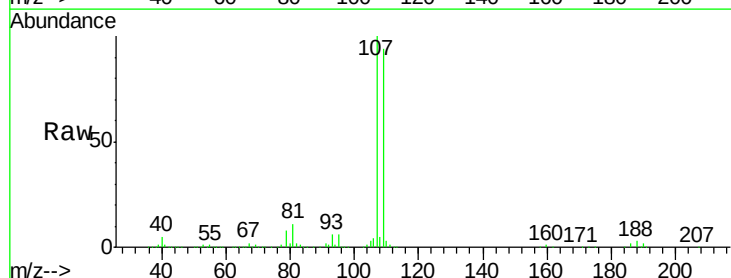
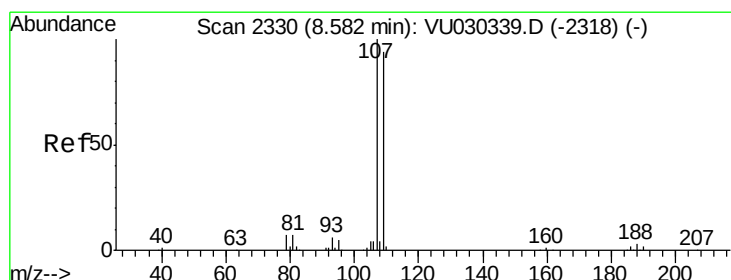
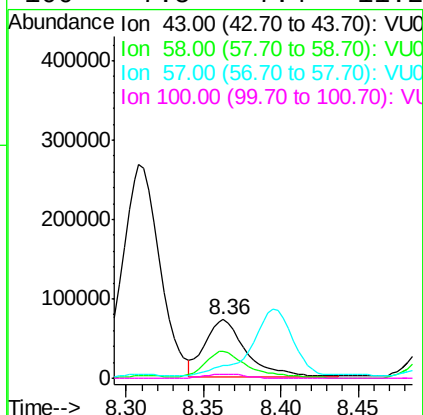
#48
2-Hexanone
Concen: 23.009 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.4	42.5	63.7
57	0.0	15.0	22.6
100	7.5	7.4	11.2

Instrument :
MSVOA_U
ClientSampleId :
DB6R5

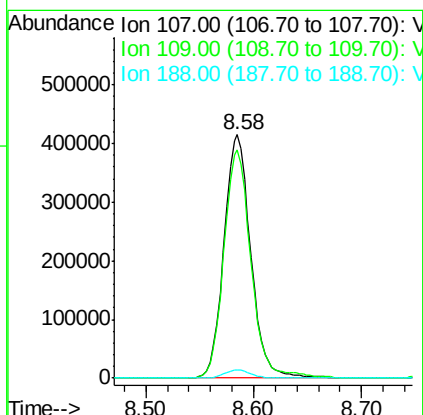
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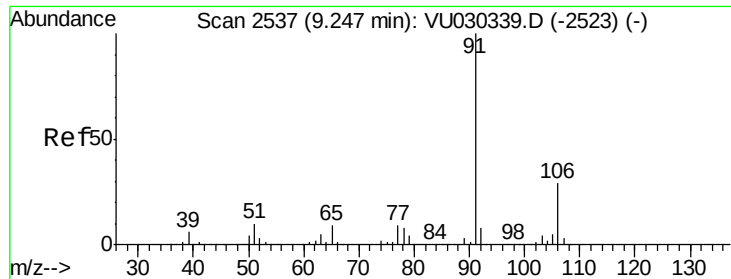
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#50
1,2-Dibromoethane
Concen: 185.114 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030353.D
Acq: 23 Mar 2019 20:21

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.8	122.2
188	3.3	2.6	4.0





#52

Ethylbenzene

Concen: 1231.534 ug/L m

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU030353.D

Acq: 23 Mar 2019 20:21

Instrument :

MSVOA_U

ClientSampleId :

DB6R5

Tot Ion: 91 Resp:20823525

Ion Ratio Lower Upper

91 100

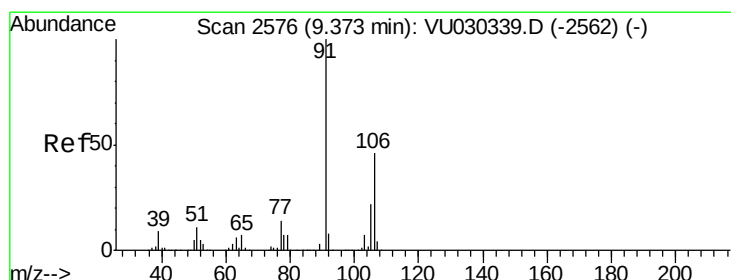
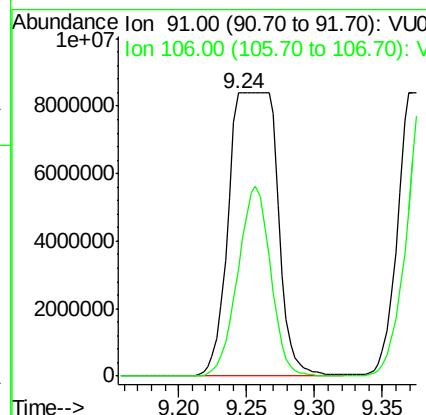
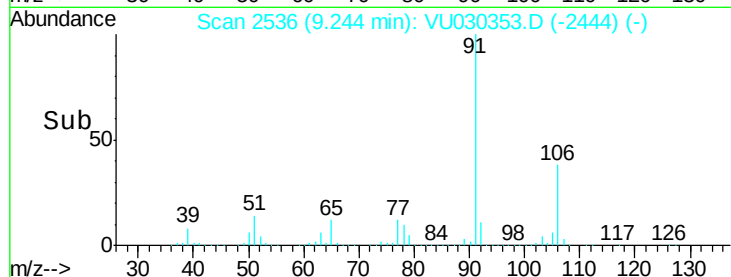
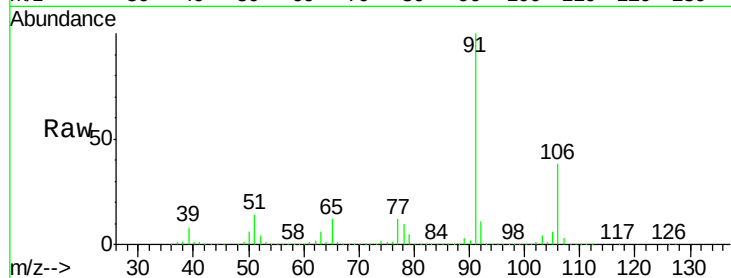
106 37.6 20.6 38.2

Manual Integrations

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#53

m,p-Xylene

Concen: 4180.556 ug/L m

RT: 9.38 min Scan# 2578

Delta R.T. 0.01 min

Lab File: VU030353.D

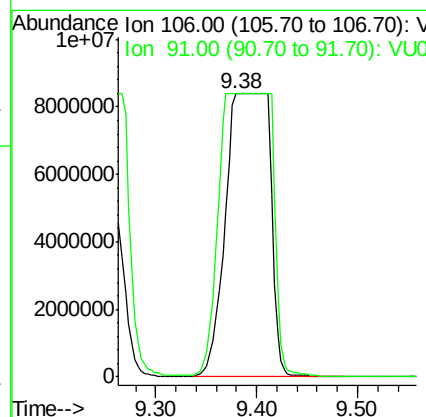
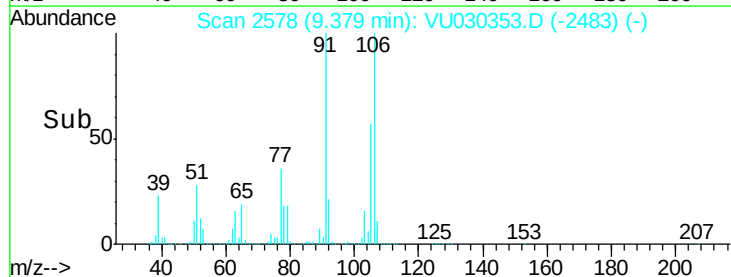
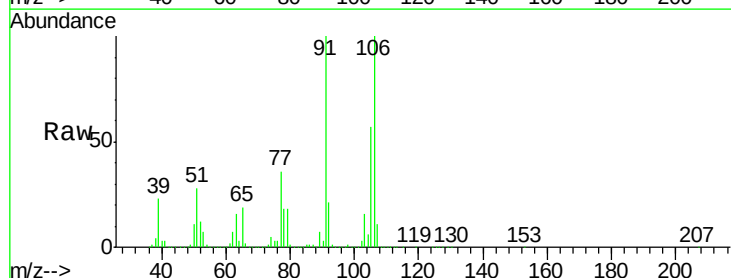
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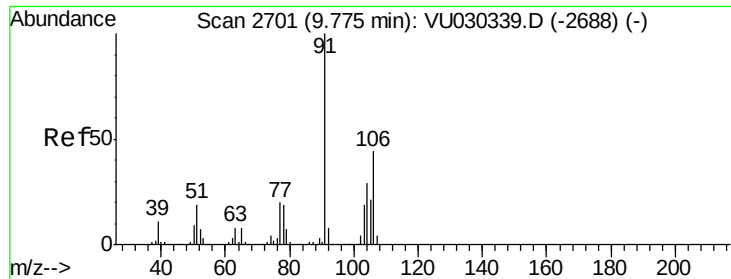
Tgt Ion:106 Resp:25523324

Ion Ratio Lower Upper

106 100

91 100.0 151.2 280.8#





#54

o-xylene

Concen: 2829.902 ug/L m

RT: 9.78 min Scan# 2704

Delta R.T. 0.01 min

Lab File: VU030353.D

Acq: 23 Mar 2019 20:21

Instrument :

MSVOA_U

ClientSampleId :

DB6R5

Tot Ion:106 Resp:16858052

Ion Ratio Lower Upper

106 100

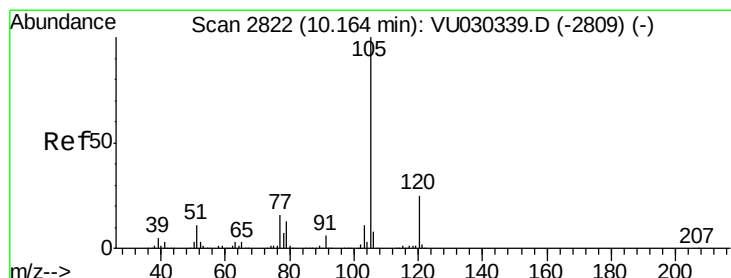
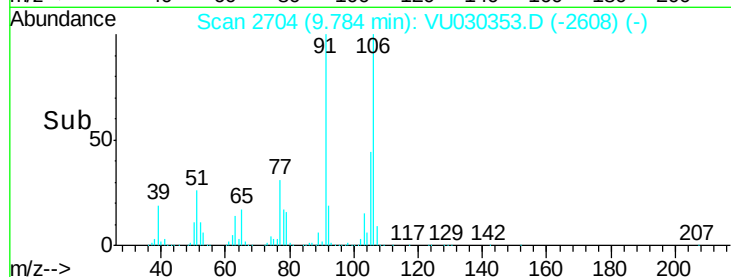
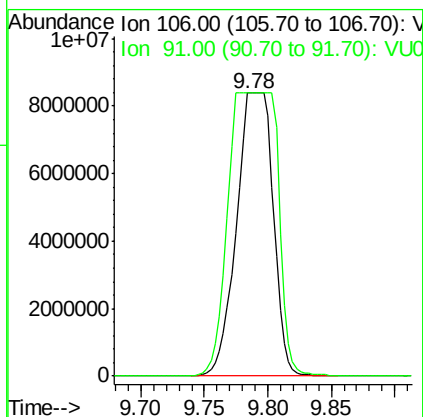
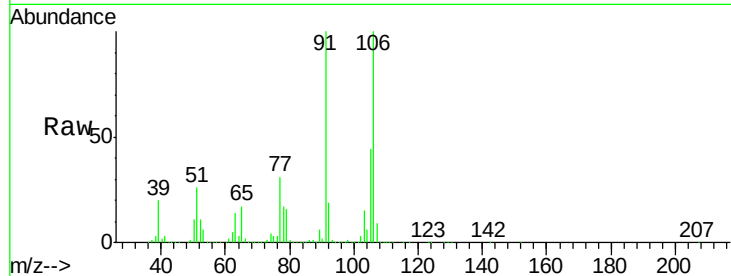
91 100.0 159.6 296.4#

Manual Integrations

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#56

Isopropylbenzene

Concen: 93.074 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030353.D

Acq: 23 Mar 2019 20:21

Tgt Ion:105 Resp: 1468116

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

77 16.6 13.2 19.8

