

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051419\
 Data File : VU032011.D
 Acq On : 14 May 2019 21:45
 Operator : JC/SP
 Sample : K2738-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB898

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 10:30:45 AM

Quant Time: May 15 05:53:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 15 04:26:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1166974	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1147720	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	539649	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	395512	38.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.24%
7) Chloroethane-d5	1.68	69	343706	41.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.90%
11) 1,1-Dichloroethene-d2	2.27	63	558083	30.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.80%
21) 2-Butanone-d5	4.17	46	643816	89.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.78%
24) Chloroform-d	4.64	84	696442	40.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.26%
26) 1,2-Dichloroethane-d4	5.31	65	447939	41.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.98%
32) Benzene-d6	5.34	84	1502431	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.44%
36) 1,2-Dichloropropane-d6	6.32	67	490896	44.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.56%
41) Toluene-d8	7.56	98	1475587	49.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.14%
43) trans-1,3-Dichloropropene-	7.85	79	221856	45.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.74%
47) 2-Hexanone-d5	8.31	63	426943	96.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	726288	44.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	531059	46.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.54%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	127217	17.257	ug/L	90
22) 2-Butanone	4.27	43	81083	9.536	ug/L	97
29) Cyclohexane	4.99	56	5537484	393.611	ug/L	98
34) Trichloroethene	6.18	95	11403m	1.225	ug/L	
35) Methylcyclohexane	6.41	83	6167983	432.040	ug/L	97
42) Toluene	7.64	91	58955	1.528	ug/L	95
46) Tetrachloroethene	8.22	164	18039	2.744	ug/L	96
52) Ethylbenzene	9.24	91	955128	23.136	ug/L	97
53) m,p-Xylene	9.37	106	681165	45.212	ug/L	99
54) o-xylene	9.77	106	27518	1.850	ug/L	93
56) Isopropylbenzene	10.16	105	8538262	224.013	ug/L	100

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

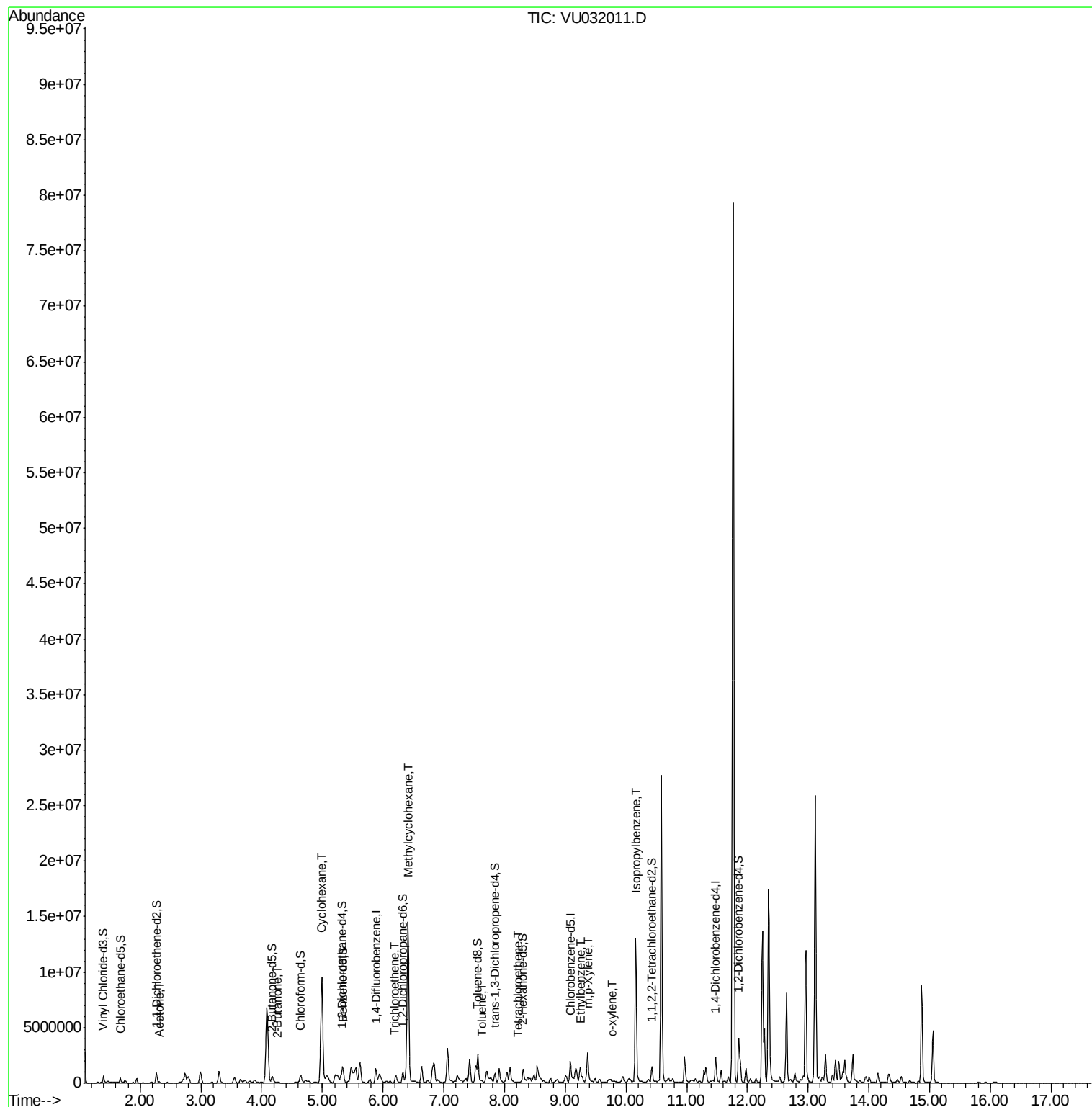
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU051419\
Data File : VU032011.D
Acq On : 14 May 2019 21:45
Operator : JC/SP
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ALS Vial : 31 Sample Multiplier: 1

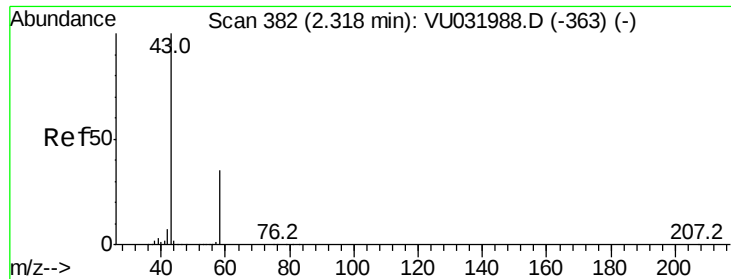
Instrument :
MSVOA_U
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration





#13

Acetone

Concen: 17.257 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032011.D

Acq: 14 May 2019 21:45

Instrument :

MSVOA_U

ClientSampleId :

DB898

Tot Ion: 43 Resp: 127217

Ion Ratio Lower Upper

43 100

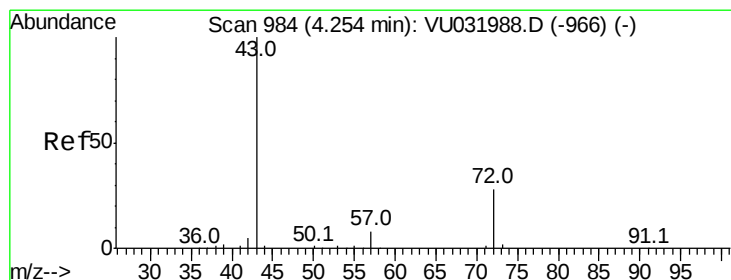
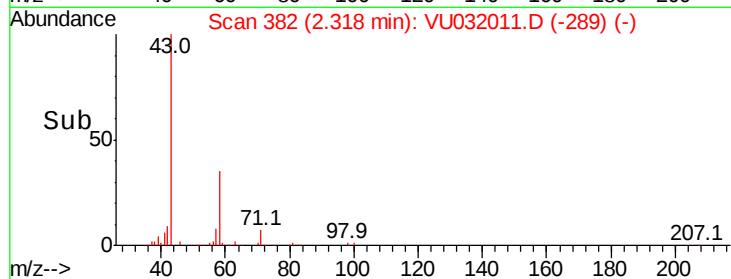
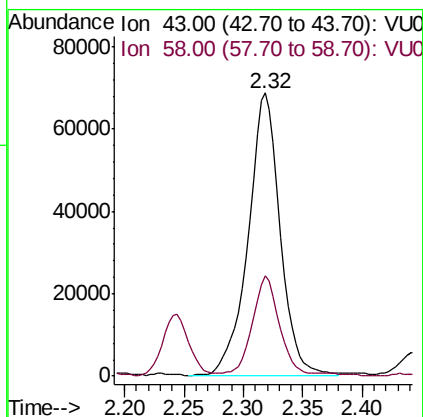
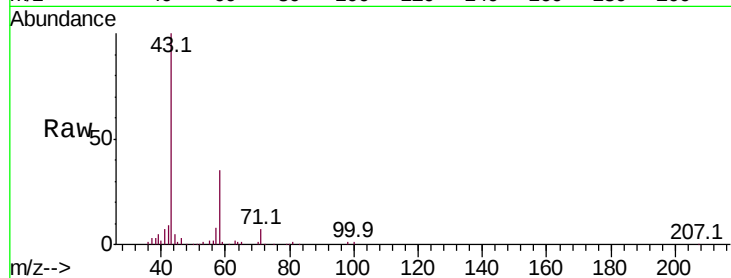
58 28.4 0.0 68.2

Manual Integrations

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#22

2-Butanone

Concen: 9.536 ug/L

RT: 4.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VU032011.D

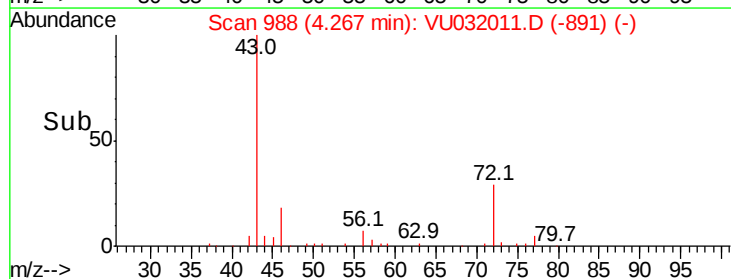
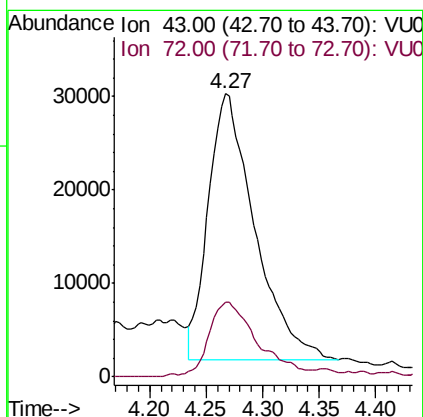
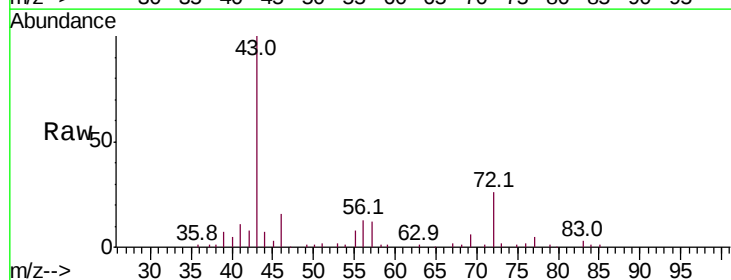
Acq: 14 May 2019 21:45

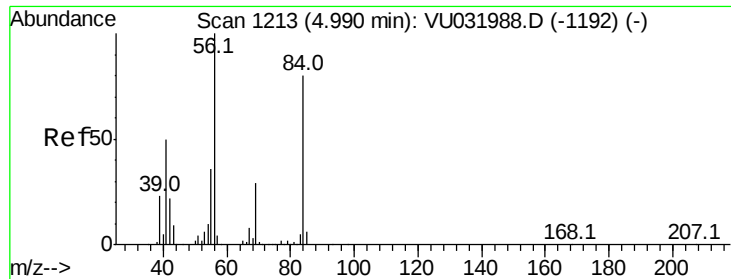
Tgt Ion: 43 Resp: 81083

Ion Ratio Lower Upper

43 100

72 29.6 13.9 41.7





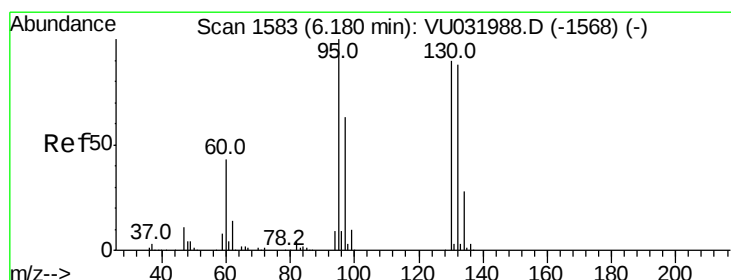
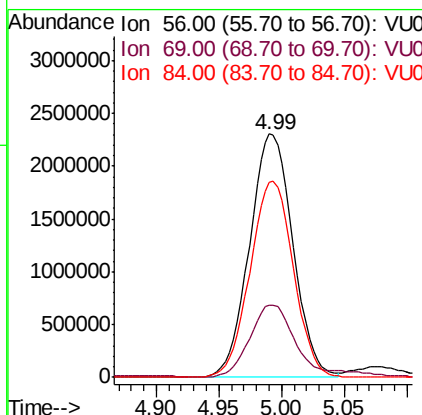
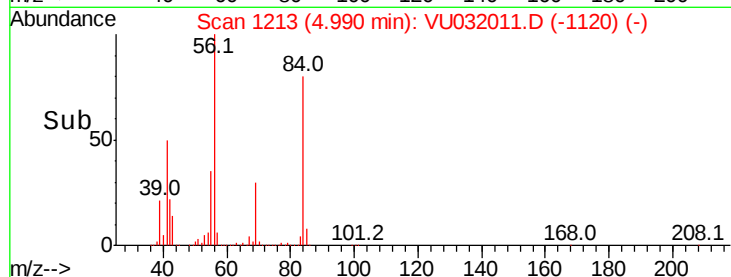
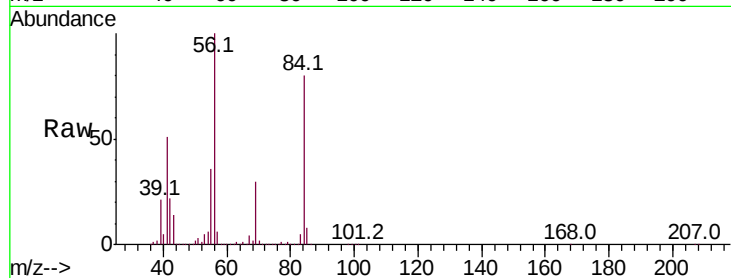
#29
Cyclohexane
Concen: 393.611 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU032011.D
Acq: 14 May 2019 21:45

Instrument :
MSVOA_U
ClientSampled :
DB898

Tot Ion: 56 Resp: 5537484
Ion Ratio Lower Upper
56 100
69 33.1 24.8 37.2
84 80.8 65.5 98.3

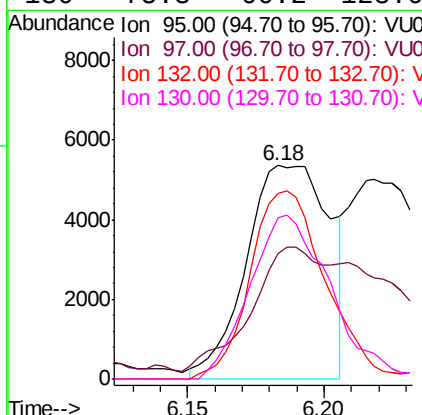
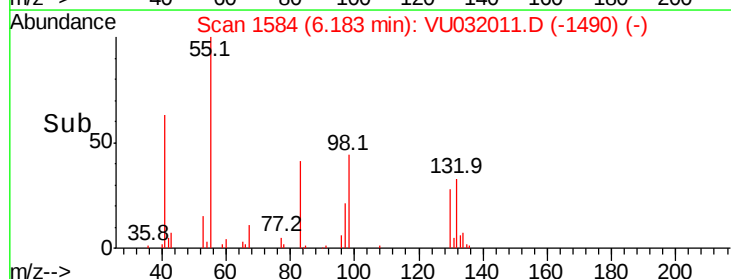
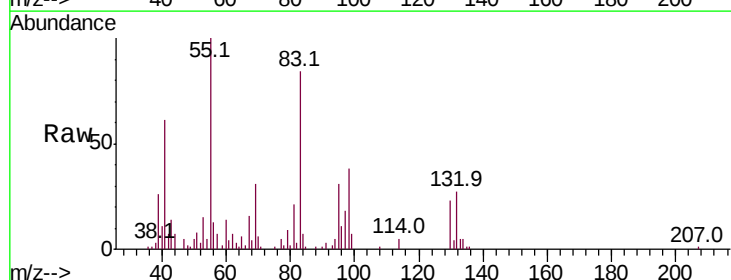
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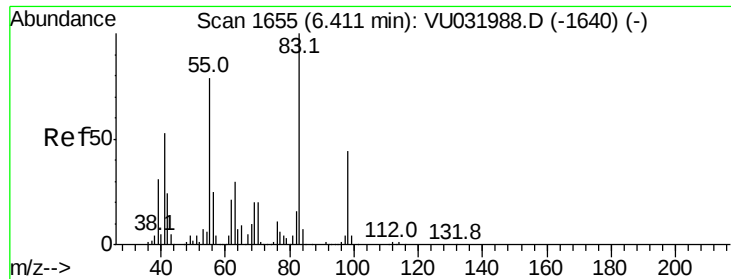
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#34
Trichloroethene
Concen: 1.225 ug/L m
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU032011.D
Acq: 14 May 2019 21:45

Tgt Ion: 95 Resp: 11403
Ion Ratio Lower Upper
95 100
97 59.0 44.9 83.3
132 86.7 63.5 117.9
130 75.3 66.2 123.0





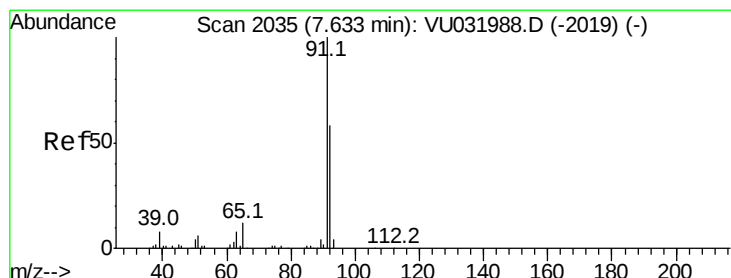
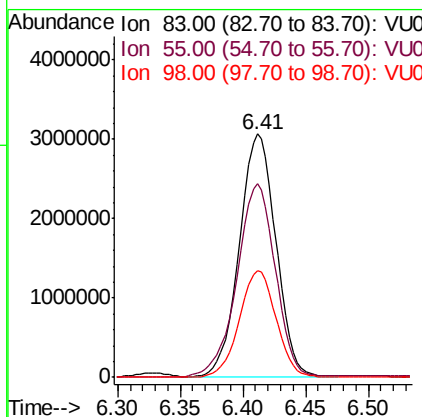
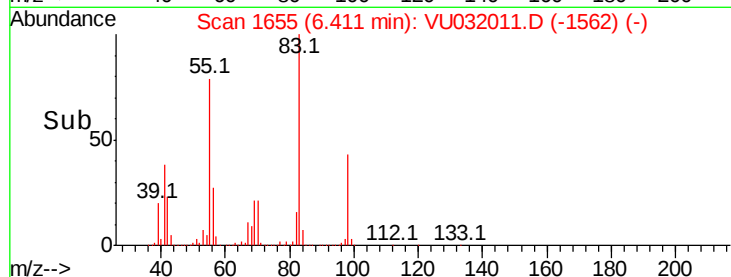
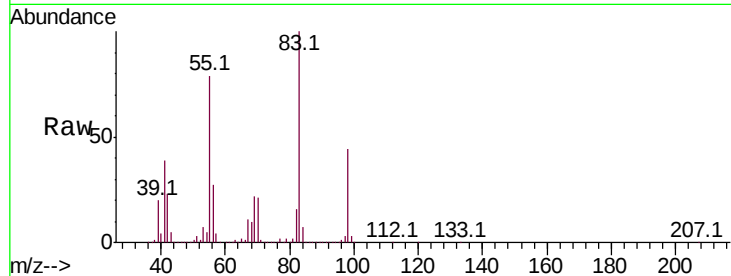
#35
Methvlcvclohexane
Concen: 432.040 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VU032011.D
Acq: 14 May 2019 21:45

Instrument :
MSVOA_U
ClientSampleId :
DB898

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.4	64.0	96.0
98	44.2	35.6	53.4

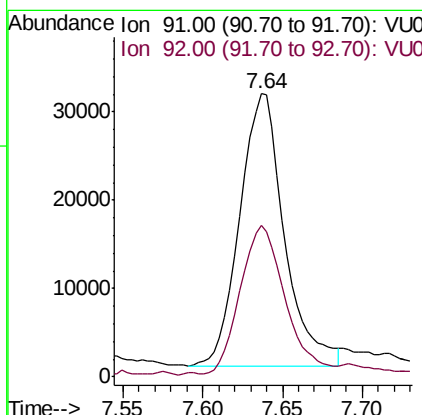
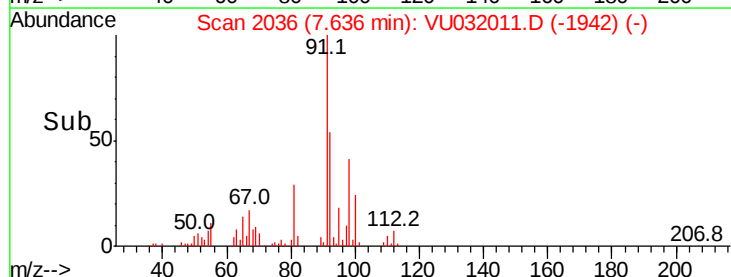
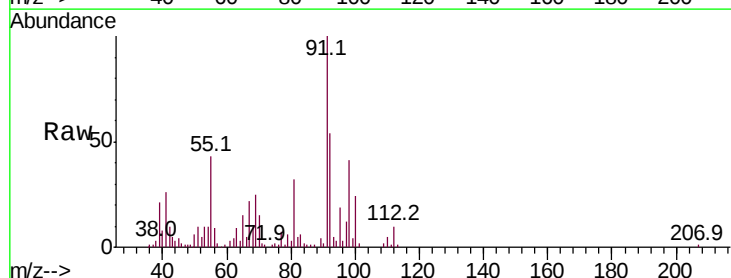
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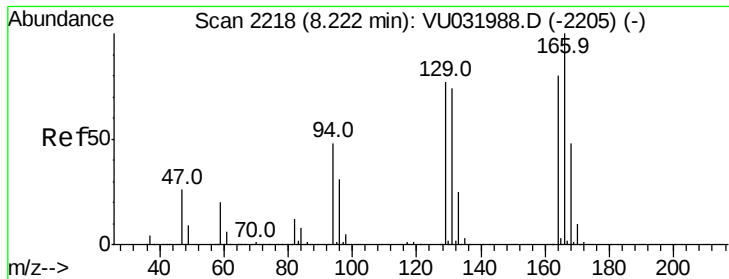
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#42
Toluene
Concen: 1.528 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU032011.D
Acq: 14 May 2019 21:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	40.2	74.6





#46

Tetrachloroethene

Concen: 2.744 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032011.D

Acq: 14 May 2019 21:45

Instrument :

MSVOA_U

ClientSampleId :

DB898

Tot Ion:164 Resp: 18039

Ion Ratio Lower Upper

164 100

129 96.8 70.9 131.7

131 88.9 67.4 125.2

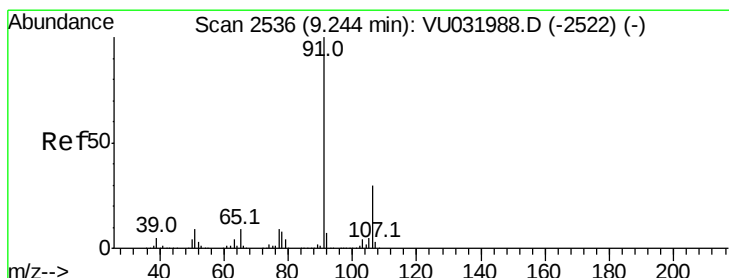
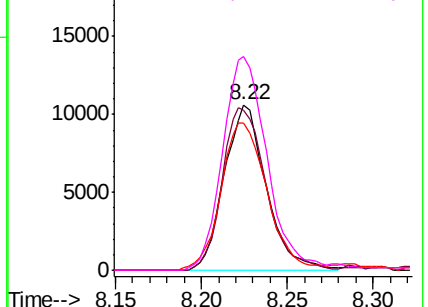
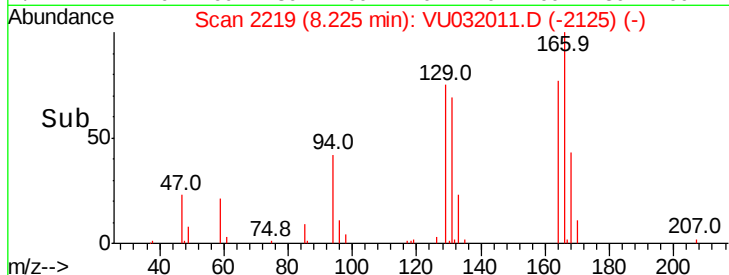
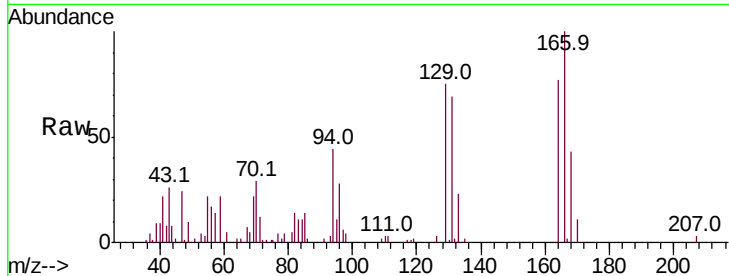
166 129.1 90.2 167.4

Manual Integrations

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#52

Ethylbenzene

Concen: 23.136 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032011.D

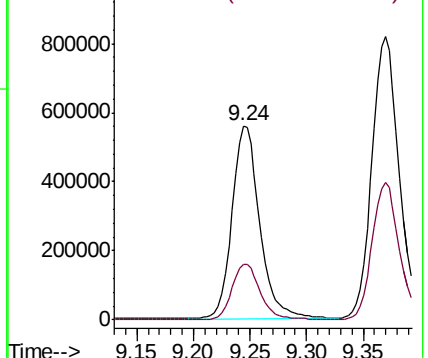
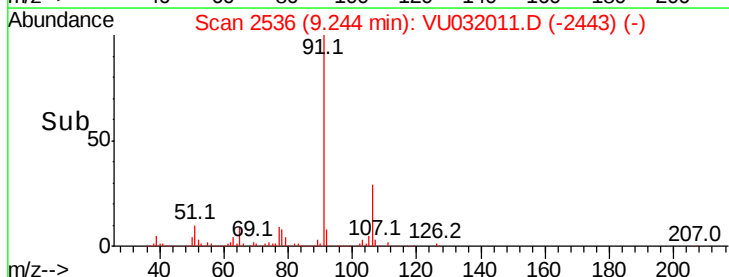
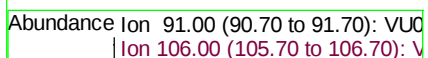
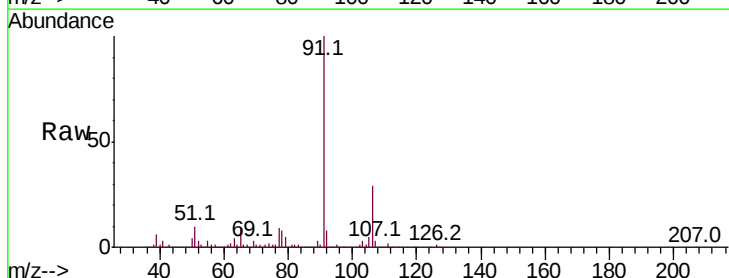
Acq: 14 May 2019 21:45

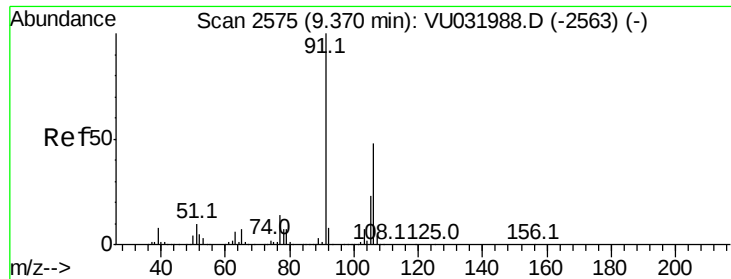
Tgt Ion: 91 Resp: 955128

Ion Ratio Lower Upper

91 100

106 29.0 21.3 39.5





#53

m,p-Xylene

Concen: 45.212 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032011.D

Acq: 14 May 2019 21:45

Instrument :

MSVOA_U

ClientSampleID :

DB898

Tot Ion:106 Resp: 681165

Ion Ratio Lower Upper

106 100

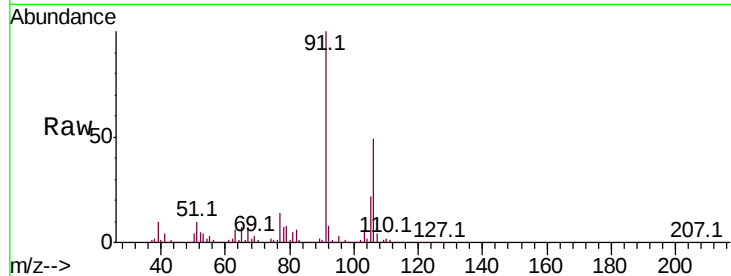
91 205.8 144.8 269.0

Manual Integrations

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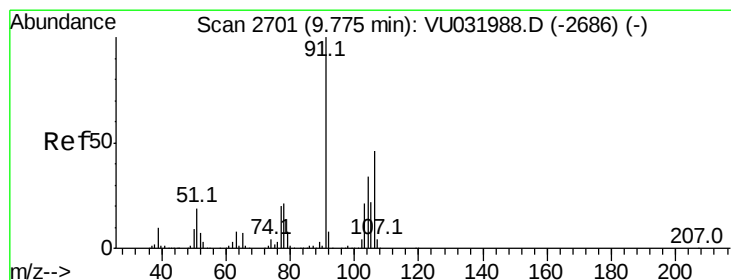
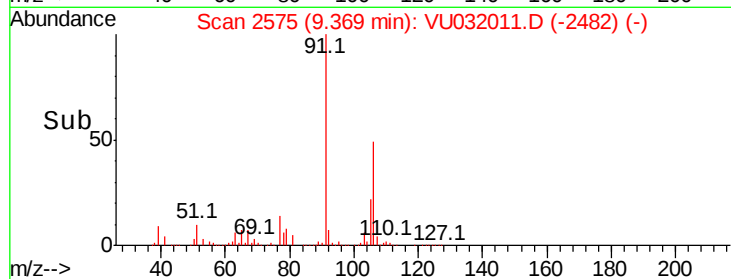
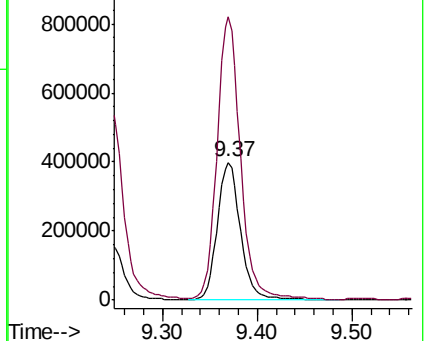
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.850 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032011.D

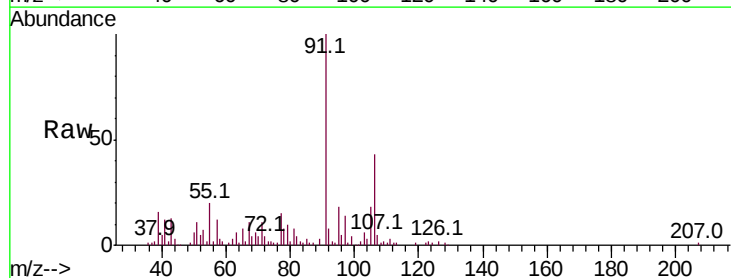
Acq: 14 May 2019 21:45

Tgt Ion:106 Resp: 27518

Ion Ratio Lower Upper

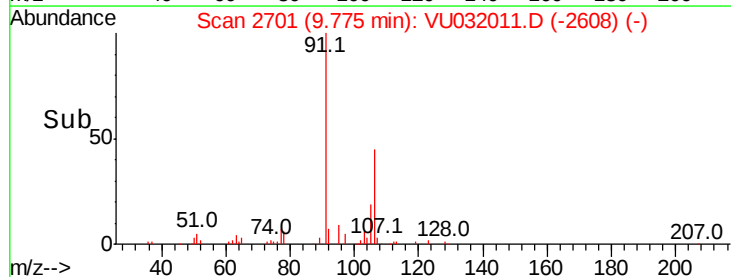
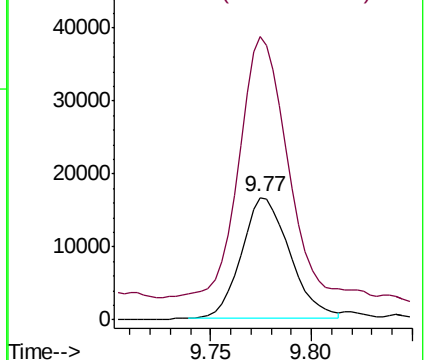
106 100

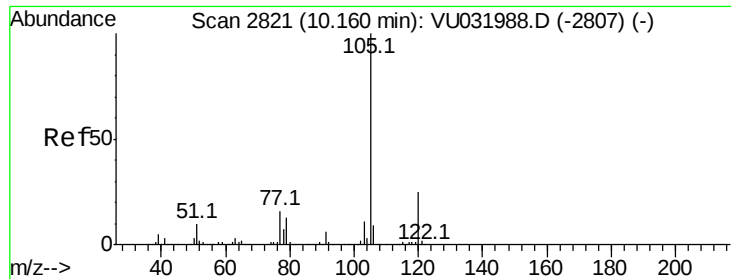
91 231.0 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56
Isopropylbenzene
Concen: 224.013 ug/L
RT: 10.16 min Scan# 2821
Delta R.T. -0.00 min
Lab File: VU032011.D
Acq: 14 May 2019 21:45

Instrument :
MSVOA_U
ClientSampleId :
DB898

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.5	30.7
77	16.1	13.0	19.4

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