

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
 Data File : VU034822.D
 Acq On : 25 Sep 2019 23:05
 Operator : JC/SP
 Sample : K4983-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDJ5

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:06:49 PM

Quant Time: Sep 26 09:09:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 06:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	447149	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	428863	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	201275	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	187920	41.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.10%
7) Chloroethane-d5	1.67	69	165567	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.26	63	254331	32.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.62%
21) 2-Butanone-d5	4.15	46	400691	114.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.21%
24) Chloroform-d	4.62	84	321185	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.52%
26) 1,2-Dichloroethane-d4	5.29	65	224539	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
32) Benzene-d6	5.32	84	672922	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.24%
36) 1,2-Dichloropropane-d6	6.31	67	242077	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.20%
41) Toluene-d8	7.54	98	644780	50.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.96%
43) trans-1,3-Dichloropropene-	7.83	79	101410	45.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.14%
47) 2-Hexanone-d5	8.29	63	283453	121.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.47%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	330476	51.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.52%
64) 1,2-Dichlorobenzene-d4	11.84	152	229322	54.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.66%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	85253	20.890	ug/L	95
15) Methyl Acetate	2.61	43	5355	0.982	ug/L #	91
16) Methylene chloride	2.68	84	82471	22.254	ug/L	93
22) 2-Butanone	4.26	43	32550m	6.704	ug/L	
51) Chlorobenzene	9.10	112	10578	1.083	ug/L	88
52) Ethylbenzene	9.23	91	28480	1.573	ug/L	96
53) m,p-Xylene	9.35	106	40125	6.258	ug/L	95
54) o-xylene	9.76	106	31430	4.956	ug/L	76
56) Isopropylbenzene	10.14	105	40716	2.381	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	7879	1.119	ug/L #	82

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

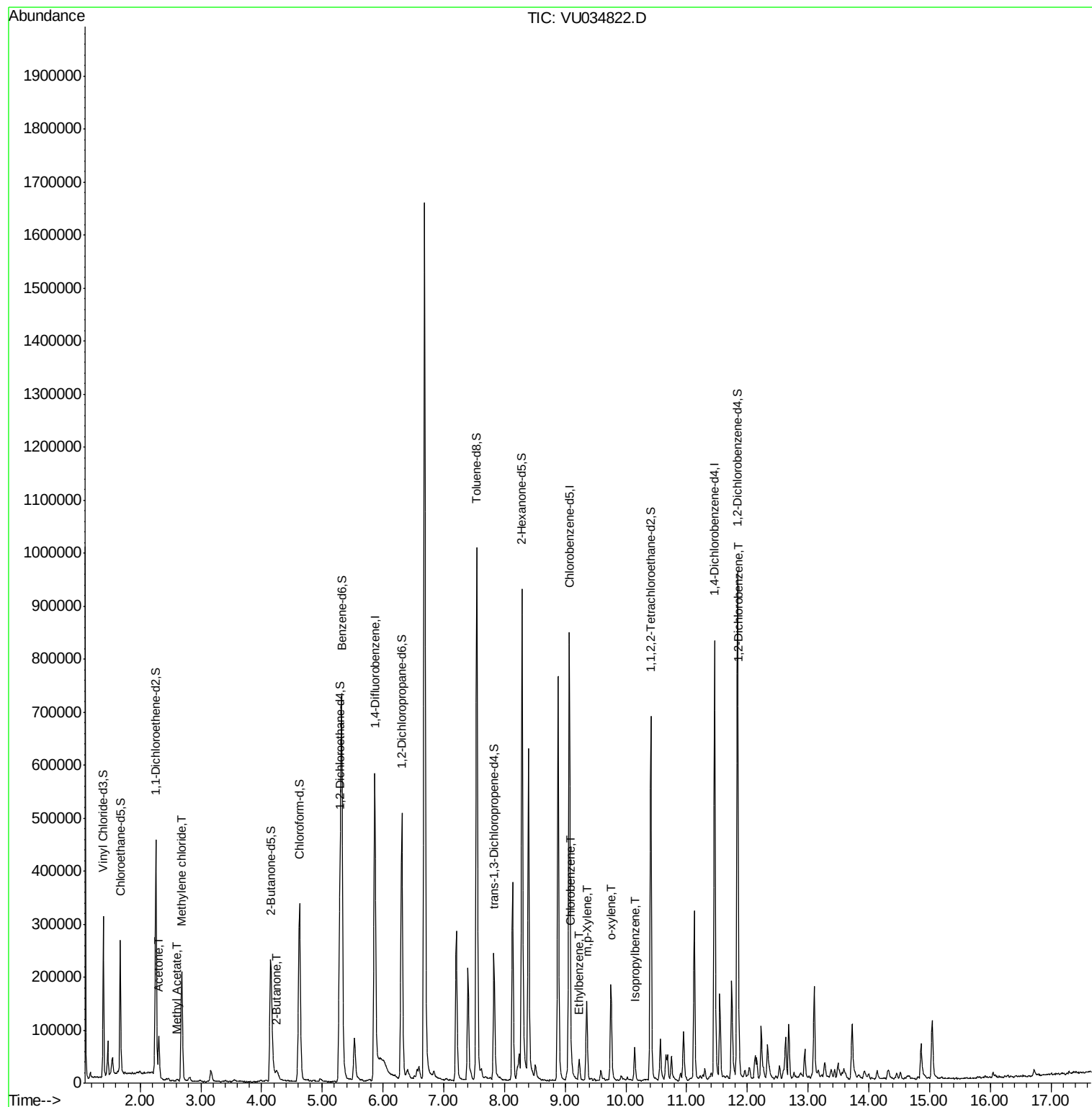
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034822.D
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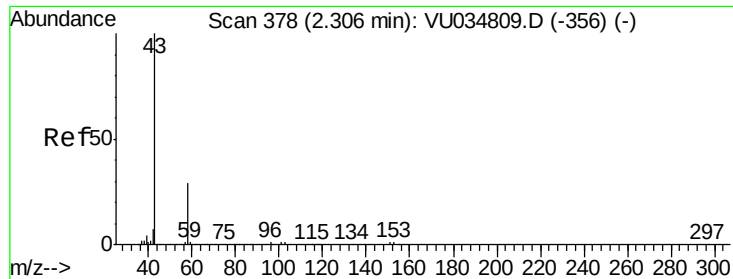
Instrument :
MSVOA_U
ClientSampleId :
BFDJ5

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Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration





#13

Acetone

Concen: 20.890 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034822.D

Acq: 25 Sep 2019 23:05

Instrument :

MSVOA_U

ClientSampled :

BFDJ5

Tot Ion: 43 Resp: 85253

Ion Ratio Lower Upper

43 100

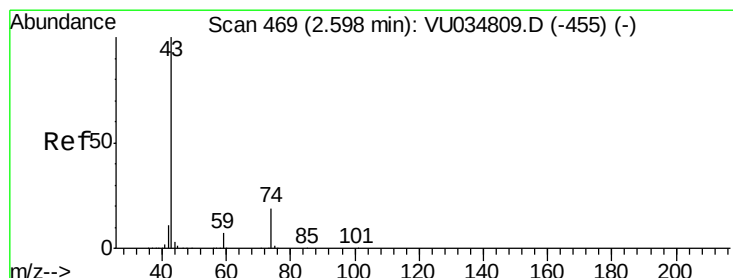
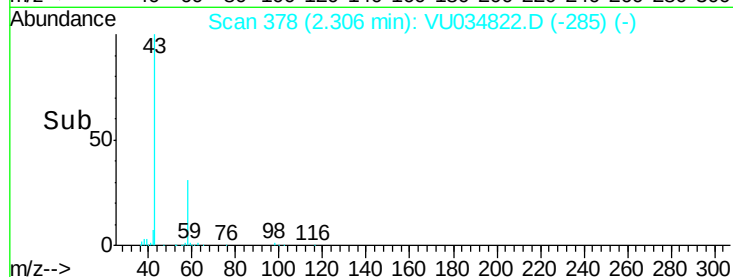
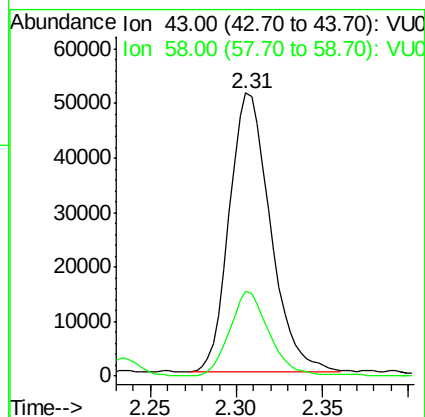
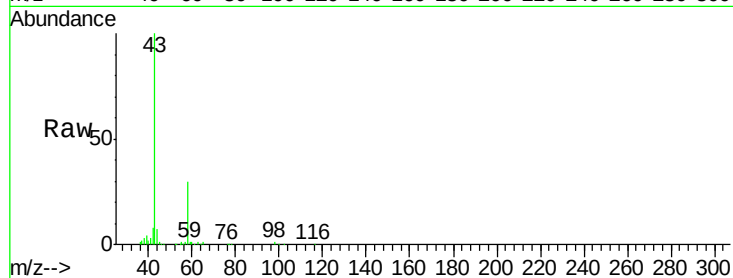
58 29.1 0.0 53.4

Manual Integrations

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#15

Methyl Acetate

Concen: 0.982 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034822.D

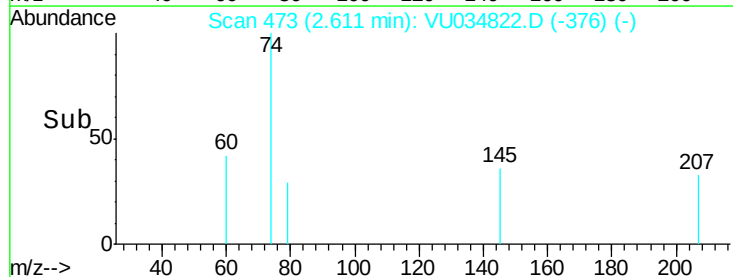
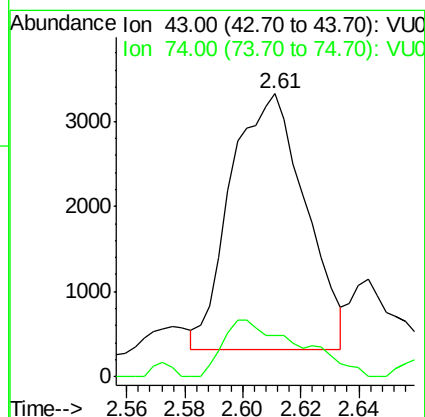
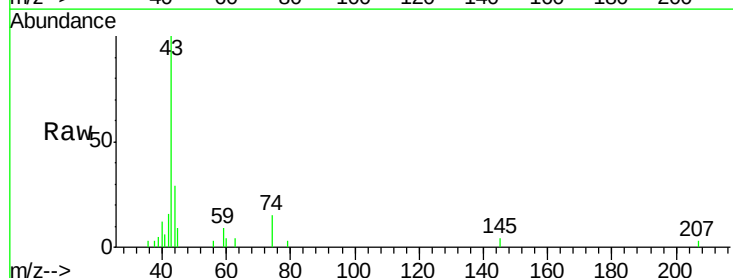
Acq: 25 Sep 2019 23:05

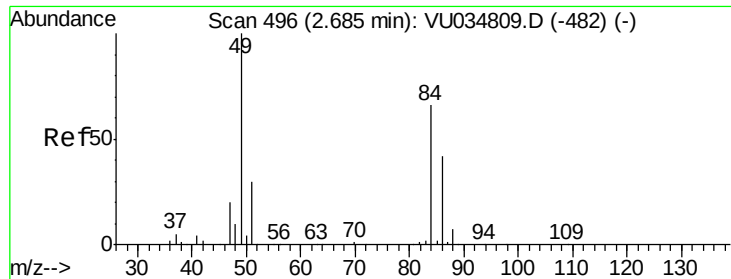
Tgt Ion: 43 Resp: 5355

Ion Ratio Lower Upper

43 100

74 13.9 14.4 21.6#





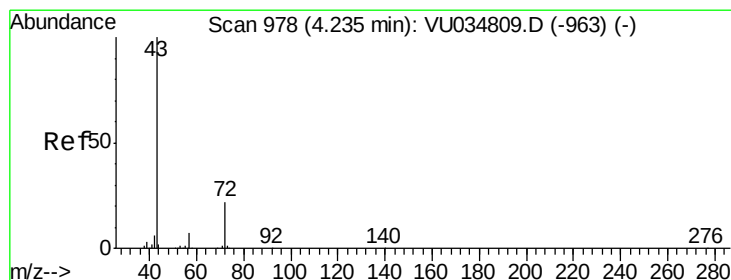
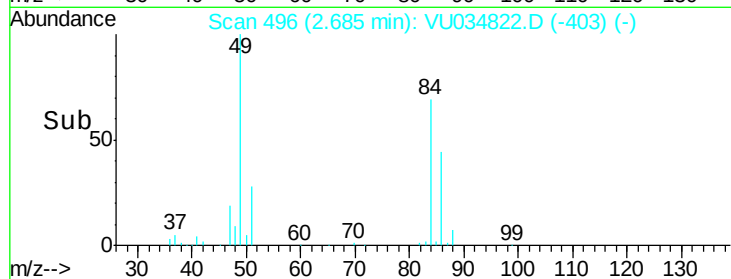
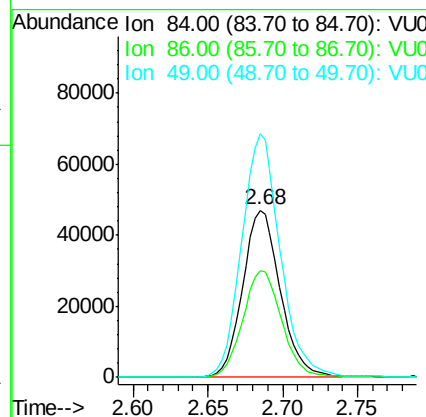
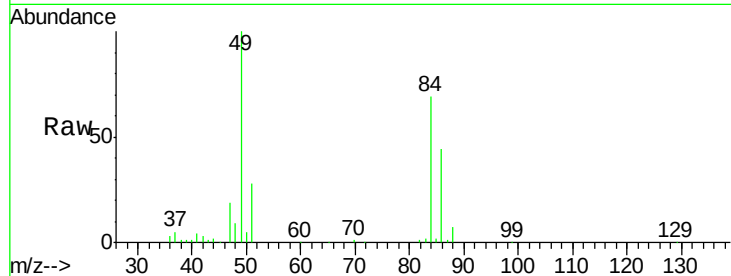
#16
Methvlene chloride
Concen: 22.254 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034822.D
Acq: 25 Sep 2019 23:05

Instrument :
MSVOA_U
ClientSampled :
BFDJ5

Tot Ion	84	Resp	82471
Ion Ratio	Lower	Upper	
84	100		
86	64.1	43.0	80.0
49	146.0	109.7	203.7

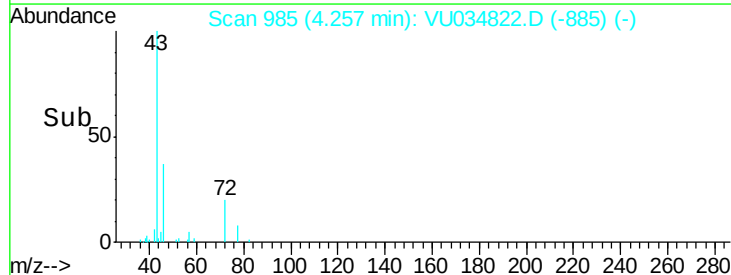
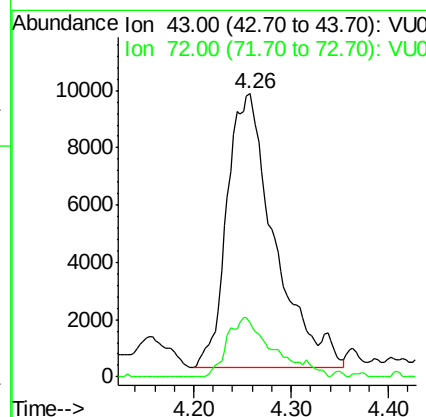
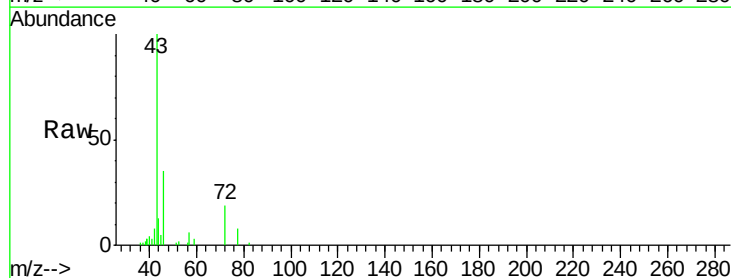
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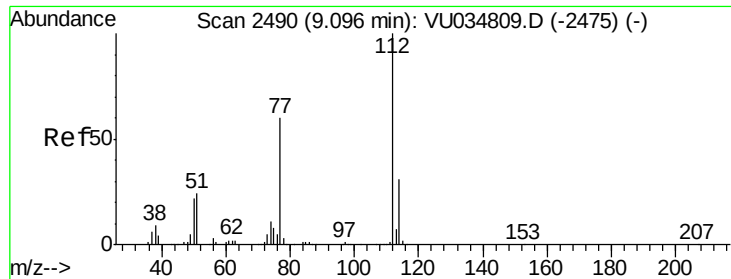
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#22
2-Butanone
Concen: 6.704 ug/L m
RT: 4.26 min Scan# 985
Delta R.T. 0.02 min
Lab File: VU034822.D
Acq: 25 Sep 2019 23:05

Tgt Ion	43	Resp	32550
Ion Ratio	Lower	Upper	
43	100		
72	4.4	10.2	30.6#





#51

Chlorobenzene

Concen: 1.083 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. -0.00 min

Lab File: VU034822.D

Acq: 25 Sep 2019 23:05

Instrument :

MSVOA_U

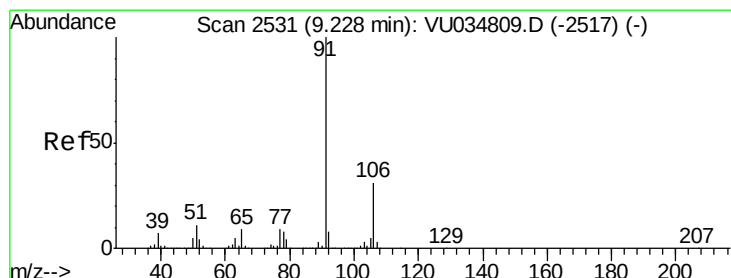
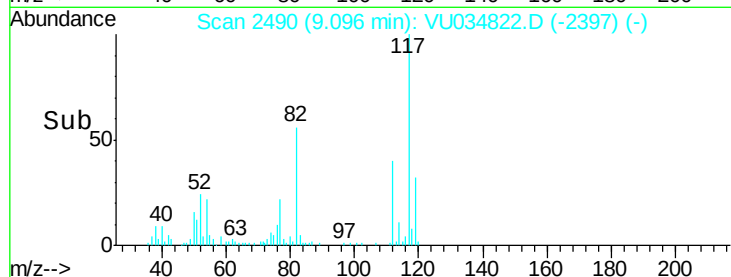
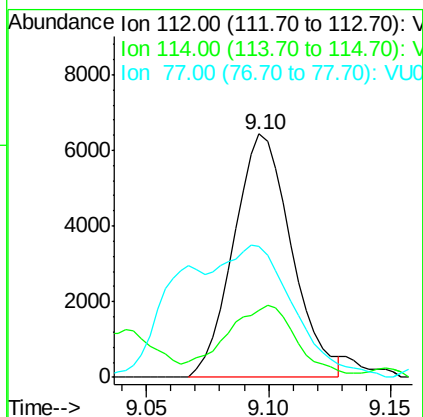
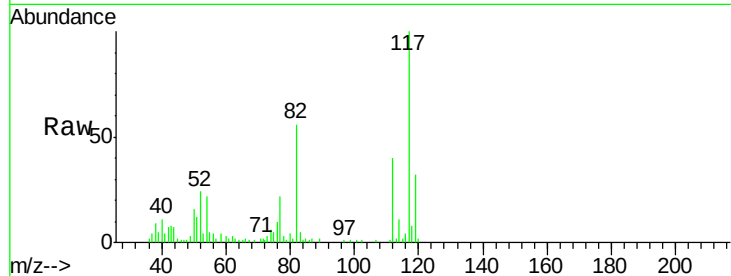
ClientSampled :

BFDJ5

Tot Ion:	112	Resp:	10578
Ion Ratio	Lower	Upper	
112	100		
114	27.5	22.8	42.4
77	53.9	51.5	77.3

Manual Integrations
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#52

Ethylbenzene

Concen: 1.573 ug/L

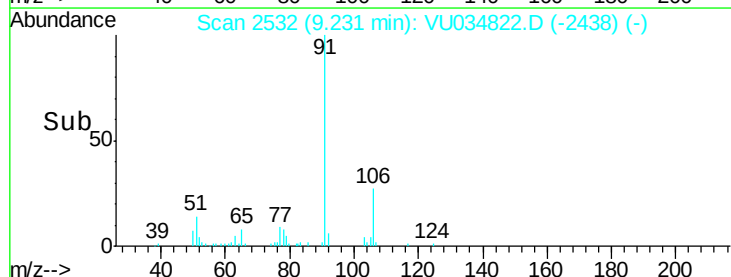
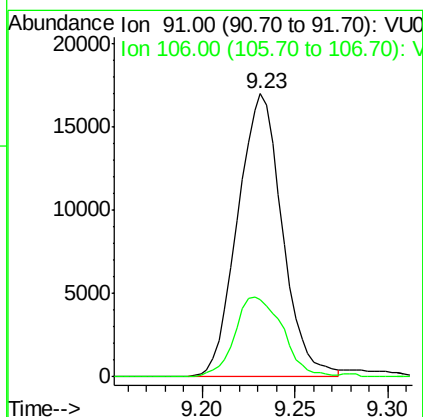
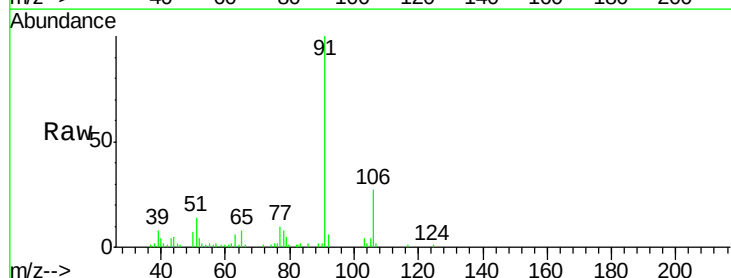
RT: 9.23 min Scan# 2532

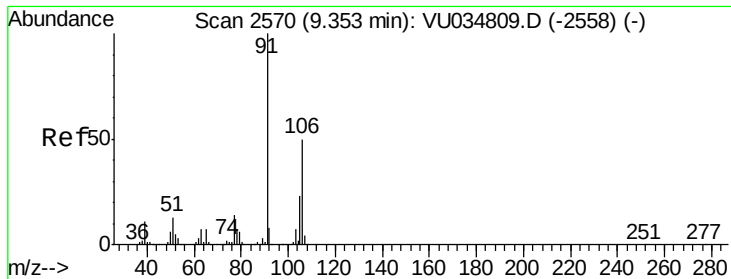
Delta R.T. 0.00 min

Lab File: VU034822.D

Acq: 25 Sep 2019 23:05

Tgt Ion:	91	Resp:	28480
Ion Ratio	Lower	Upper	
91	100		
106	27.3	20.6	38.4





#53

m,p-Xylene

Concen: 6.258 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034822.D

Acq: 25 Sep 2019 23:05

Instrument :

MSVOA_U

ClientSampled :

BFDJ5

Tot Ion:106 Resp: 40125

Ion Ratio Lower Upper

106 100

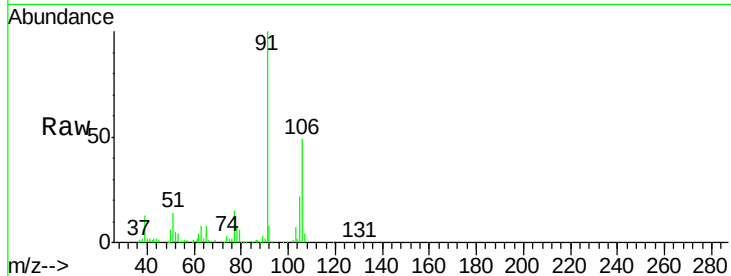
91 202.8 146.9 272.7

Manual Integrations

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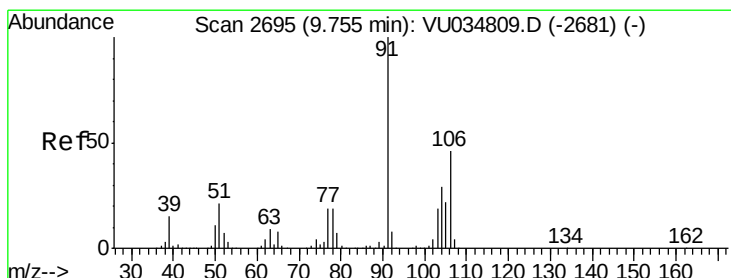
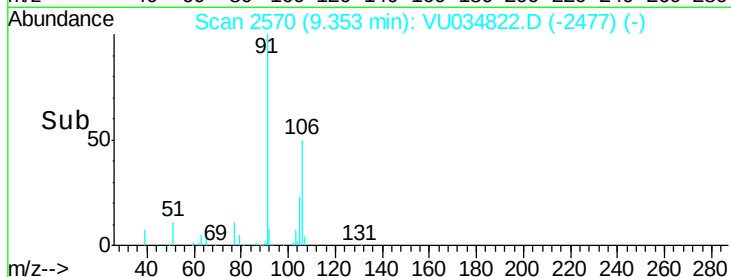
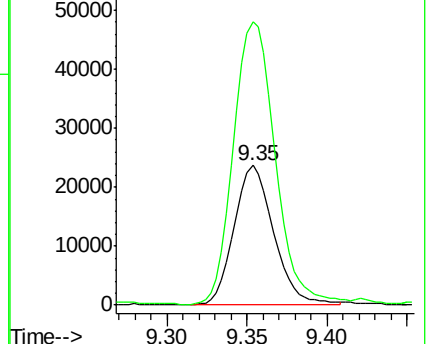
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 4.956 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034822.D

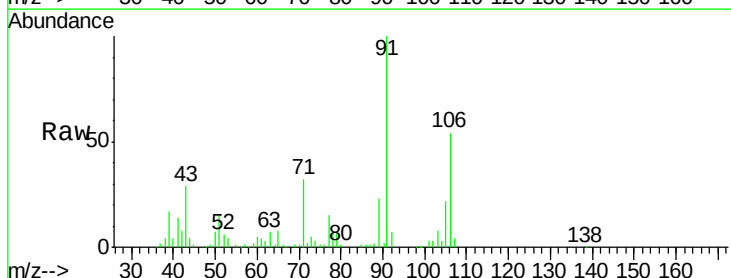
Acq: 25 Sep 2019 23:05

Tgt Ion:106 Resp: 31430

Ion Ratio Lower Upper

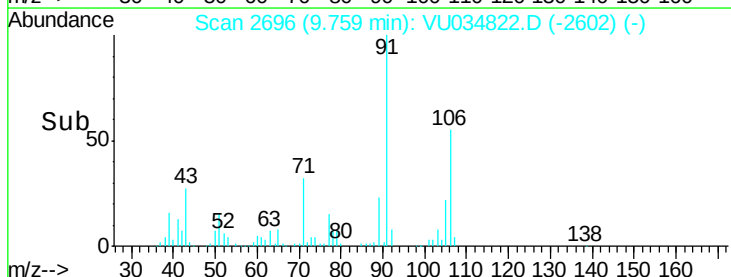
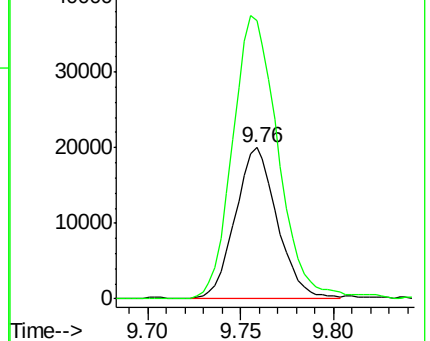
106 100

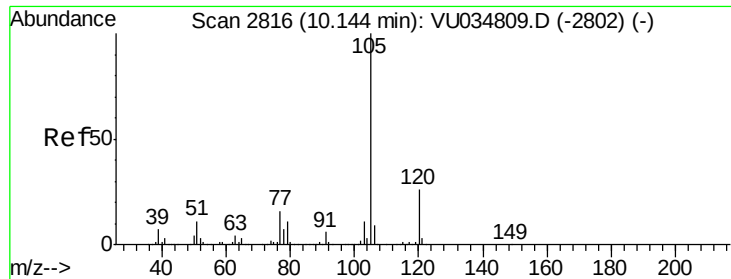
91 183.5 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 2.381 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034822.D

Acq: 25 Sep 2019 23:05

Instrument :

MSVOA_U

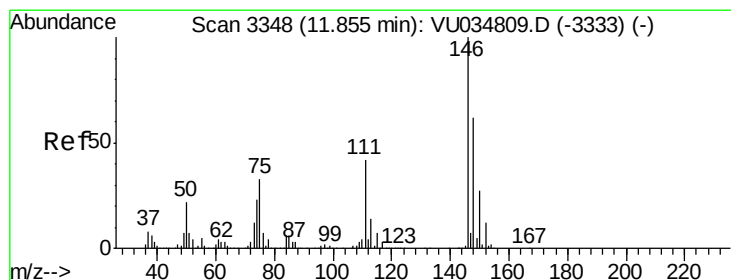
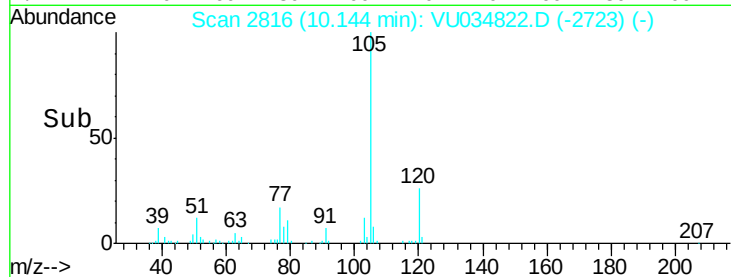
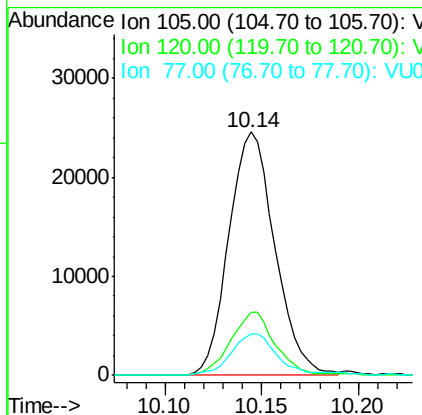
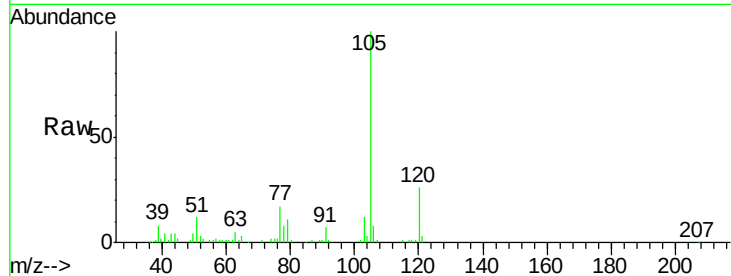
ClientSampleId :

BFDJ5

Tot Ion:	105	Resp:	40716
Ion Ratio	Lower	Upper	
105	100		
120	24.9	20.4	30.6
77	16.8	14.2	21.4

Manual Integrations
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#65

1,2-Dichlorobenzene

Concen: 1.119 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034822.D

Acq: 25 Sep 2019 23:05

Tgt Ion:	146	Resp:	7879
Ion Ratio	Lower	Upper	
146	100		
111	42.5	35.2	52.8
148	88.4	53.0	79.6#

