

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
 Data File : VU034813.D
 Acq On : 25 Sep 2019 19:33
 Operator : JC/SP
 Sample : K4983-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDF2

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:06:24 PM

Quant Time: Sep 26 08:31:03 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	433032	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	418884	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	194259	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	203536	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.82%
7) Chloroethane-d5	1.67	69	174652m	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.94%
11) 1,1-Dichloroethene-d2	2.26	63	272702	36.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.64%
21) 2-Butanone-d5	4.15	46	385582	113.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.49%
24) Chloroform-d	4.62	84	336939	52.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.56%
26) 1,2-Dichloroethane-d4	5.29	65	237986	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
32) Benzene-d6	5.32	84	707688	54.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.02%
36) 1,2-Dichloropropane-d6	6.31	67	250677	55.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.48%
41) Toluene-d8	7.54	98	686282	55.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.12%
43) trans-1,3-Dichloropropene-	7.83	79	110968	51.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.12%
47) 2-Hexanone-d5	8.29	63	270113	118.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.51%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	344995	54.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.58%
64) 1,2-Dichlorobenzene-d4	11.84	152	243798	59.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.70%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	47773	12.088	ug/L	92
15) Methyl Acetate	2.60	43	6733	1.275	ug/L #	88
16) Methylene chloride	2.69	84	46377	12.923	ug/L	93
20) cis-1,2-Dichloroethene	4.20	96	5469	1.510	ug/L	69
33) Benzene	5.37	78	20848	1.435	ug/L	100
34) Trichloroethene	6.17	95	3736	1.041	ug/L	90
42) Toluene	7.61	91	268432	17.097	ug/L	97
52) Ethylbenzene	9.23	91	119673	6.769	ug/L	100
53) m,p-Xylene	9.35	106	161208	25.743	ug/L	91
54) o-xylene	9.76	106	111308	17.971	ug/L	99
56) Isopropylbenzene	10.15	105	17153	1.027	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	21236	3.124	ug/L	96

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

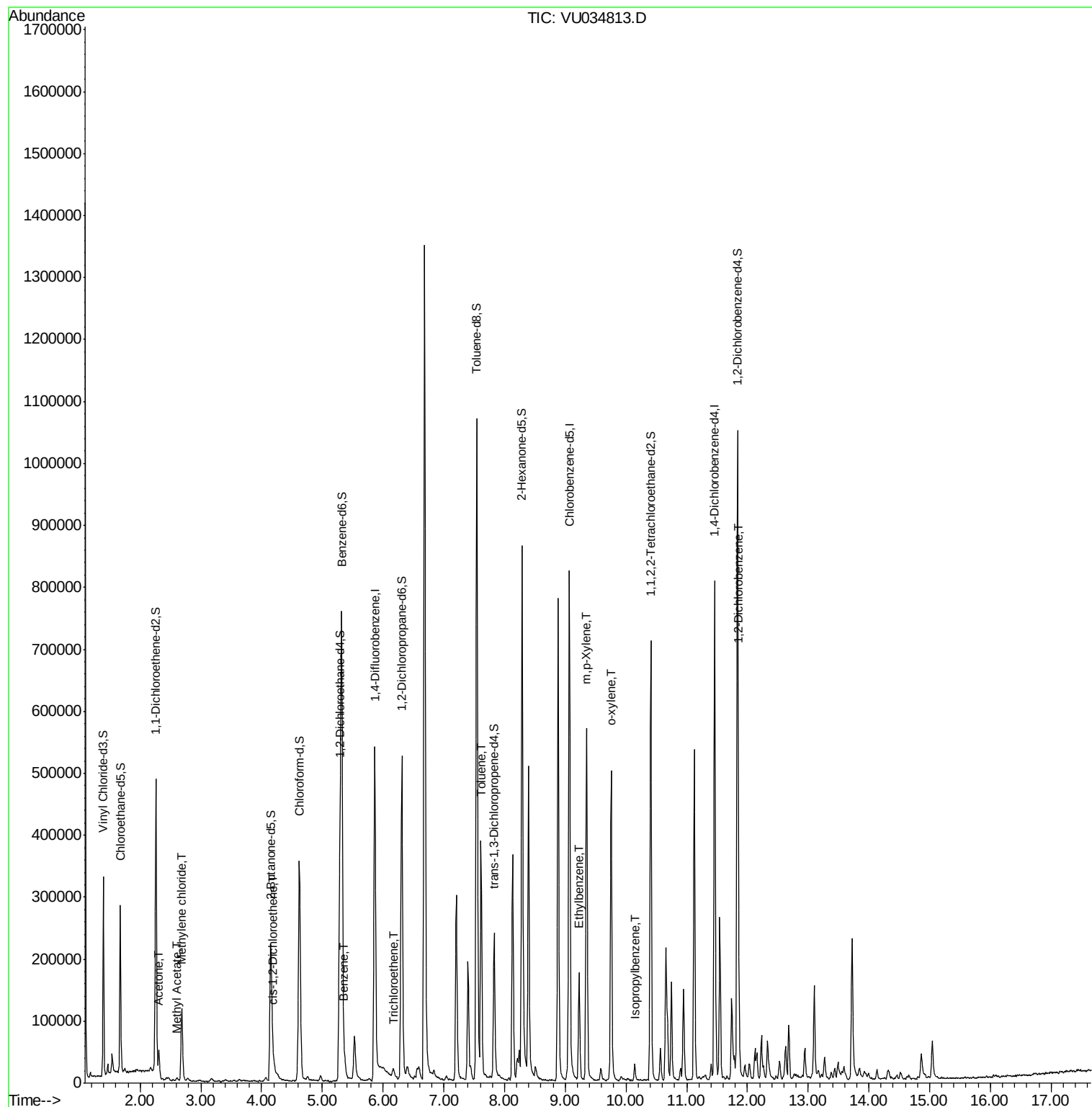
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034813.D
Acq On : 25 Sep 2019 19:33
Operator : JC/SP
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ALS Vial : 24 Sample Multiplier: 1

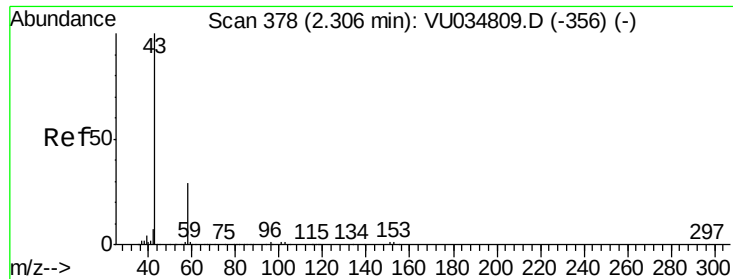
Instrument :
MSVOA_U
ClientSampleId :
BDF2

Manual Integrations
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Quant Time: Sep 26 08:31:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration





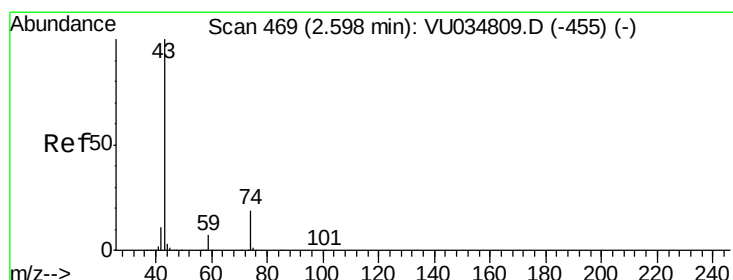
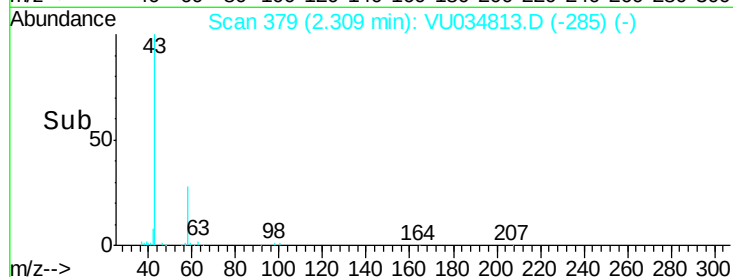
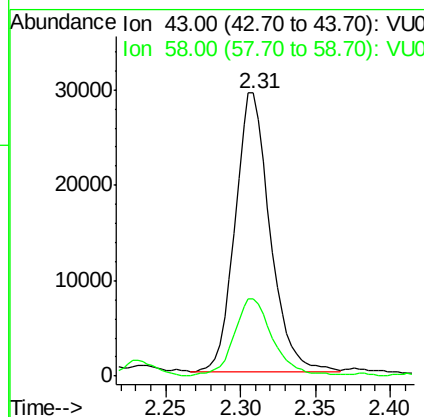
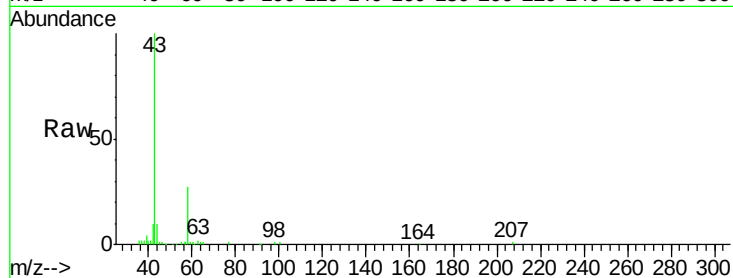
#13
Acetone
Concen: 12.088 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU034813.D
Acq: 25 Sep 2019 19:33

Instrument :
MSVOA_U
ClientSampleId :
BFDF2

Tot Ion	43	Resp	47773
Ion Ratio	Lower	Upper	
43	100		
58	30.6	0.0	53.4

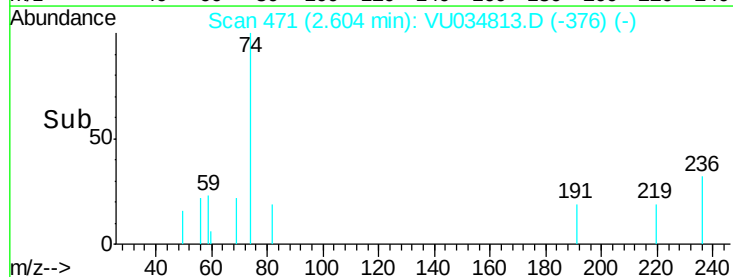
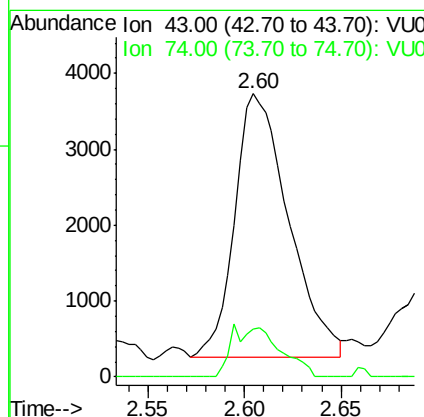
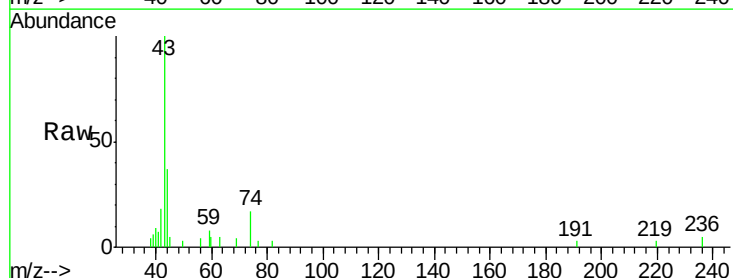
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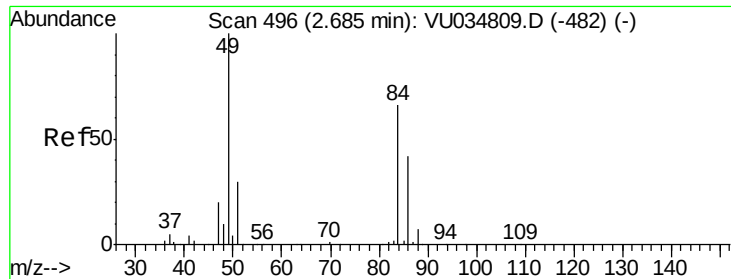
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#15
Methyl Acetate
Concen: 1.275 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034813.D
Acq: 25 Sep 2019 19:33

Tgt Ion	43	Resp	6733
Ion Ratio	Lower	Upper	
43	100		
74	12.6	14.4	21.6#





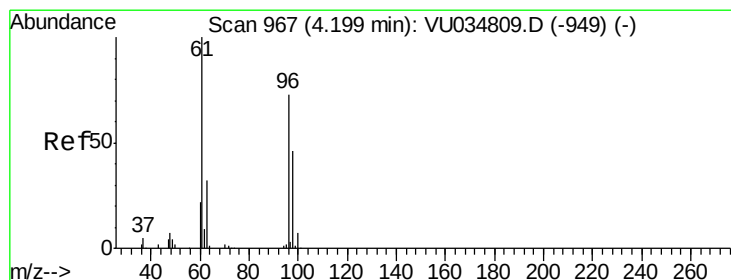
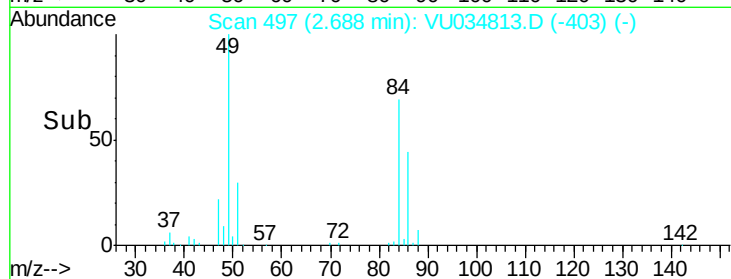
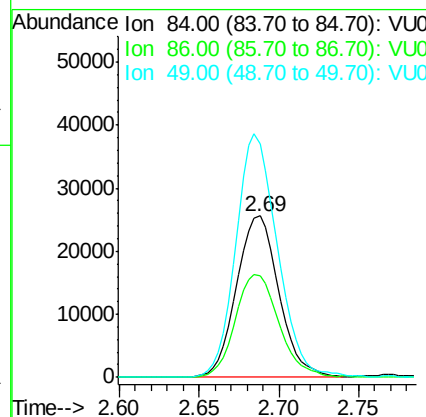
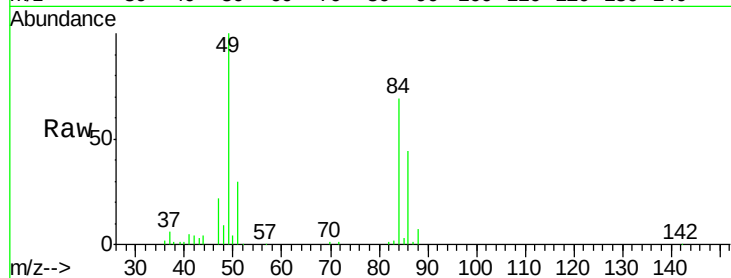
#16
Methylene chloride
Concen: 12.923 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034813.D
Acq: 25 Sep 2019 19:33

Instrument :
MSVOA_U
ClientSampled :
BPDF2

Tot Ion	84	Resp	46377
Ion	Ratio	Lower	Upper
84	100		
86	63.0	43.0	80.0
49	144.8	109.7	203.7

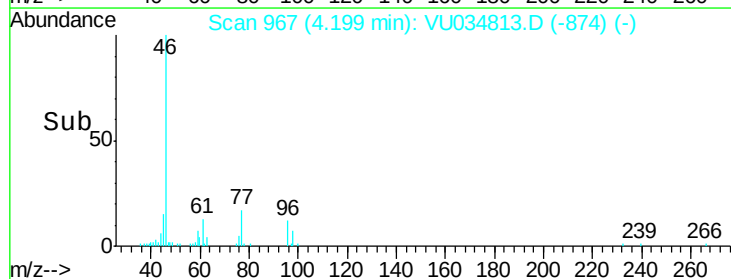
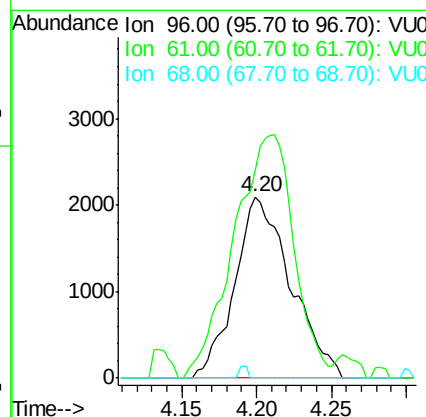
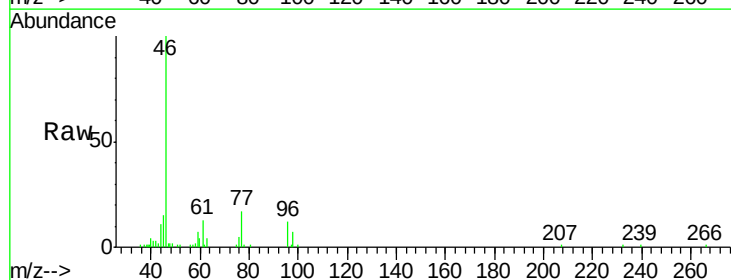
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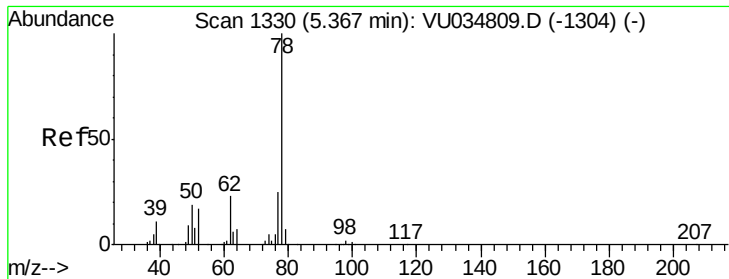
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#20
cis-1,2-Dichloroethene
Concen: 1.510 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034813.D
Acq: 25 Sep 2019 19:33

Tgt Ion	96	Resp	5469
Ion	Ratio	Lower	Upper
96	100		
61	115.0	108.8	202.2
68	0.0	0.0	0.0





#33

Benzene

Concen: 1.435 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU034813.D

Acq: 25 Sep 2019 19:33

Instrument :

MSVOA_U

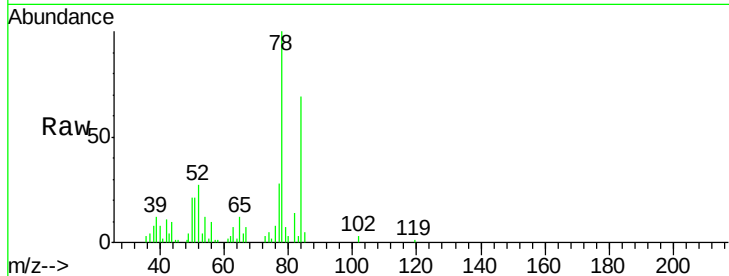
ClientSampled :

BPDF2

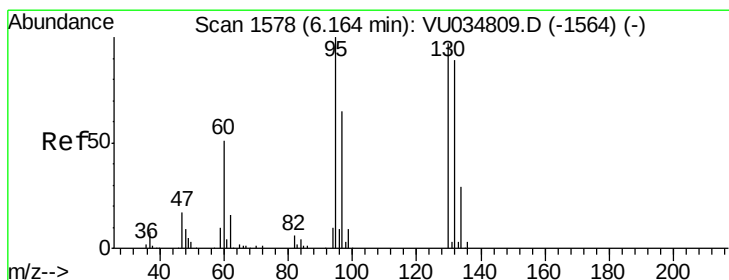
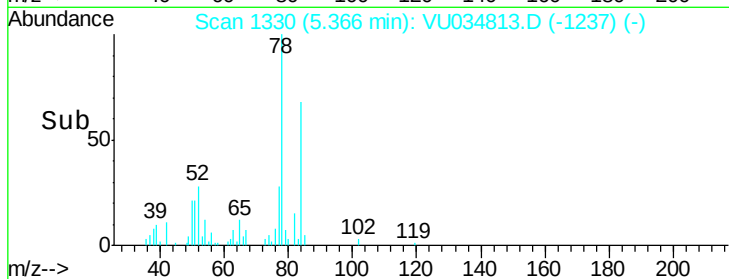
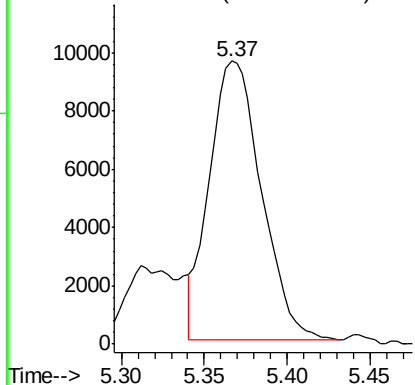
Tgt Ion: 78 Resp: 20848

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 1.041 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034813.D

Acq: 25 Sep 2019 19:33

Tgt Ion: 95 Resp: 3736

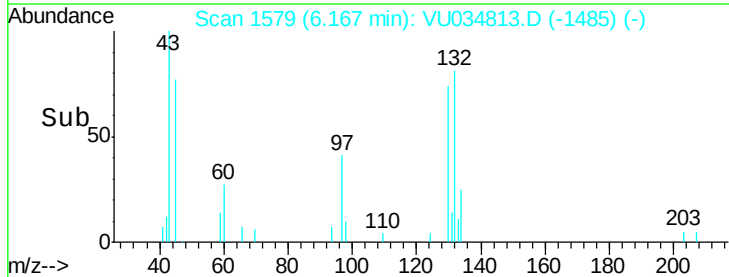
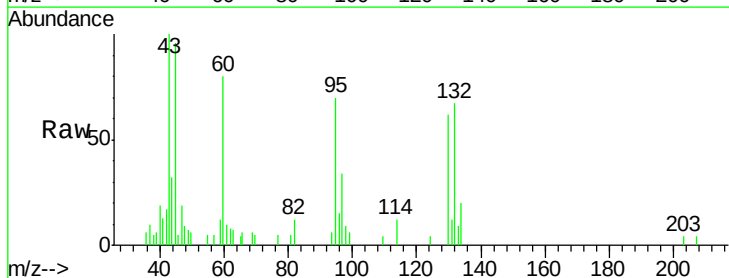
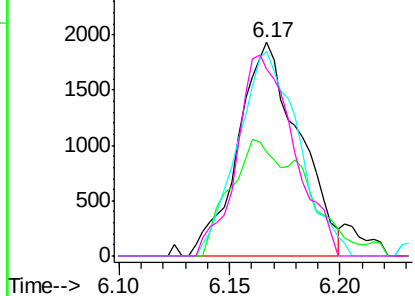
Ion	Ratio	Lower	Upper
95	100		
97	48.4	43.7	81.1
132	95.9	61.0	113.2
130	87.8	65.7	121.9

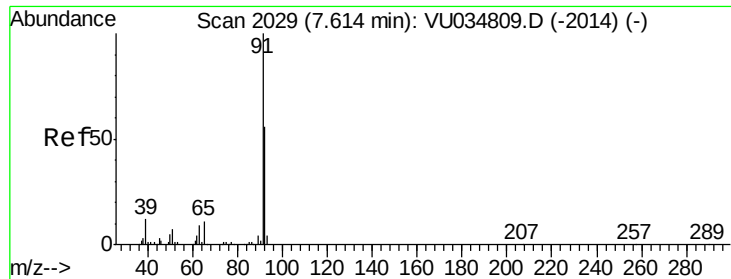
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#42

Toluene

Concen: 17.097 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034813.D

Acq: 25 Sep 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

BPDF2

Tot Ion: 91 Resp: 268432

Ion Ratio Lower Upper

91 100

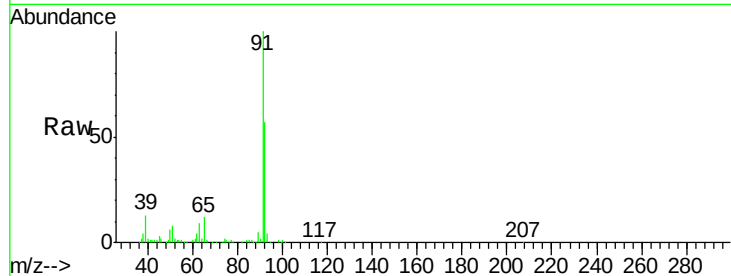
92 56.7 38.2 71.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

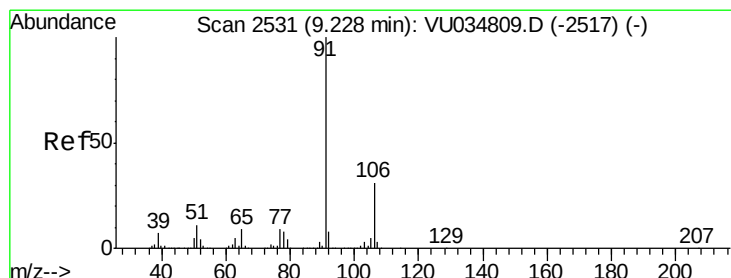
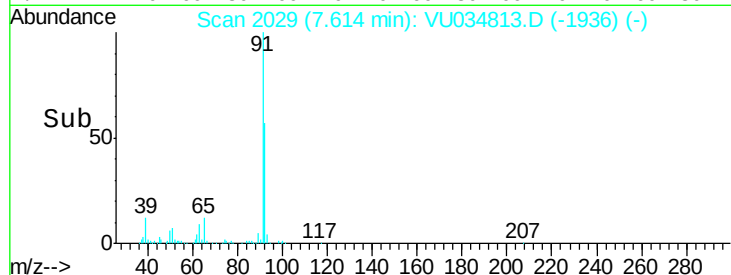
150000

100000

50000

0

Time-->



#52

Ethylbenzene

Concen: 6.769 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034813.D

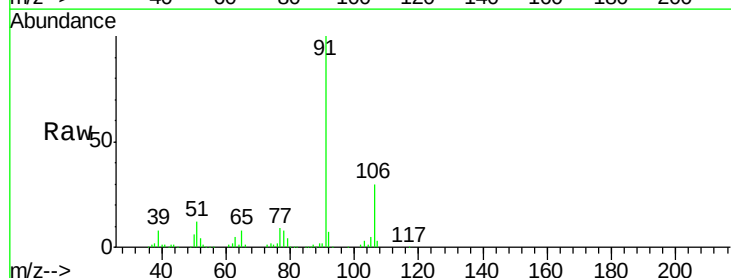
Acq: 25 Sep 2019 19:33

Tgt Ion: 91 Resp: 119673

Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

200000

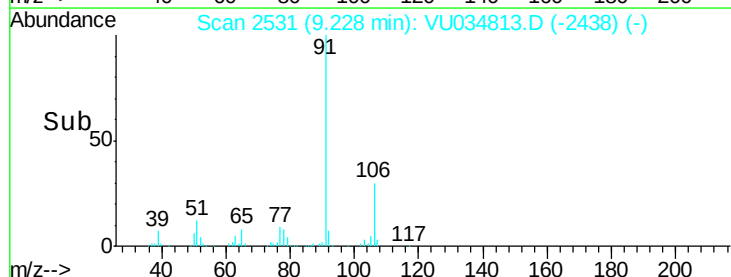
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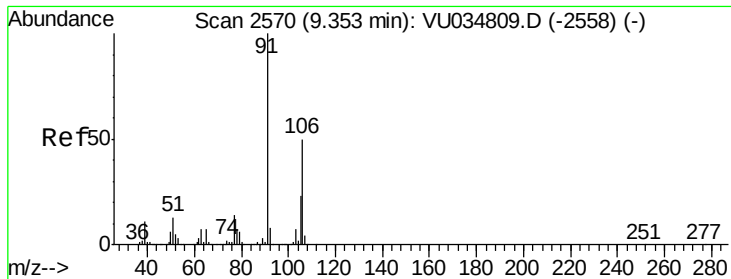
100000

50000

0

Time-->





#53

m,p-Xylene

Concen: 25.743 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034813.D

Acq: 25 Sep 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

BPDF2

Tot Ion:106 Resp: 161208

Ion Ratio Lower Upper

106 100

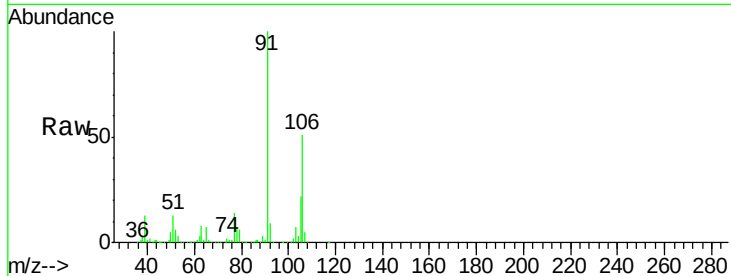
91 196.1 146.9 272.7

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

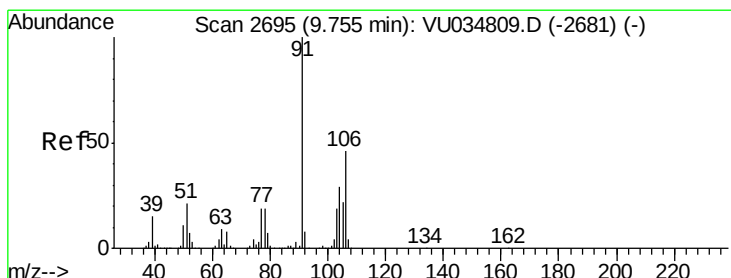
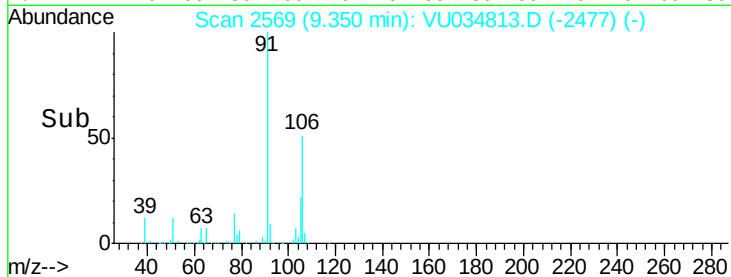
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#54

o-xylene

Concen: 17.971 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034813.D

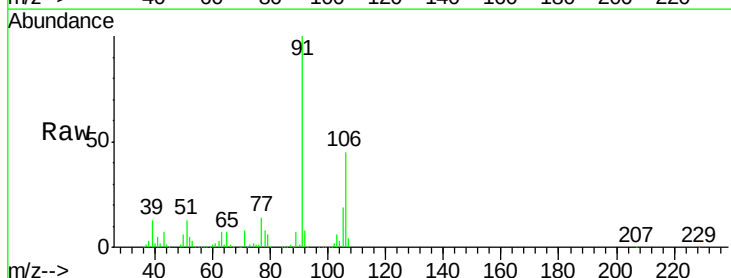
Acq: 25 Sep 2019 19:33

Tgt Ion:106 Resp: 111308

Ion Ratio Lower Upper

106 100

91 221.3 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

150000

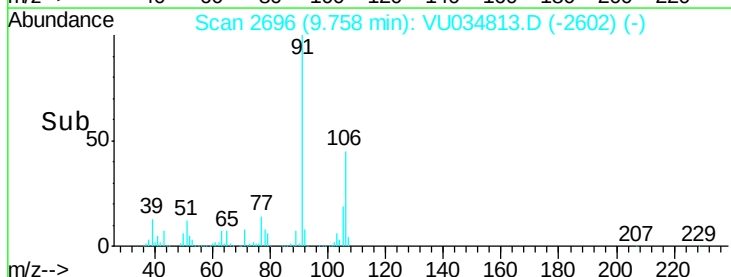
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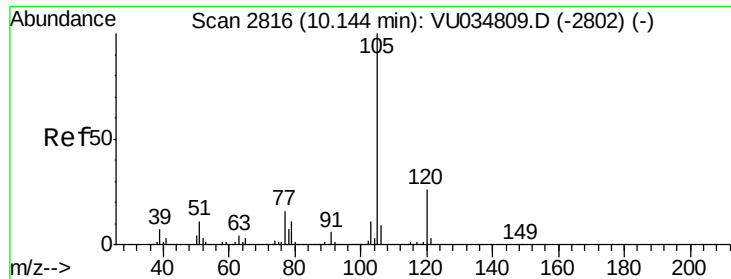
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0

9.70 9.75 9.80

Time-->





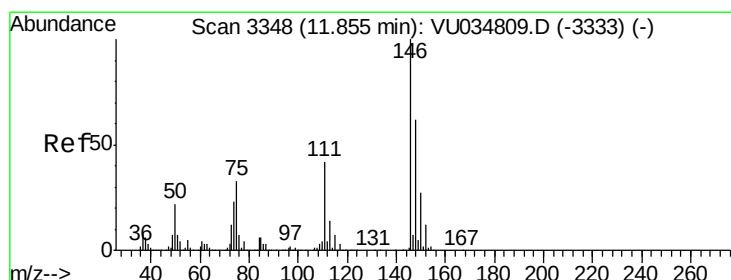
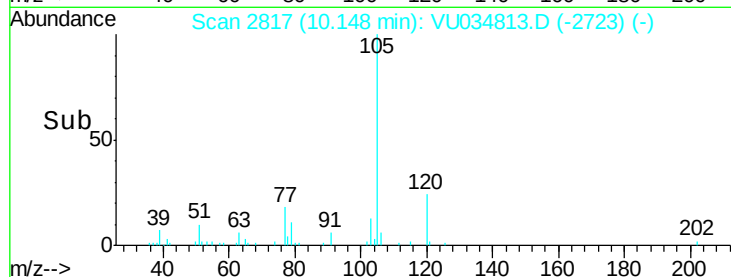
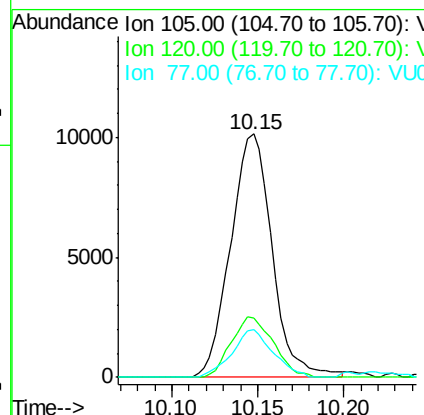
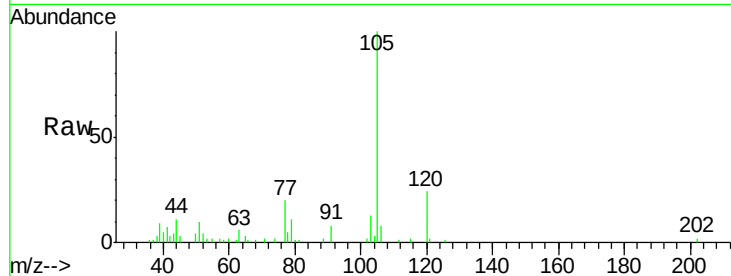
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Isopropylbenzene
Concen: 1.027 ug/L
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU034813.D
Acq: 25 Sep 2019 19:33

Instrument :
MSVOA_U
ClientSampled :
BPDF2

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.4	30.6
77	19.3	14.2	21.4

Manual Integrations
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9/26/2019 1:06:24 PM



#65
1,2-Dichlorobenzene
Concen: 3.124 ug/L
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU034813.D
Acq: 25 Sep 2019 19:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	35.2	52.8
148	69.4	53.0	79.6

