

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
 Data File : VU034823.D
 Acq On : 25 Sep 2019 23:28
 Operator : JC/SP
 Sample : K4983-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDM8

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:42:32 PM

Quant Time: Sep 26 13:24:59 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	430627	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	405958	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	190312	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	184394	41.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.66%
7) Chloroethane-d5	1.67	69	168010	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.62%
11) 1,1-Dichloroethene-d2	2.26	63	253532	33.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.92%
21) 2-Butanone-d5	4.15	46	443139	131.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.15%#
24) Chloroform-d	4.62	84	321633m	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.36%
26) 1,2-Dichloroethane-d4	5.29	65	226452	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.14%
32) Benzene-d6	5.32	84	694669	55.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.42%
36) 1,2-Dichloropropane-d6	6.31	67	241277	54.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.72%
41) Toluene-d8	7.54	98	660534	55.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.36%
43) trans-1,3-Dichloropropene-	7.83	79	105154	49.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.84%
47) 2-Hexanone-d5	8.29	63	301484	136.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	136.49%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	339400	55.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.24%
64) 1,2-Dichlorobenzene-d4	11.84	152	240490	60.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	120.52%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	162996	41.472	ug/L	95
16) Methylene chloride	2.68	84	48544	13.602	ug/L	94
22) 2-Butanone	4.25	43	53713	11.487	ug/L	80
33) Benzene	5.37	78	82290	5.845	ug/L	100
34) Trichloroethene	6.17	95	6125	1.761	ug/L	90
42) Toluene	7.62	91	127767	8.397	ug/L	97
51) Chlorobenzene	9.10	112	25928	2.803	ug/L	99
52) Ethylbenzene	9.23	91	121219	7.074	ug/L	99
53) m,p-Xylene	9.35	106	86646	14.277	ug/L	92
54) o-xylene	9.76	106	67984	11.325	ug/L	92
56) Isopropylbenzene	10.15	105	47200	2.916	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	9402	1.400	ug/L	92
65) 1,2-Dichlorobenzene	11.86	146	63992	9.610	ug/L	99

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

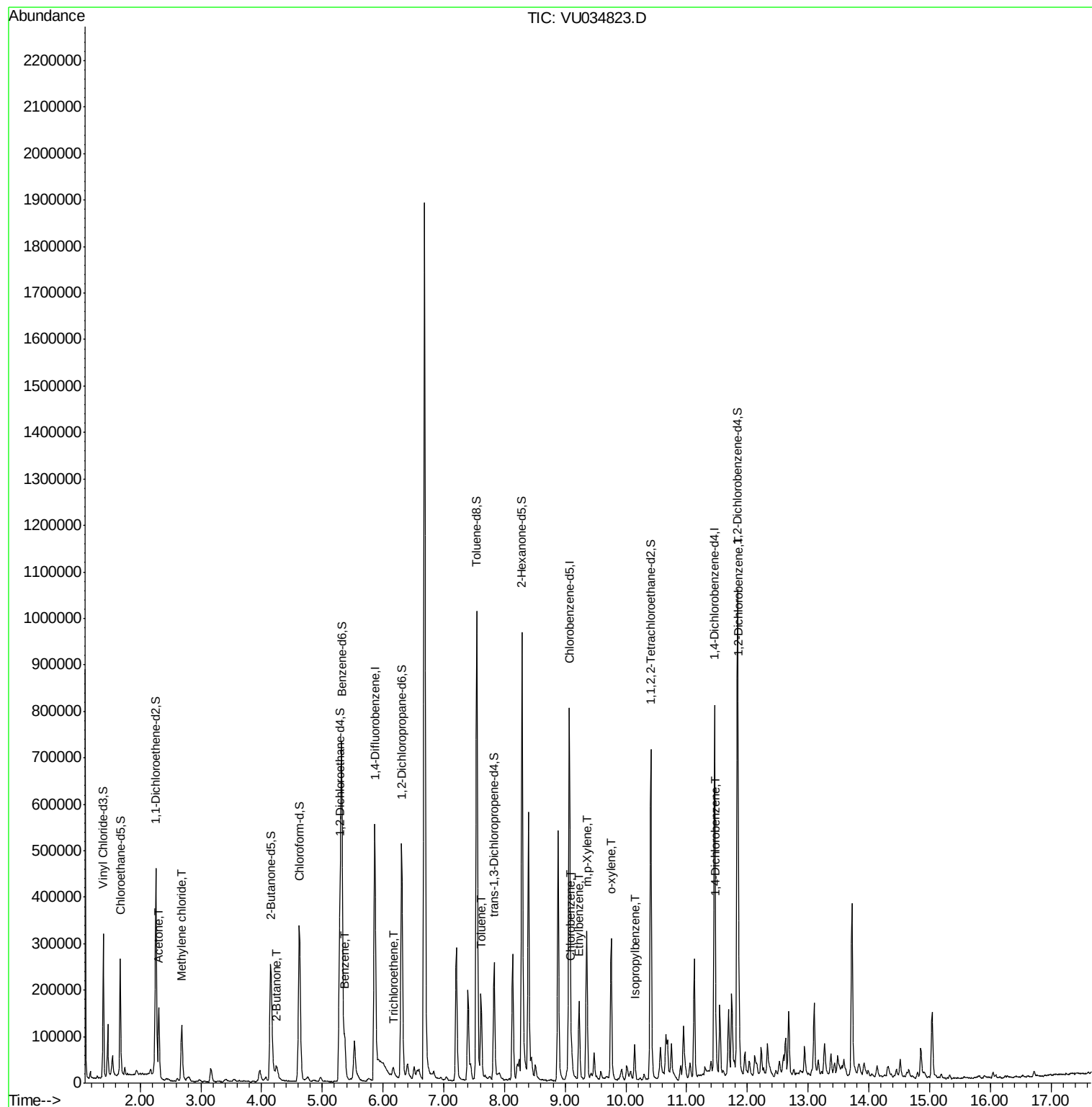
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034823.D
Acq On : 25 Sep 2019 23:28
Operator : JC/SP
Sample : K4983-13
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ALS Vial : 34 Sample Multiplier: 1

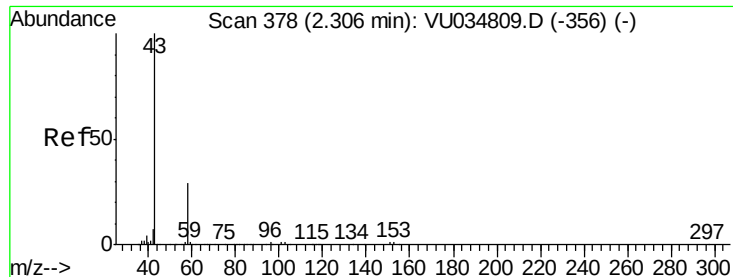
Instrument :
MSVOA_U
ClientSampleId :
BFD8

Manual Integrations
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Quant Time: Sep 26 13:24:59 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: 41.472 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Instrument :

MSVOA_U

ClientSampled :

BFDM8

Tot Ion: 43 Resp: 162996

Ion Ratio Lower Upper

43 100

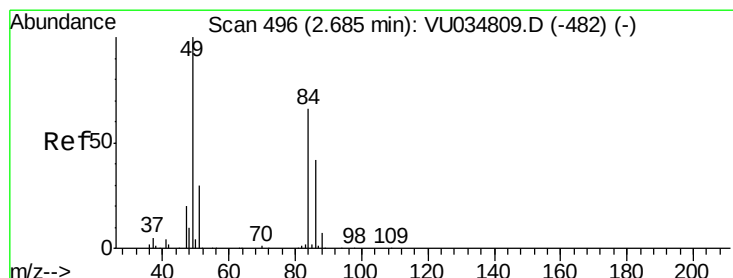
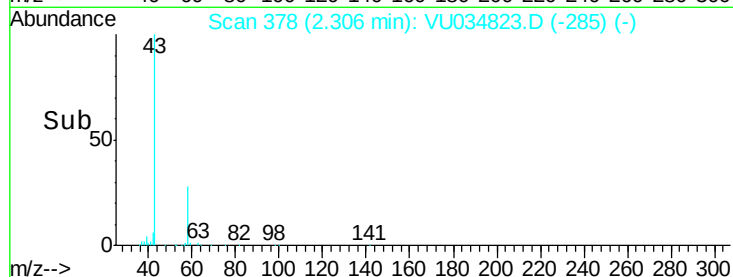
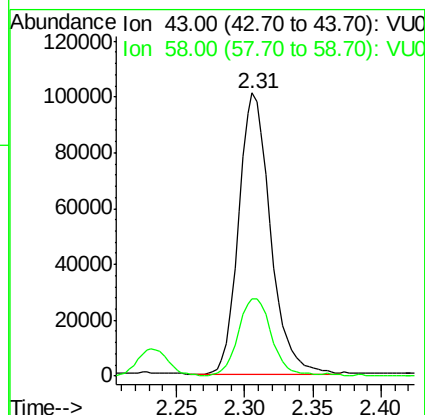
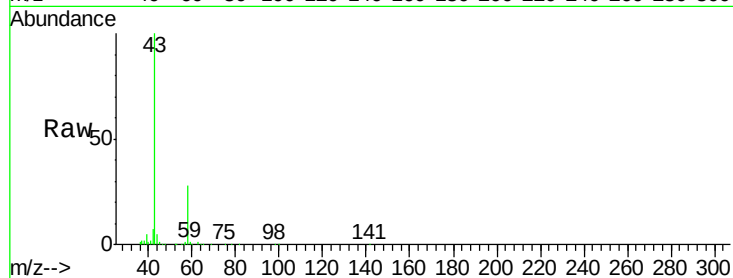
58 29.1 0.0 53.4

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#16

Methylene chloride

Concen: 13.602 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

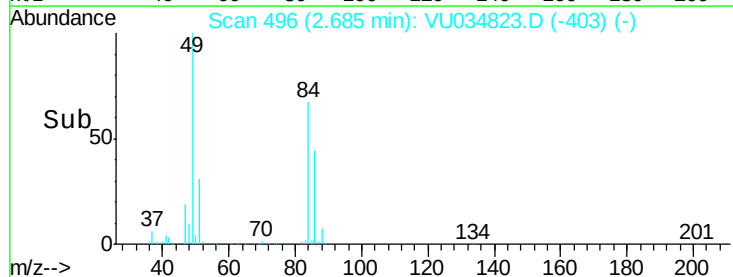
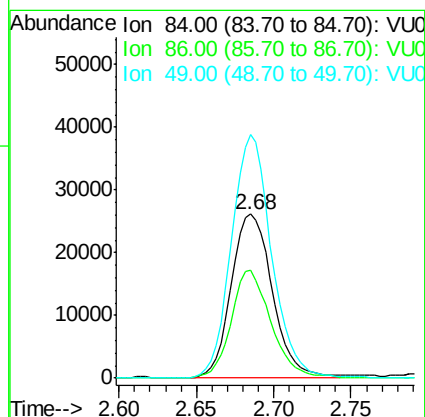
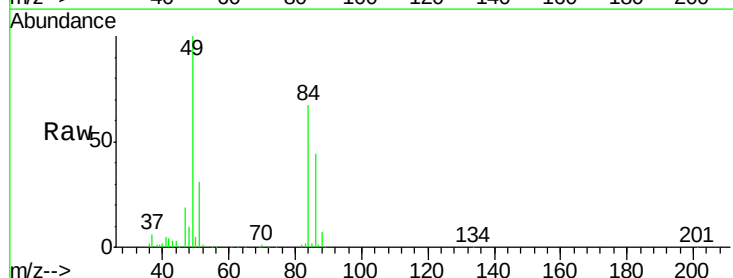
Tgt Ion: 84 Resp: 48544

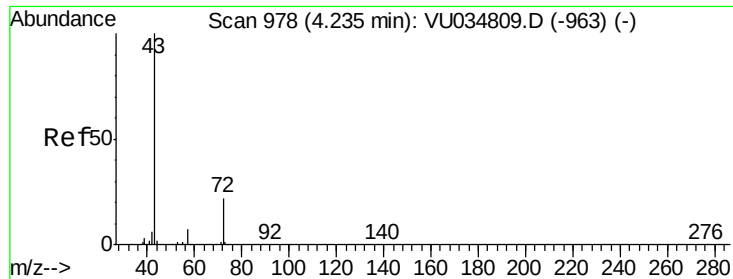
Ion Ratio Lower Upper

84 100

86 65.5 43.0 80.0

49 148.5 109.7 203.7





#22

2-Butanone

Concen: 11.487 ug/L

RT: 4.25 min Scan# 982

Delta R.T. 0.01 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Instrument :

MSVOA_U

ClientSampleId :

BFDM8

Tot Ion: 43 Resp: 53713

Ion Ratio Lower Upper

43 100

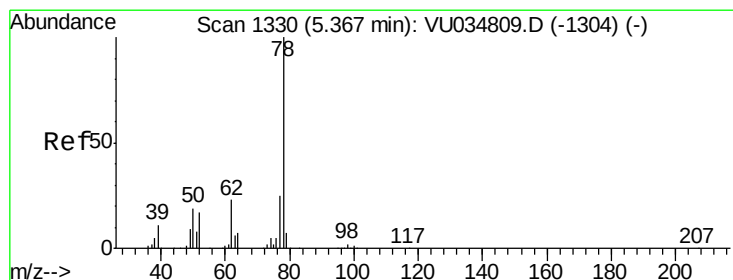
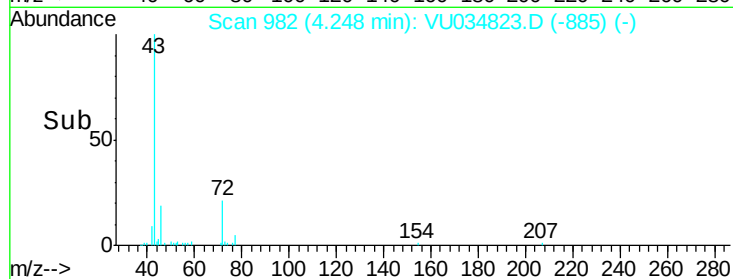
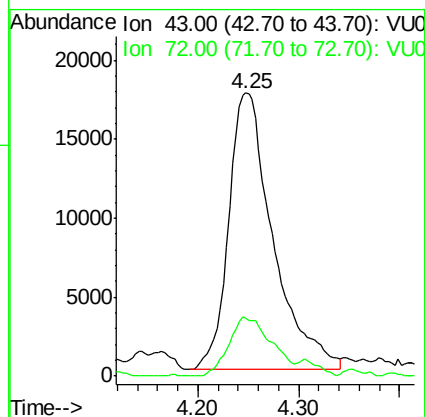
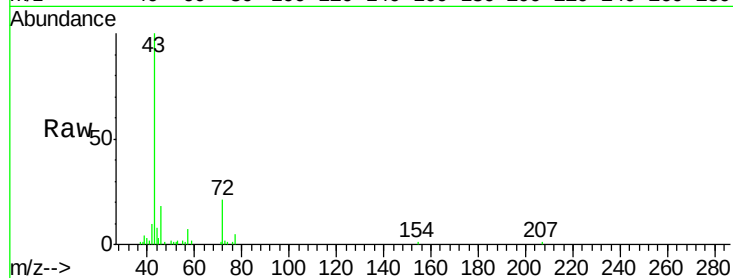
72 11.3 10.2 30.6

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#33

Benzene

Concen: 5.845 ug/L

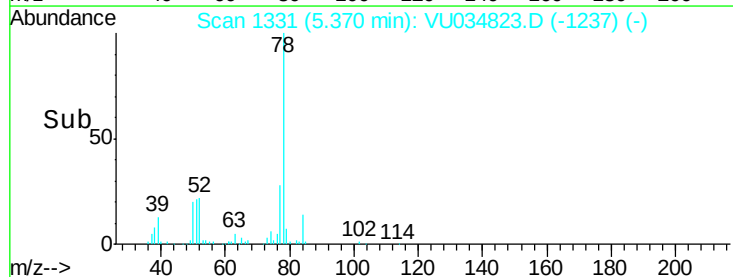
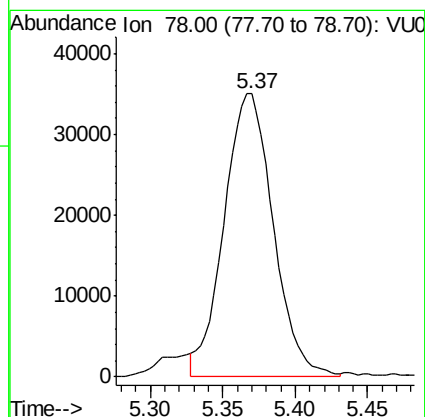
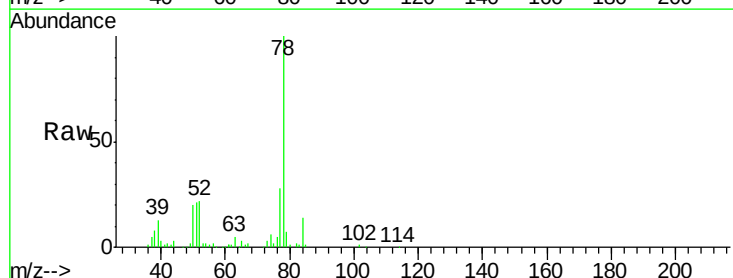
RT: 5.37 min Scan# 1331

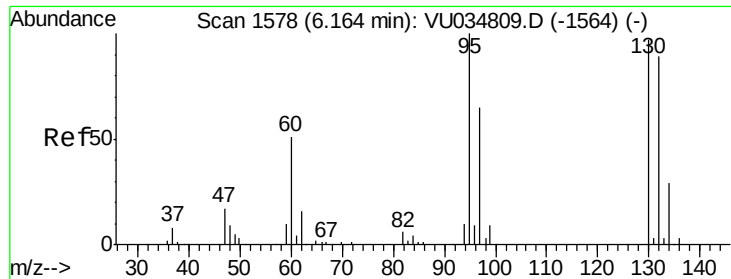
Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Tgt Ion: 78 Resp: 82290





#34

Trichloroethene

Concen: 1.761 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Instrument :

MSVOA_U

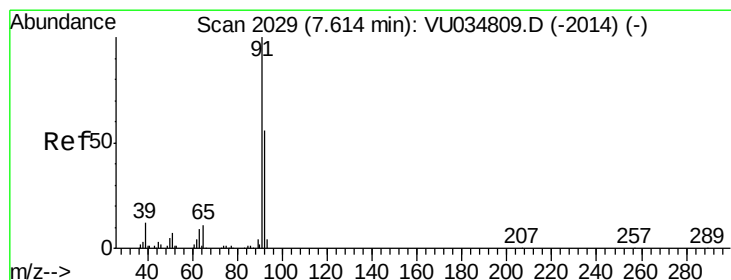
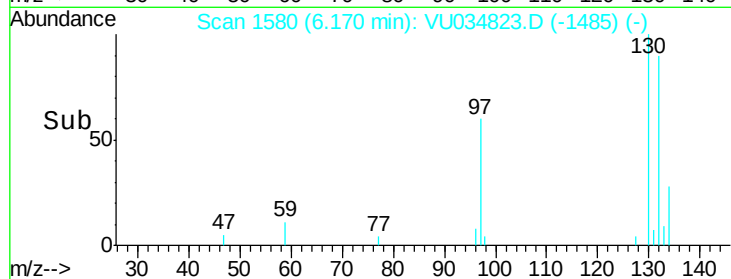
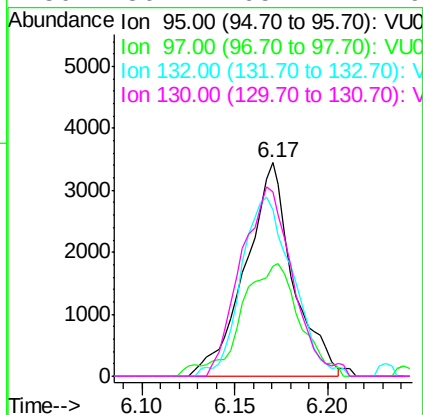
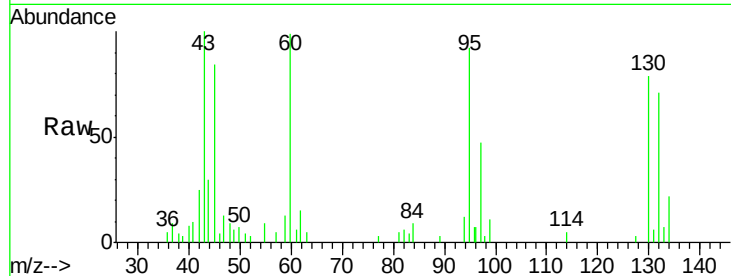
ClientSampled :

BFDM8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		6125		
97	51.5	43.7	81.1		
132	77.8	61.0	113.2		
130	86.2	65.7	121.9		

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#42

Toluene

Concen: 8.397 ug/L

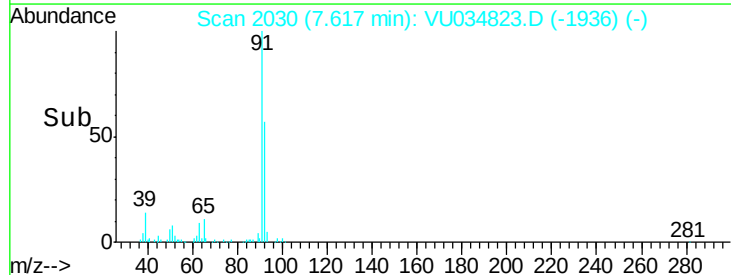
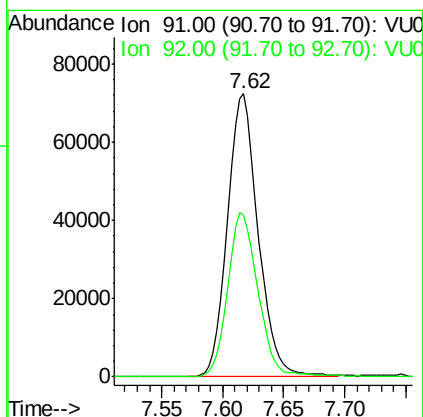
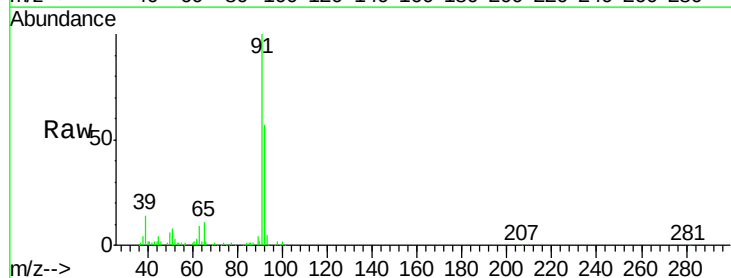
RT: 7.62 min Scan# 2030

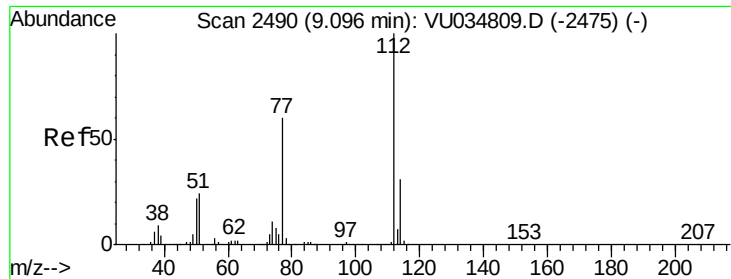
Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		127767		
92	57.1	38.2	71.0		





#51

Chlorobenzene

Concen: 2.803 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Instrument :

MSVOA_U

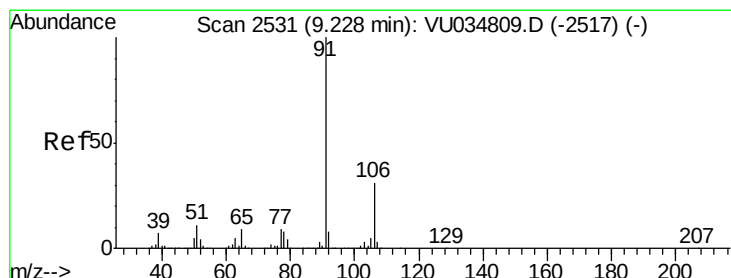
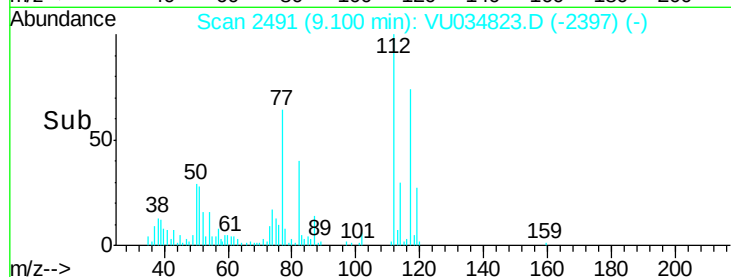
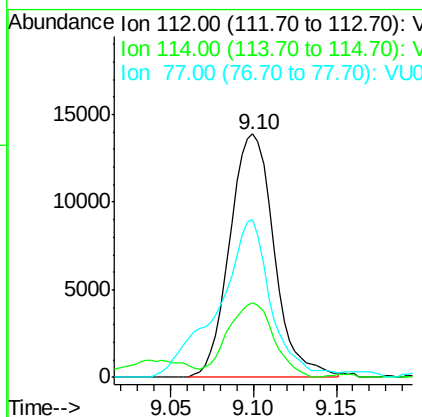
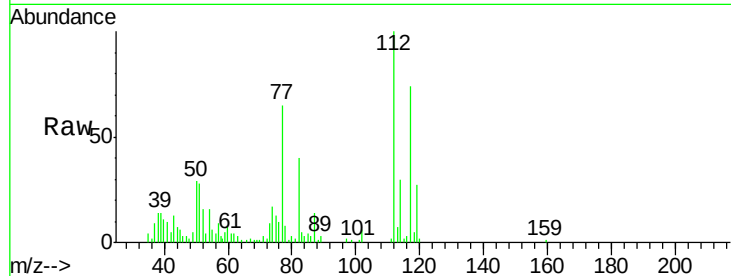
ClientSampleId :

BFDM8

Tot Ion:	112	Resp:	25928
Ion Ratio	Lower	Upper	
112	100		
114	30.5	22.8	42.4
77	64.6	51.5	77.3

Manual Integrations
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#52

Ethylbenzene

Concen: 7.074 ug/L

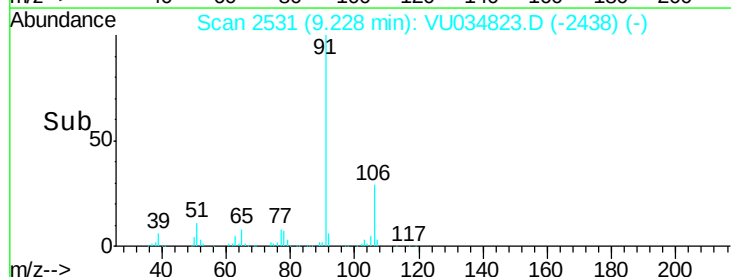
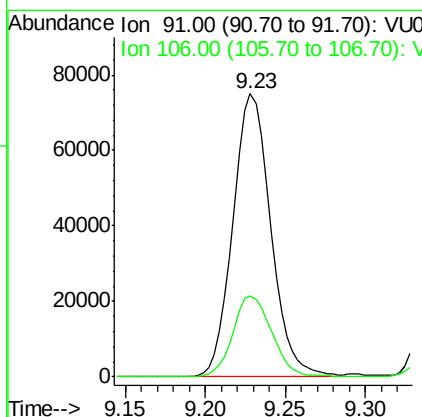
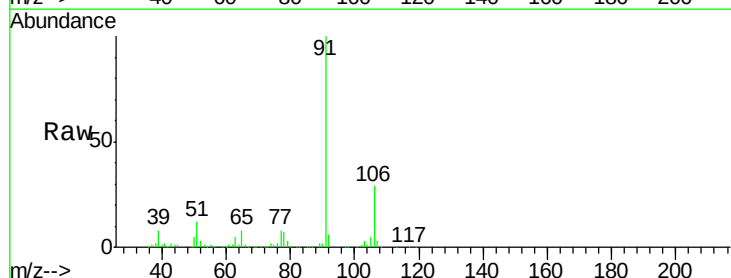
RT: 9.23 min Scan# 2531

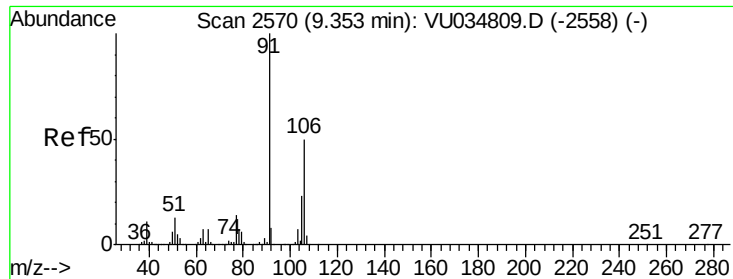
Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Tgt Ion:	91	Resp:	121219
Ion Ratio	Lower	Upper	
91	100		
106	28.7	20.6	38.4





#53

m,p-Xylene

Concen: 14.277 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Instrument :

MSVOA_U

ClientSampleId :

BFDM8

Tot Ion:106 Resp: 86646

Ion Ratio Lower Upper

106 100

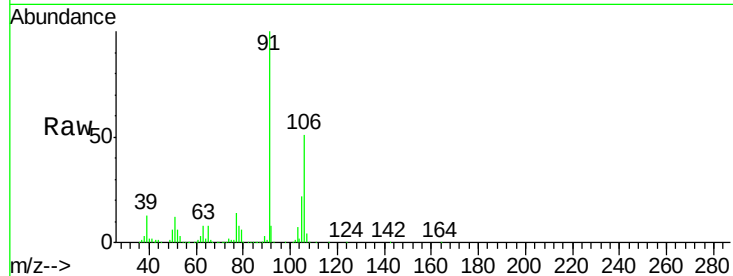
91 197.3 146.9 272.7

Manual Integrations

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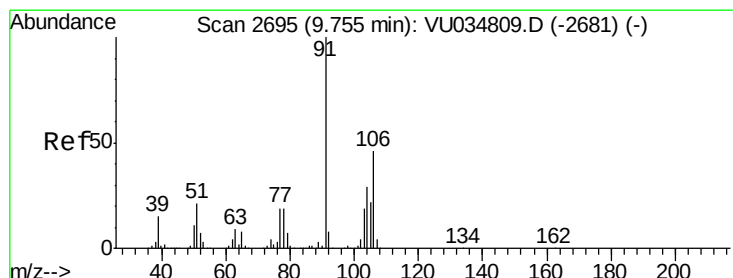
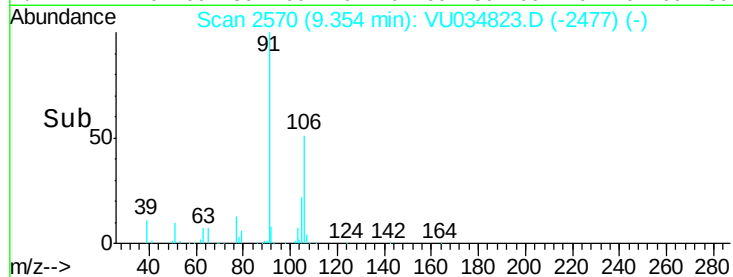
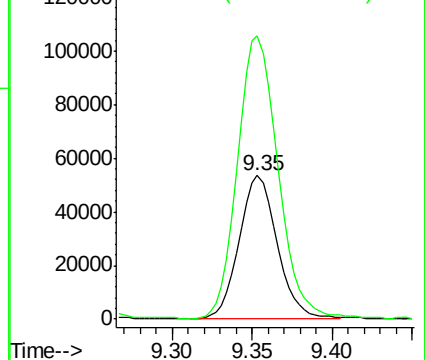
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 11.325 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034823.D

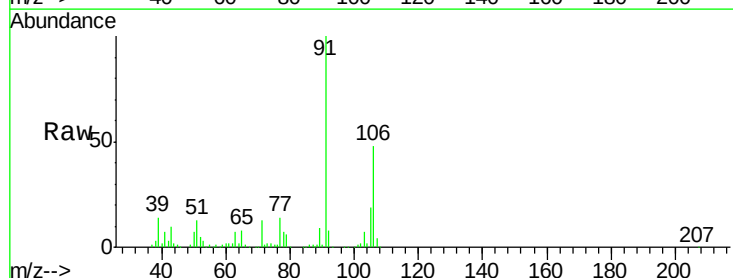
Acq: 25 Sep 2019 23:28

Tgt Ion:106 Resp: 67984

Ion Ratio Lower Upper

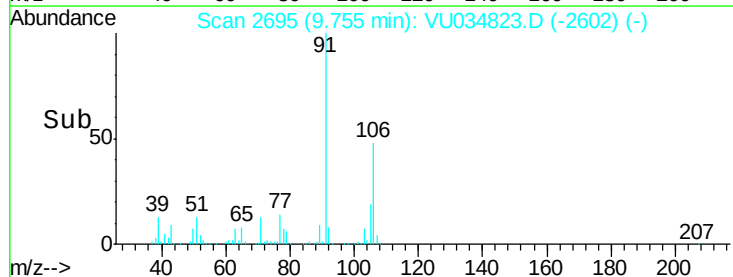
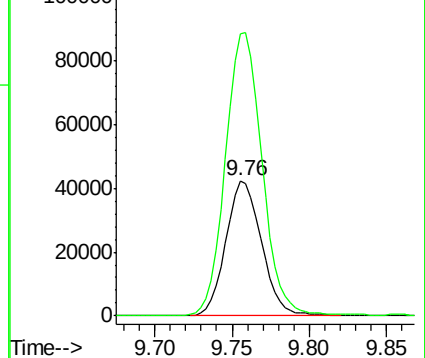
106 100

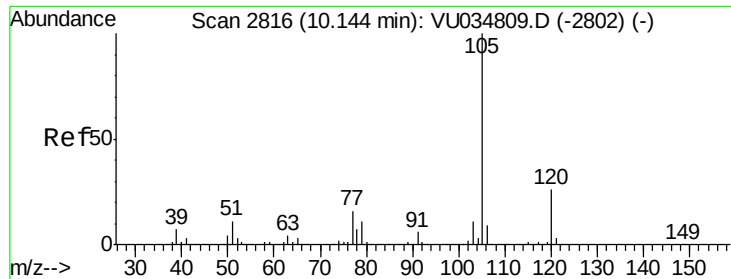
91 209.4 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 2.916 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Instrument :

MSVOA_U

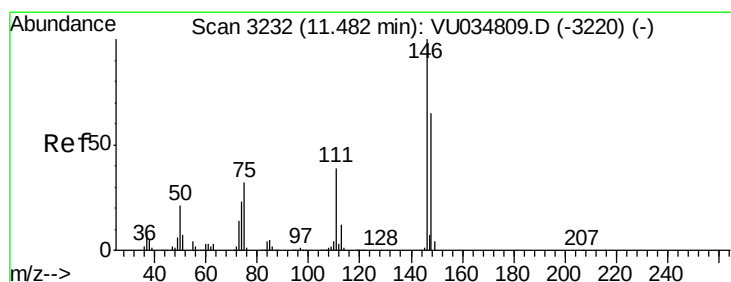
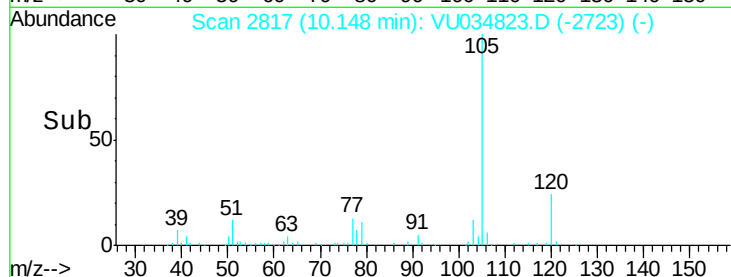
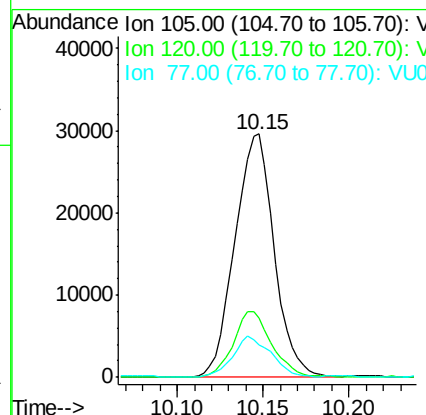
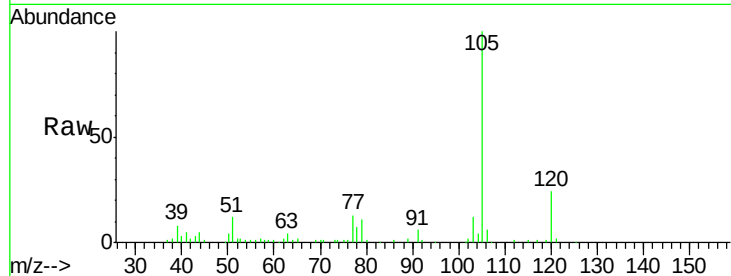
ClientSampleId :

BFDMS

Tot Ion:	105	Resp:	47200
Ion Ratio	Lower	Upper	
105	100		
120	26.4	20.4	30.6
77	16.6	14.2	21.4

Manual Integrations
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#63

1,4-Dichlorobenzene

Concen: 1.400 ug/L

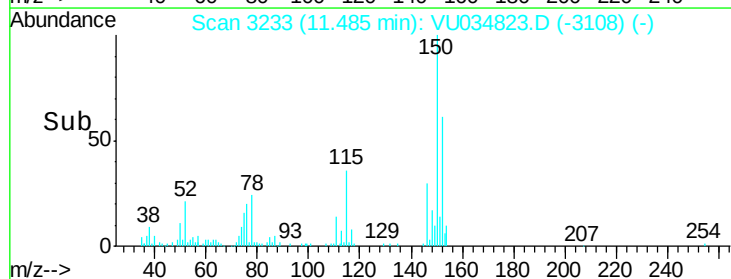
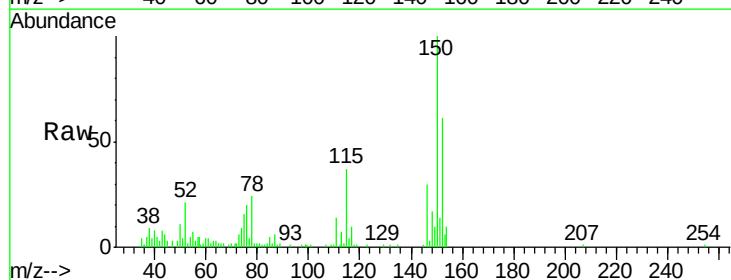
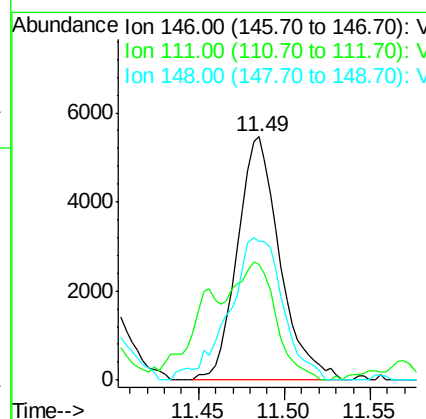
RT: 11.49 min Scan# 3233

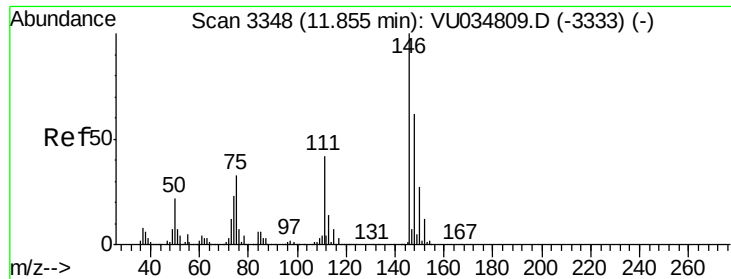
Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Tgt Ion:	146	Resp:	9402
Ion Ratio	Lower	Upper	
146	100		
111	47.3	29.5	54.9
148	57.0	44.4	82.4





#65

1,2-Dichlorobenzene

Concen: 9.610 ug/L

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034823.D

Acq: 25 Sep 2019 23:28

Instrument :

MSVOA_U

ClientSampleId :

BFDM8

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	35.2	52.8
148	67.5	53.0	79.6

Manual Integrations
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9/26/2019 1:42:32 PM

