

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
 Data File : VU034673.D
 Acq On : 20 Sep 2019 01:43
 Operator : JC/SP
 Sample : K4895-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDG1

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:46:35 PM

Quant Time: Sep 20 07:20:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 20 04:02:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	499110	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	477468	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	228039	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	221078	43.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.54%
7) Chloroethane-d5	1.67	69	182483	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.42%
11) 1,1-Dichloroethene-d2	2.26	63	300667	34.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.50%
21) 2-Butanone-d5	4.15	46	402436	102.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.77%
24) Chloroform-d	4.62	84	353048	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
26) 1,2-Dichloroethane-d4	5.29	65	256041	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
32) Benzene-d6	5.32	84	705597	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
36) 1,2-Dichloropropane-d6	6.31	67	247821	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.82%
41) Toluene-d8	7.54	98	667596	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%
43) trans-1,3-Dichloropropene-	7.83	79	113486	45.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.62%
47) 2-Hexanone-d5	8.29	63	268204	103.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.23%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	337083	46.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.92%
64) 1,2-Dichlorobenzene-d4	11.84	152	231603	48.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.86%

Target Compounds

					Ovalue
13) Acetone	2.31	43	141267	31.011 ug/L	99
15) Methyl Acetate	2.61	43	8286m	1.362 ug/L	
16) Methylene chloride	2.68	84	5536	1.338 ug/L	96
22) 2-Butanone	4.25	43	48094	8.874 ug/L	96
29) Cyclohexane	4.97	56	6591	0.836 ug/L #	41
33) Benzene	5.37	78	199666	12.057 ug/L	100
35) Methylcyclohexane	6.39	83	7932	1.143 ug/L	90
42) Toluene	7.62	91	345105	19.283 ug/L	98
51) Chlorobenzene	9.10	112	89631	8.239 ug/L	97
52) Ethylbenzene	9.23	91	235943	11.708 ug/L	100
53) m,p-Xylene	9.35	106	270198	37.853 ug/L	97
54) o-xylene	9.76	106	143139	20.274 ug/L	98
56) Isopropylbenzene	10.14	105	100995	5.305 ug/L	98
63) 1,4-Dichlorobenzene	11.48	146	19711	2.450 ug/L	91
65) 1,2-Dichlorobenzene	11.85	146	41629	5.217 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.33	75	2181	1.286 ug/L #	10

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Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

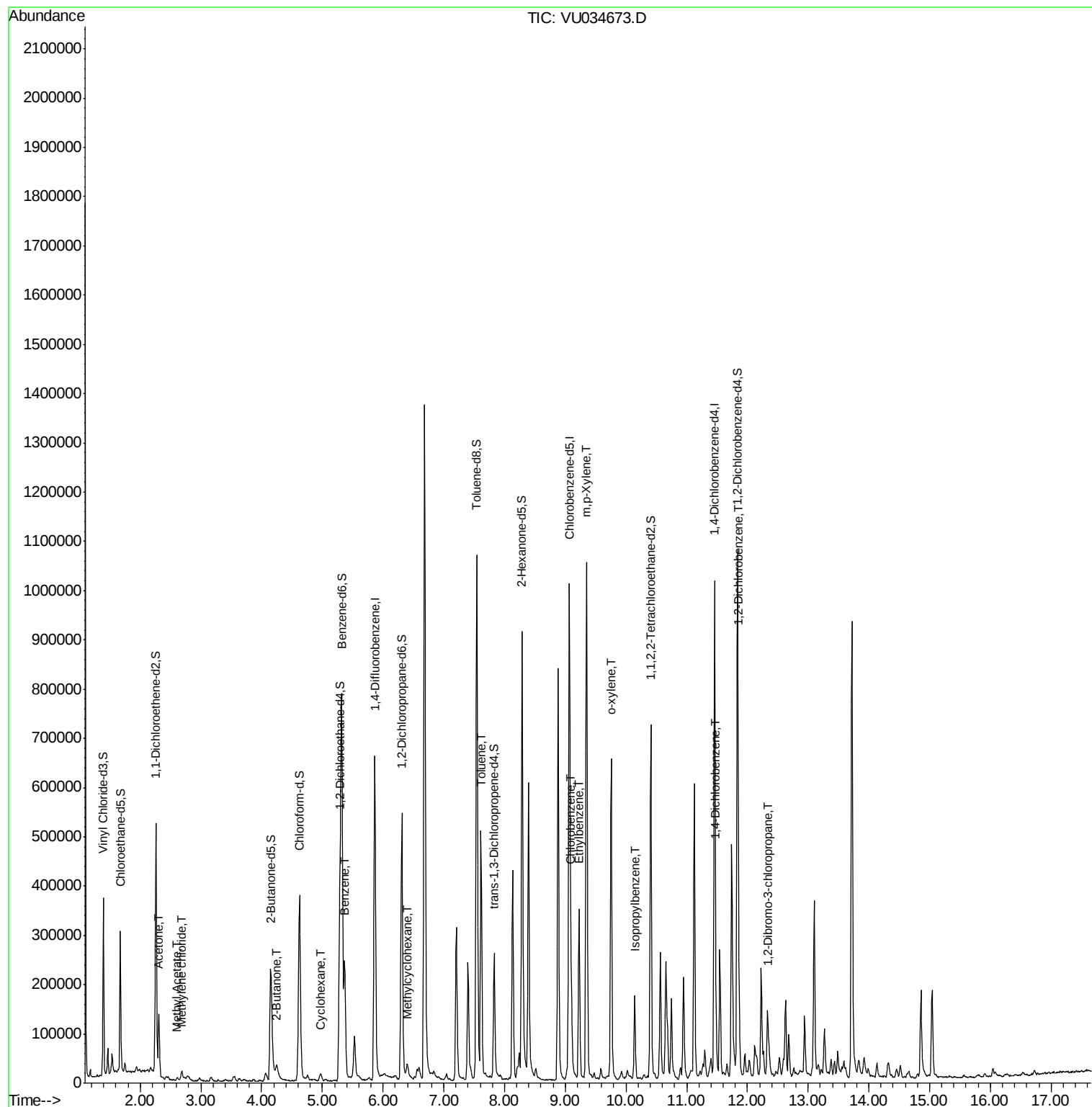
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034673.D
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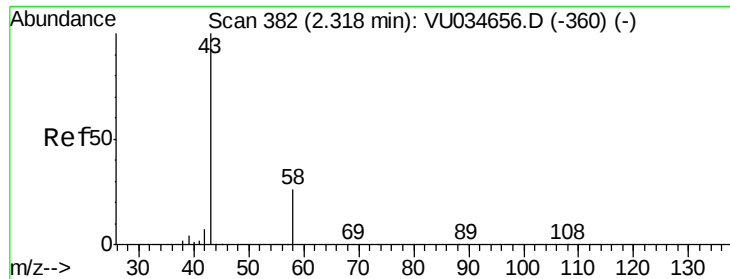
Instrument :
MSVOA_U
ClientSampleId :
BFDG1

Manual Integrations
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Quant Time: Sep 20 07:20:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration





#13

Acetone

Concen: 31.011 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VU034673.D

Acq: 20 Sep 2019 01:43

Instrument :

MSVOA_U

ClientSampled :

BFDG1

Tot Ion: 43 Resp: 141267

Ion Ratio Lower Upper

43 100

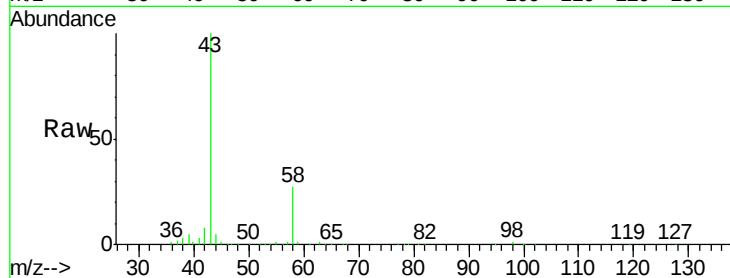
58 27.4 0.0 53.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034673.D (-378) (-)

Ion 58.00 (57.70 to 58.70): VU034673.D (-378) (-)

2.31

80000

60000

40000

20000

0

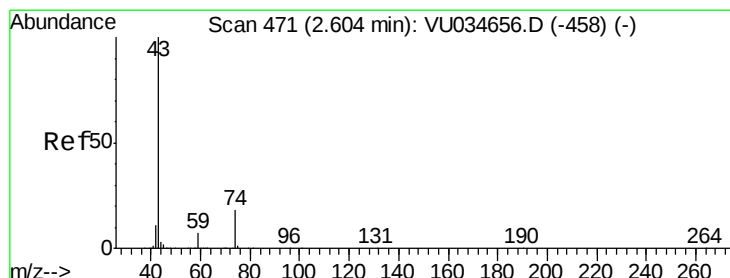
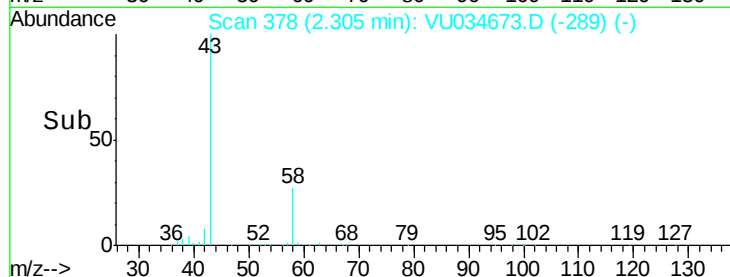
Time-->

2.25

2.30

2.35

2.40



#15

Methyl Acetate

Concen: 1.362 ug/L m

RT: 2.61 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU034673.D

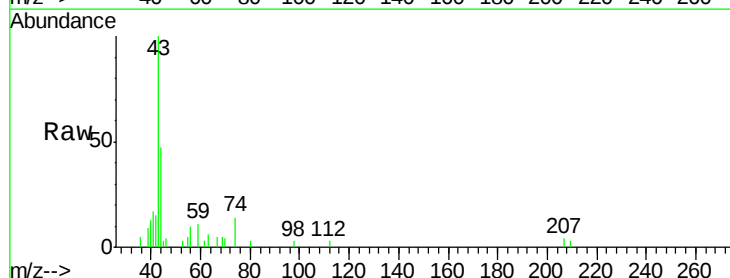
Acq: 20 Sep 2019 01:43

Tgt Ion: 43 Resp: 8286

Ion Ratio Lower Upper

43 100

74 0.7 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VU034673.D (-378) (-)

Ion 74.00 (73.70 to 74.70): VU034673.D (-378) (-)

2.61

4000

3000

2000

1000

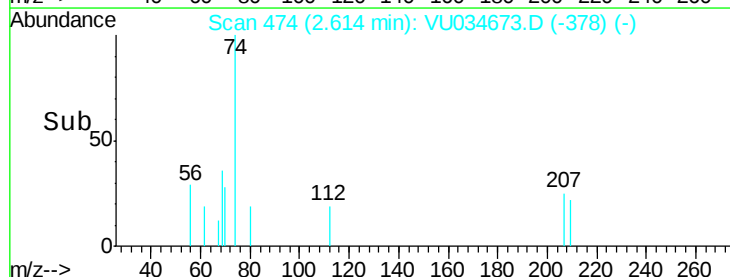
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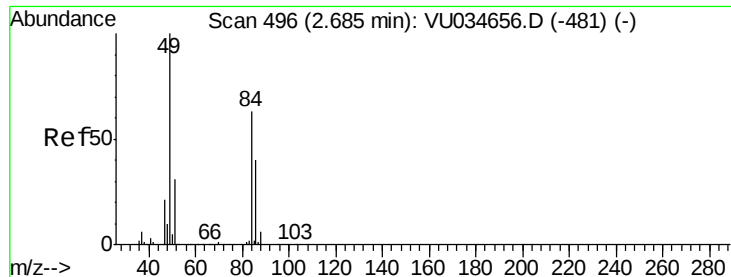
Time-->

2.55

2.60

2.65





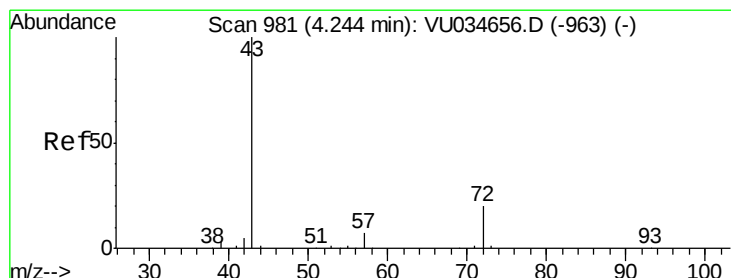
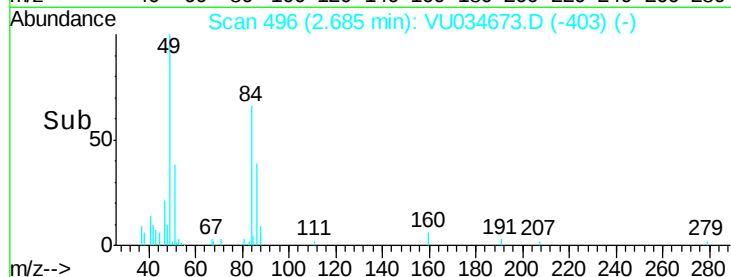
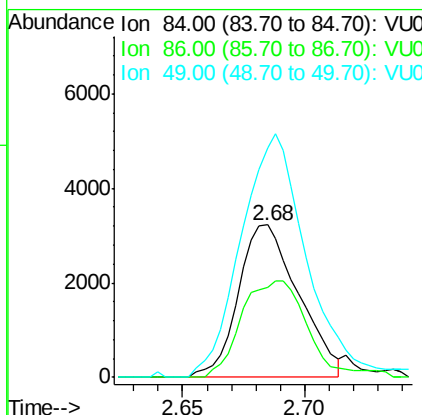
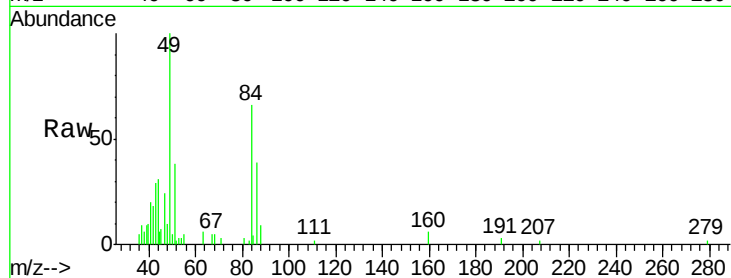
#16
Methvlene chloride
Concen: 1.338 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

Instrument :
MSVOA_U
ClientSampleId :
BFDG1

Tot Ion	84	Resp	5536
Ion Ratio	Lower	Upper	
84	100		
86	59.0	43.0	80.0
49	150.9	109.7	203.7

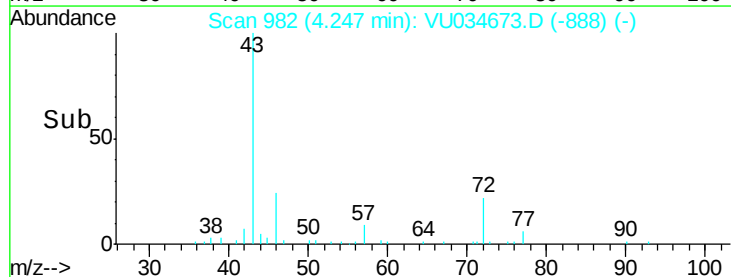
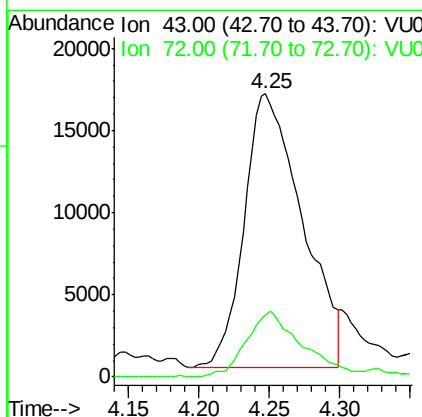
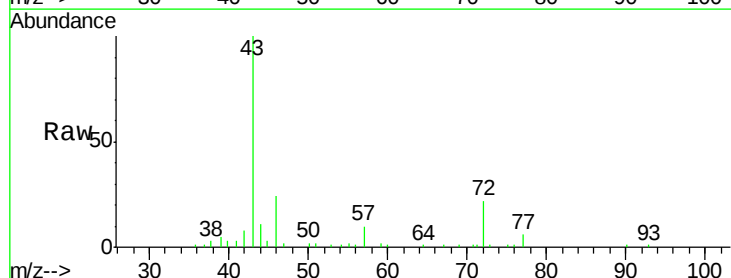
Manual Integrations
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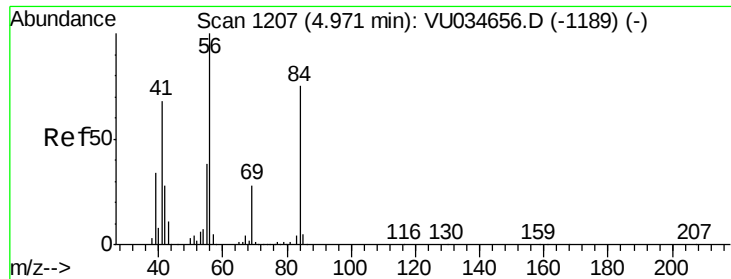
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#22
2-Butanone
Concen: 8.874 ug/L
RT: 4.25 min Scan# 982
Delta R.T. 0.00 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

Tgt Ion	43	Resp	48094
Ion Ratio	Lower	Upper	
43	100		
72	22.4	10.2	30.6





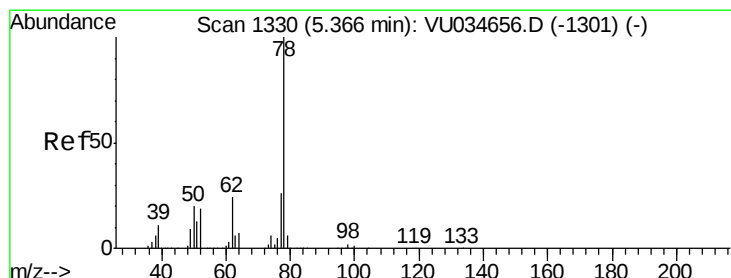
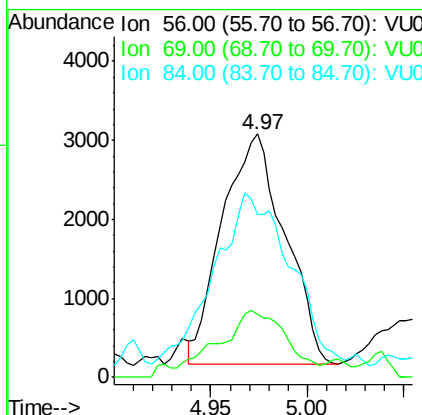
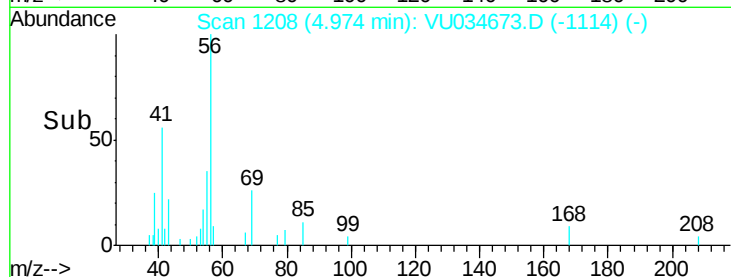
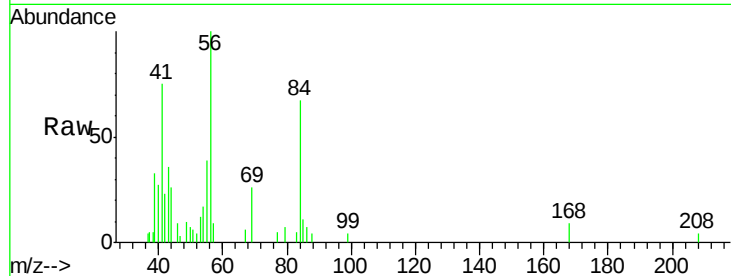
#29
Cyclohexane
Concen: 0.836 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

Instrument :
MSVOA_U
ClientSampleId :
BFDG1

Tot Ion	Ratio	Lower	Upper
56	100		
69	23.5	21.7	32.5
84	8.2	58.8	88.2#

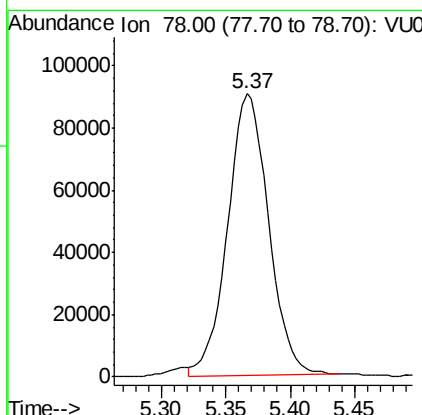
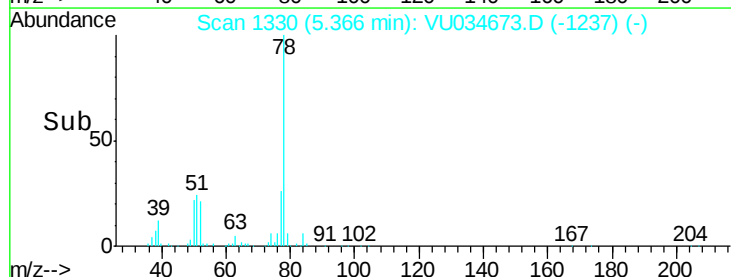
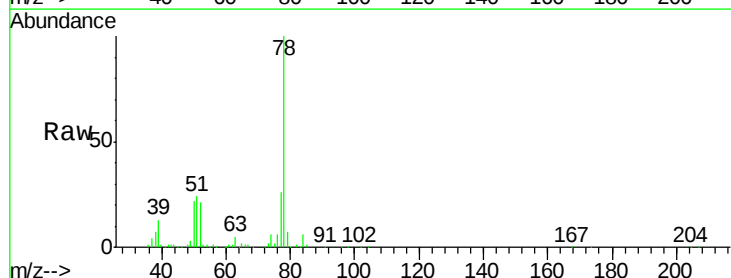
Manual Integrations
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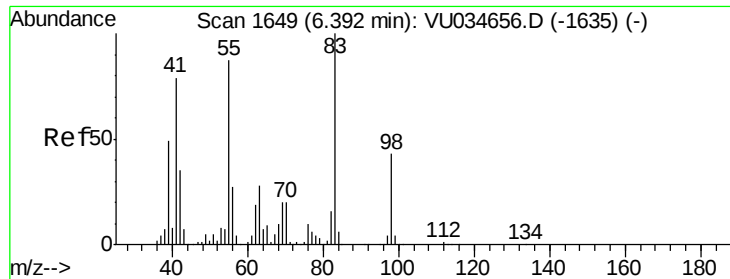
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#33
Benzene
Concen: 12.057 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

Tgt Ion: 78 Resp: 199666





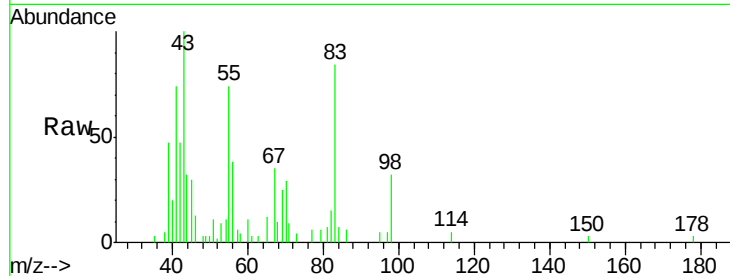
#35
Methvlcvclohexane
Concen: 1.143 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

Instrument :
MSVOA_U
ClientSampleId :
BFDG1

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	71.6	107.4
98	36.2	35.7	53.5

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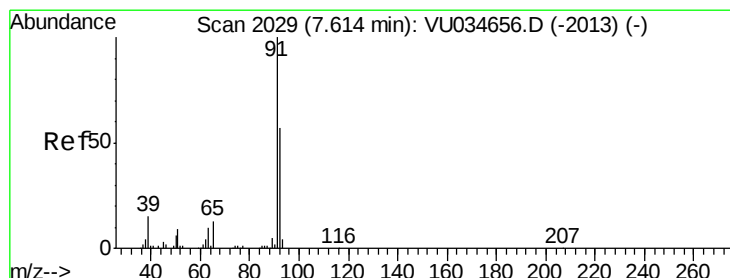
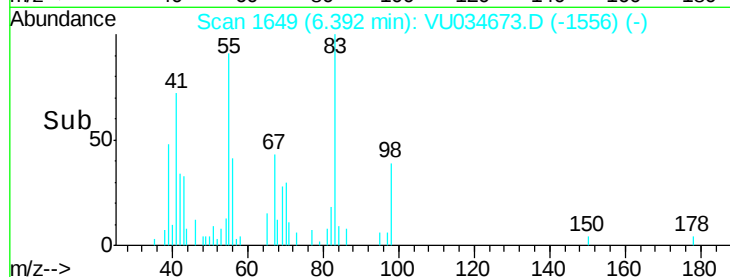
Abundance

Ion 83.00 (82.70 to 83.70): VU034656.D (-1635) (-)

Ion 55.00 (54.70 to 55.70): VU034656.D (-1635) (-)

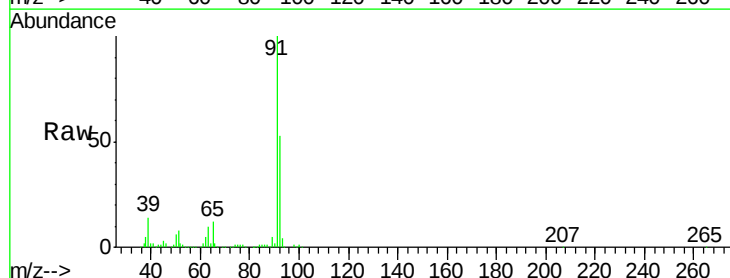
Ion 98.00 (97.70 to 98.70): VU034656.D (-1635) (-)

Time-->



#42
Toluene
Concen: 19.283 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	38.2	71.0

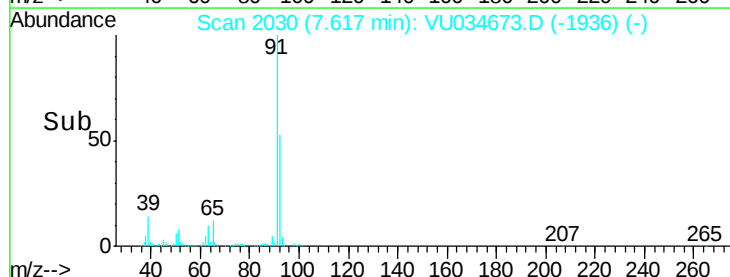


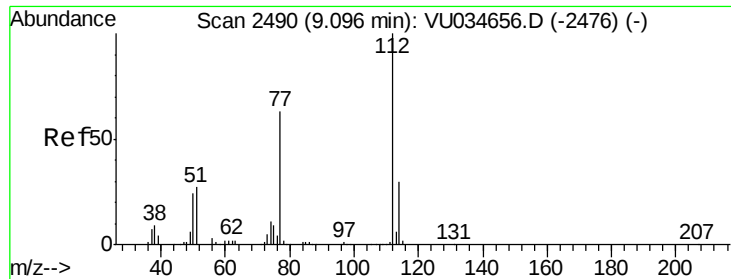
Abundance

Ion 91.00 (90.70 to 91.70): VU034656.D (-1213) (-)

Ion 92.00 (91.70 to 92.70): VU034656.D (-1213) (-)

Time-->





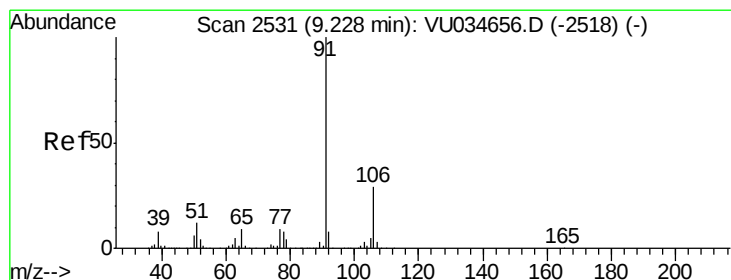
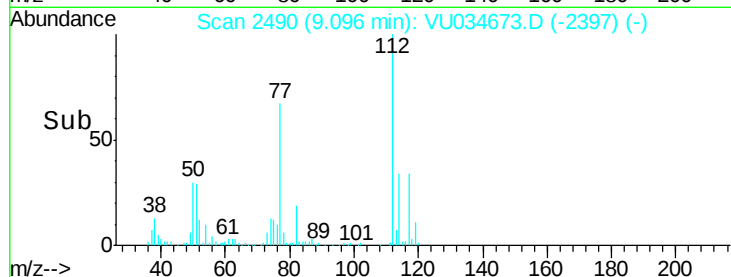
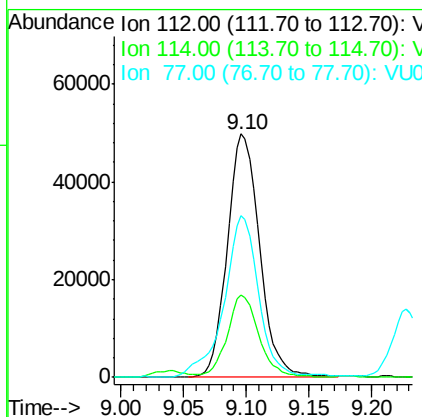
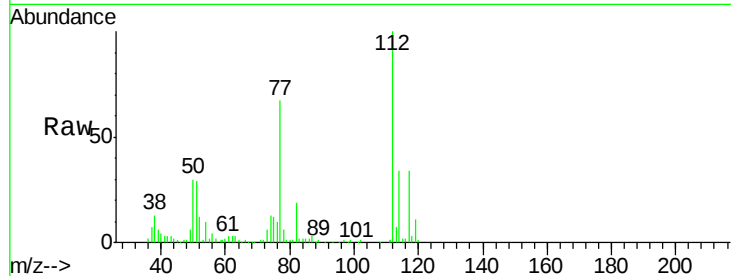
#51
Chlorobenzene
Concen: 8.239 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

Instrument :
MSVOA_U
ClientSampleId :
BFDG1

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	22.8	42.4
77	66.6	51.5	77.3

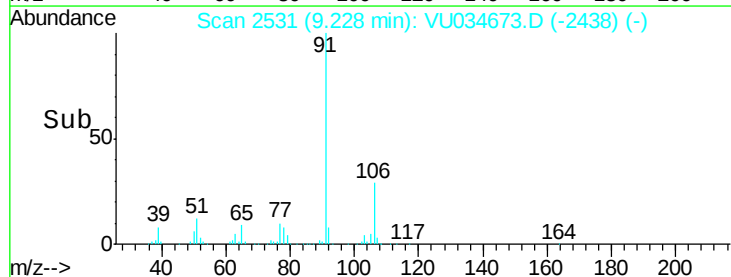
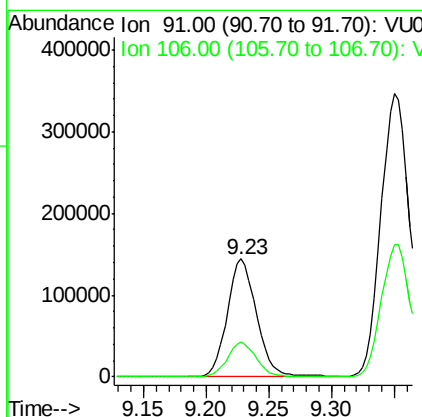
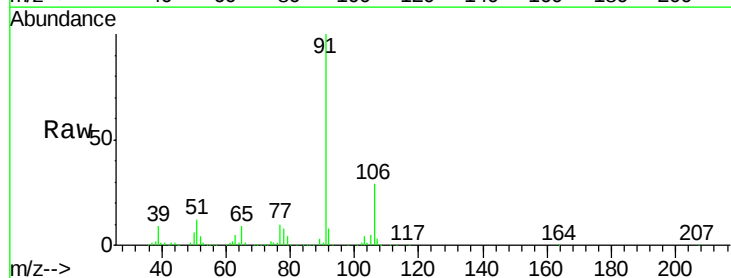
Manual Integrations
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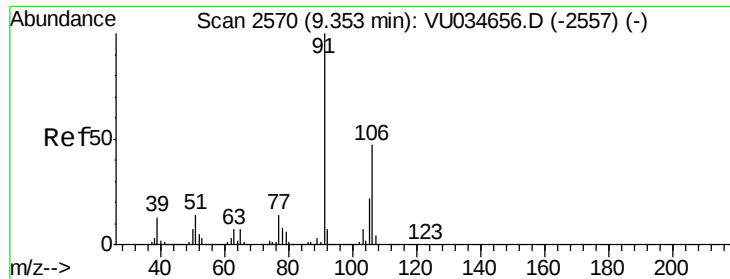
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9/20/2019 12:46:35 PM



#52
Ethylbenzene
Concen: 11.708 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	20.6	38.4





#53

m,p-Xylene

Concen: 37.853 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034673.D

Acq: 20 Sep 2019 01:43

Instrument :

MSVOA_U

ClientSampled :

BFDG1

Tot Ion:106 Resp: 270198

Ion Ratio Lower Upper

106 100

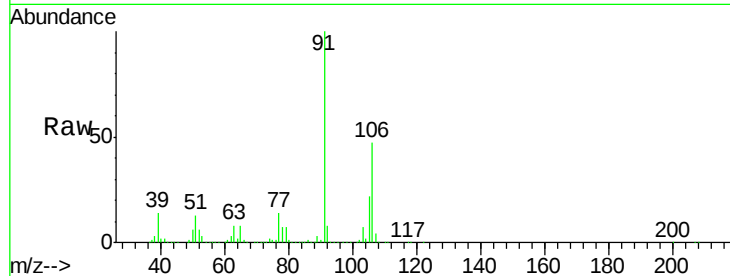
91 214.9 146.9 272.7

Manual Integrations

APPROVED

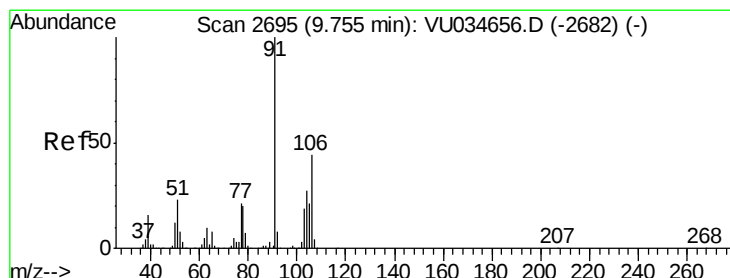
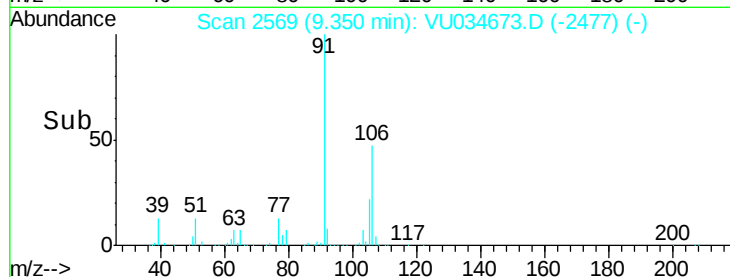
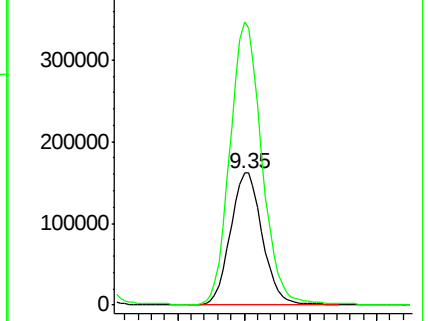
MMDadoda

9/20/2019 12:46:35 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 20.274 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034673.D

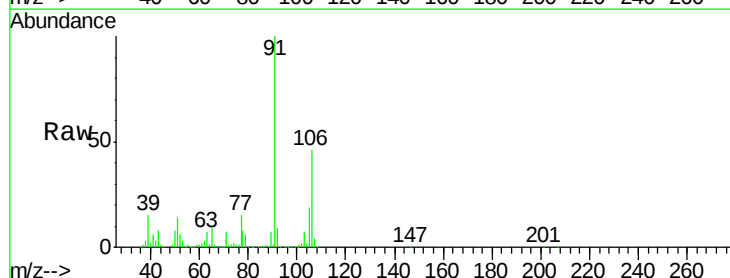
Acq: 20 Sep 2019 01:43

Tgt Ion:106 Resp: 143139

Ion Ratio Lower Upper

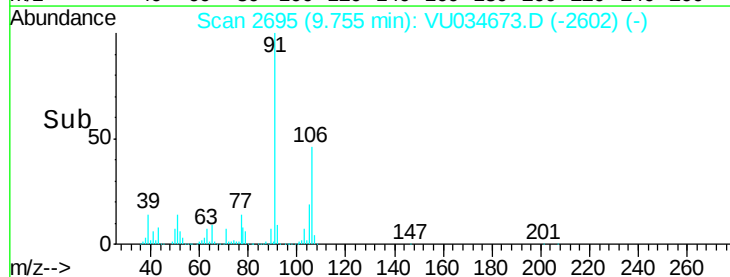
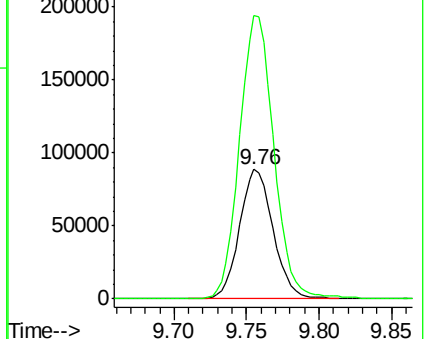
106 100

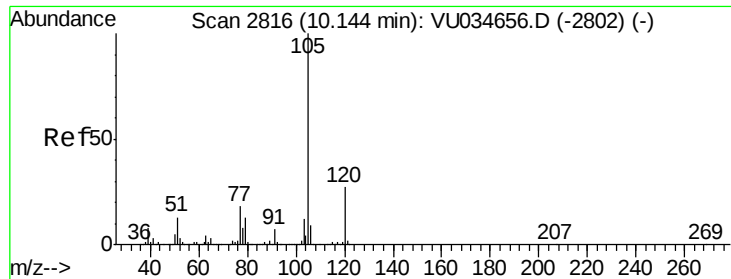
91 218.4 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 5.305 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034673.D

Acq: 20 Sep 2019 01:43

Instrument :

MSVOA_U

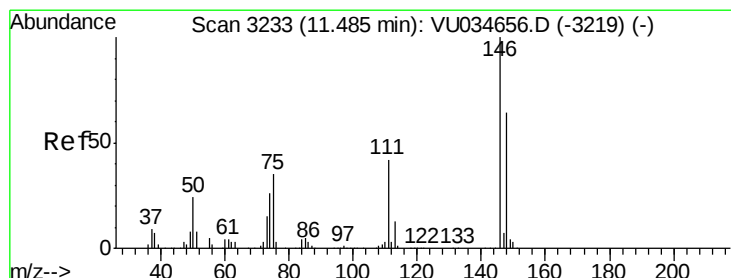
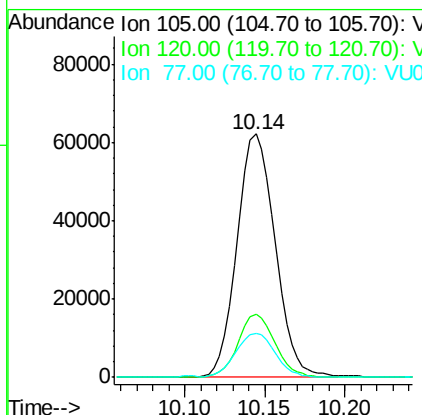
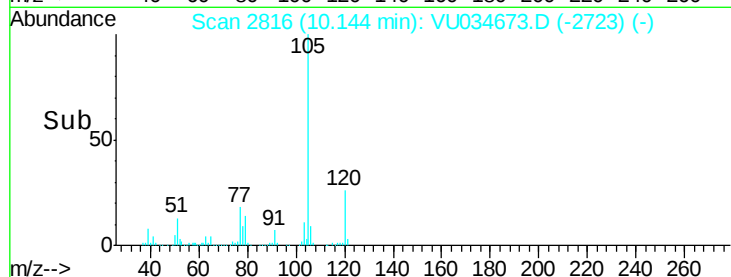
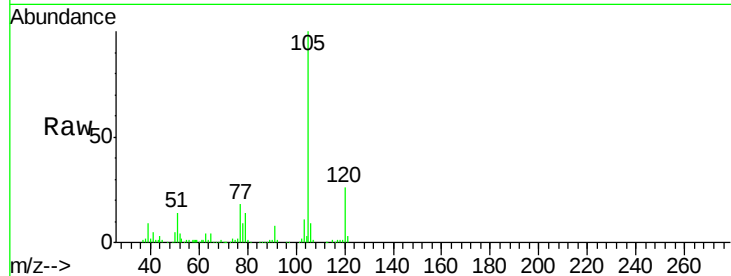
ClientSampleId :

BFDG1

Tot Ion:	105	Resp:	100995
Ion Ratio		Lower	Upper
105	100		
120	25.0	20.4	30.6
77	18.9	14.2	21.4

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:46:35 PM



#63

1,4-Dichlorobenzene

Concen: 2.450 ug/L

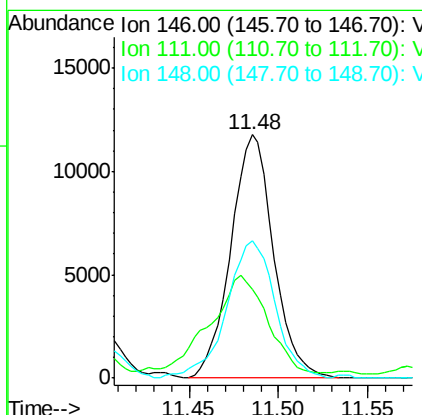
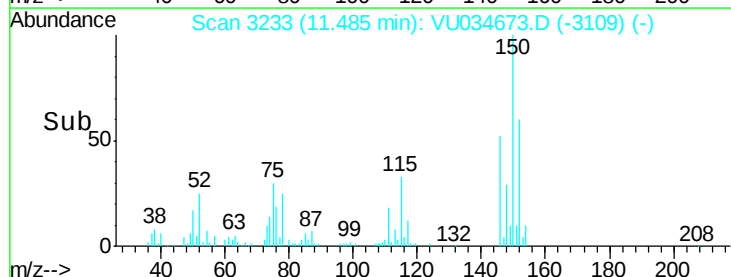
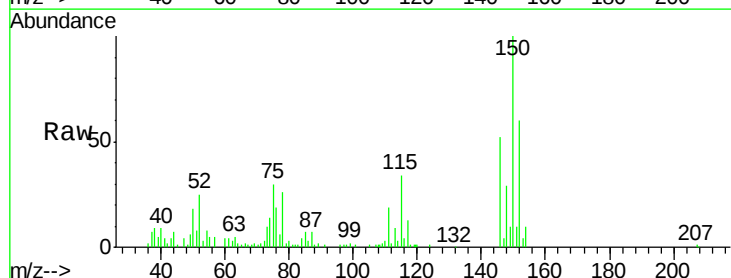
RT: 11.48 min Scan# 3233

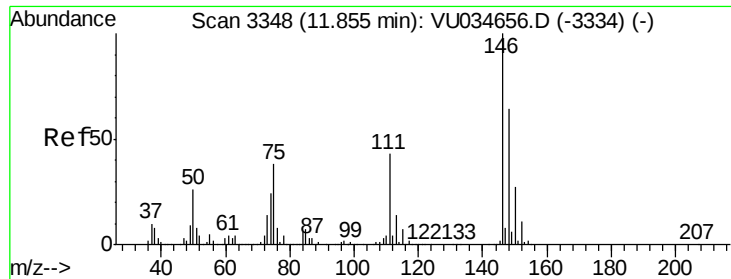
Delta R.T. -0.00 min

Lab File: VU034673.D

Acq: 20 Sep 2019 01:43

Tgt Ion:	146	Resp:	19711
Ion Ratio		Lower	Upper
146	100		
111	36.2	29.5	54.9
148	56.2	44.4	82.4





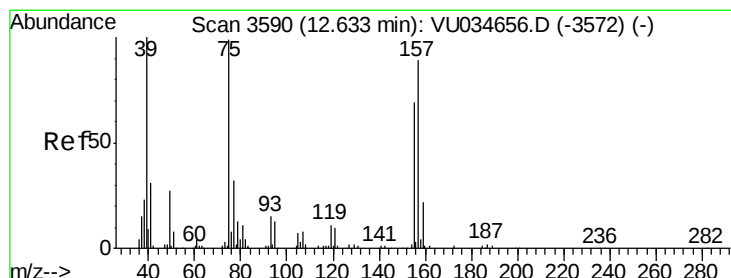
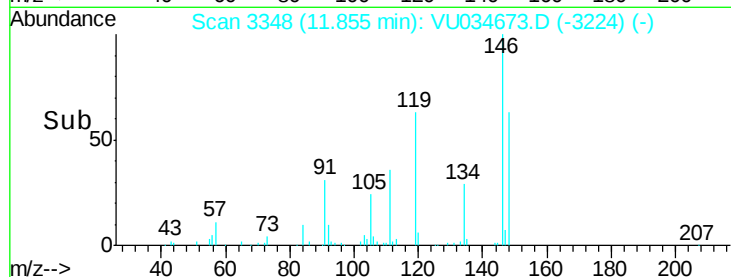
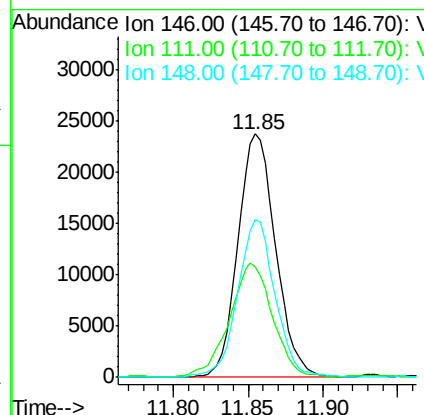
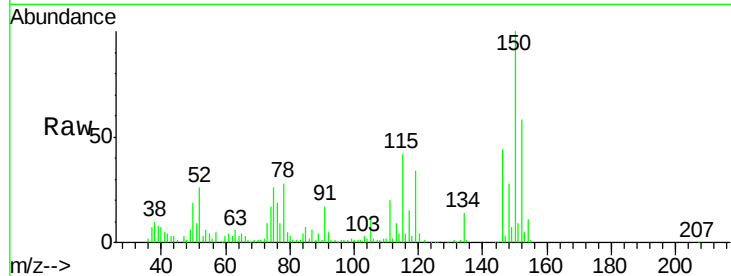
#65
 1,2-Dichlorobenzene
 Concen: 5.217 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034673.D
 Acq: 20 Sep 2019 01:43

Instrument :
 MSVOA_U
 ClientSampled :
 BFDG1

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	35.2	52.8
148	64.7	53.0	79.6

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:46:35 PM



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.286 ug/L
 RT: 12.33 min Scan# 3497
 Delta R.T. -0.30 min
 Lab File: VU034673.D
 Acq: 20 Sep 2019 01:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	54.7	82.1#
157	0.0	69.9	104.9#

