

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
 Data File : VU034674.D
 Acq On : 20 Sep 2019 02:06
 Operator : JC/SP
 Sample : K4895-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDH5

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:46:39 PM

Quant Time: Sep 20 07:24:28 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	546109	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	521772	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	250077	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	222592	39.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.62%
7) Chloroethane-d5	1.67	69	181172	41.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.86%
11) 1,1-Dichloroethene-d2	2.26	63	306818	32.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.82%
21) 2-Butanone-d5	4.15	46	412790	96.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.34%
24) Chloroform-d	4.62	84	213248	26.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	52.48%#
26) 1,2-Dichloroethane-d4	5.29	65	261889	43.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.66%
32) Benzene-d6	5.32	84	709058	43.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.68%
36) 1,2-Dichloropropane-d6	6.31	67	256068	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.60%
41) Toluene-d8	7.54	98	677869	44.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.12%
43) trans-1,3-Dichloropropene-	7.83	79	113113	41.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.56%
47) 2-Hexanone-d5	8.29	63	271455	95.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.61%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	117826	15.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	30.04%#
64) 1,2-Dichlorobenzene-d4	11.84	152	238921	45.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	84524	16.958	ug/L	97
17) trans-1,2-Dichloroethene	2.97	96	4013	1.027	ug/L	76
22) 2-Butanone	4.26	43	20877m	3.521	ug/L	
25) Chloroform	4.65	83	143060	16.211	ug/L	94
29) Cyclohexane	4.97	56	38746	4.499	ug/L	96
33) Benzene	5.37	78	453918	25.083	ug/L	100
34) Trichloroethene	6.16	95	75810	16.963	ug/L	97
35) Methylcyclohexane	6.39	83	33867	4.465	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	617073	59.983	ug/L	97
42) Toluene	7.61	91	3552531	181.648	ug/L	98
46) Tetrachloroethene	8.21	164	15248	4.850	ug/L	93
52) Ethylbenzene	9.23	91	846214	38.424	ug/L	99
53) m,p-Xylene	9.35	106	1229058	157.563	ug/L	96
54) o-xylene	9.76	106	759252	98.409	ug/L	99
56) Isopropylbenzene	10.14	105	78831	3.789	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	11282	1.279	ug/L	94
65) 1,2-Dichlorobenzene	11.85	146	95154	10.874	ug/L	99

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

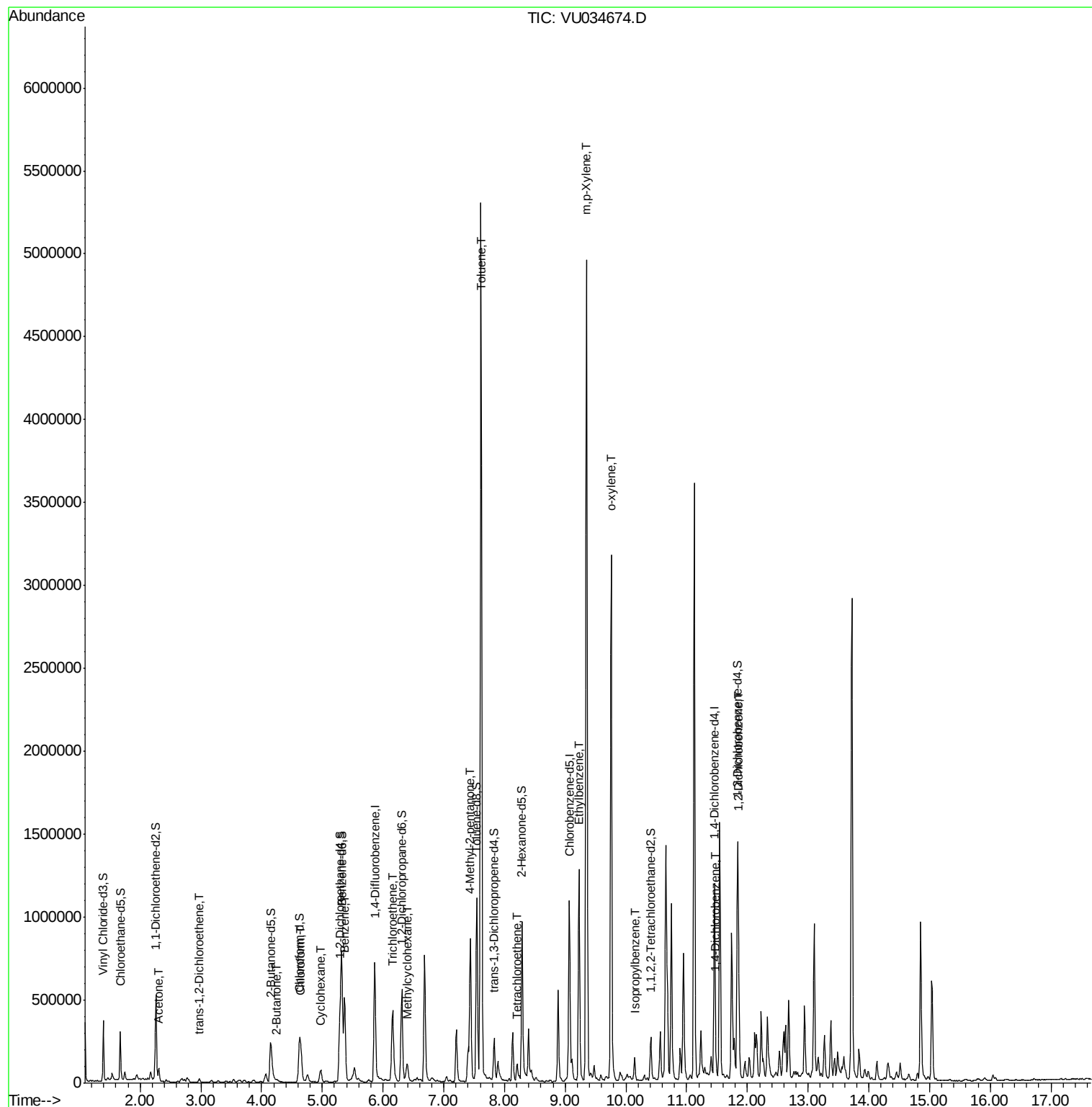
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034674.D
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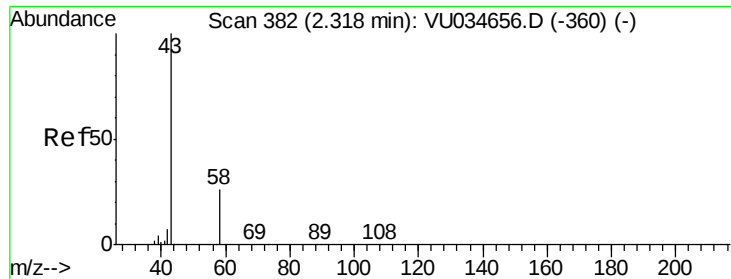
Instrument :
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#13

Acetone

Concen: 16.958 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VU034674.D

Acq: 20 Sep 2019 02:06

Instrument :

MSVOA_U

ClientSampled :

BFDH5

Tot Ion: 43 Resp: 84524

Ion Ratio Lower Upper

43 100

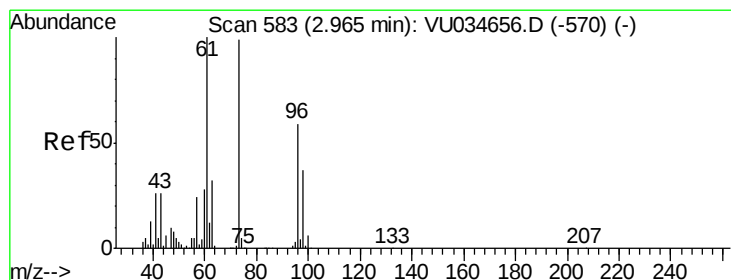
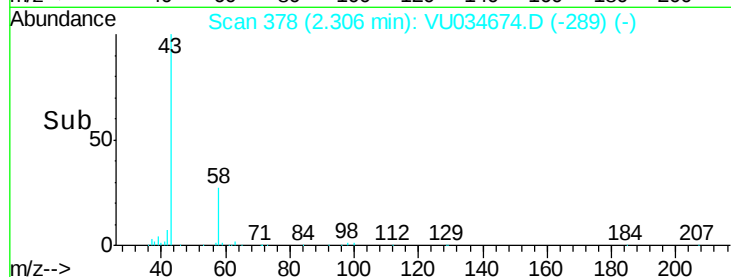
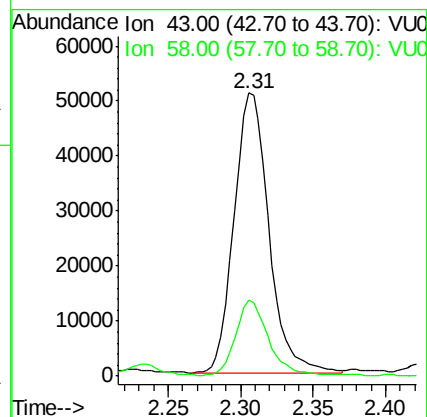
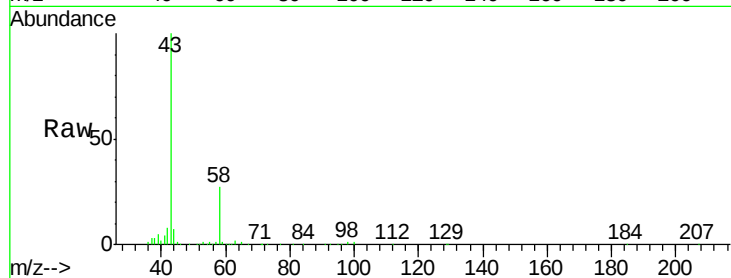
58 24.9 0.0 53.4

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#17

trans-1,2-Dichloroethene

Concen: 1.027 ug/L

RT: 2.97 min Scan# 585

Delta R.T. 0.01 min

Lab File: VU034674.D

Acq: 20 Sep 2019 02:06

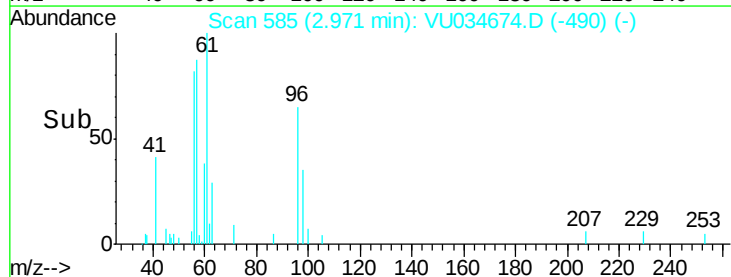
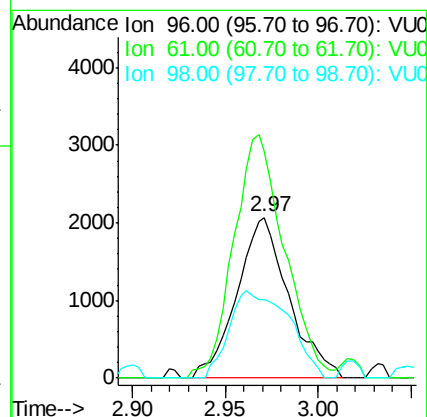
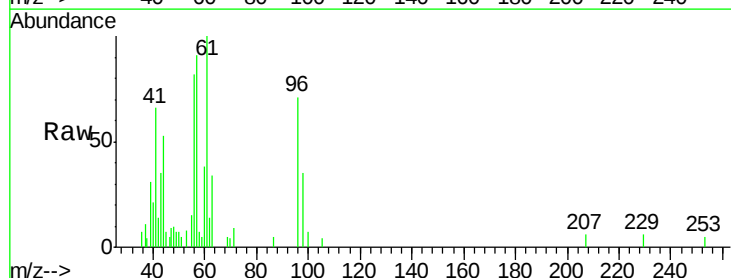
Tgt Ion: 96 Resp: 4013

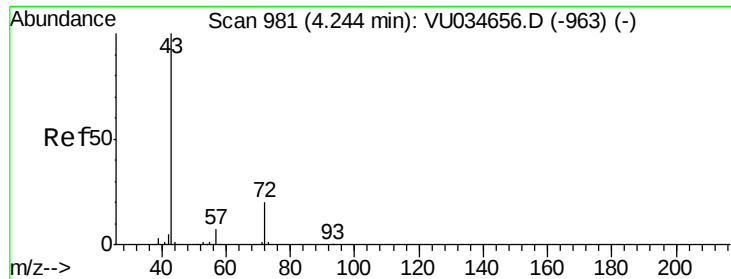
Ion Ratio Lower Upper

96 100

61 141.7 124.0 230.4

98 48.9 46.1 85.7





#22

2-Butanone

Concen: 3.521 ug/L m

RT: 4.26 min Scan# 986

Delta R.T. 0.02 min

Lab File: VU034674.D

Acq: 20 Sep 2019 02:06

Instrument :

MSVOA_U

ClientSampleId :

BFDH5

Tot Ion: 43 Resp: 20877

Ion Ratio Lower Upper

43 100

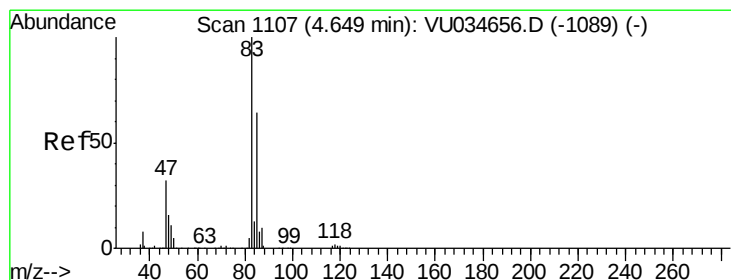
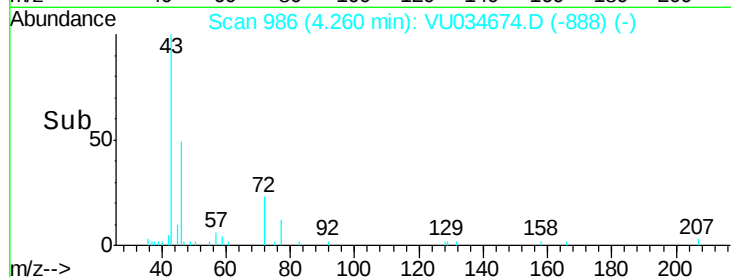
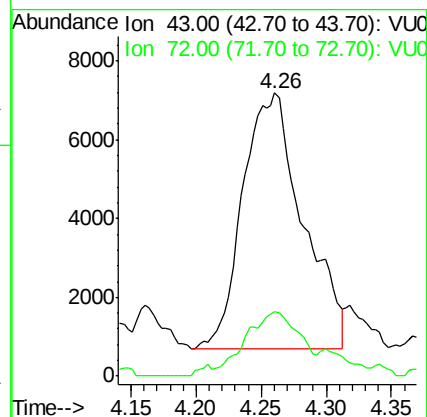
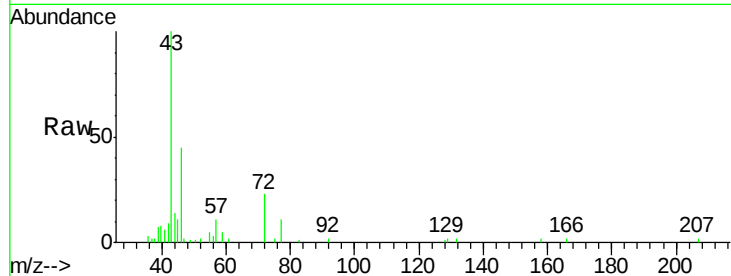
72 7.2 10.2 30.6#

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#25

Chloroform

Concen: 16.211 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034674.D

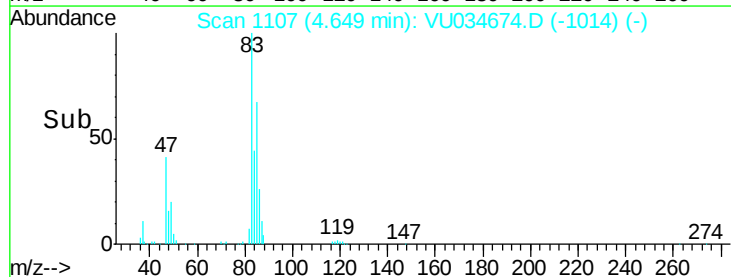
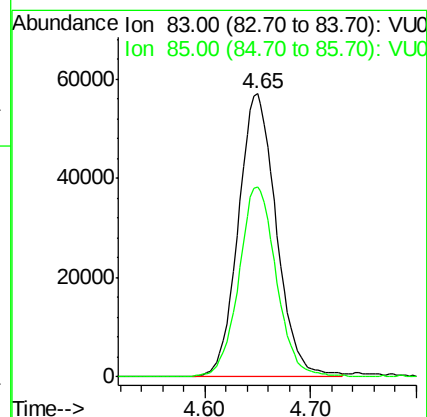
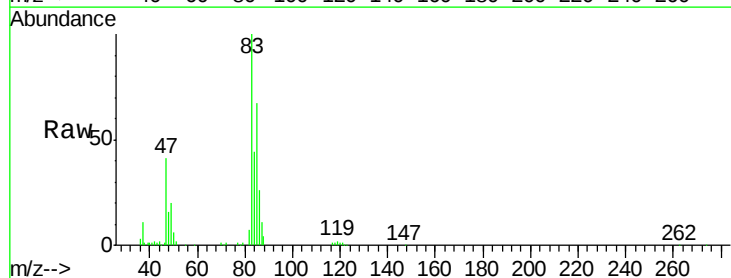
Acq: 20 Sep 2019 02:06

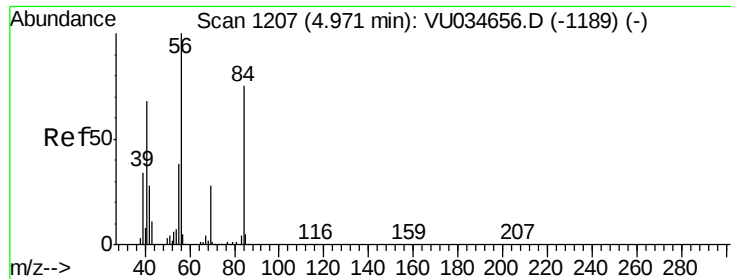
Tgt Ion: 83 Resp: 143060

Ion Ratio Lower Upper

83 100

85 67.2 44.0 81.6





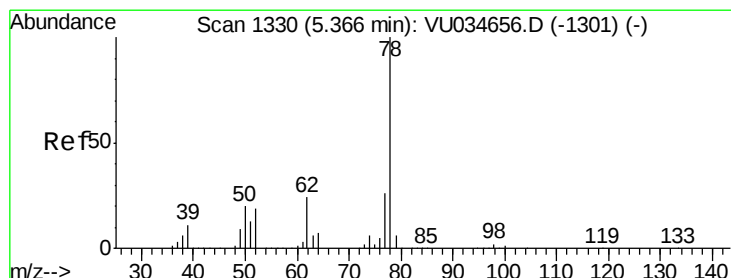
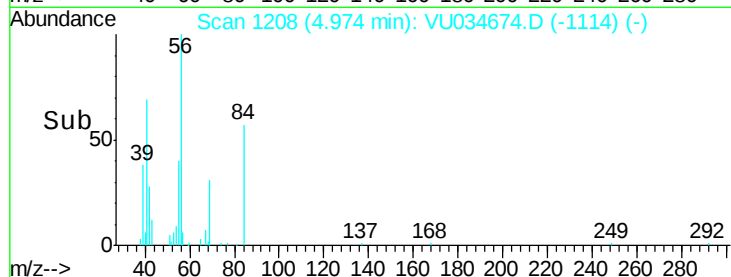
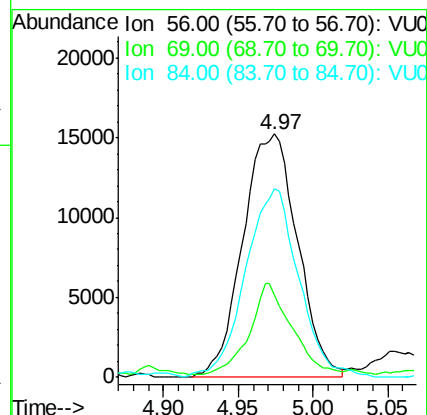
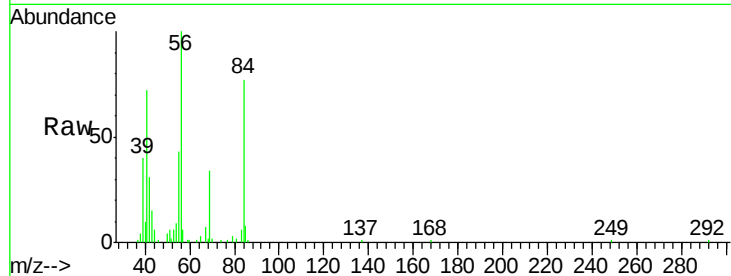
#29
Cyclohexane
Concen: 4.499 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034674.D
Acq: 20 Sep 2019 02:06

Instrument :
MSVOA_U
ClientSampleId :
BFDH5

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.1	21.7	32.5	
84	75.5	58.8	88.2	

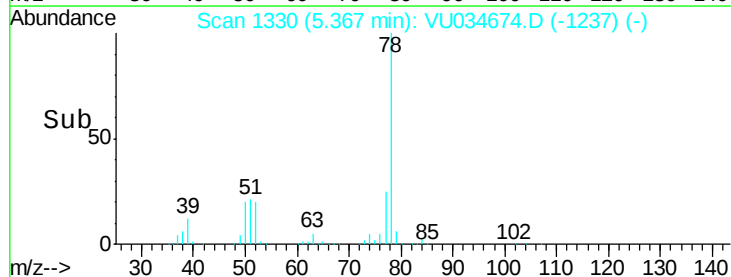
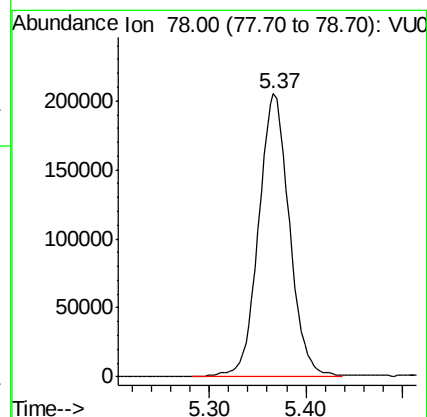
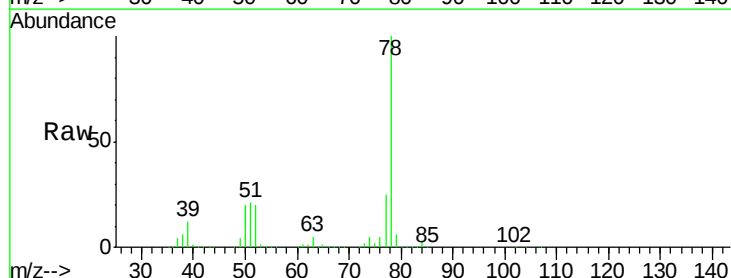
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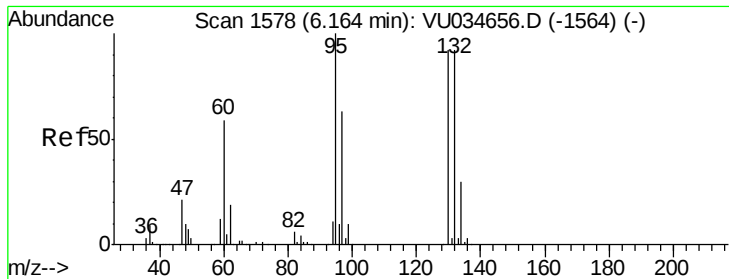
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#33
Benzene
Concen: 25.083 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034674.D
Acq: 20 Sep 2019 02:06

Tgt Ion: 78 Resp: 453918





#34

Trichloroethene

Concen: 16.963 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034674.D

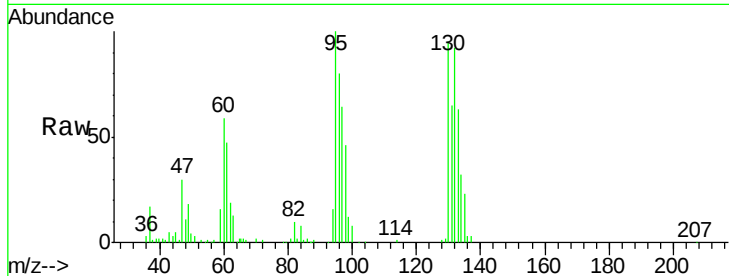
Acq: 20 Sep 2019 02:06

Instrument :

MSVOA_U

ClientSampleId :

BFDH5



Tot Ion: 95 Resp: 75810

Ion Ratio Lower Upper

95 100

97 63.7 43.7 81.1

132 91.7 61.0 113.2

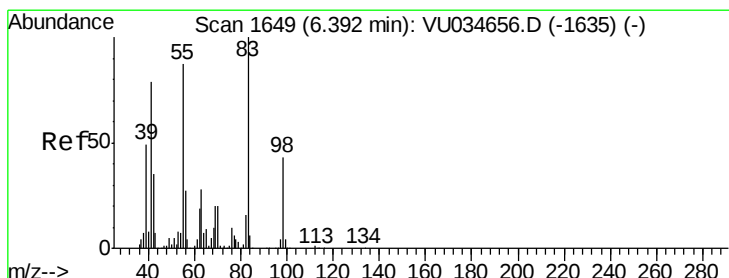
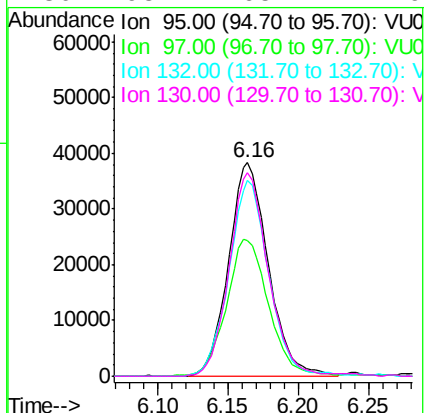
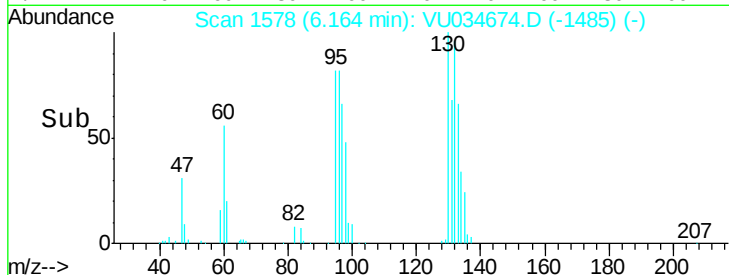
130 95.4 65.7 121.9

Manual Integrations

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#35

Methylcyclohexane

Concen: 4.465 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034674.D

Acq: 20 Sep 2019 02:06

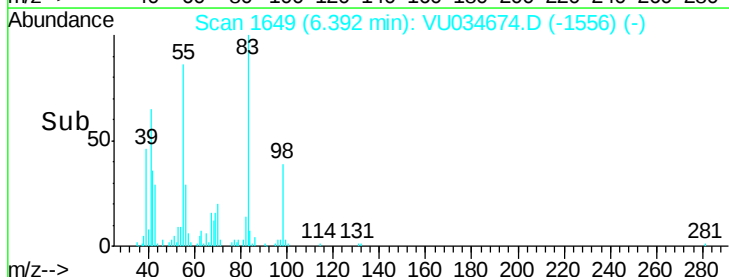
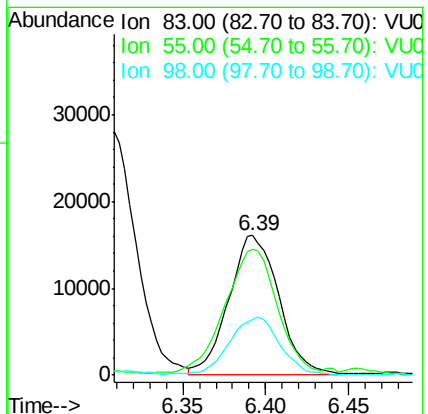
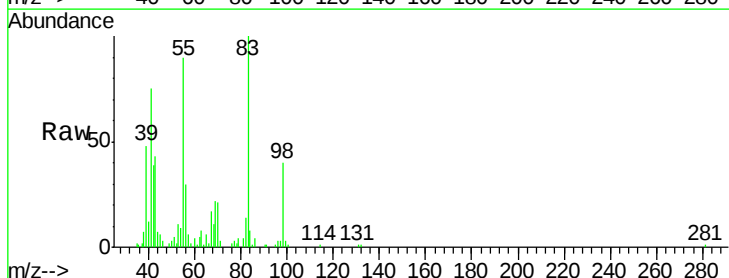
Tgt Ion: 83 Resp: 33867

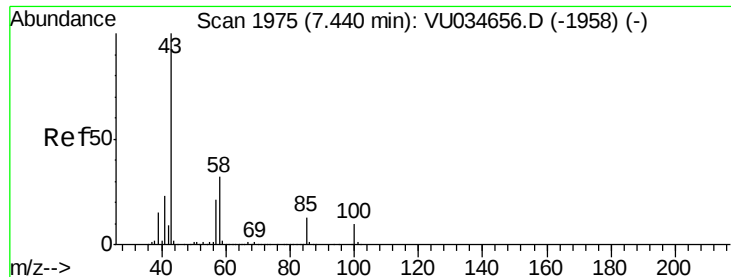
Ion Ratio Lower Upper

83 100

55 90.4 71.6 107.4

98 41.7 35.7 53.5





#40

4-Methyl-2-pentanone

Concen: 59.983 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VU034674.D

Acq: 20 Sep 2019 02:06

Instrument :

MSVOA_U

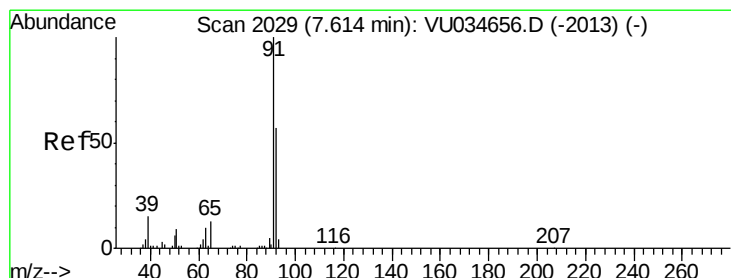
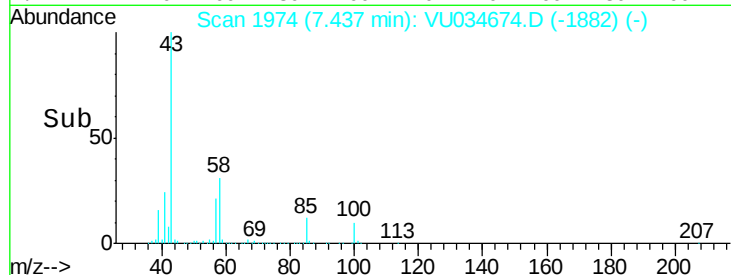
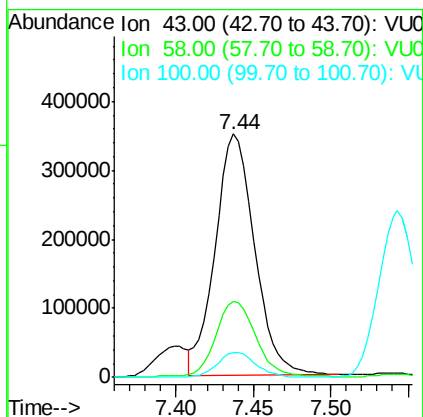
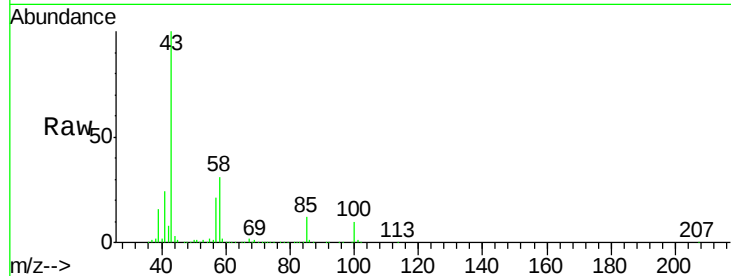
ClientSampleId :

BFDH5

Tot Ion:	43	Resp:	617073
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.2	37.8
100	10.4	7.7	11.5

Manual Integrations
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#42

Toluene

Concen: 181.648 ug/L

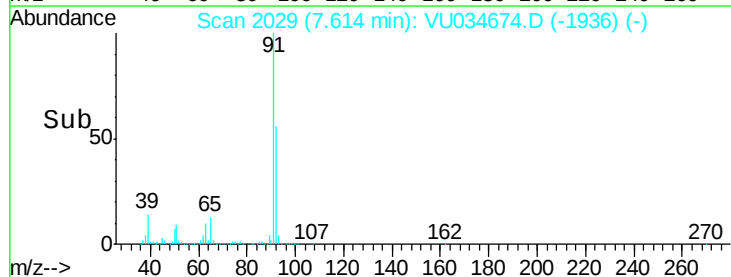
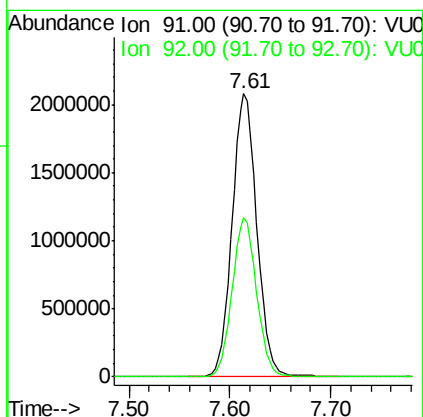
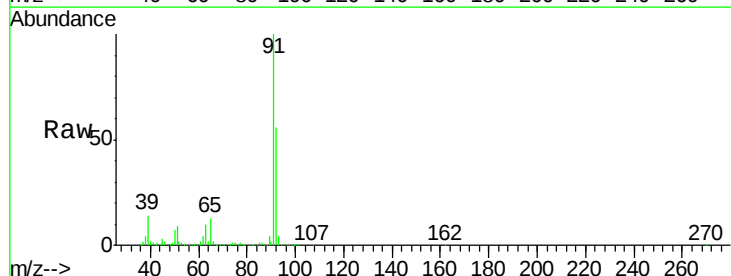
RT: 7.61 min Scan# 2029

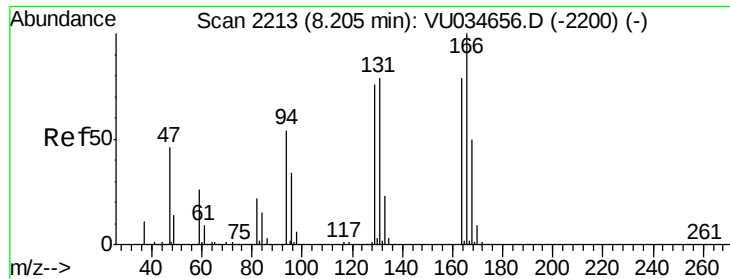
Delta R.T. 0.00 min

Lab File: VU034674.D

Acq: 20 Sep 2019 02:06

Tgt Ion:	91	Resp:	3552531
Ion	Ratio	Lower	Upper
91	100		
92	56.1	38.2	71.0





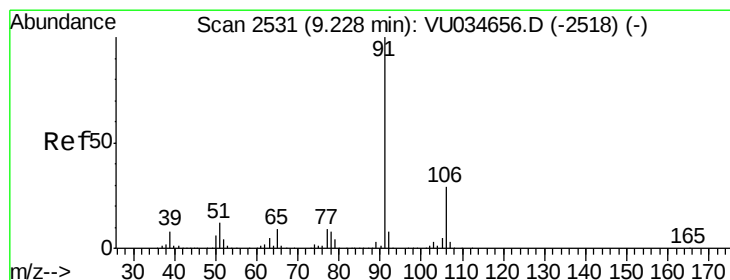
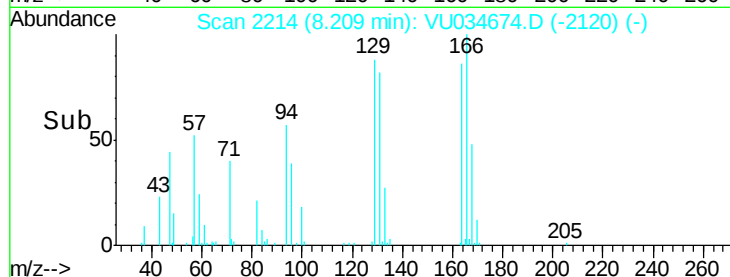
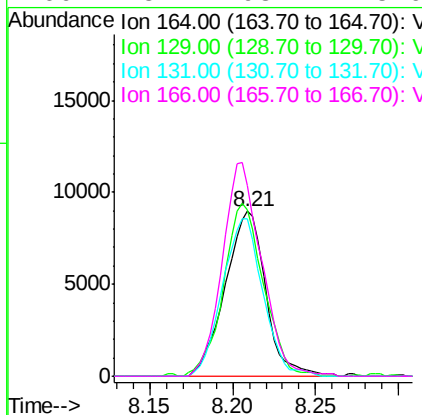
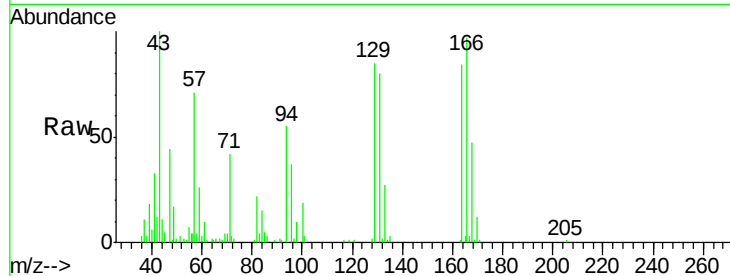
#46
Tetrachloroethene
Concen: 4.850 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034674.D
Acq: 20 Sep 2019 02:06

Instrument :
MSVOA_U
ClientSampleId :
BFDH5

Tot Ion	Ratio	Lower	Upper
164	100		
129	101.4	71.9	133.5
131	95.3	66.3	123.1
166	115.7	93.4	173.6

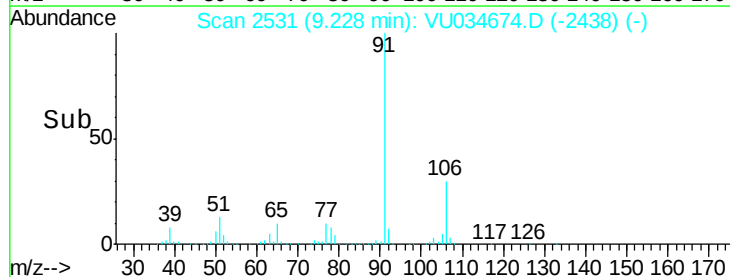
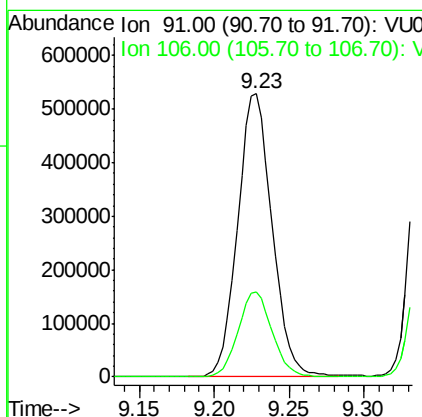
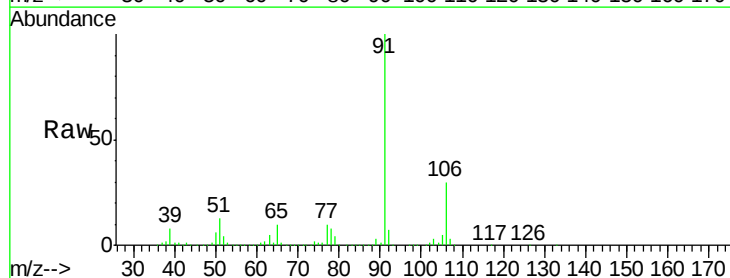
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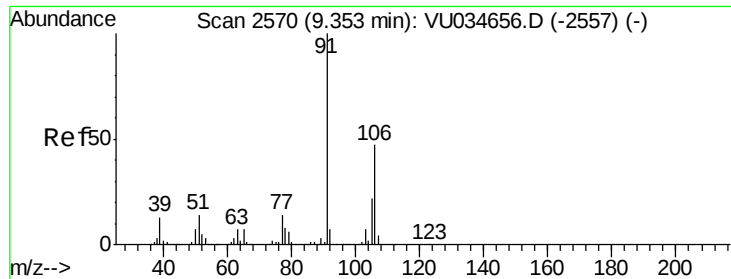
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#52
Ethylbenzene
Concen: 38.424 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034674.D
Acq: 20 Sep 2019 02:06

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	20.6	38.4





#53

m,p-Xylene

Concen: 157.563 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034674.D

Acq: 20 Sep 2019 02:06

Instrument :

MSVOA_U

ClientSampled :

BFDH5

Tot Ion:106 Resp: 1229058

Ion Ratio Lower Upper

106 100

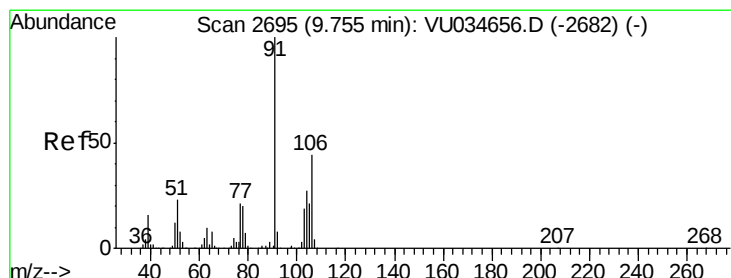
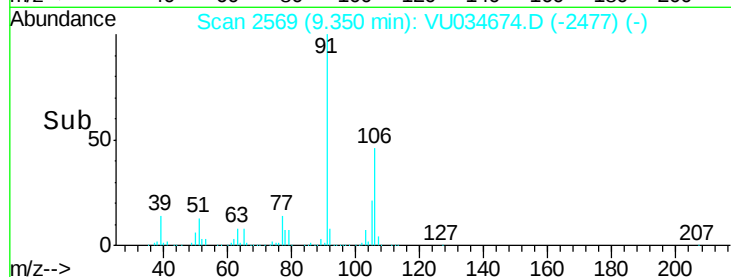
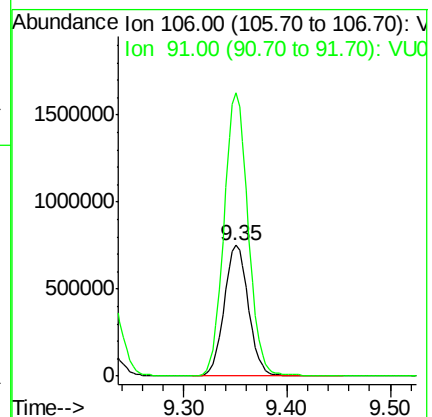
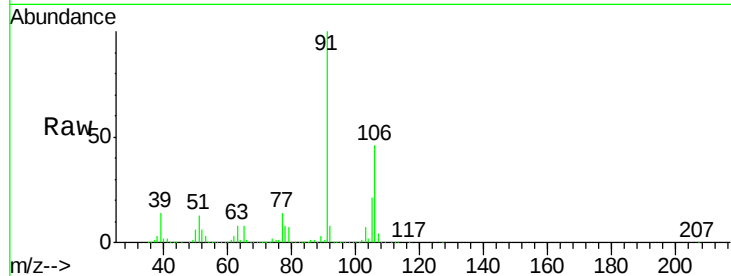
91 216.2 146.9 272.7

Manual Integrations

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9/20/2019 12:46:39 PM



#54

o-xylene

Concen: 98.409 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034674.D

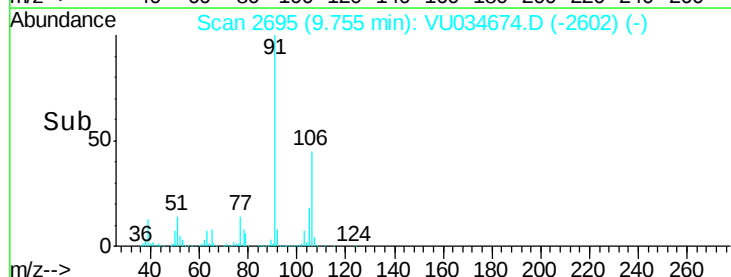
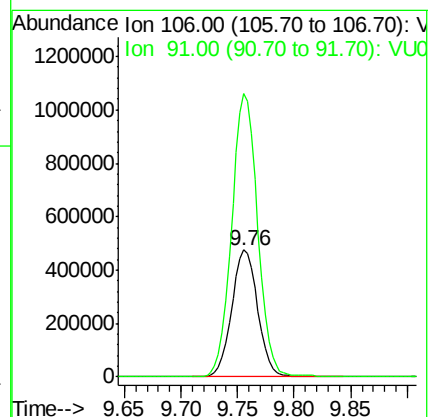
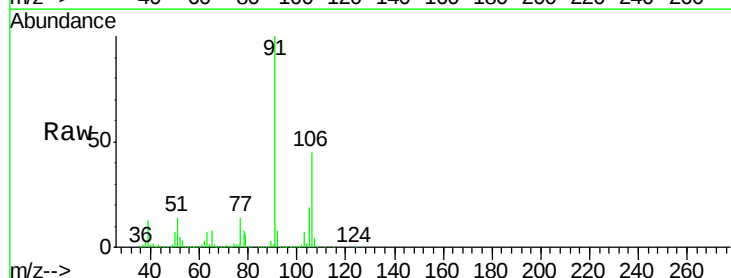
Acq: 20 Sep 2019 02:06

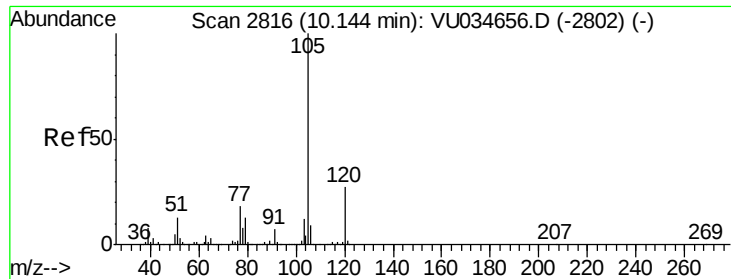
Tgt Ion:106 Resp: 759252

Ion Ratio Lower Upper

106 100

91 223.2 155.6 289.0





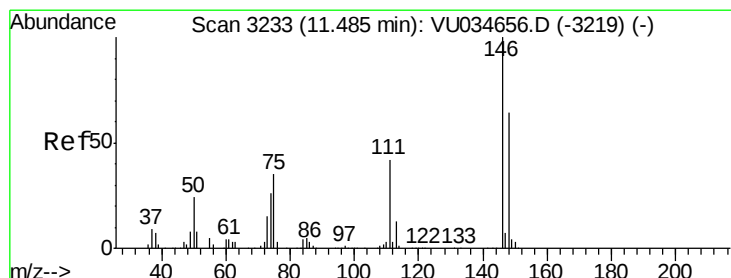
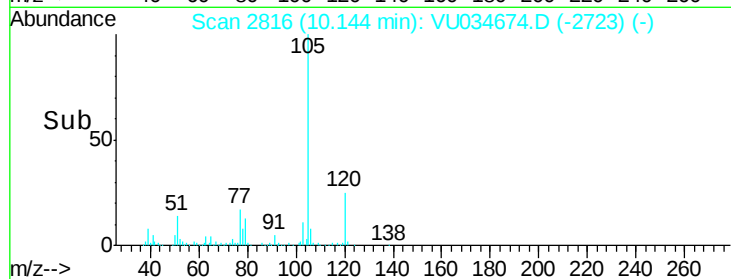
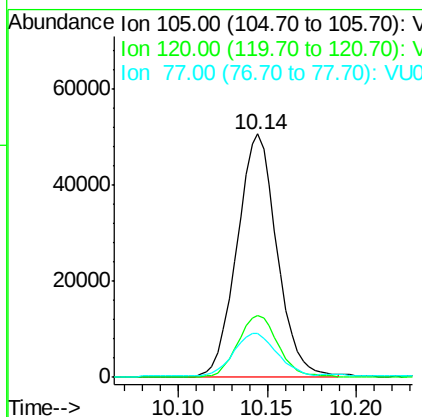
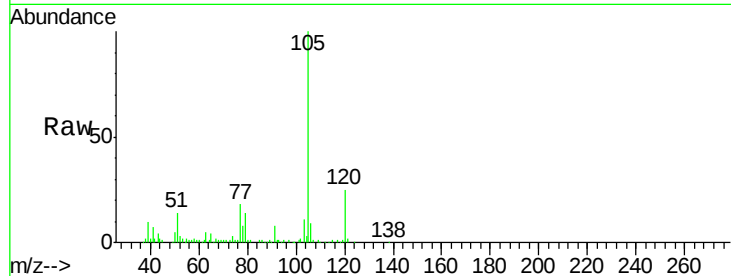
#56
Isopropylbenzene
Concen: 3.789 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034674.D
Acq: 20 Sep 2019 02:06

Instrument :
MSVOA_U
ClientSampleId :
BFDH5

Tot Ion:	105	Resp:	78831
Ion Ratio	Lower	Upper	
105	100		
120	26.0	20.4	30.6
77	18.9	14.2	21.4

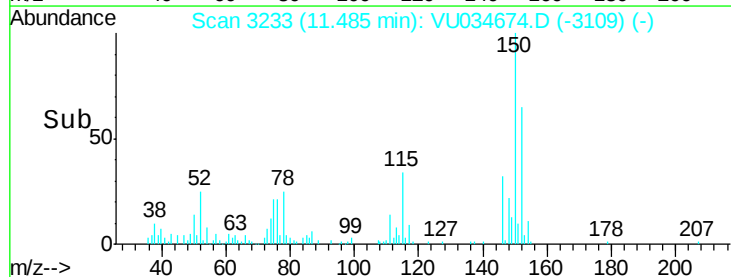
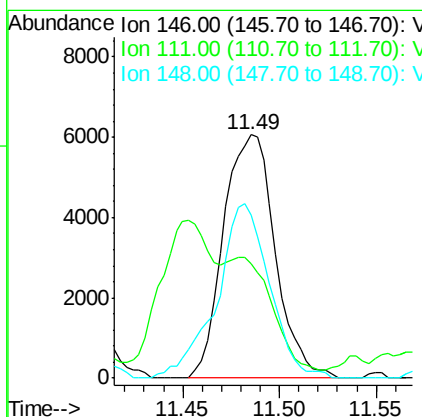
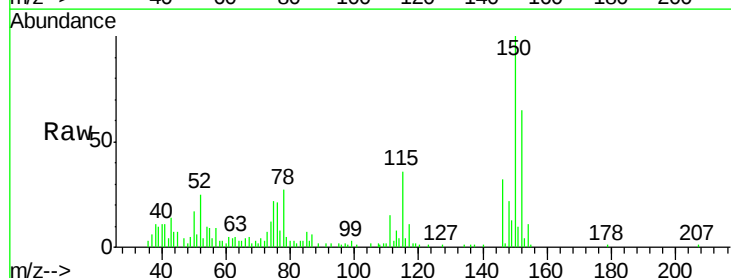
Manual Integrations
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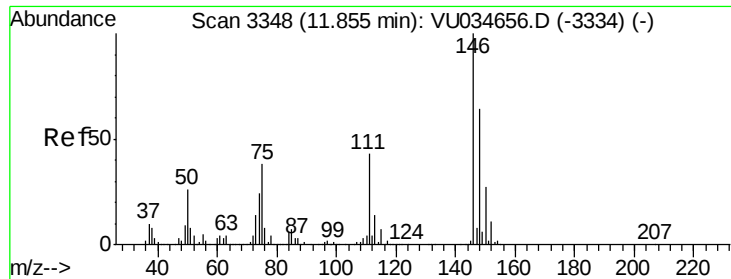
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#63
1,4-Dichlorobenzene
Concen: 1.279 ug/L
RT: 11.49 min Scan# 3233
Delta R.T. 0.00 min
Lab File: VU034674.D
Acq: 20 Sep 2019 02:06

Tgt Ion:	146	Resp:	11282
Ion Ratio	Lower	Upper	
146	100		
111	46.9	29.5	54.9
148	67.1	44.4	82.4





#65
 1,2-Dichlorobenzene
 Concen: 10.874 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034674.D
 Acq: 20 Sep 2019 02:06

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDH5

Tot Ion	Ratio	Resp	Lower	Upper
146	100	95154		
111	42.5		35.2	52.8
148	65.9		53.0	79.6

Manual Integrations
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