

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
 Data File : VU034665.D
 Acq On : 19 Sep 2019 22:36
 Operator : JC/SP
 Sample : K4895-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDH6

Quant Time: Sep 20 05:26:58 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	487204	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	462026	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	209596	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	225605	45.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.46%
7) Chloroethane-d5	1.67	69	178653	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.68%
11) 1,1-Dichloroethene-d2	2.26	63	299025	35.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.80%
21) 2-Butanone-d5	4.15	46	370499	96.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.92%
24) Chloroform-d	4.62	84	343995	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
26) 1,2-Dichloroethane-d4	5.29	65	249309	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
32) Benzene-d6	5.32	84	691786	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
36) 1,2-Dichloropropane-d6	6.31	67	245985	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.28%
41) Toluene-d8	7.54	98	654254	48.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.04%
43) trans-1,3-Dichloropropene-	7.83	79	115165	48.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.08%
47) 2-Hexanone-d5	8.29	63	257847	102.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.57%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	329570	47.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.90%
64) 1,2-Dichlorobenzene-d4	11.84	152	224718	51.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.26%

Target Compounds

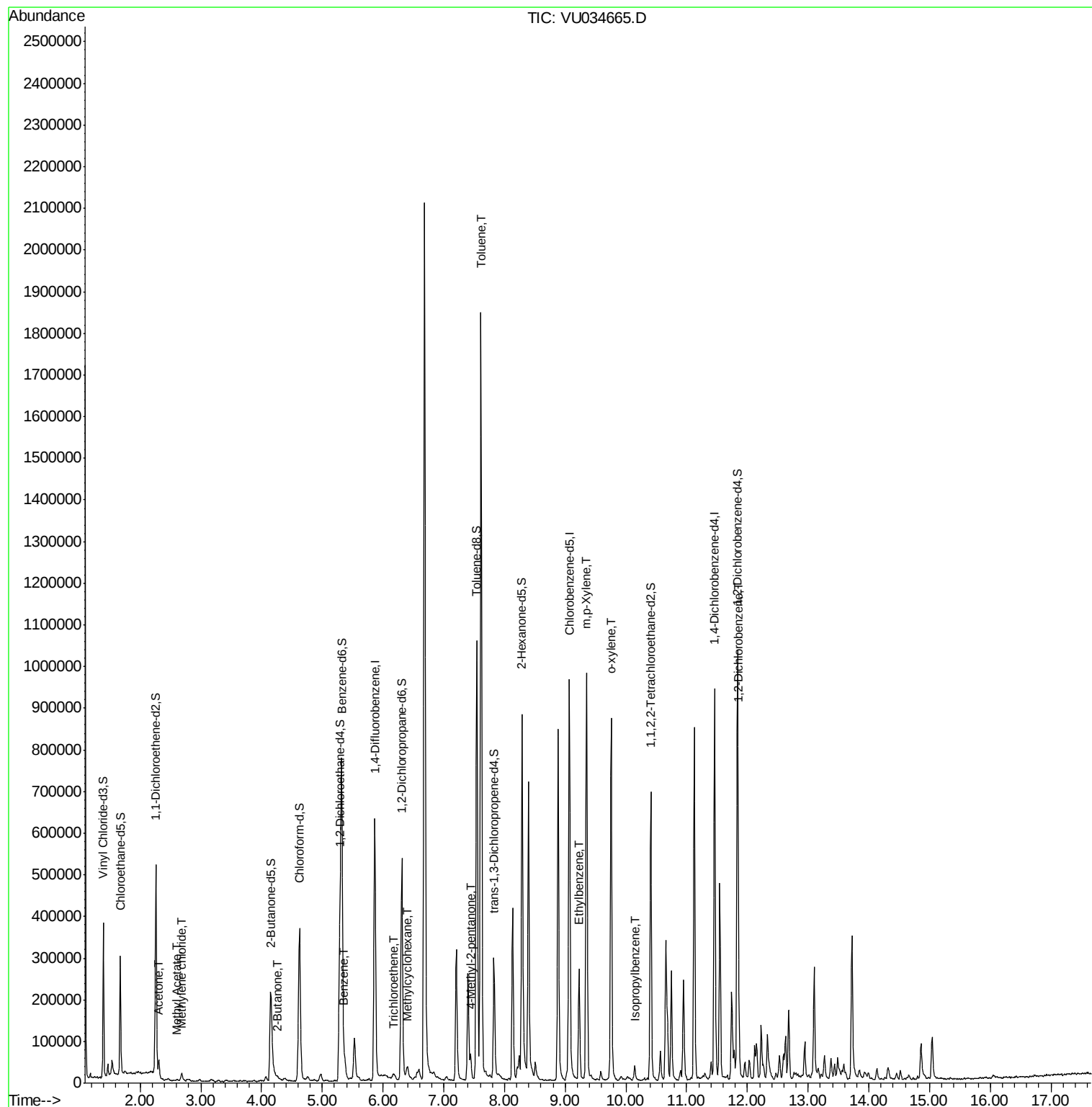
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	47409	10.662	ug/L	100
15) Methyl Acetate	2.61	43	5209	0.877	ug/L #	82
16) Methylene chloride	2.68	84	6876	1.703	ug/L	94
22) 2-Butanone	4.25	43	10713	2.025	ug/L	86
33) Benzene	5.37	78	39498	2.465	ug/L	100
34) Trichloroethene	6.17	95	3723	0.941	ug/L	95
35) Methylcyclohexane	6.40	83	9449	1.407	ug/L #	86
40) 4-Methyl-2-pentanone	7.44	43	40268	4.420	ug/L	93
42) Toluene	7.61	91	125552	72.501	ug/L	100
52) Ethylbenzene	9.23	91	181199	9.292	ug/L	98
53) m,p-Xylene	9.35	106	253306	36.673	ug/L	98
54) o-xylene	9.76	106	189011	27.666	ug/L	96
56) Isopropylbenzene	10.14	105	20540	1.115	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	15885	2.166	ug/L #	94

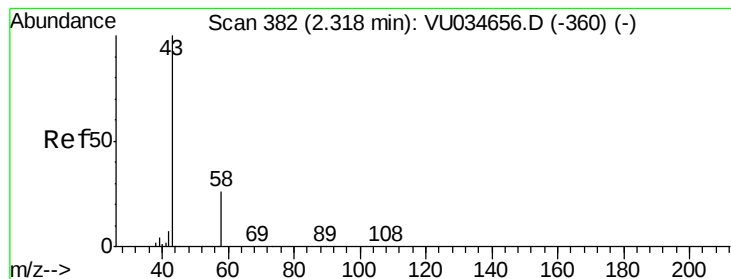
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 10.662 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VU034665.D

Acq: 19 Sep 2019 22:36

Instrument :

MSVOA_U

ClientSampleId :

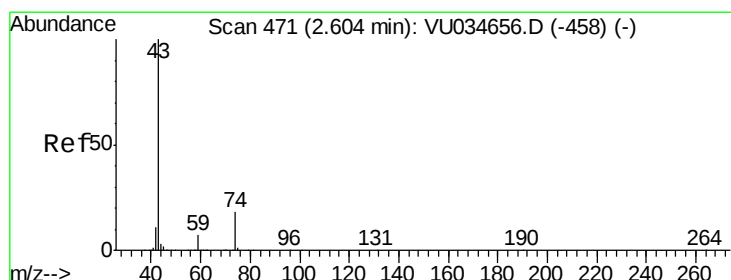
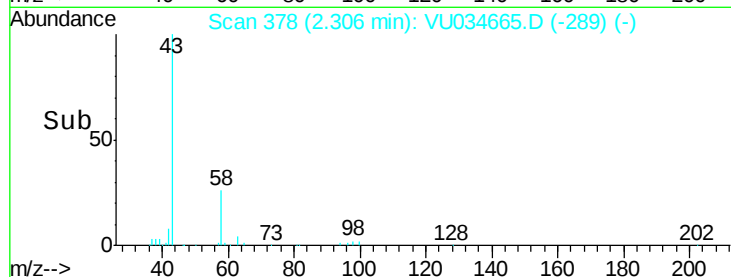
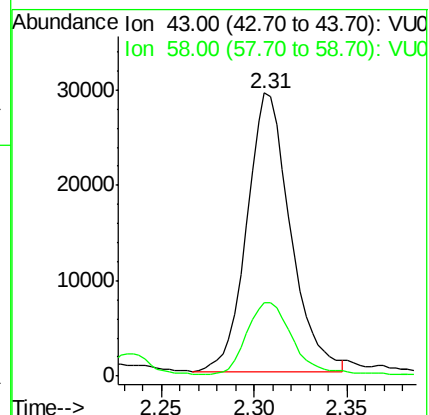
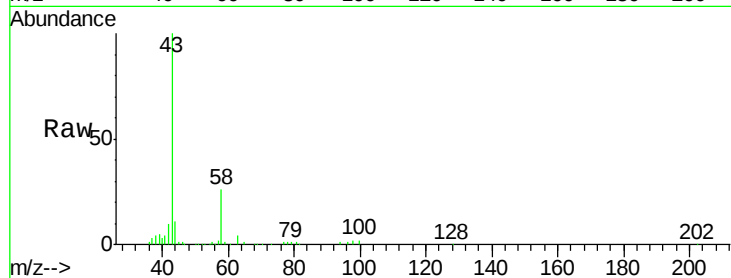
BFDH6

Tot Ion: 43 Resp: 47409

Ion Ratio Lower Upper

43 100

58 26.7 0.0 53.4



#15

Methyl Acetate

Concen: 0.877 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.00 min

Lab File: VU034665.D

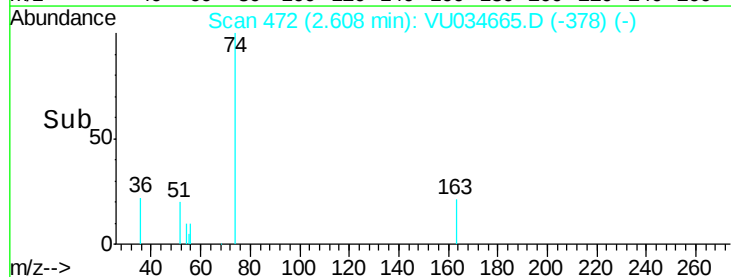
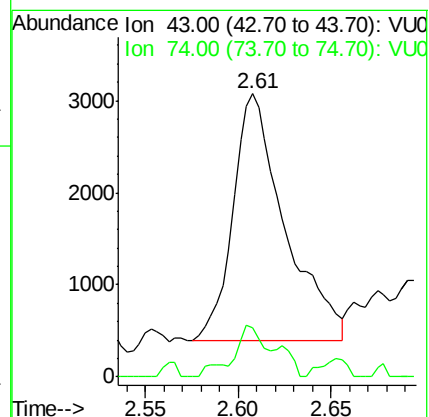
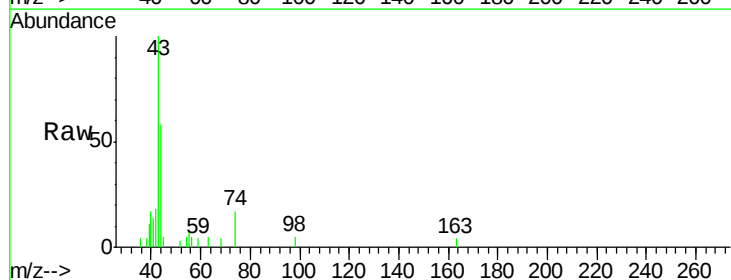
Acq: 19 Sep 2019 22:36

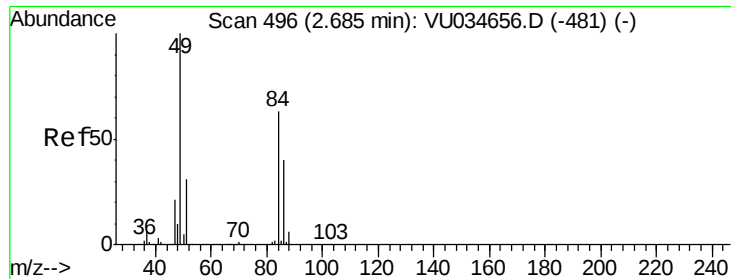
Tgt Ion: 43 Resp: 5209

Ion Ratio Lower Upper

43 100

74 10.0 14.4 21.6#

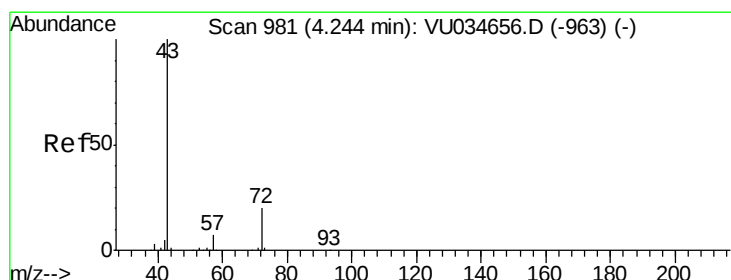
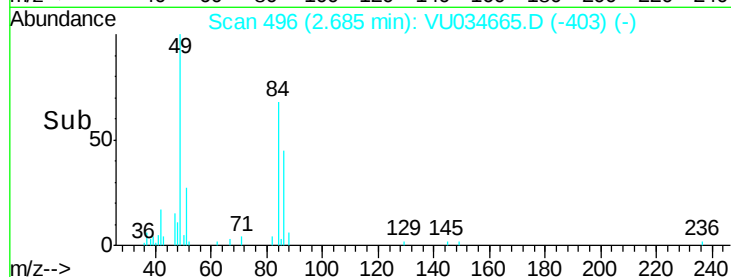
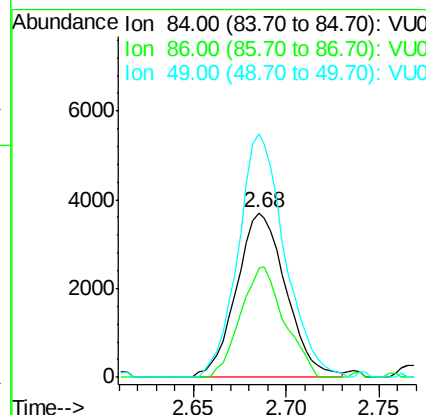
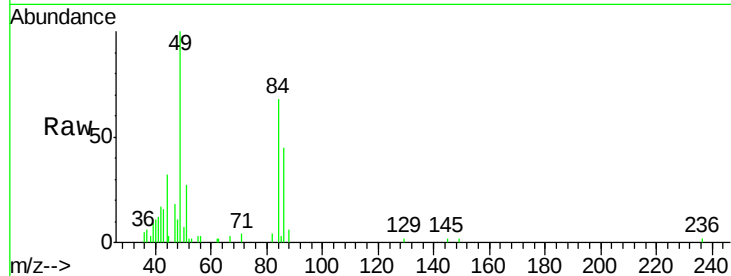




#16
Methvlene chloride
Concen: 1.703 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034665.D
Acq: 19 Sep 2019 22:36

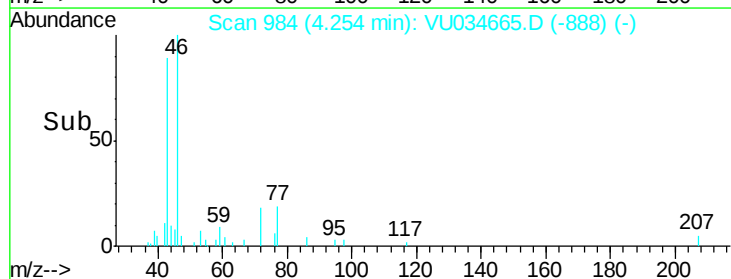
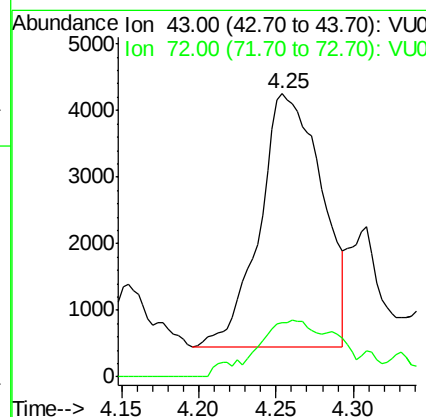
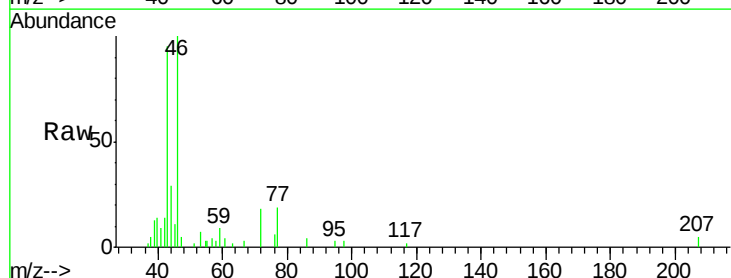
Instrument :
MSVOA_U
ClientSampleId :
BFDH6

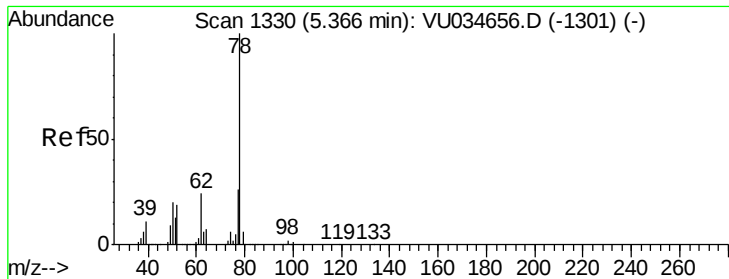
Tot Ion: 84 Resp: 6876
Ion Ratio Lower Upper
84 100
86 66.2 43.0 80.0
49 148.1 109.7 203.7



#22
2-Butanone
Concen: 2.025 ug/L
RT: 4.25 min Scan# 984
Delta R.T. 0.01 min
Lab File: VU034665.D
Acq: 19 Sep 2019 22:36

Tgt Ion: 43 Resp: 10713
Ion Ratio Lower Upper
43 100
72 13.8 10.2 30.6





#33

Benzene

Concen: 2.465 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034665.D

Acq: 19 Sep 2019 22:36

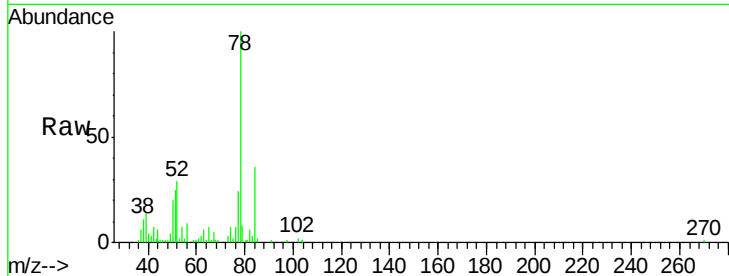
Instrument :

MSVOA_U

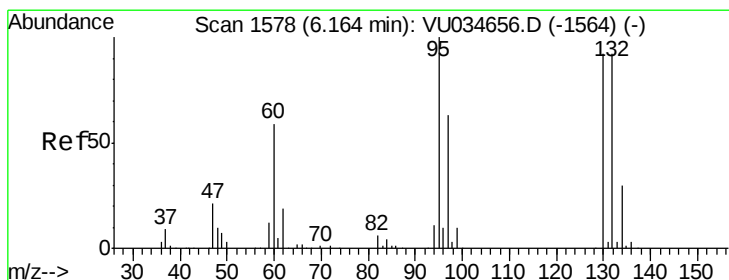
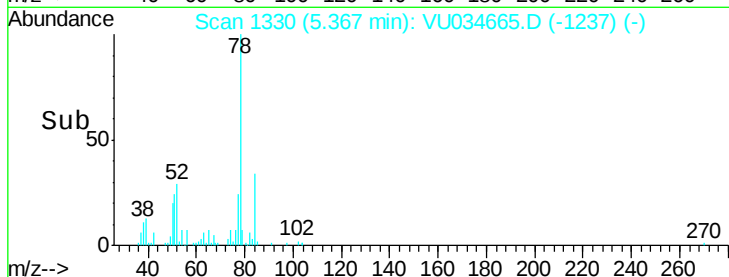
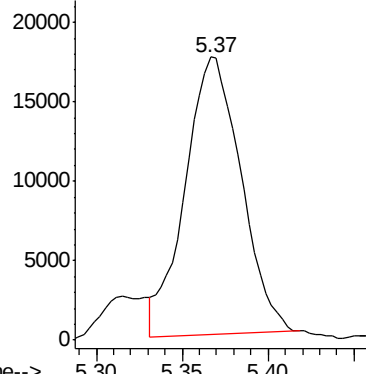
ClientSampleId :

BFDH6

Tgt Ion: 78 Resp: 39498



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 0.941 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU034665.D

Acq: 19 Sep 2019 22:36

Tgt Ion: 95 Resp: 3723

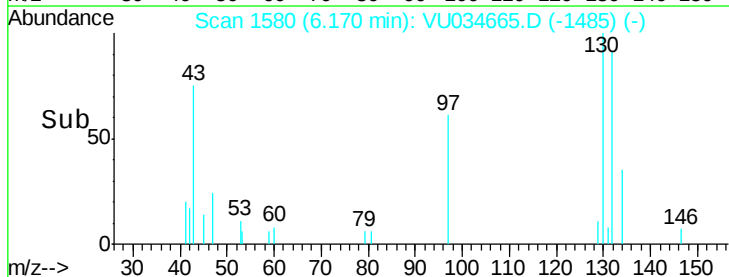
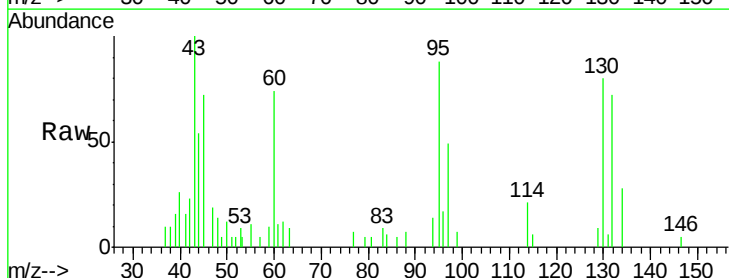
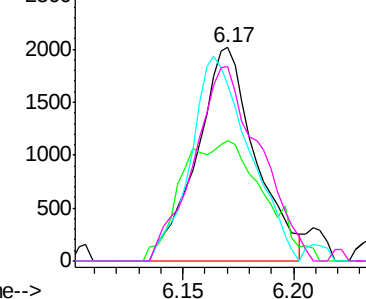
Ion	Ratio	Lower	Upper
95	100		
97	56.1	43.7	81.1
132	82.7	61.0	113.2
130	91.2	65.7	121.9

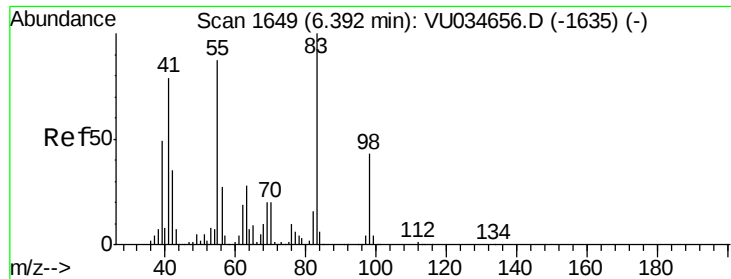
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

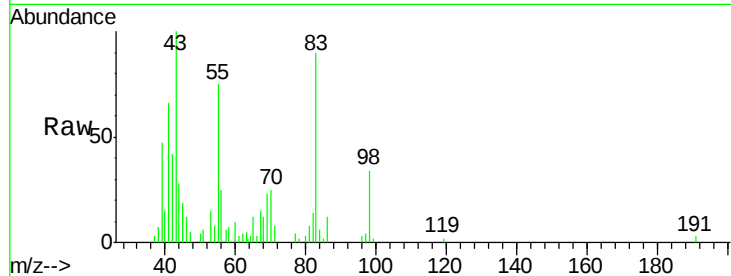




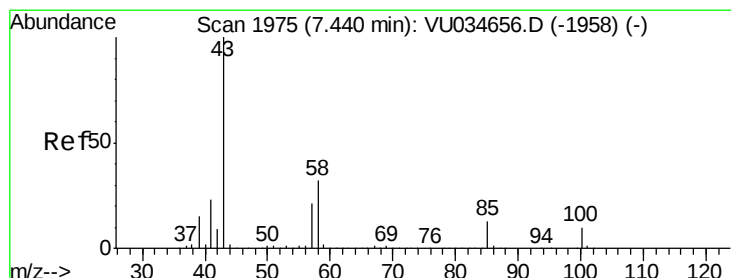
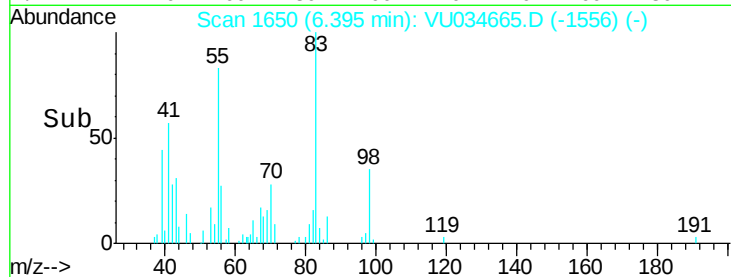
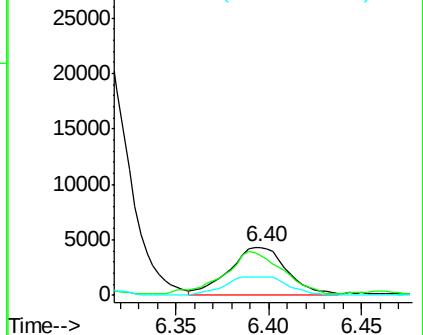
#35
Methylcyclohexane
Concen: 1.407 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034665.D
Acq: 19 Sep 2019 22:36

Instrument :
MSVOA_U
ClientSampleId :
BFDH6

Tot Ion: 83 Resp: 9449
Ion Ratio Lower Upper
83 100
55 88.9 71.6 107.4
98 17.8 35.7 53.5#

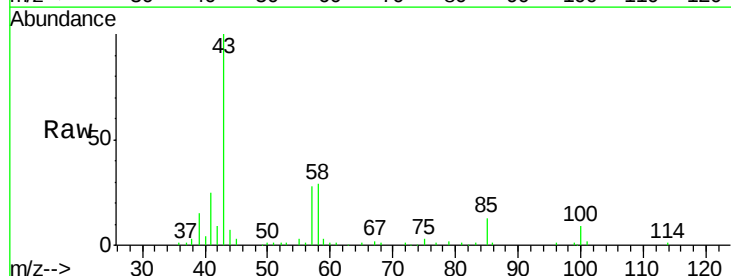


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

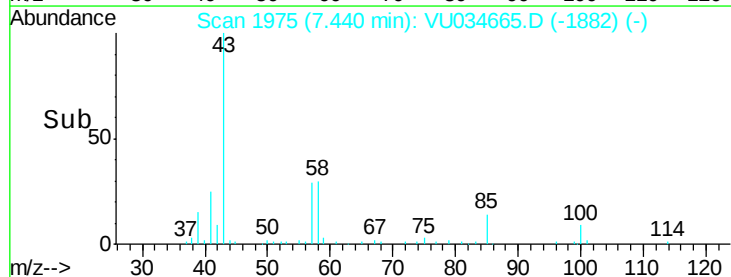
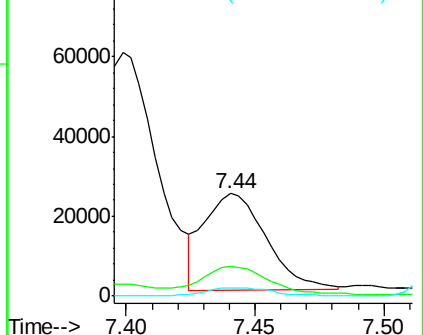


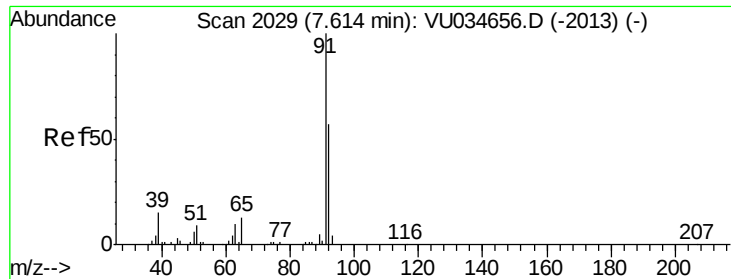
#40
4-Methyl-2-pentanone
Concen: 4.420 ug/L
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034665.D
Acq: 19 Sep 2019 22:36

Tgt Ion: 43 Resp: 40268
Ion Ratio Lower Upper
43 100
58 36.1 25.2 37.8
100 9.2 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 72.501 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034665.D

Acq: 19 Sep 2019 22:36

Instrument :

MSVOA_U

ClientSampleId :

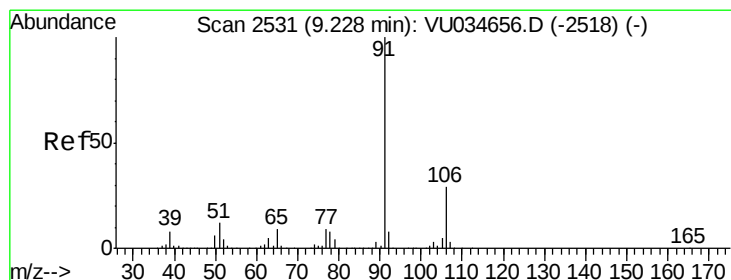
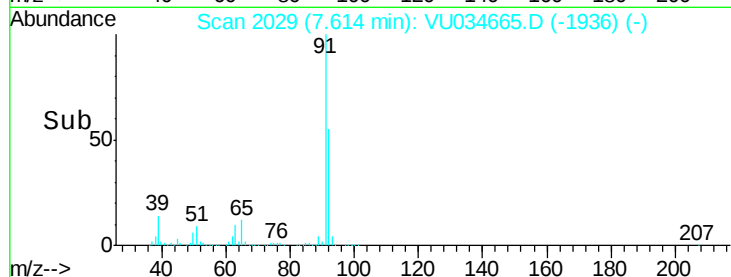
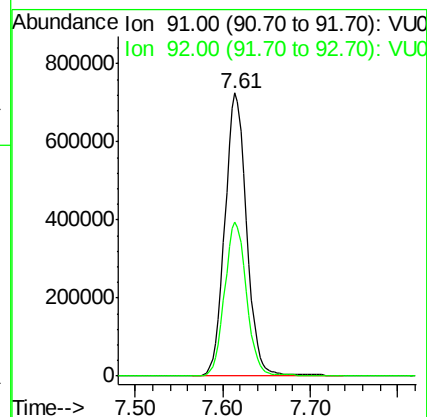
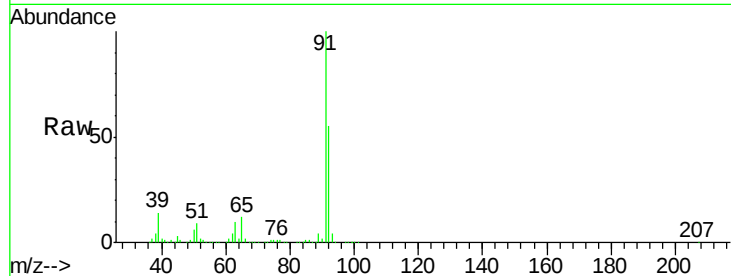
BFDH6

Tot Ion: 91 Resp: 125552

Ion Ratio Lower Upper

91 100

92 54.7 38.2 71.0



#52

Ethylbenzene

Concen: 9.292 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034665.D

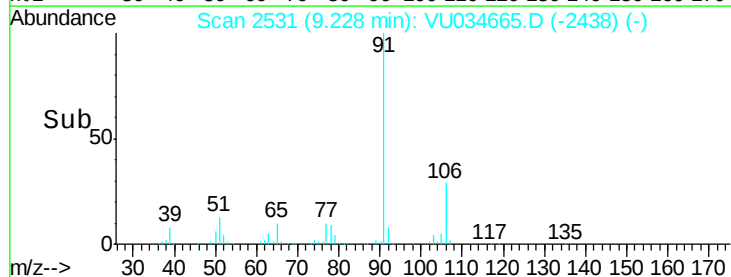
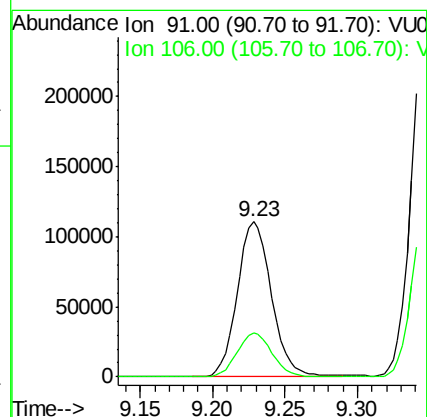
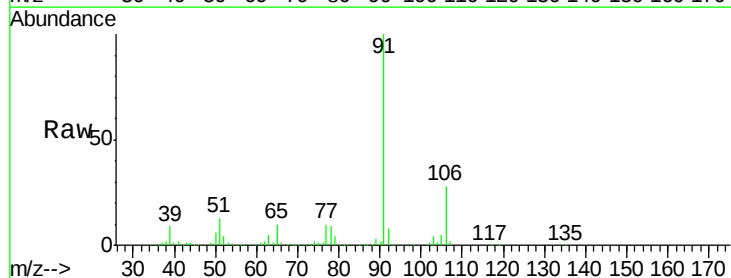
Acq: 19 Sep 2019 22:36

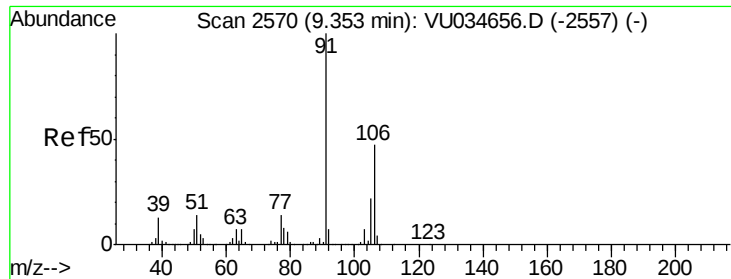
Tgt Ion: 91 Resp: 181199

Ion Ratio Lower Upper

91 100

106 28.5 20.6 38.4





#53

m,p-Xylene

Concen: 36.673 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034665.D

Acq: 19 Sep 2019 22:36

Instrument :

MSVOA_U

ClientSampleId :

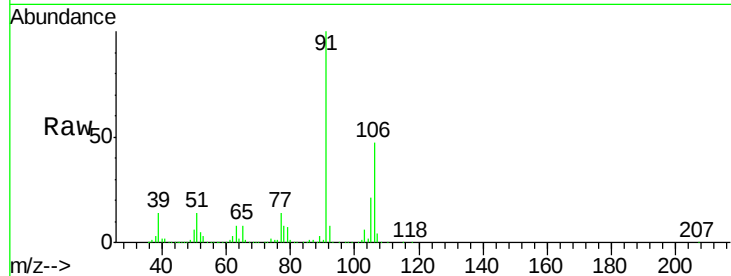
BFDH6

Tot Ion:106 Resp: 253306

Ion Ratio Lower Upper

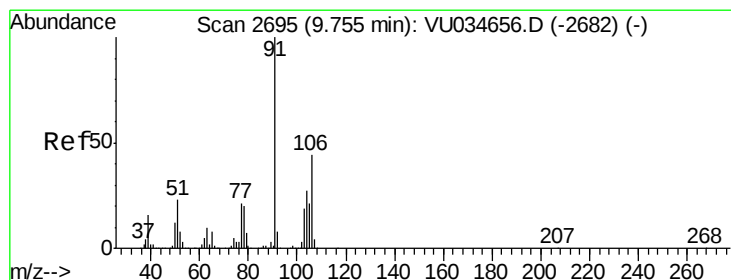
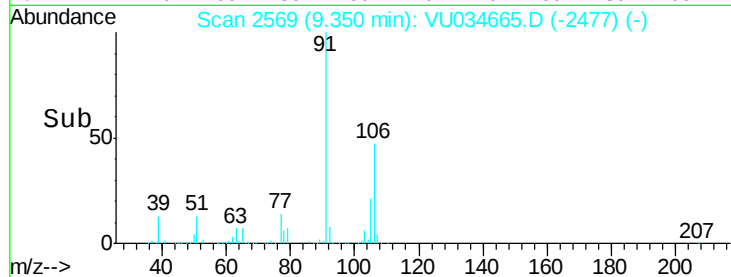
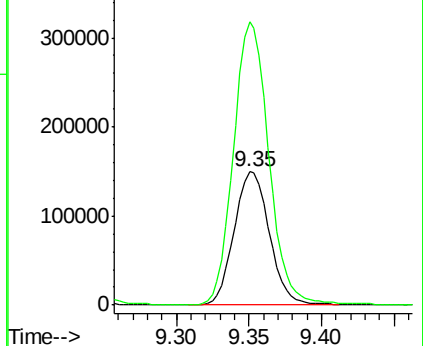
106 100

91 212.3 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 27.666 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034665.D

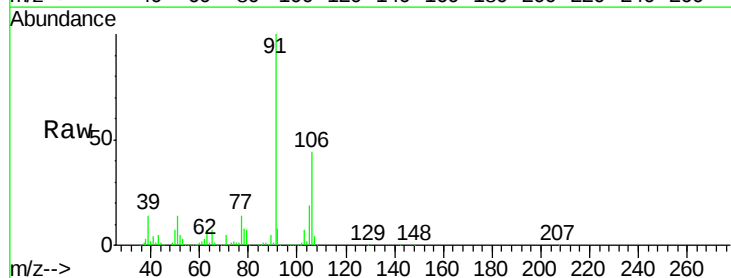
Acq: 19 Sep 2019 22:36

Tgt Ion:106 Resp: 189011

Ion Ratio Lower Upper

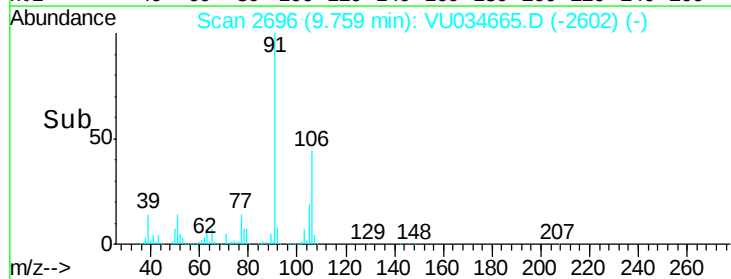
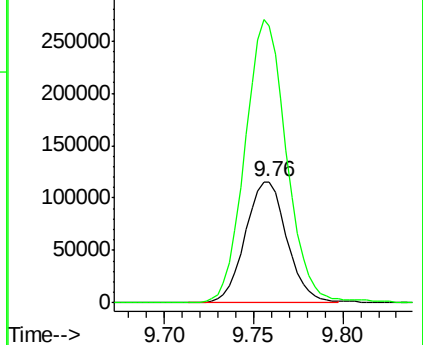
106 100

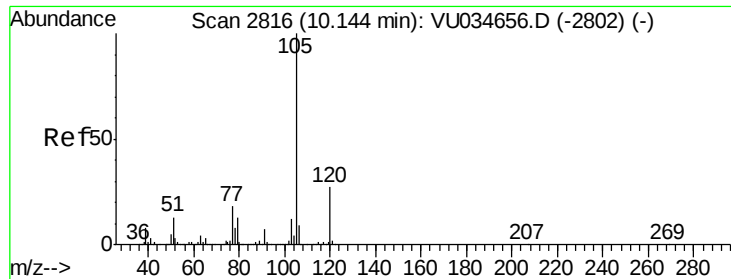
91 229.1 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 1.115 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034665.D

Acq: 19 Sep 2019 22:36

Instrument :

MSVOA_U

ClientSampleId :

BFDH6

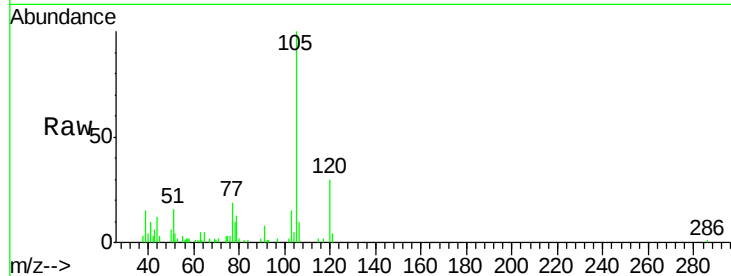
Tot Ion:105 Resp: 20540

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

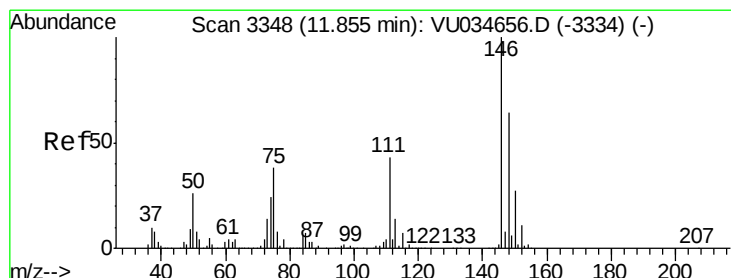
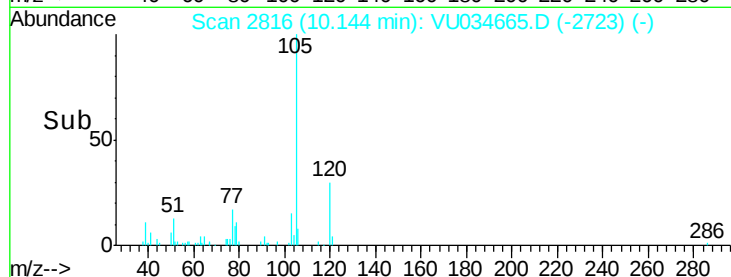
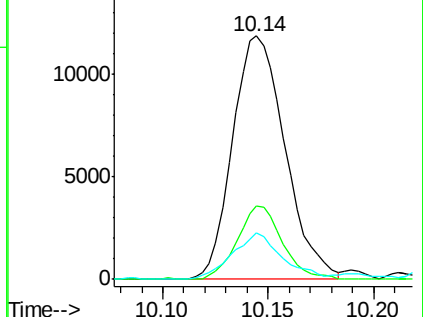
77 18.0 14.2 21.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#65

1,2-Dichlorobenzene

Concen: 2.166 ug/L

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034665.D

Acq: 19 Sep 2019 22:36

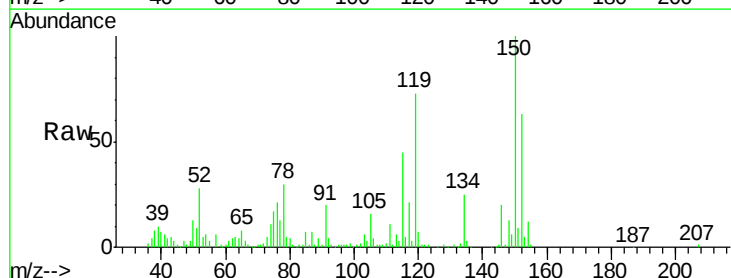
Tgt Ion:146 Resp: 15885

Ion Ratio Lower Upper

146 100

111 53.5 35.2 52.8#

148 66.5 53.0 79.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

