

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

Quant Time: Sep 20 04:10:37 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

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2803	0.824	ug/L #	25
13) Acetone	2.31	43	141267	31.011	ug/L	99
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
40) 4-Methyl-2-pentanone	7.40	43	95923	10.190	ug/L #	58
42) Toluene	7.62	91	345105	19.283	ug/L	98
44) trans-1,3-Dichloropropene	7.83	75	6755	1.011	ug/L	92
48) 2-Hexanone	8.40	43	93646	12.737	ug/L #	1
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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Quantitation Report (Not Reviewed)

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

Quant Time: Sep 20 04:10:37 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

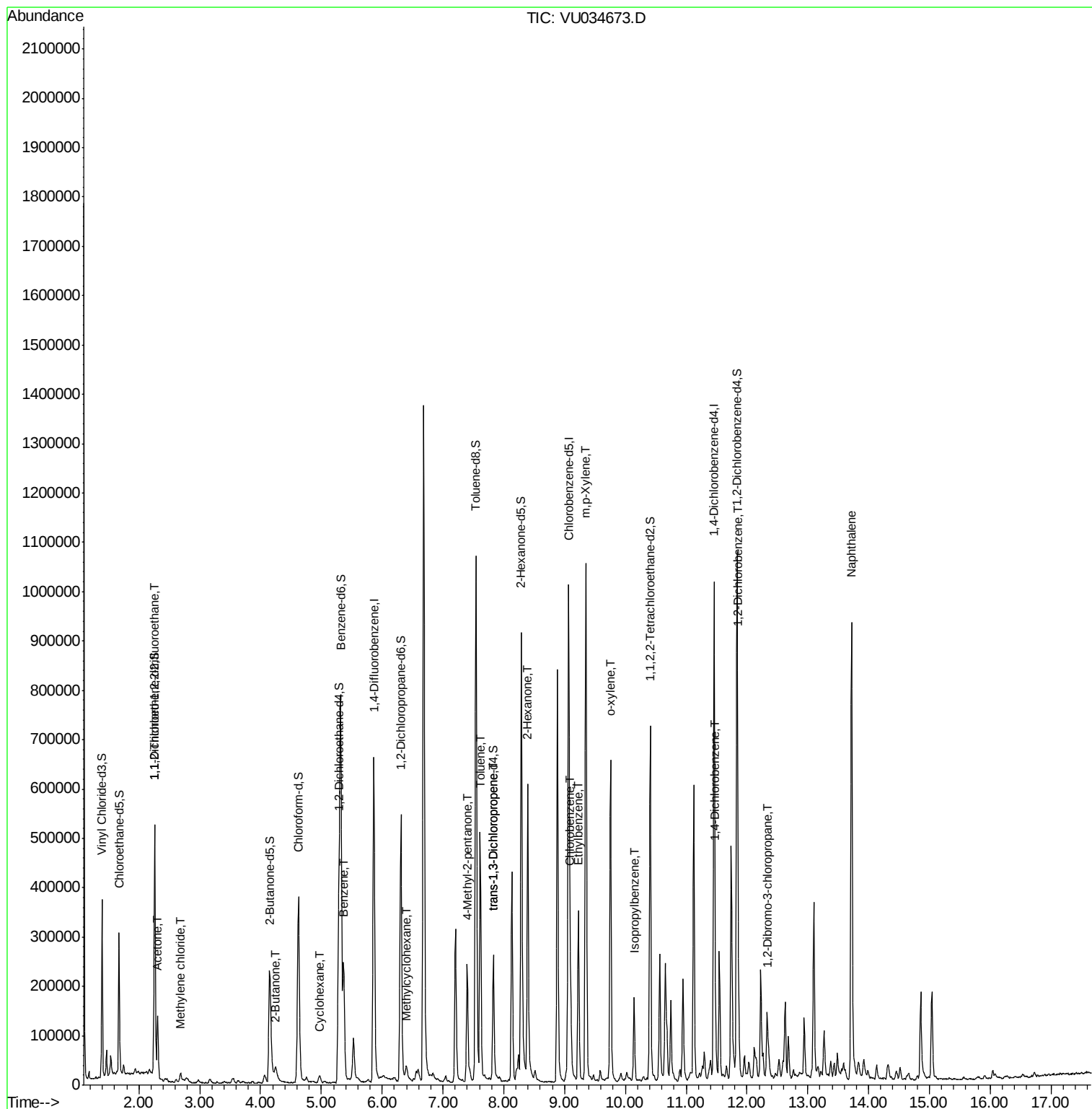
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.85	146	41629	5.217	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.33	75	2181	1.286	ug/L #	10
69) Naphthalene	13.72	128	694780	48.233	ug/L	99

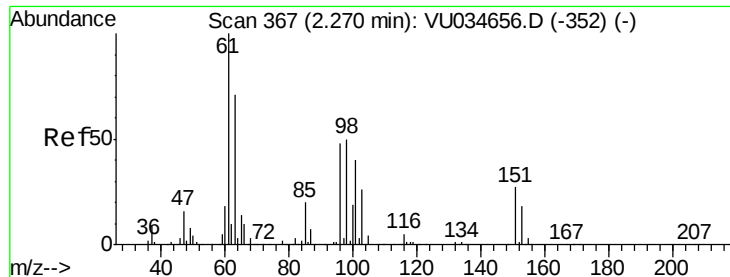
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Quant Time: Sep 20 04:10:37 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





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.824 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034673.D

Acq: 20 Sep 2019 01:43

Instrument :

MSVOA_U

ClientSampleId :

BFDG1

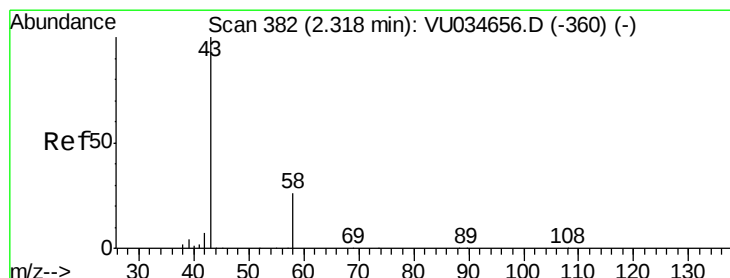
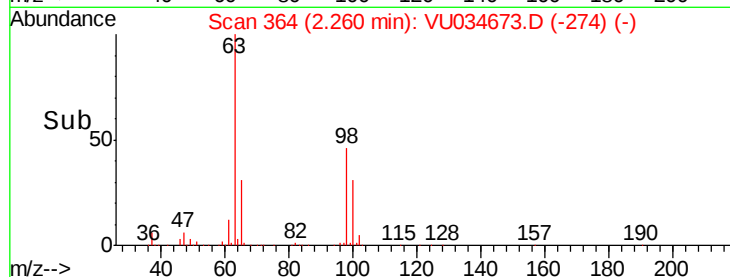
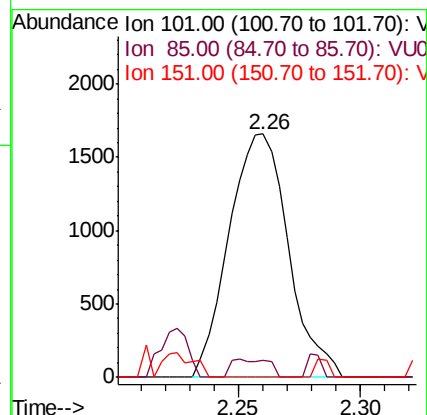
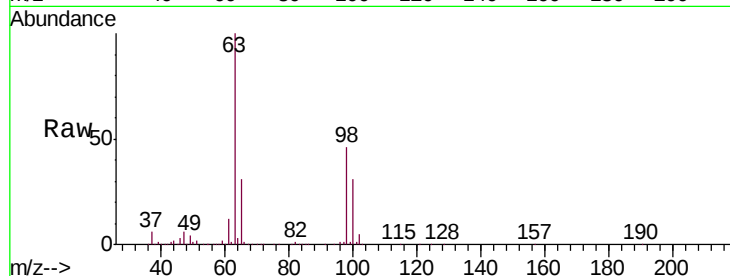
Tgt Ion:101 Resp: 2803

Ion Ratio Lower Upper

101 100

85 3.2 39.0 58.4#

151 1.5 52.8 79.2#



#13

Acetone

Concen: 31.011 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VU034673.D

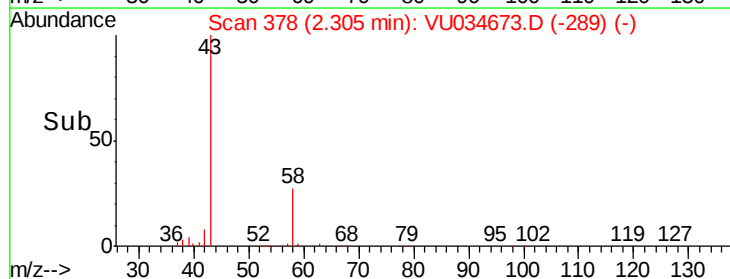
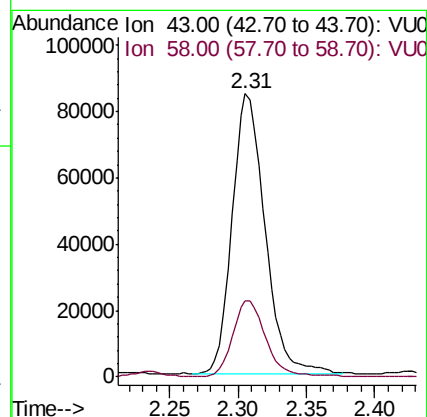
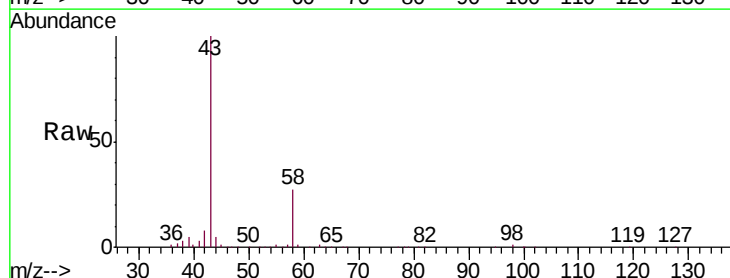
Acq: 20 Sep 2019 01:43

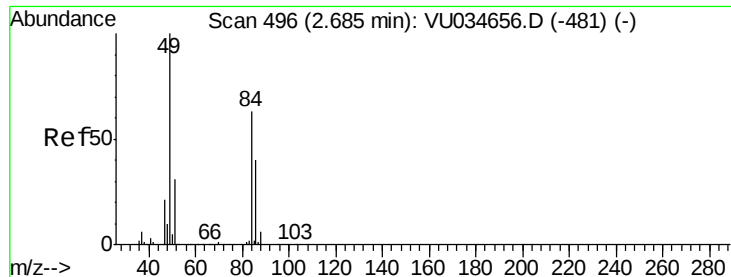
Tgt Ion: 43 Resp: 141267

Ion Ratio Lower Upper

43 100

58 27.4 0.0 53.4

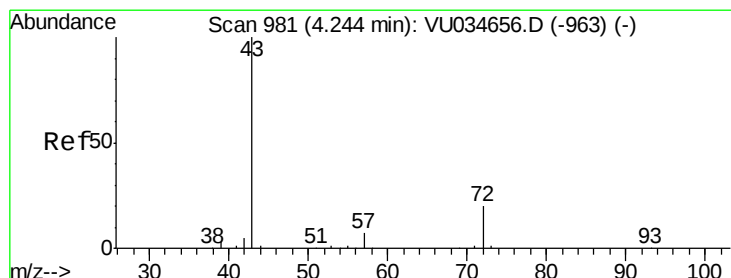
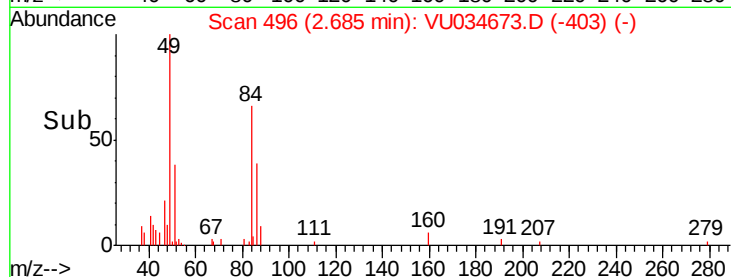
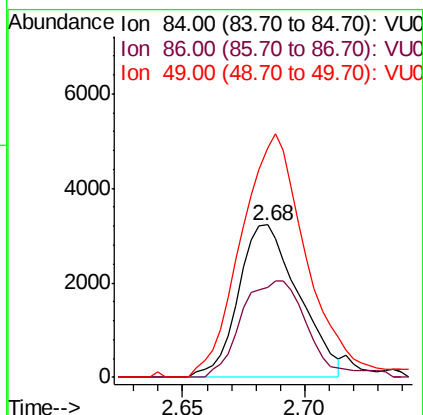
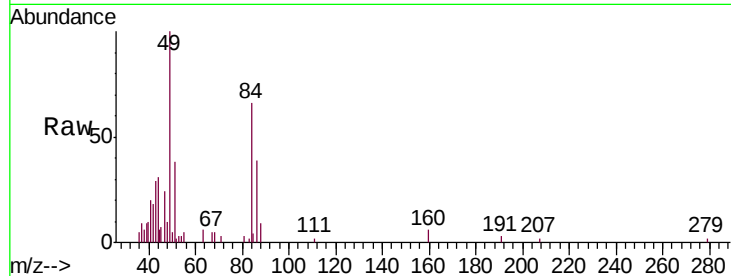




#16
Methylene chloride
Concen: 1.338 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

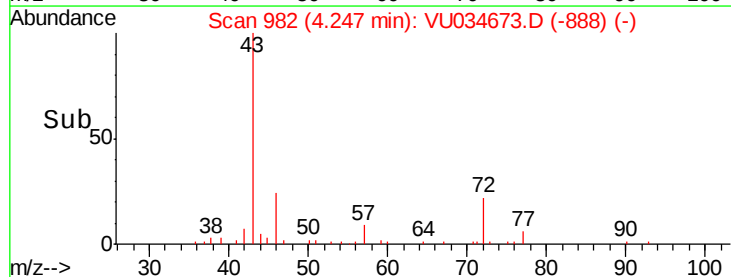
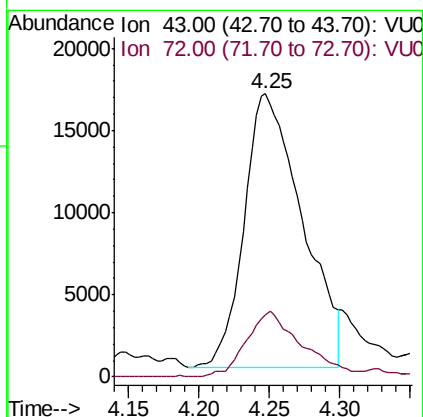
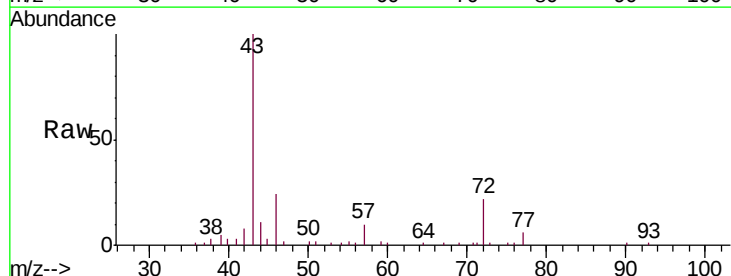
Instrument :
MSVOA_U
ClientSampleId :
BFDG1

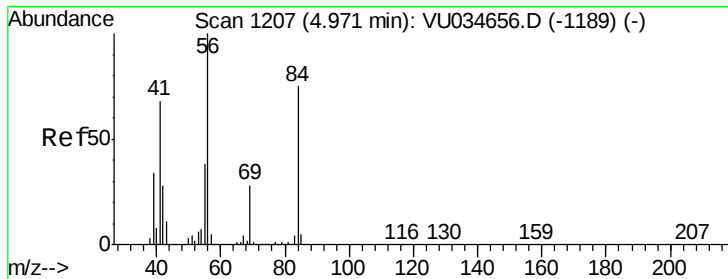
Tgt Ion: 84 Resp: 5536
Ion Ratio Lower Upper
84 100
86 59.0 43.0 80.0
49 150.9 109.7 203.7



#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

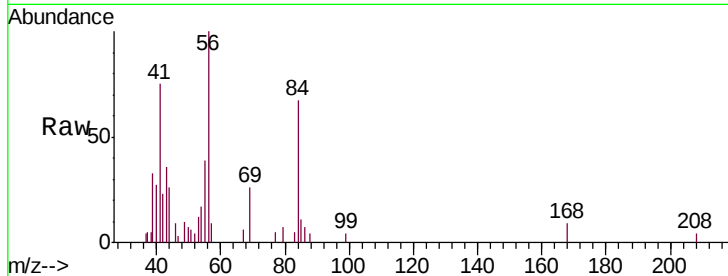




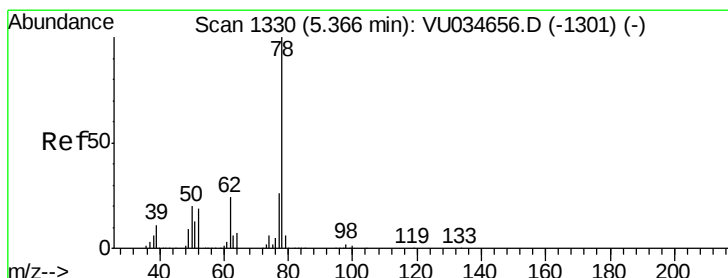
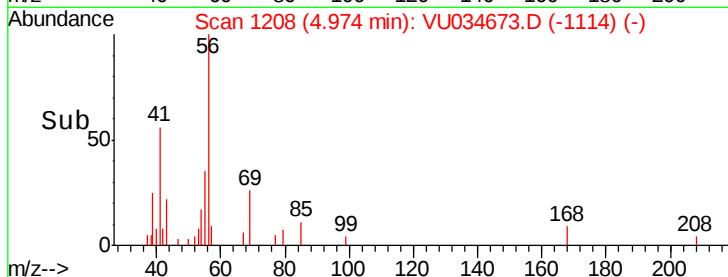
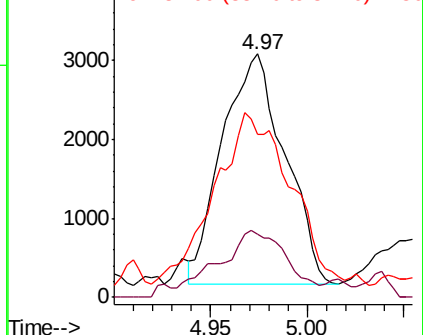
#29
Cyclohexane
Concen: 0.836 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

Instrument :
MSVOA_U
ClientSampleId :
BFDG1

Tgt Ion: 56 Resp: 6591
Ion Ratio Lower Upper
56 100
69 23.5 21.7 32.5
84 8.2 58.8 88.2#

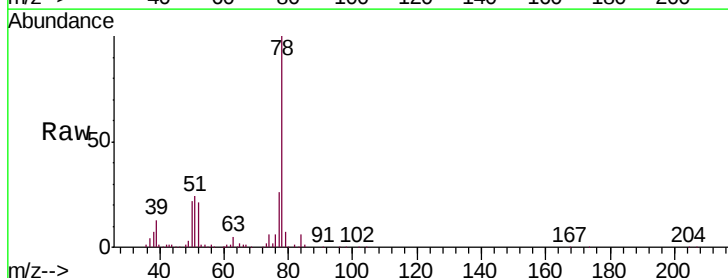


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

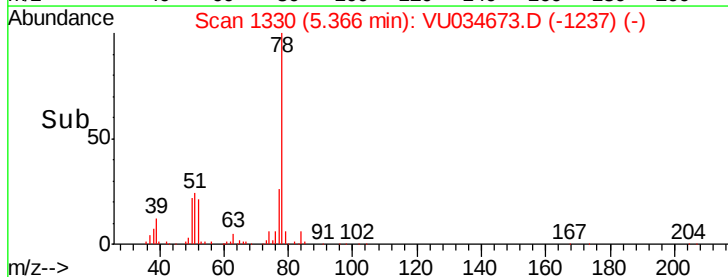
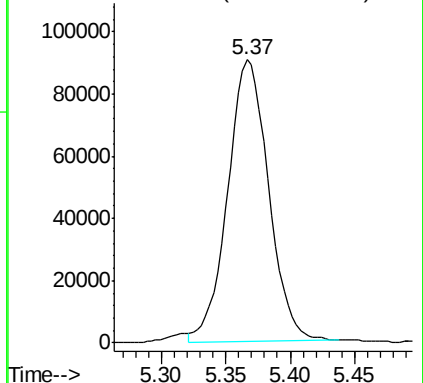


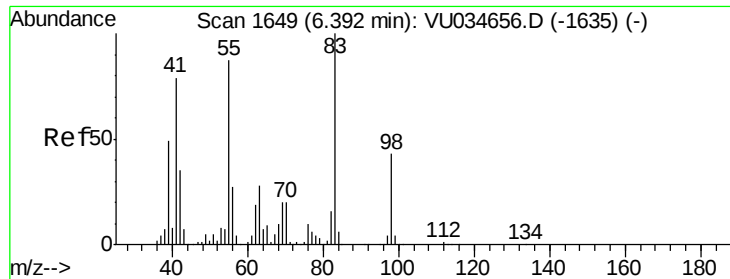
#33
Benzene
Concen: 12.057 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

Tgt Ion: 78 Resp: 199666



Abundance Ion 78.00 (77.70 to 78.70): VU0

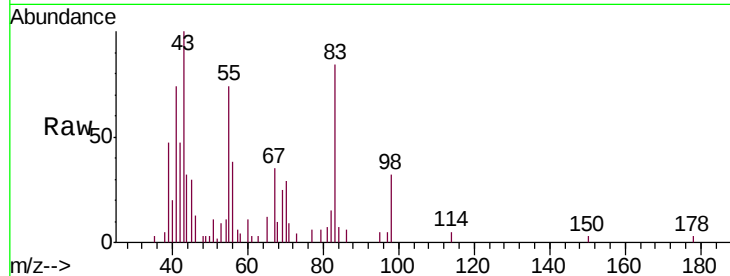




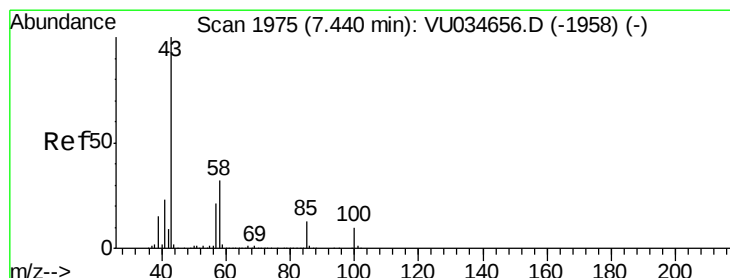
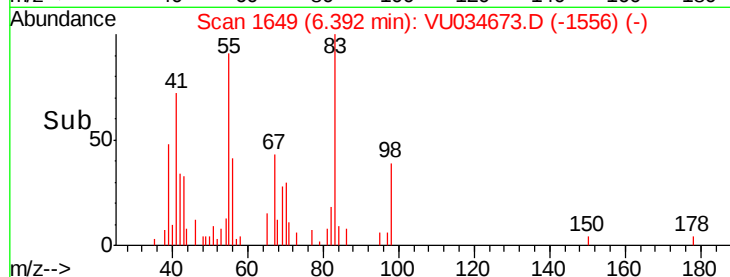
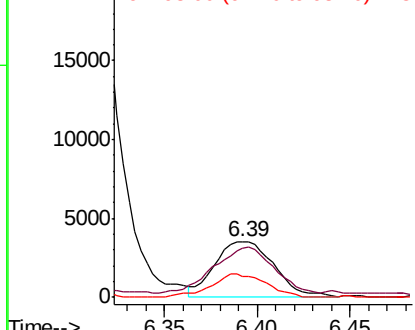
#35
Methylcyclohexane
Concen: 1.143 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

Instrument :
MSVOA_U
ClientSampled :
BFDG1

Tgt Ion: 83 Resp: 7932
Ion Ratio Lower Upper
83 100
55 82.0 71.6 107.4
98 36.2 35.7 53.5

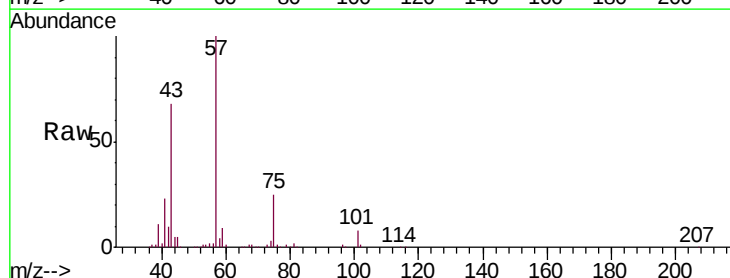


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

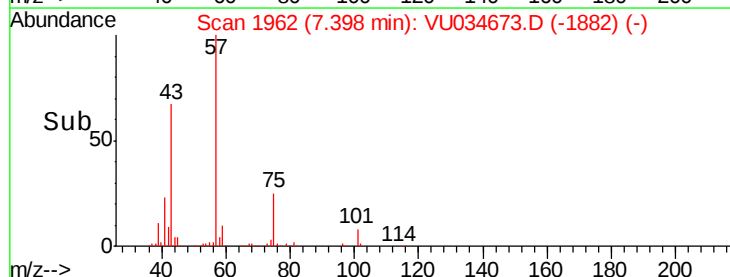
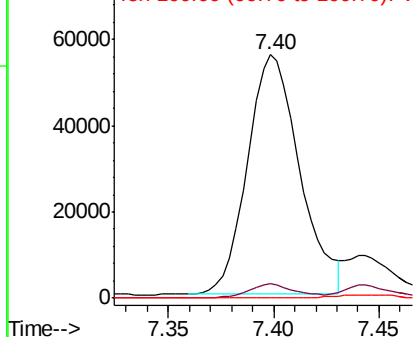


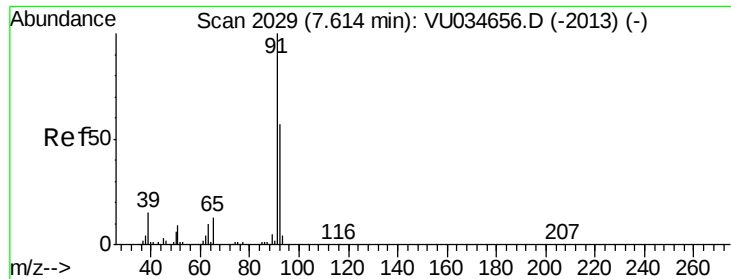
#40
4-Methyl-2-pentanone
Concen: 10.190 ug/L
RT: 7.40 min Scan# 1962
Delta R.T. -0.04 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

Tgt Ion: 43 Resp: 95923
Ion Ratio Lower Upper
43 100
58 5.4 25.2 37.8#
100 0.1 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: 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

Instrument :

MSVOA_U

ClientSampleId :

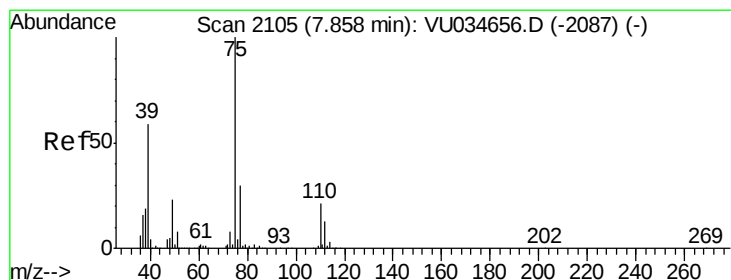
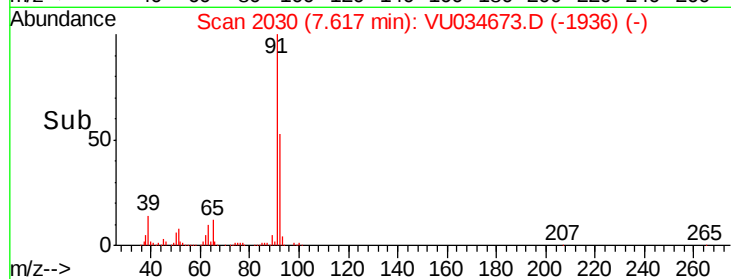
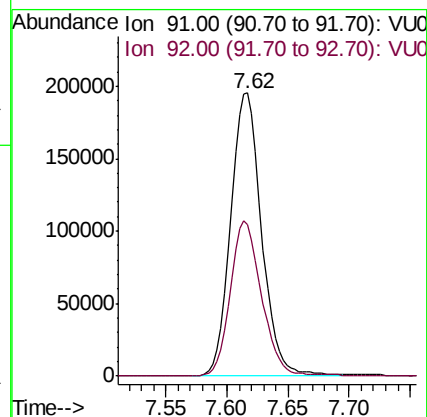
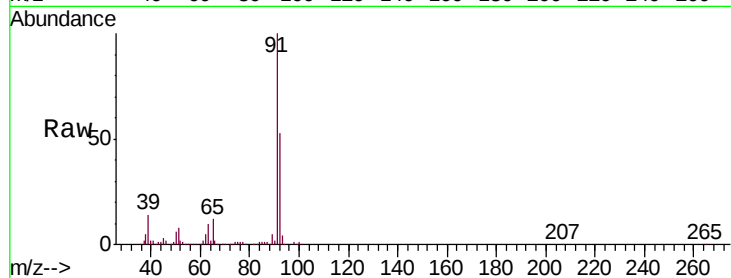
BFDG1

Tgt Ion: 91 Resp: 345105

Ion Ratio Lower Upper

91 100

92 53.4 38.2 71.0



#44

trans-1,3-Dichloropropene

Concen: 1.011 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU034673.D

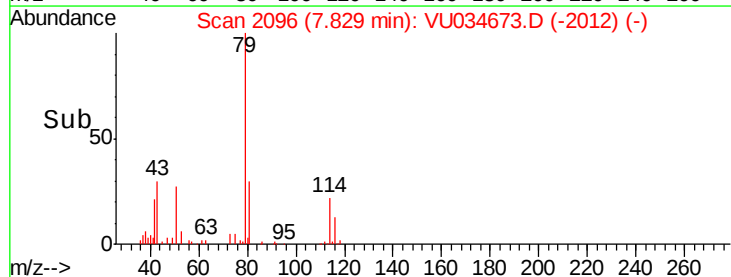
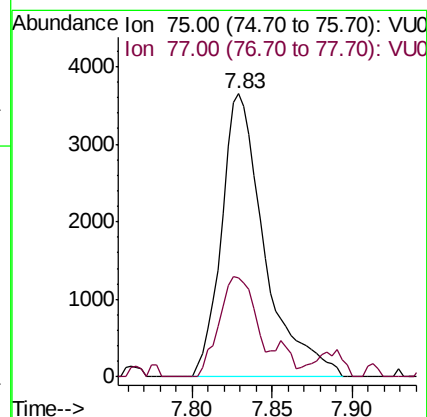
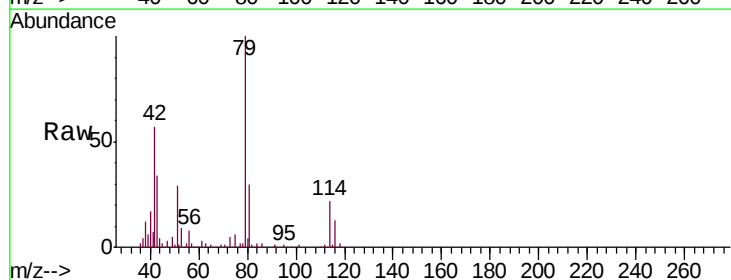
Acq: 20 Sep 2019 01:43

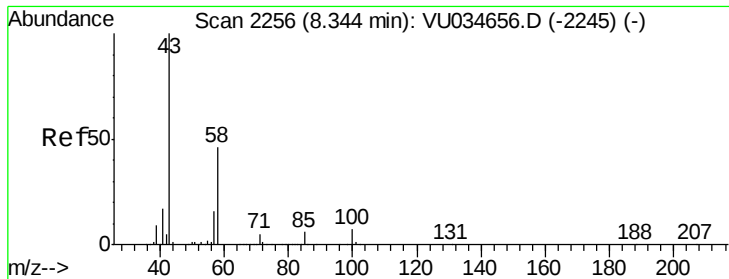
Tgt Ion: 75 Resp: 6755

Ion Ratio Lower Upper

75 100

77 34.9 21.4 39.8

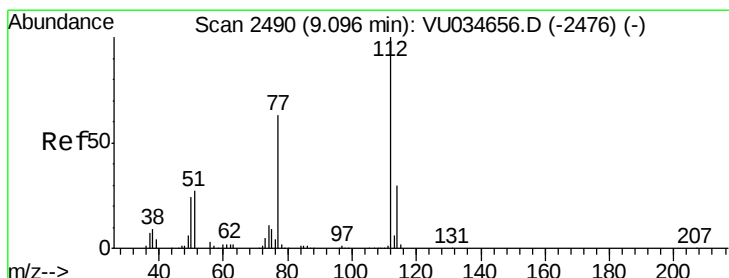
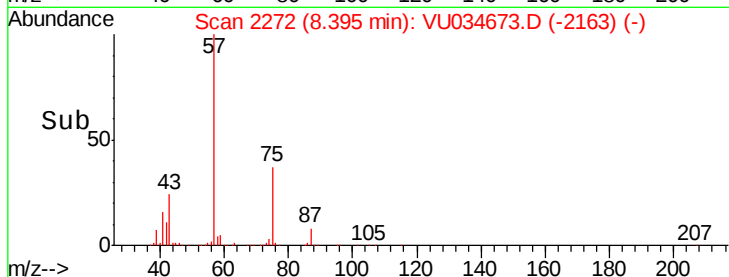
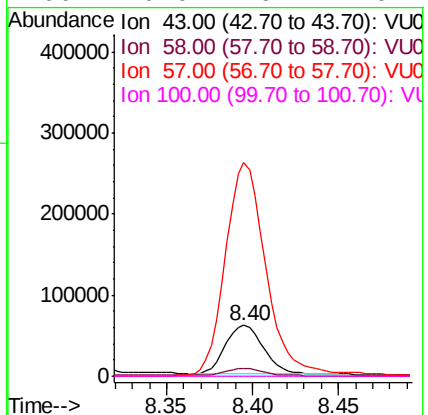
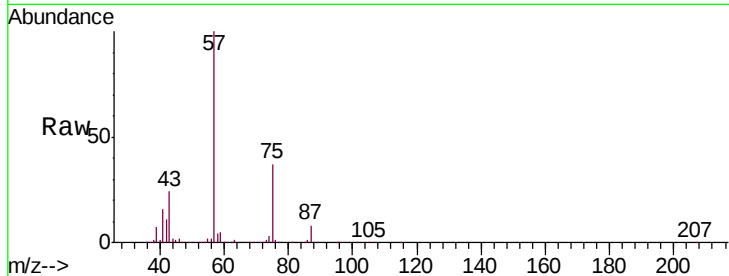




#48
2-Hexanone
Concen: 12.737 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.05 min
Lab File: VU034673.D
Acq: 20 Sep 2019 01:43

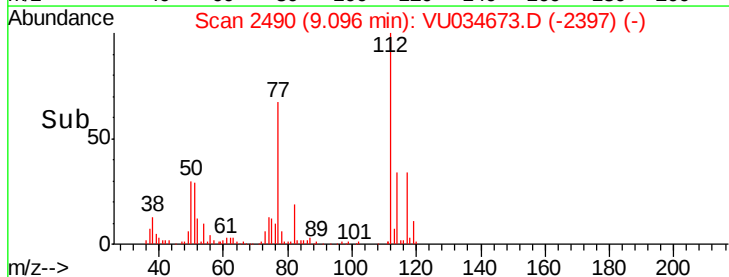
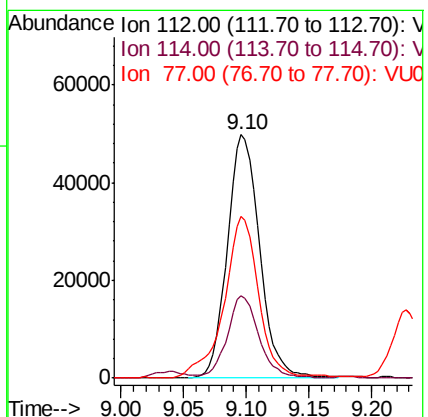
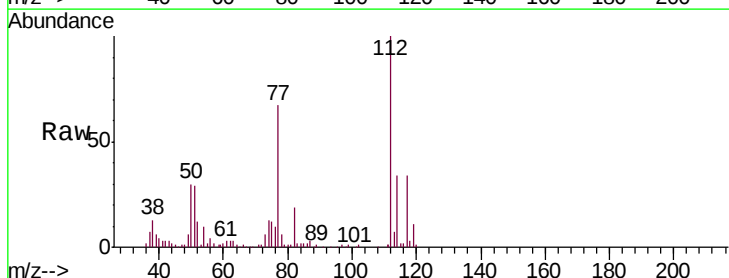
Instrument :
MSVOA_U
ClientSampleId :
BFDG1

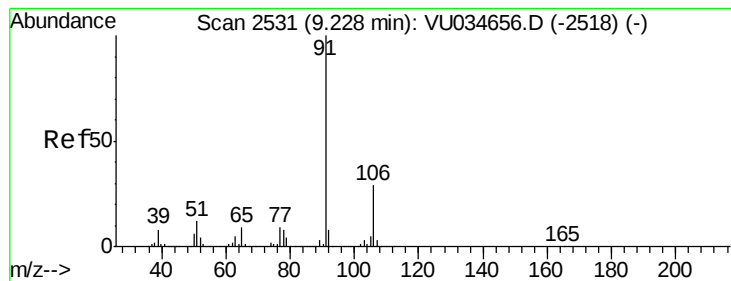
Tgt Ion: 43 Resp: 93646
Ion Ratio Lower Upper
43 100
58 17.8 35.3 52.9#
57 460.3 12.1 18.1#
100 0.0 6.2 9.4#



#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

Tgt Ion: 112 Resp: 89631
Ion Ratio Lower Upper
112 100
114 33.7 22.8 42.4
77 66.6 51.5 77.3





#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

Instrument :

MSVOA_U

ClientSampleId :

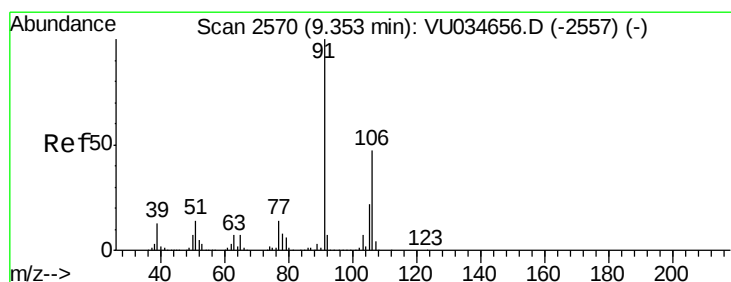
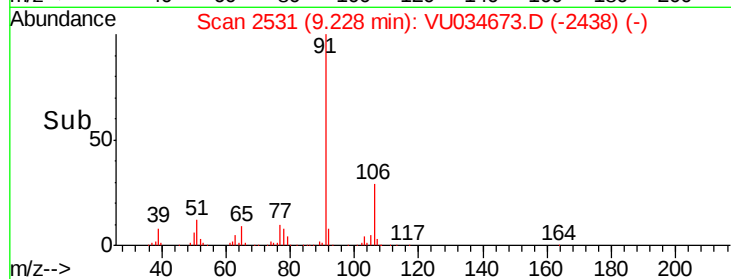
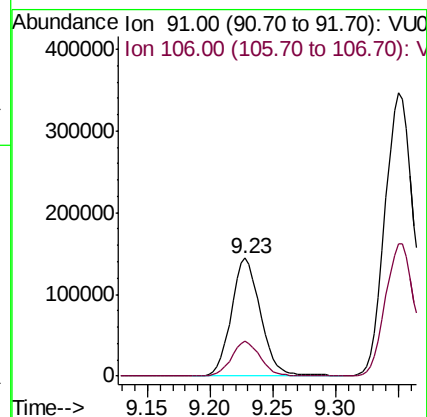
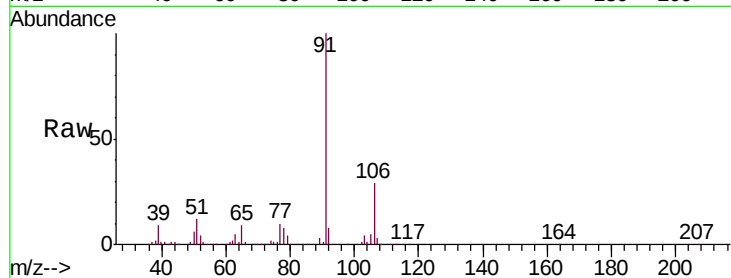
BFDG1

Tgt Ion: 91 Resp: 235943

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

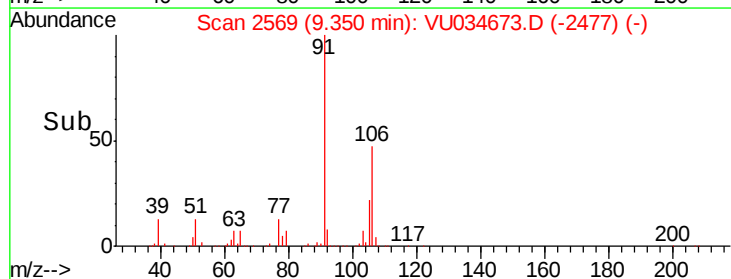
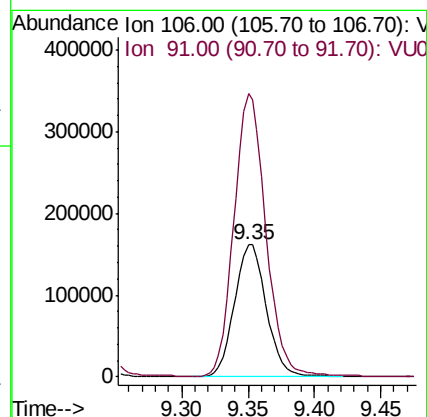
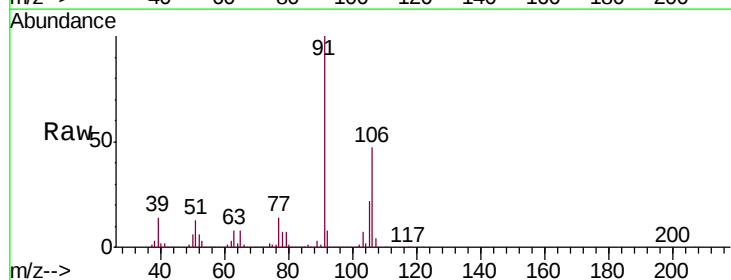
Acq: 20 Sep 2019 01:43

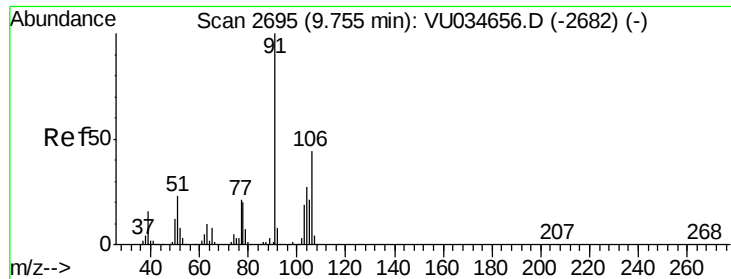
Tgt Ion: 106 Resp: 270198

Ion Ratio Lower Upper

106 100

91 214.9 146.9 272.7





#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

Instrument :

MSVOA_U

ClientSampleId :

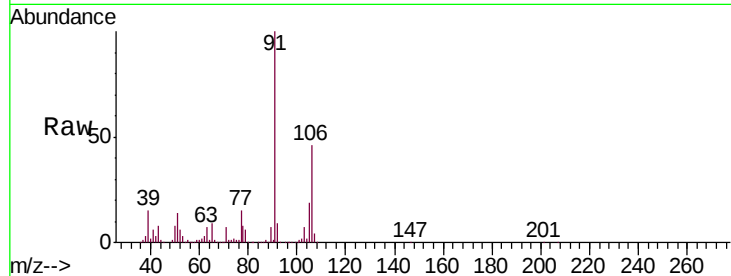
BFDG1

Tgt Ion:106 Resp: 143139

Ion Ratio Lower Upper

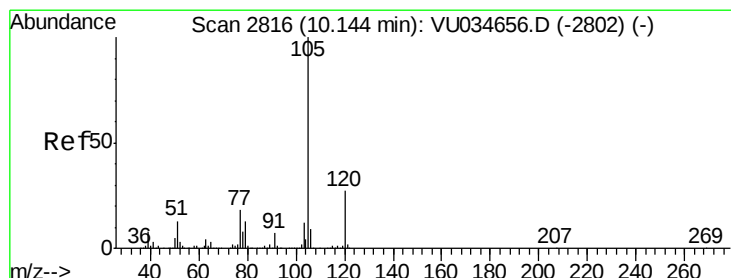
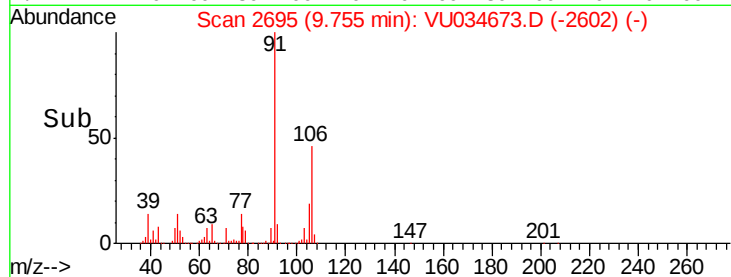
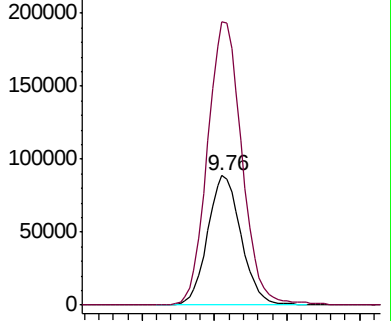
106 100

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

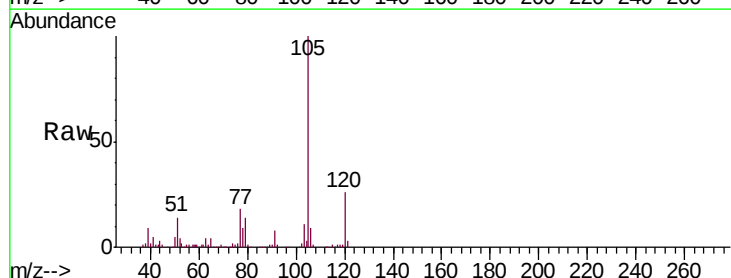
Tgt Ion:105 Resp: 100995

Ion Ratio Lower Upper

105 100

120 25.0 20.4 30.6

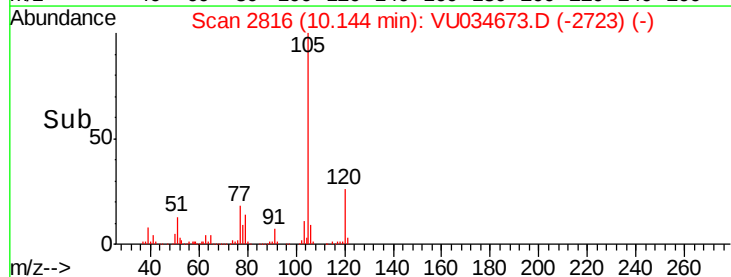
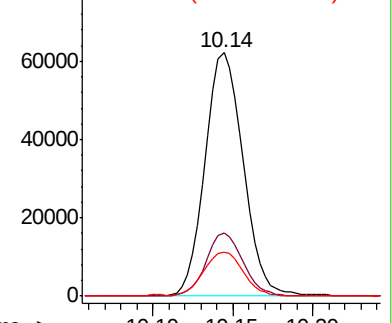
77 18.9 14.2 21.4

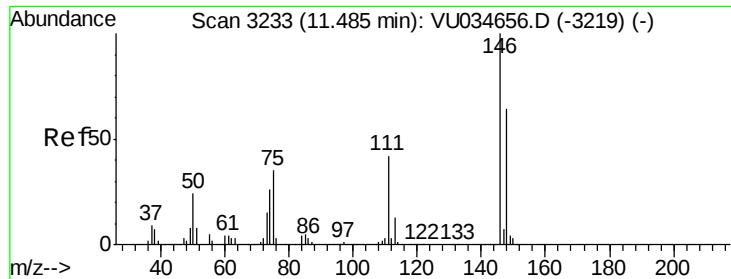


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

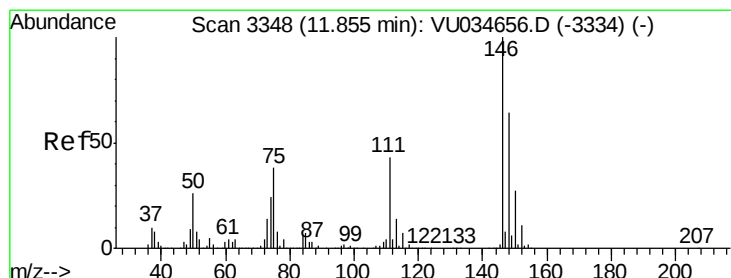
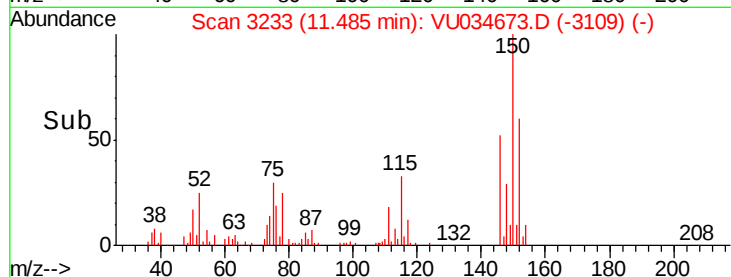
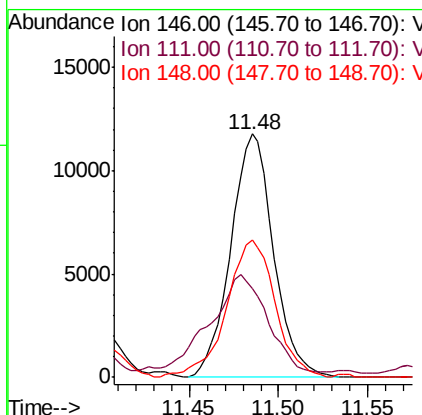
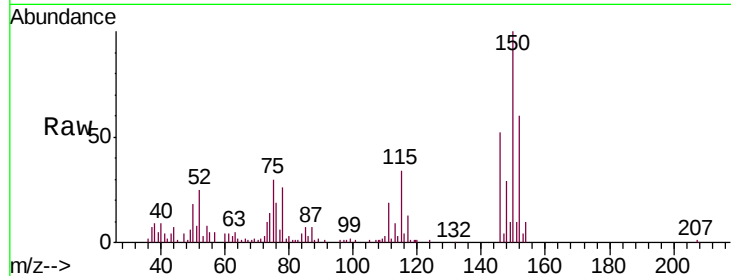




#63
 1,4-Dichlorobenzene
 Concen: 2.450 ug/L
 RT: 11.48 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034673.D
 Acq: 20 Sep 2019 01:43

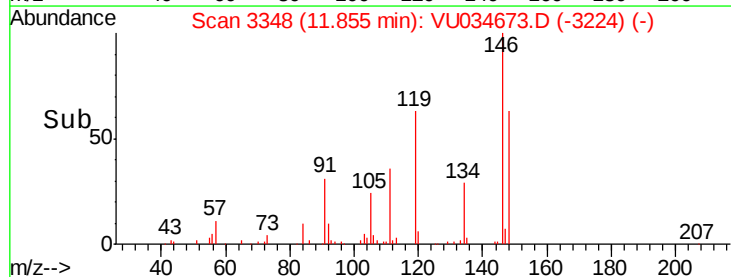
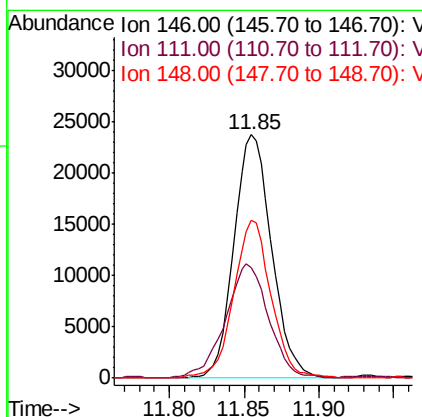
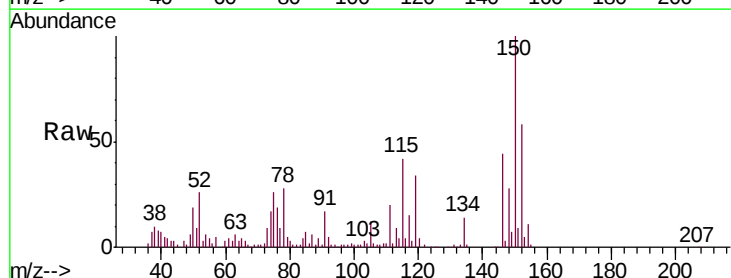
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDG1

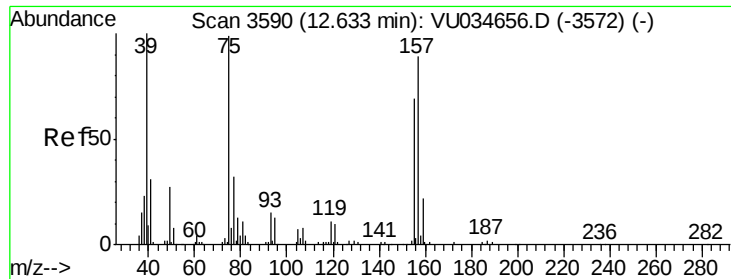
Tgt Ion:146 Resp: 19711
 Ion Ratio Lower Upper
 146 100
 111 36.2 29.5 54.9
 148 56.2 44.4 82.4



#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

Tgt Ion:146 Resp: 41629
 Ion Ratio Lower Upper
 146 100
 111 45.6 35.2 52.8
 148 64.7 53.0 79.6

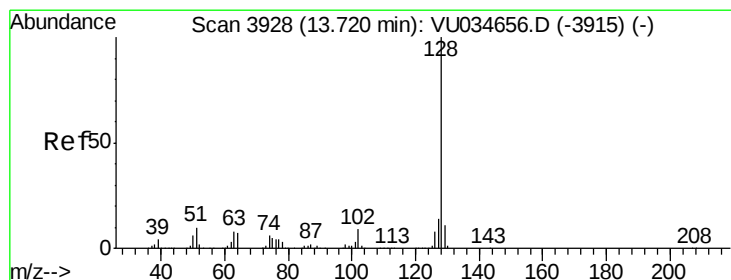
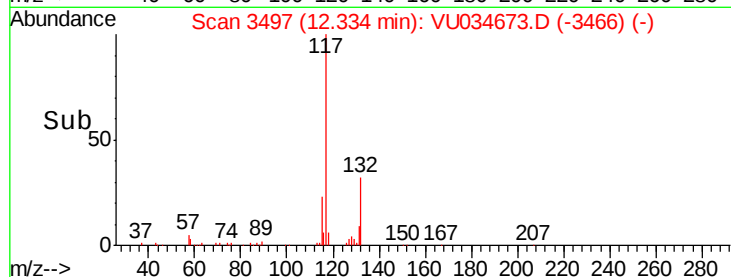
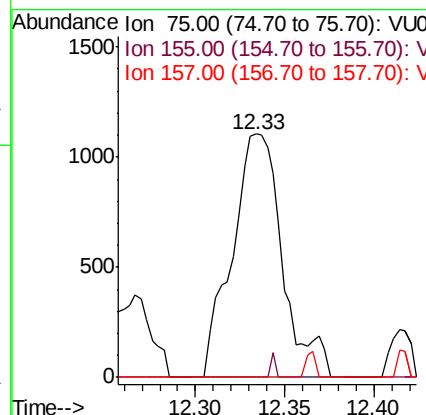
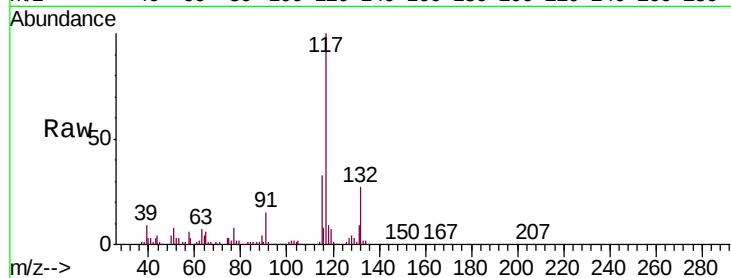




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.286 ug/L
 RT: 12.33 min Scan# 3497
 Delta R.T. -0.30 min
 Lab File: VU034673.D
 Acq: 20 Sep 2019 01:43

Instrument :
 MSVOA_U
 ClientSampled :
 BFDG1

Tgt Ion: 75 Resp: 2181
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.7 82.1#
 157 0.0 69.9 104.9#



#69
 Naphthalene
 Concen: 48.233 ug/L
 RT: 13.72 min Scan# 3928
 Delta R.T. -0.00 min
 Lab File: VU034673.D
 Acq: 20 Sep 2019 01:43

Tgt Ion: 128 Resp: 694780
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.8 16.2
 129 11.3 8.6 12.8

