

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\
 Data File : VU035314.D
 Acq On : 19 Oct 2019 13:27
 Operator : JC/SP
 Sample : K5344-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF6L3

Quant Time: Oct 21 06:41:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 21 05:38:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	697474	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	676762	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	336279	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	282886	47.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.30%
7) Chloroethane-d5	1.93	69	238418	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.70%
11) 1,1-Dichloroethene-d2	2.59	63	360029	36.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.72%
21) 2-Butanone-d5	4.69	46	544150	136.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	136.82%#
24) Chloroform-d	5.11	84	436914	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.12%
26) 1,2-Dichloroethane-d4	5.75	65	297567	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.62%
32) Benzene-d6	5.77	84	935879	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.92%
36) 1,2-Dichloropropane-d6	6.74	67	297335	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.34%
41) Toluene-d8	7.94	98	871703	47.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.56%
43) trans-1,3-Dichloropropene-	8.21	79	146201	45.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.50%
47) 2-Hexanone-d5	8.68	63	393018	141.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	141.83%#
57) 1,1,2,2-Tetrachloroethane-	10.79	84	460600	49.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.38%
64) 1,2-Dichlorobenzene-d4	12.22	152	351494	45.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.18%

Target Compounds

					Qvalue
13) Acetone	2.67	43	1511465	426.256	ug/L 99
16) Methylene chloride	3.09	84	116606	22.997	ug/L 100
20) cis-1,2-Dichloroethene	4.72	96	61847	11.895	ug/L 100
22) 2-Butanone	4.77	43	287055	66.907	ug/L 96
27) 1,2-Dichloroethane	5.84	62	11529	1.652	ug/L 97
29) Cyclohexane	5.42	56	50855	6.720	ug/L # 71
33) Benzene	5.82	78	331035	17.301	ug/L 100
34) Trichloroethene	6.58	95	27392	5.556	ug/L 99
35) Methylcyclohexane	6.80	83	149822	19.655	ug/L # 87
40) 4-Methyl-2-pentanone	7.84	43	7372761	1007.152	ug/L 99
42) Toluene	8.01	91	2839926	135.593	ug/L 100
46) Tetrachloroethene	8.59	164	8864	2.226	ug/L 99
51) Chlorobenzene	9.48	112	15498	1.135	ug/L # 88
52) Ethylbenzene	9.60	91	791923	33.923	ug/L 99
53) m,p-Xylene	9.72	106	1255880	145.942	ug/L 99
54) o-xylene	10.13	106	720072	84.362	ug/L 98
56) Isopropylbenzene	10.51	105	110733	5.011	ug/L # 94

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ALS Vial : 19 Sample Multiplier: 1

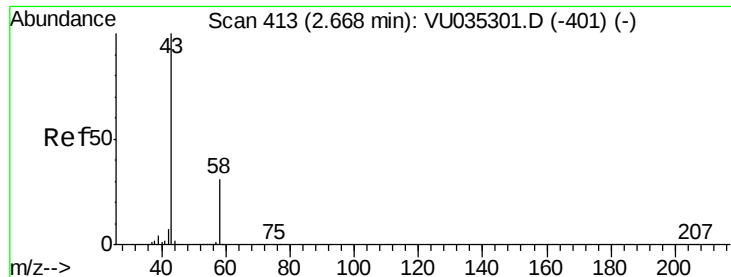
Instrument :
MSVOA_U
ClientSampleId :
BF6L3

Quant Time: Oct 21 06:41:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 05:38:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
65) 1,2-Dichlorobenzene	12.24	146	144629	13.260	ug/L	93
-----	-----	-----	-----	-----	-----	-----

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU101919\
Data File : VU035314.D
Acq On    : 19 Oct 2019   13:27
Operator  : JC/SP
Sample    : K5344-06
Misc      : 5.0mL/MSVOA_U/WATER
ALS Vial  : 19      Sample Multiplier: 1
```



#13

Acetone

Concen: 426.256 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU035314.D

Acq: 19 Oct 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

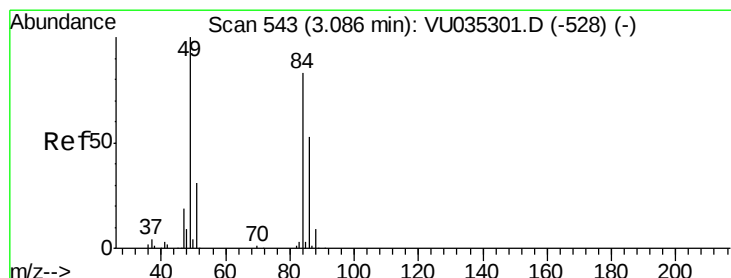
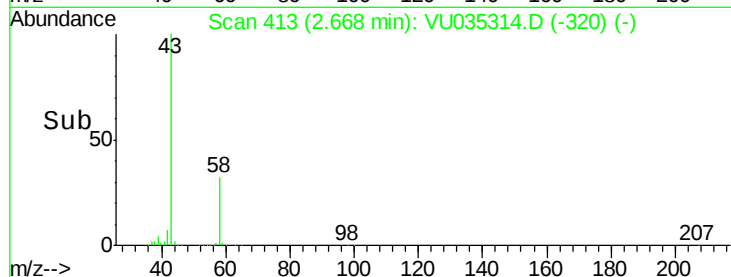
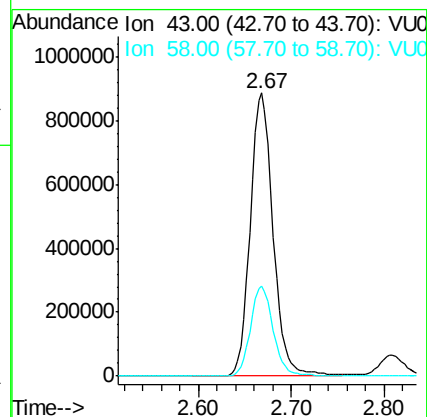
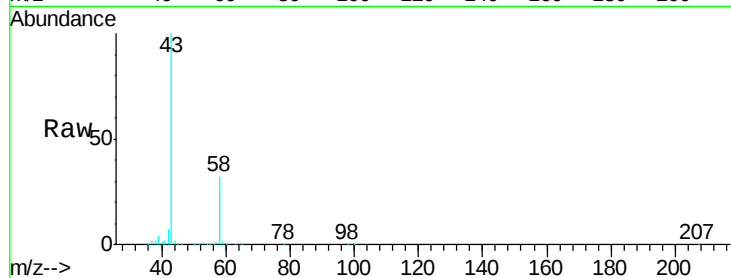
BF6L3

Tgt Ion: 43 Resp: 1511465

Ion Ratio Lower Upper

43 100

58 31.9 0.0 62.8



#16

Methylene chloride

Concen: 22.997 ug/L

RT: 3.09 min Scan# 543

Delta R.T. -0.00 min

Lab File: VU035314.D

Acq: 19 Oct 2019 13:27

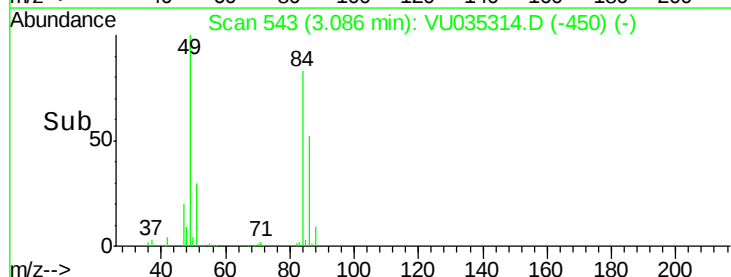
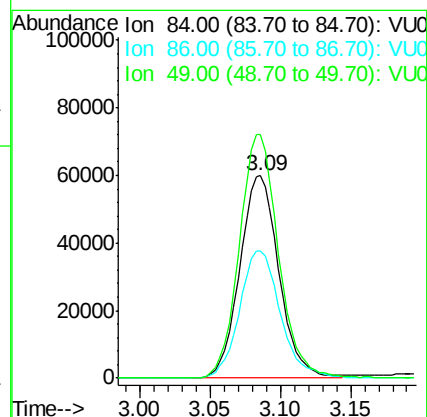
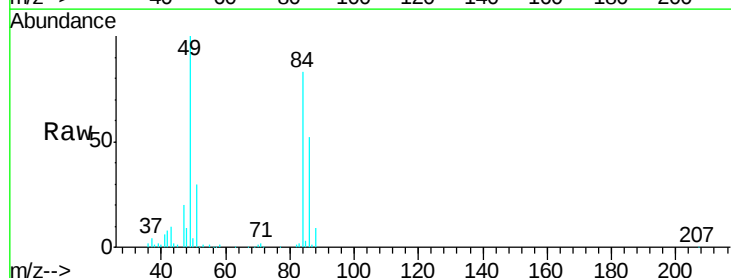
Tgt Ion: 84 Resp: 116606

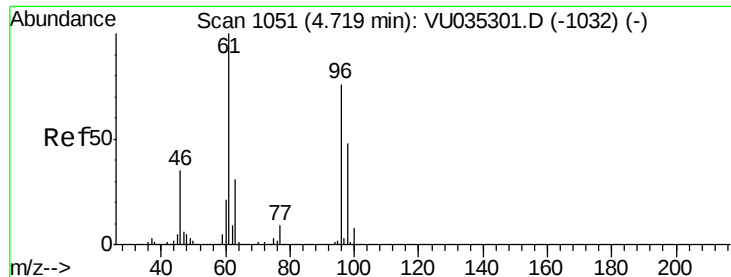
Ion Ratio Lower Upper

84 100

86 63.0 44.4 82.5

49 120.1 84.0 156.0

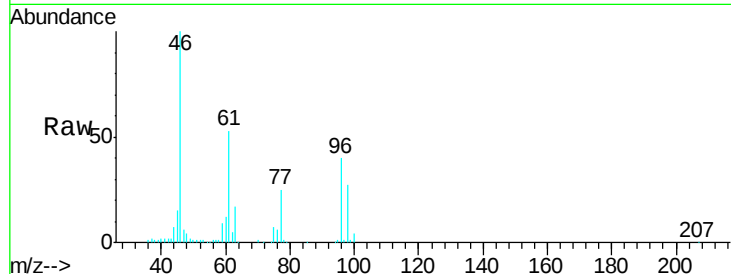




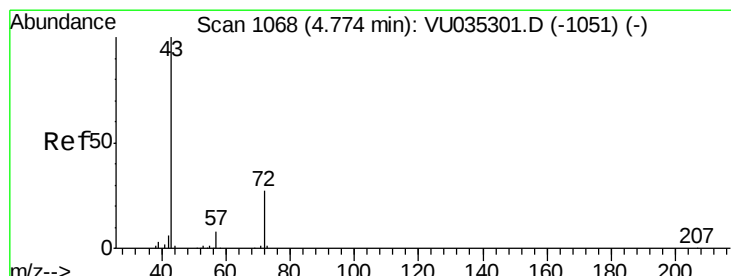
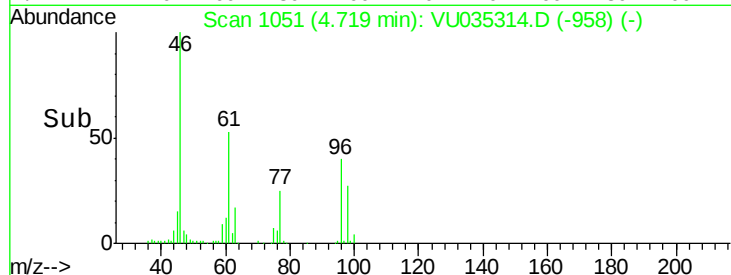
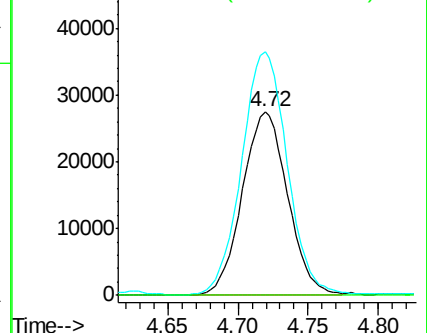
#20
 cis-1,2-Dichloroethene
 Concen: 11.895 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035314.D
 Acq: 19 Oct 2019 13:27

Instrument :
 MSVOA_U
 ClientSampleID :
 BF6L3

Tgt Ion: 96 Resp: 61847
 Ion Ratio Lower Upper
 96 100
 61 132.3 92.7 172.3
 68 0.0 0.0 0.0

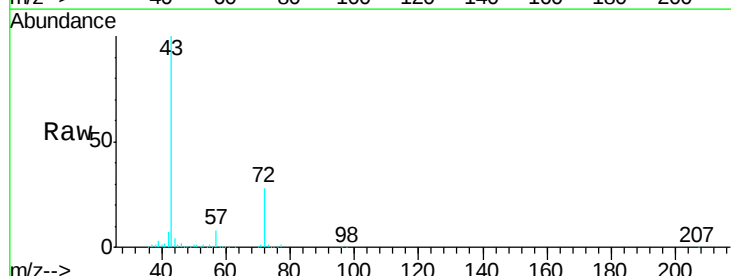


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

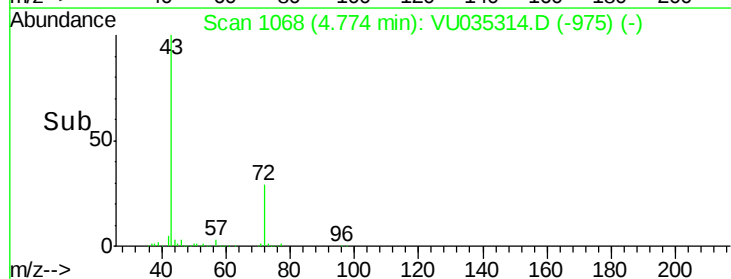
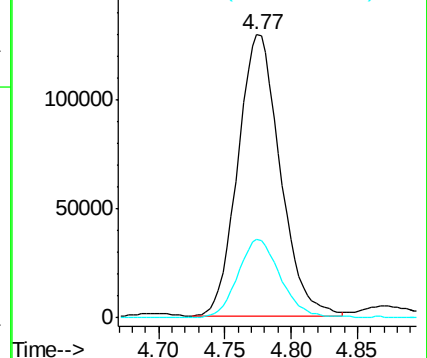


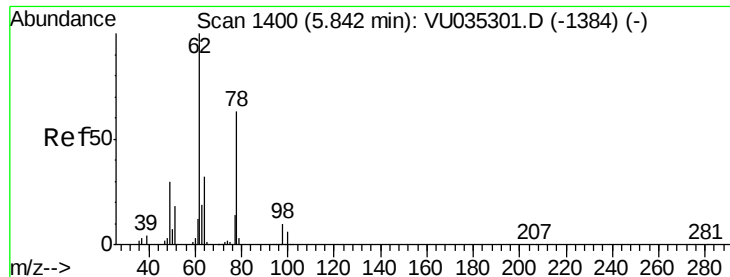
#22
 2-Butanone
 Concen: 66.907 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU035314.D
 Acq: 19 Oct 2019 13:27

Tgt Ion: 43 Resp: 287055
 Ion Ratio Lower Upper
 43 100
 72 27.7 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0





#27

1,2-Dichloroethane

Concen: 1.652 ug/L

RT: 5.84 min Scan# 1400

Delta R.T. -0.00 min

Lab File: VU035314.D

Acq: 19 Oct 2019 13:27

Instrument :

MSVOA_U

ClientSampled :

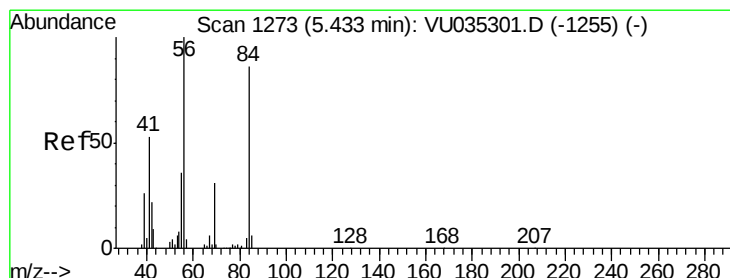
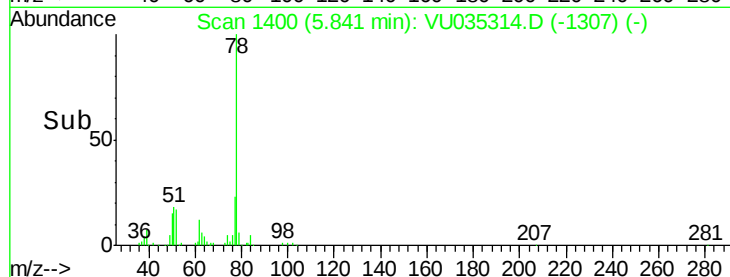
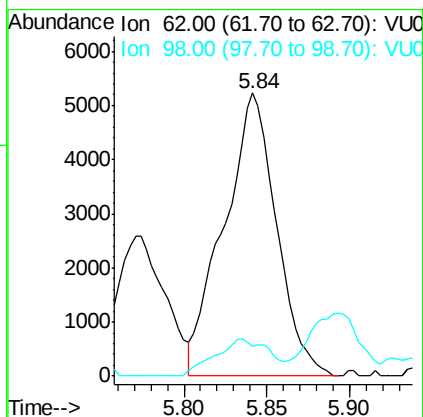
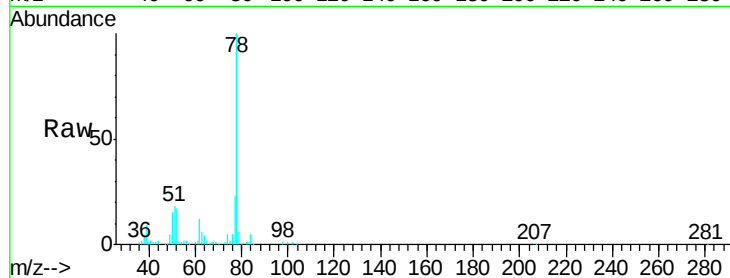
BF6L3

Tgt Ion: 62 Resp: 11529

Ion Ratio Lower Upper

62 100

98 10.7 7.8 11.6



#29

Cyclohexane

Concen: 6.720 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VU035314.D

Acq: 19 Oct 2019 13:27

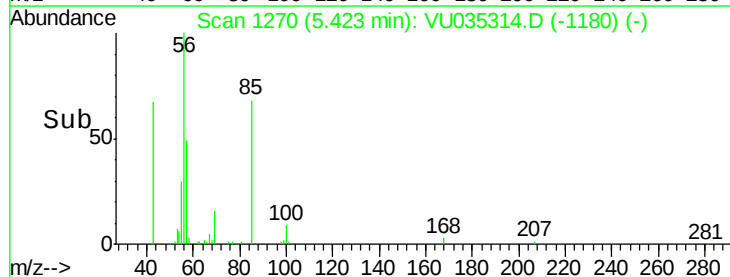
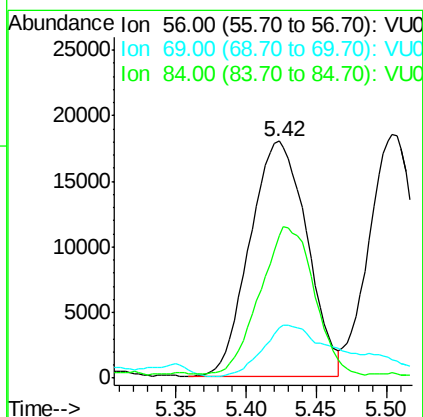
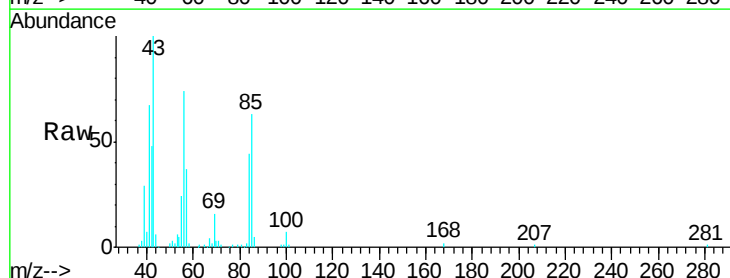
Tgt Ion: 56 Resp: 50855

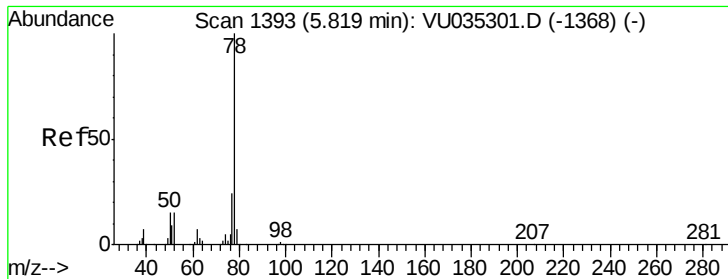
Ion Ratio Lower Upper

56 100

69 18.6 24.2 36.4#

84 59.2 71.1 106.7#





#33

Benzene

Concen: 17.301 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035314.D

Acq: 19 Oct 2019 13:27

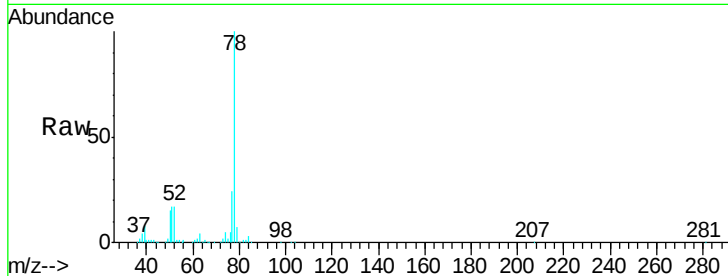
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MSVOA_U

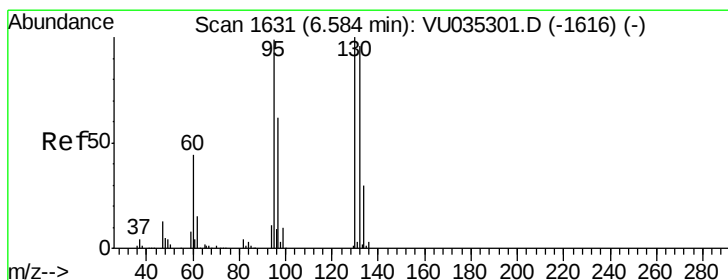
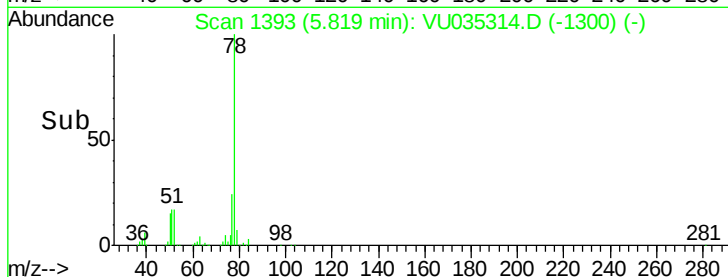
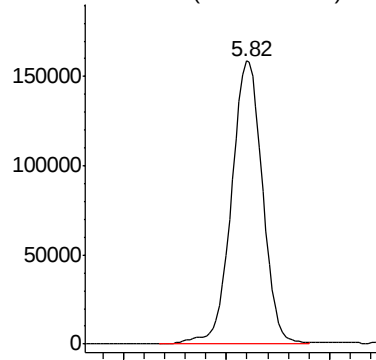
ClientSampleId :

BF6L3

Tgt Ion: 78 Resp: 331035



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 5.556 ug/L

RT: 6.58 min Scan# 1630

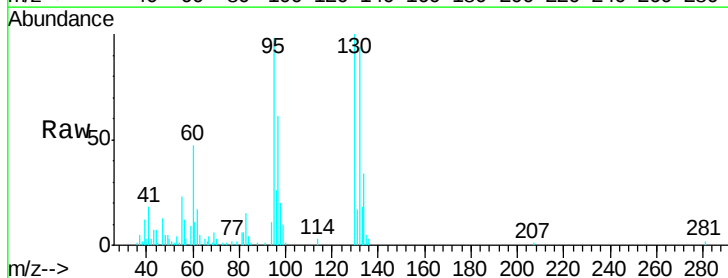
Delta R.T. -0.00 min

Lab File: VU035314.D

Acq: 19 Oct 2019 13:27

Tgt Ion: 95 Resp: 27392

Ion	Ratio	Lower	Upper
95	100		
97	62.4	44.2	82.2
132	95.5	67.8	125.8
130	101.8	70.9	131.7

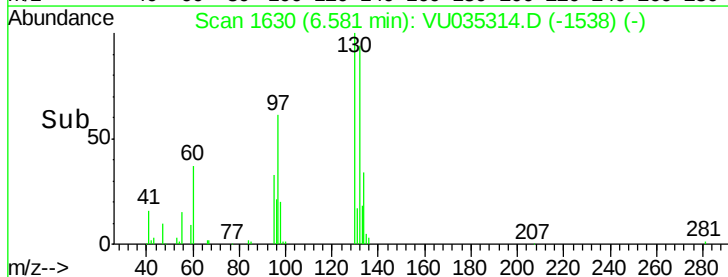
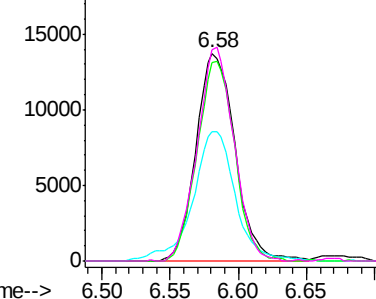


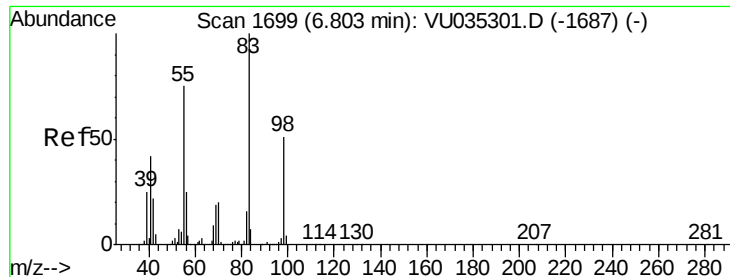
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

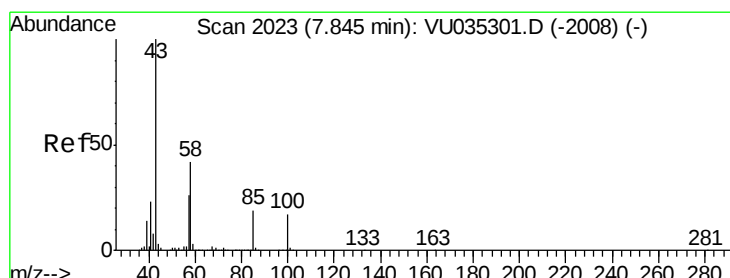
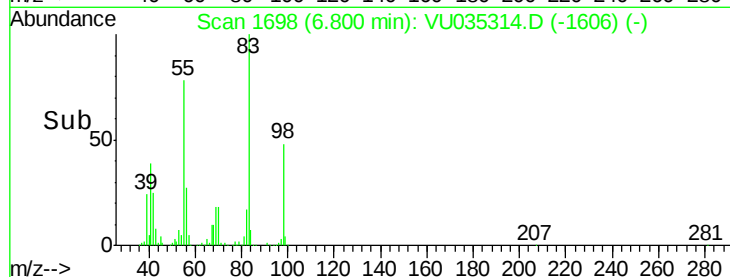
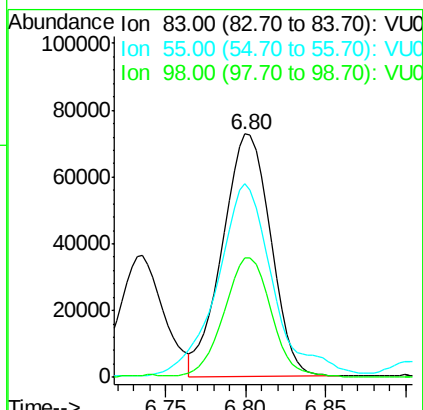
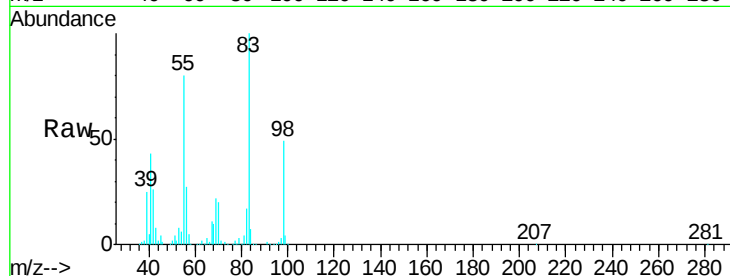




#35
Methylcyclohexane
Concen: 19.655 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

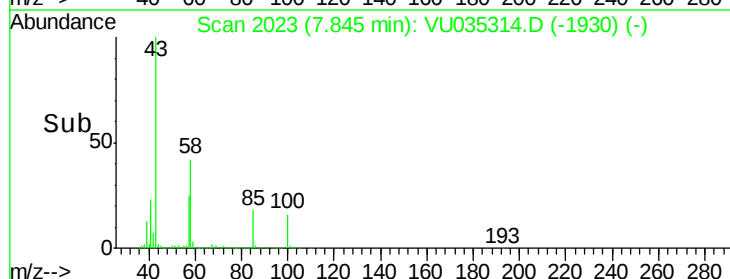
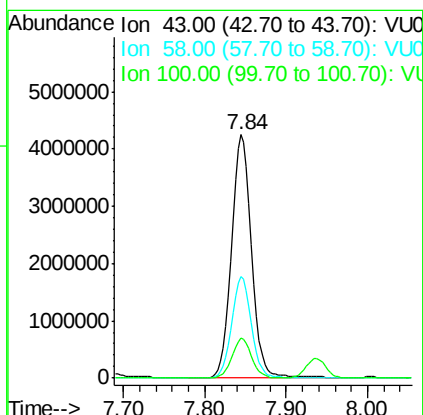
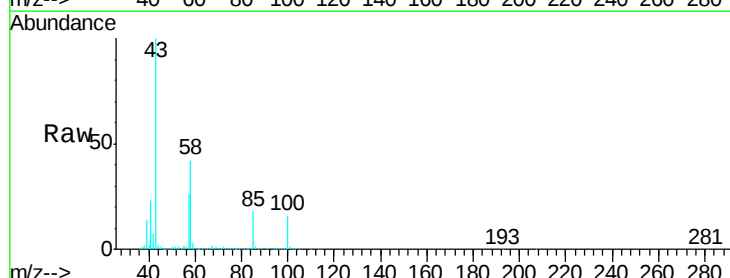
Instrument :
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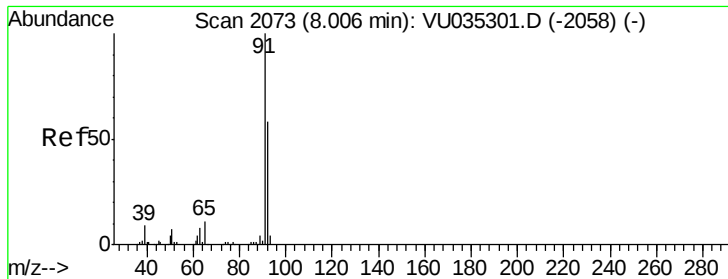
Tgt Ion: 83 Resp: 149822
Ion Ratio Lower Upper
83 100
55 91.5 59.5 89.3#
98 48.3 39.9 59.9



#40
4-Methyl-2-pentanone
Concen: 1007.152 ug/L
RT: 7.84 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VU035314.D
Acq: 19 Oct 2019 13:27

Tgt Ion: 43 Resp: 7372761
Ion Ratio Lower Upper
43 100
58 41.1 33.1 49.7
100 16.0 13.2 19.8





#42

Toluene

Concen: 135.593 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035314.D

Acq: 19 Oct 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

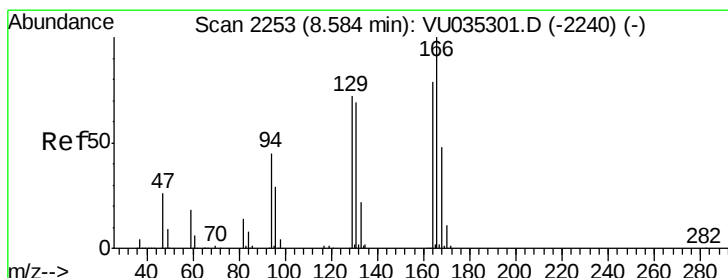
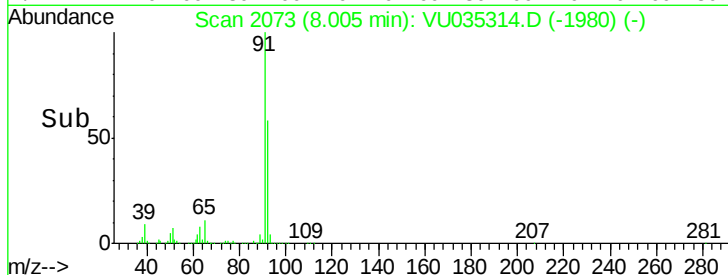
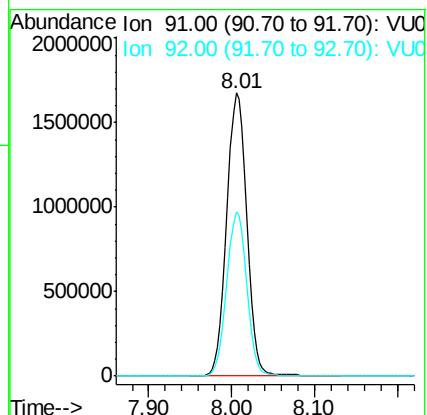
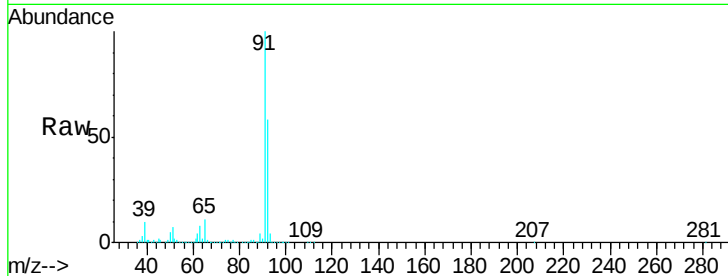
BF6L3

Tgt Ion: 91 Resp: 2839926

Ion Ratio Lower Upper

91 100

92 57.9 40.3 74.9



#46

Tetrachloroethene

Concen: 2.226 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035314.D

Acq: 19 Oct 2019 13:27

Tgt Ion: 164 Resp: 8864

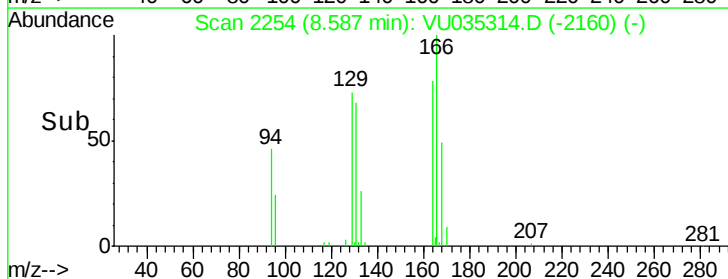
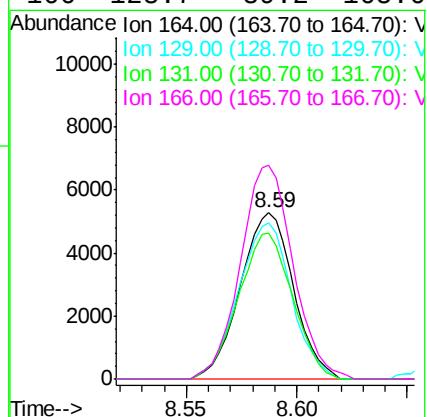
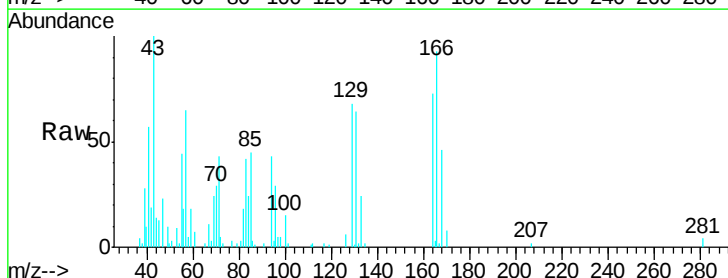
Ion Ratio Lower Upper

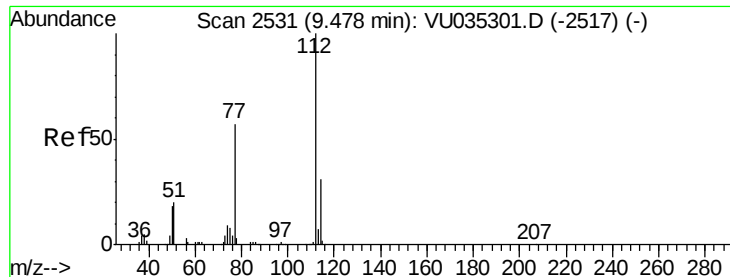
164 100

129 94.0 64.0 119.0

131 87.8 61.8 114.8

166 128.7 89.2 165.6





#51

Chlorobenzene

Concen: 1.135 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035314.D

Acq: 19 Oct 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

BF6L3

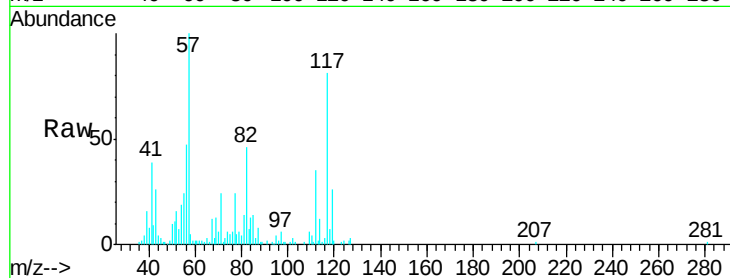
Tgt Ion:112 Resp: 15498

Ion Ratio Lower Upper

112 100

114 34.8 21.9 40.7

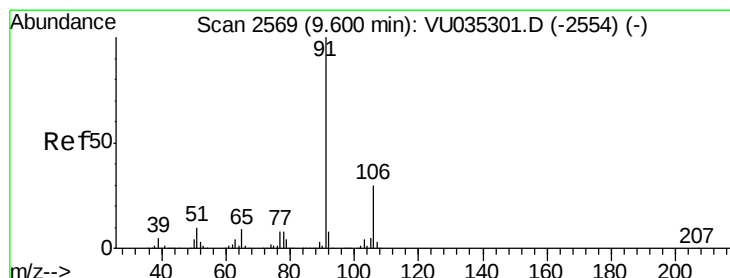
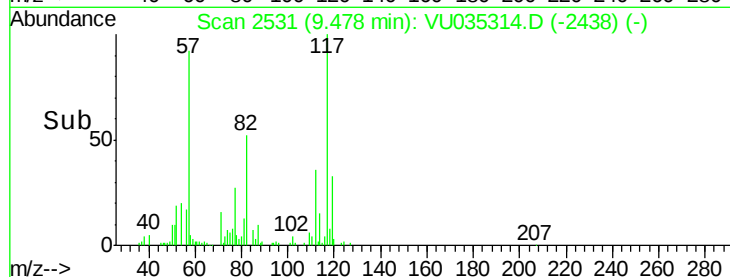
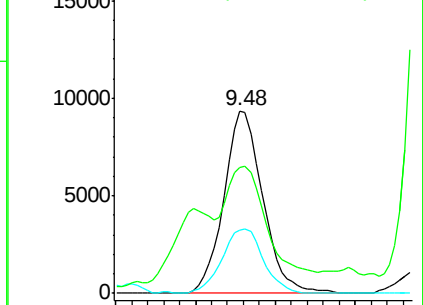
77 69.3 46.2 69.2#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 33.923 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035314.D

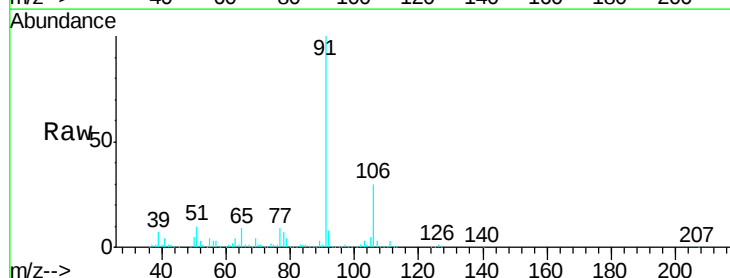
Acq: 19 Oct 2019 13:27

Tgt Ion: 91 Resp: 791923

Ion Ratio Lower Upper

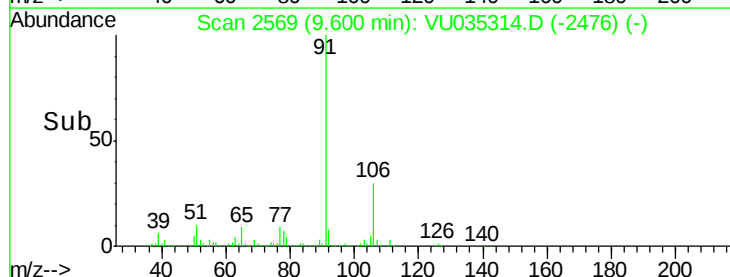
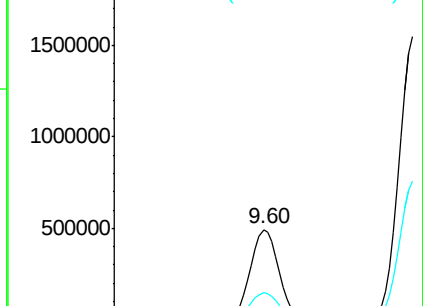
91 100

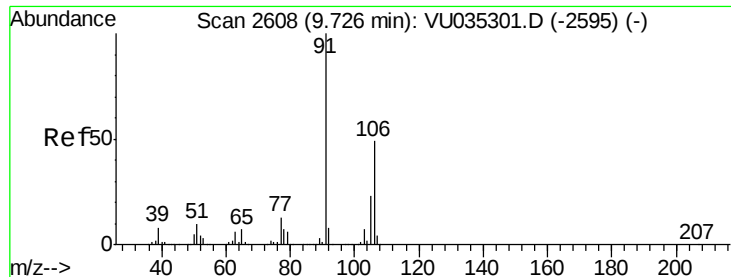
106 30.2 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 145.942 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035314.D

Acq: 19 Oct 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

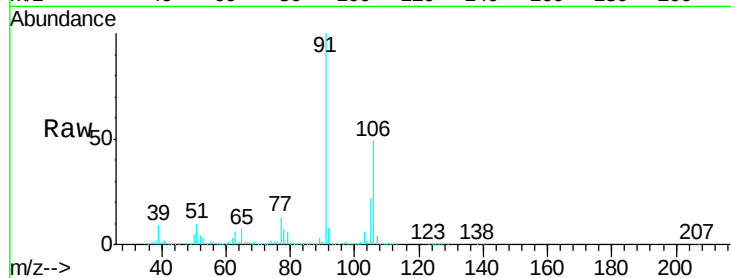
BF6L3

Tgt Ion:106 Resp: 1255880

Ion Ratio Lower Upper

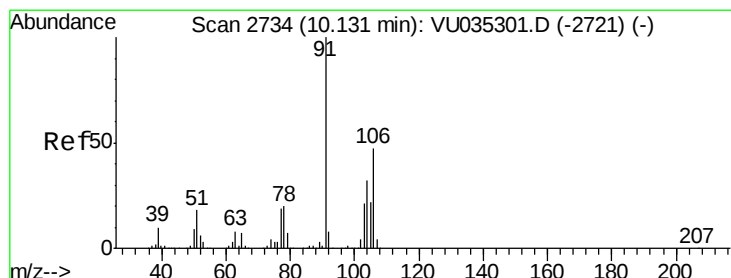
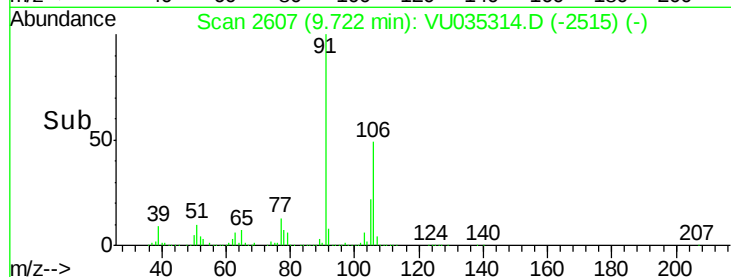
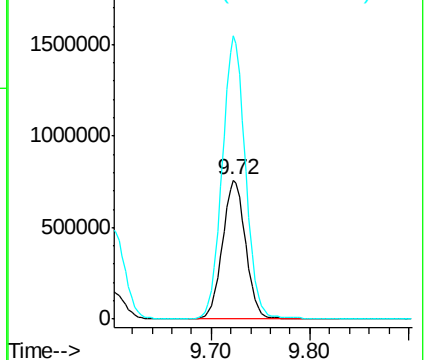
106 100

91 204.0 141.5 262.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 84.362 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035314.D

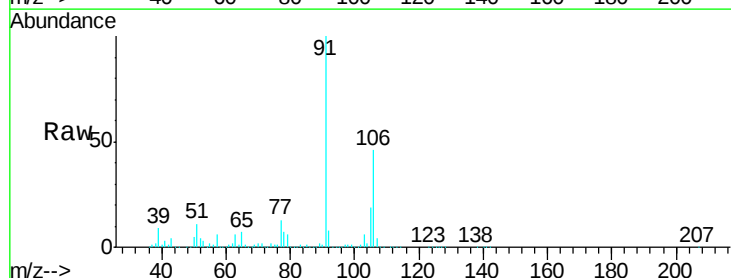
Acq: 19 Oct 2019 13:27

Tgt Ion:106 Resp: 720072

Ion Ratio Lower Upper

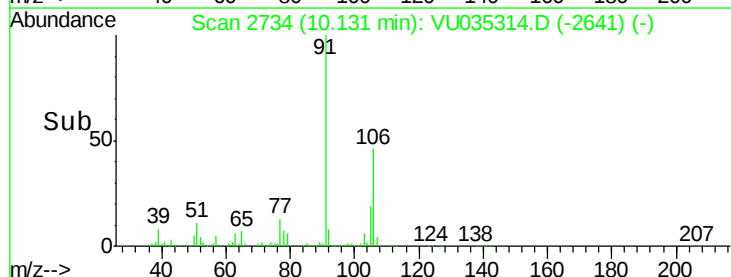
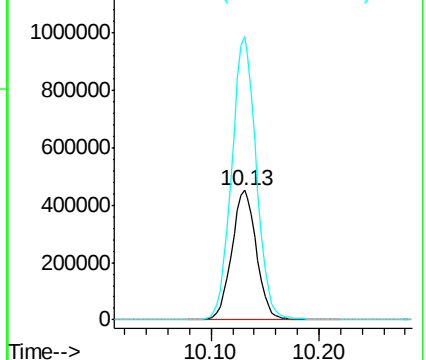
106 100

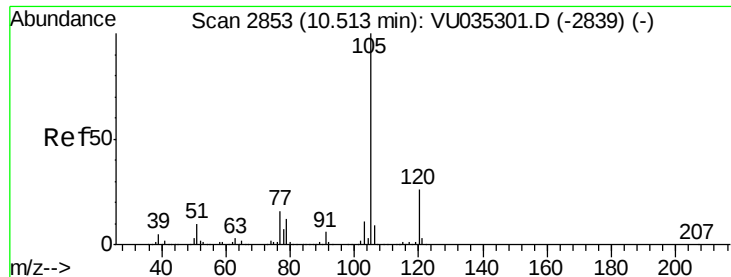
91 218.8 150.6 279.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 5.011 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035314.D

Acq: 19 Oct 2019 13:27

Instrument :

MSVOA_U

ClientSampleId :

BF6L3

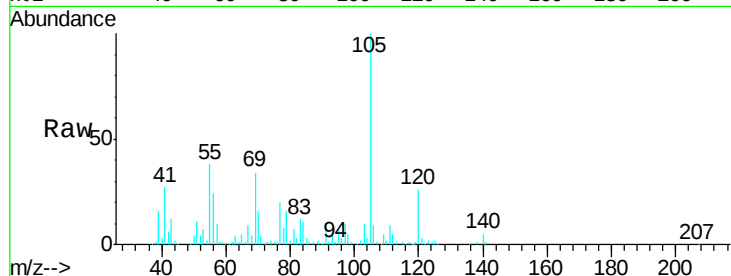
Tgt Ion:105 Resp: 110733

Ion Ratio Lower Upper

105 100

120 26.6 21.1 31.7

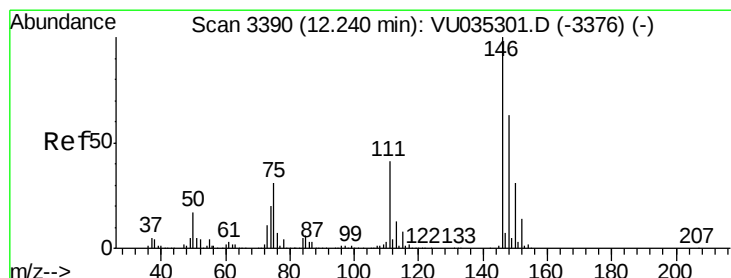
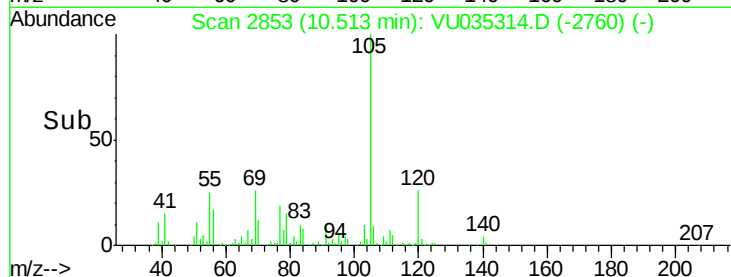
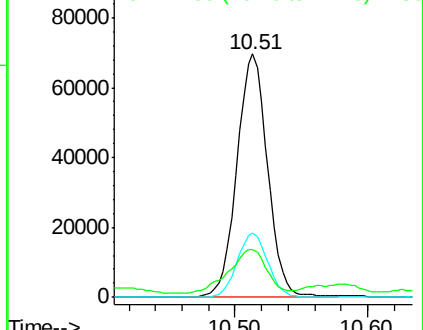
77 21.9 12.7 19.1#



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



#65

1,2-Dichlorobenzene

Concen: 13.260 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VU035314.D

Acq: 19 Oct 2019 13:27

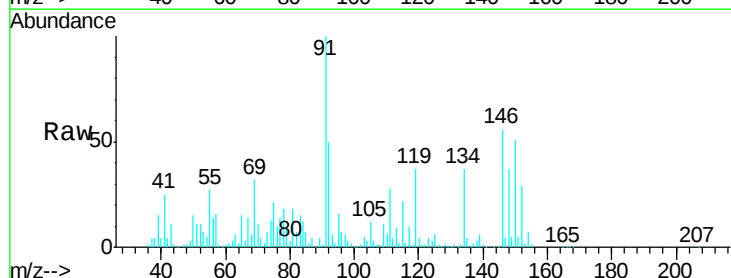
Tgt Ion:146 Resp: 144629

Ion Ratio Lower Upper

146 100

111 49.2 32.8 49.2

148 65.5 50.2 75.4



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

