

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
 Data File : VU036489.D
 Acq On : 16 Jan 2020 00:14
 Operator : JC/MD
 Sample : L1109-10DL 10X
 Misc : 5.10G/5.0mL/100uL/5.0mL/MSVOA_U/METHANOL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 06:55:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 06:52:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	535216	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	505065	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	245404	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	149645	43.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.24%
7) Chloroethane-d5	1.92	69	141729	47.18	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.36%
11) 1,1-Dichloroethene-d2	2.59	63	224526	33.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.40%
21) 2-Butanone-d5	4.68	46	298907	100.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.19%
24) Chloroform-d	5.11	84	325613	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.26%
26) 1,2-Dichloroethane-d4	5.75	65	227199	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
32) Benzene-d6	5.77	84	652827	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.84%
36) 1,2-Dichloropropane-d6	6.73	67	214607	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.92%
41) Toluene-d8	7.93	98	618612	49.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.04%
43) trans-1,3-Dichloropropene-	8.21	79	106633	46.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.16%
47) 2-Hexanone-d5	8.67	63	242066	109.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.96%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	330119	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
64) 1,2-Dichlorobenzene-d4	12.21	152	245376	50.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.52%

Target Compounds

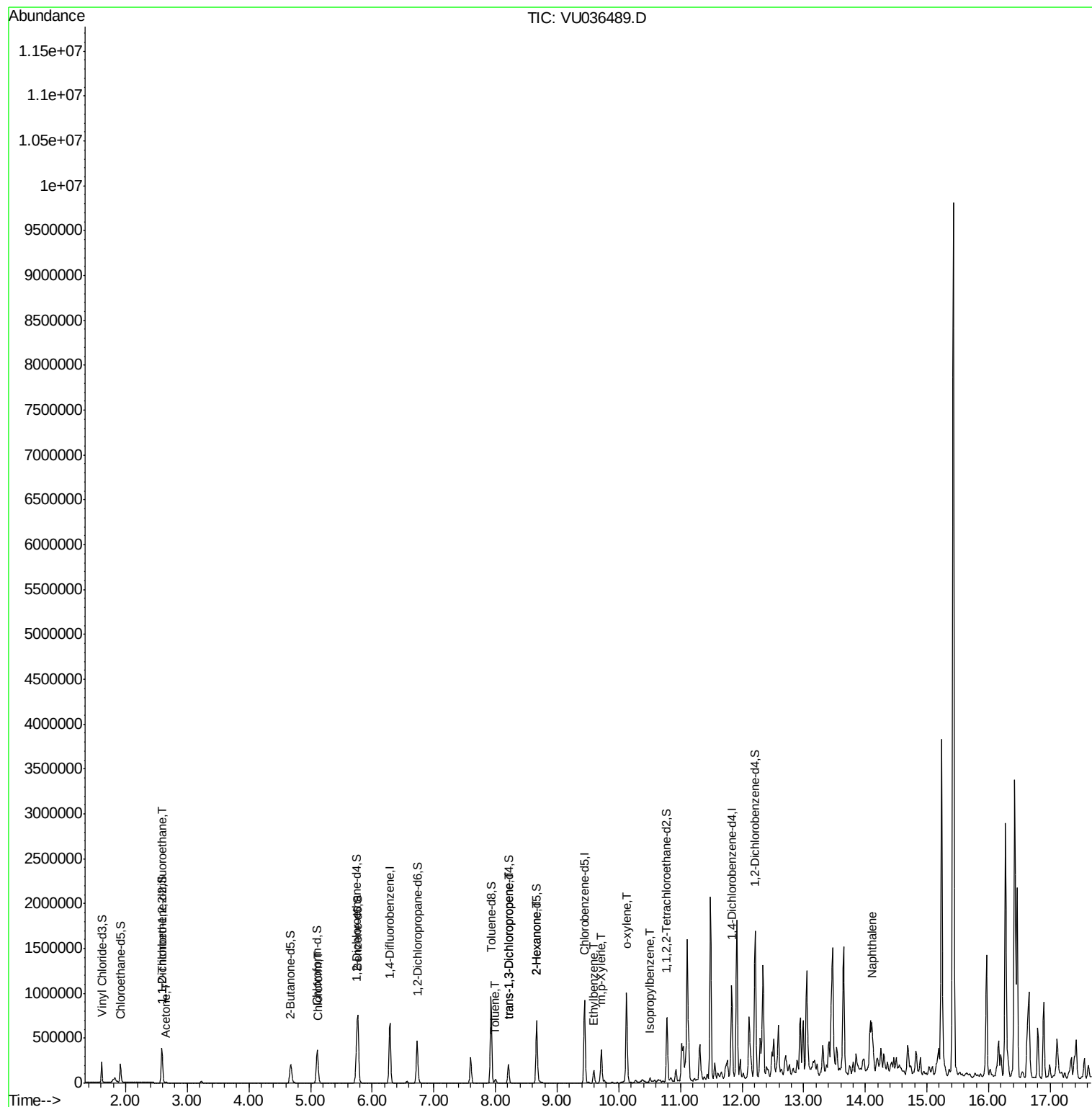
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2283	0.715	ug/L #	22
13) Acetone	2.66	43	5971	1.849	ug/L	98
25) Chloroform	5.13	83	11031	1.580	ug/L	80
42) Toluene	8.00	91	30337	1.925	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	5807	1.007	ug/L	86
48) 2-Hexanone	8.67	43	28005	5.723	ug/L #	70
52) Ethylbenzene	9.60	91	100485	5.707	ug/L	99
53) m,p-Xylene	9.72	106	103008	15.646	ug/L	99
54) o-xylene	10.12	106	252418	38.405	ug/L	97
56) Isopropylbenzene	10.51	105	27665	1.640	ug/L	97
69) Naphthalene	14.10	128	354295	30.448	ug/L	97

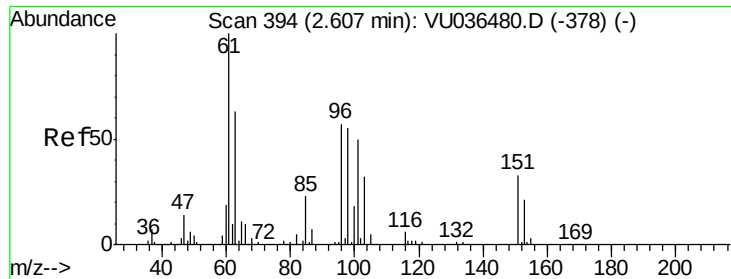
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 16 06:52:15 2020
Response via : Initial Calibration





#10

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

Concen: 0.715 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU036489.D

Acq: 16 Jan 2020 00:14

Instrument :

MSVOA_U

ClientSampleId :

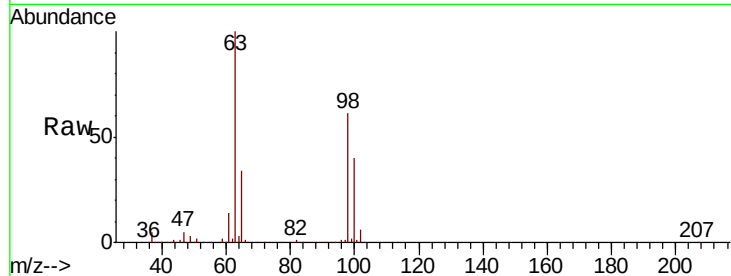
Tot Ion:101 Resp: 2283

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

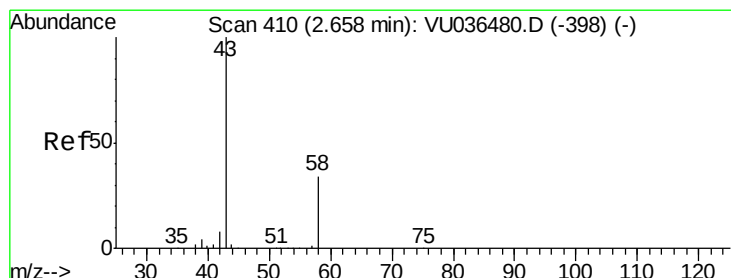
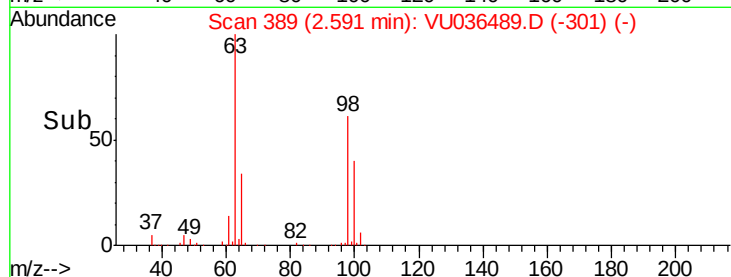
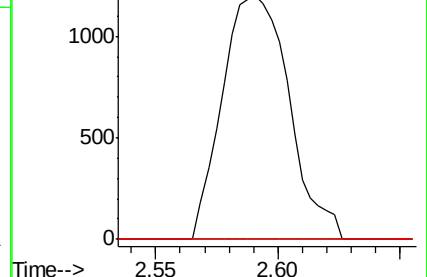
151 0.0 53.3 79.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.849 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036489.D

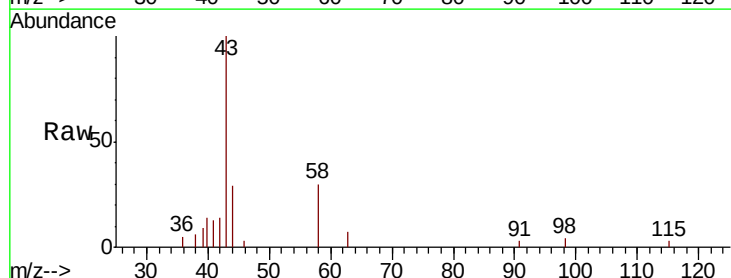
Acq: 16 Jan 2020 00:14

Tgt Ion: 43 Resp: 5971

Ion Ratio Lower Upper

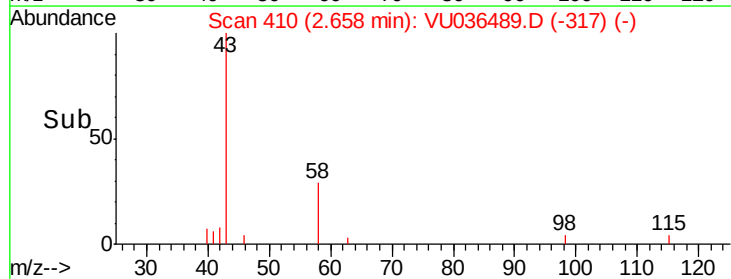
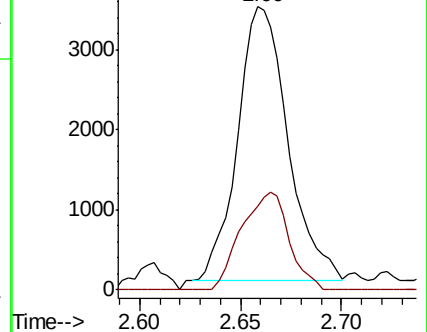
43 100

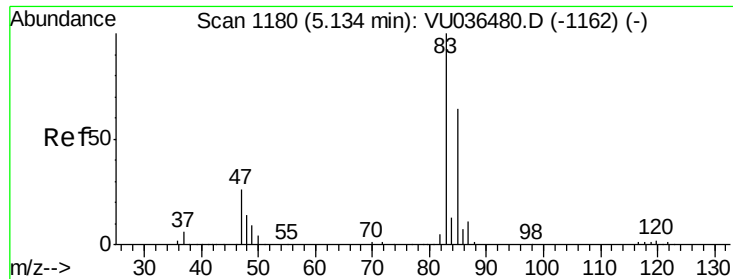
58 33.8 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

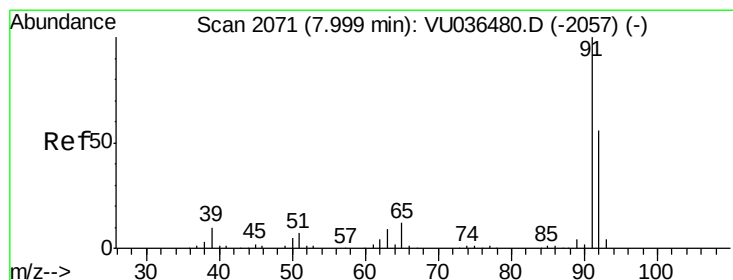
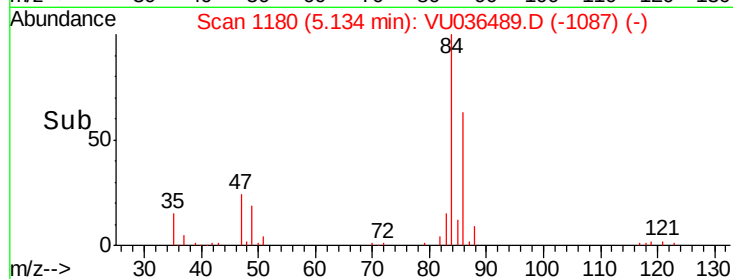
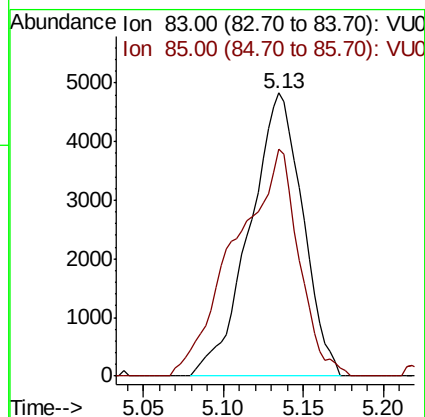
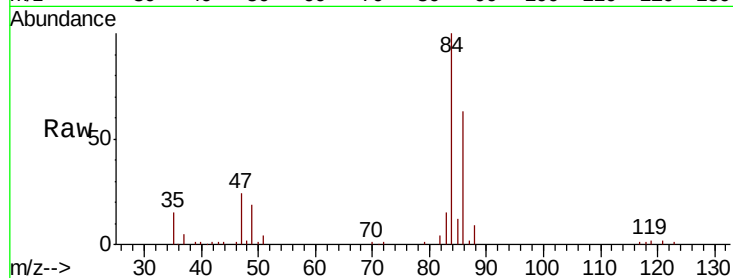




#25
Chloroform
Concen: 1.580 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036489.D
Acq: 16 Jan 2020 00:14

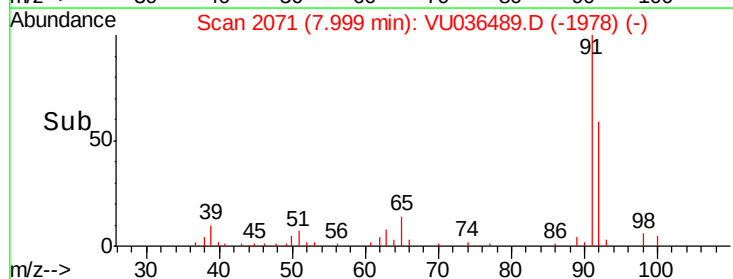
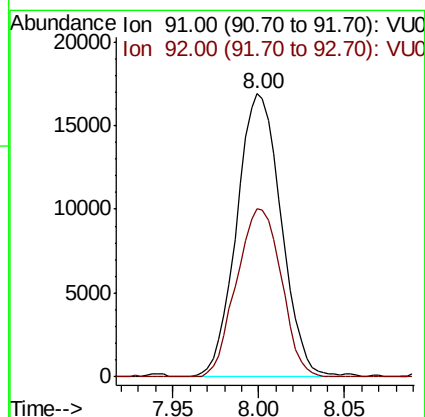
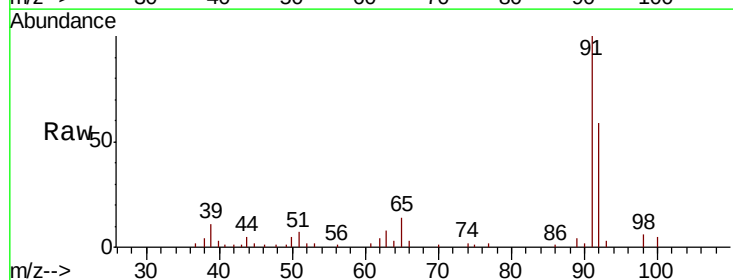
Instrument :
MSVOA_U
ClientSampled :

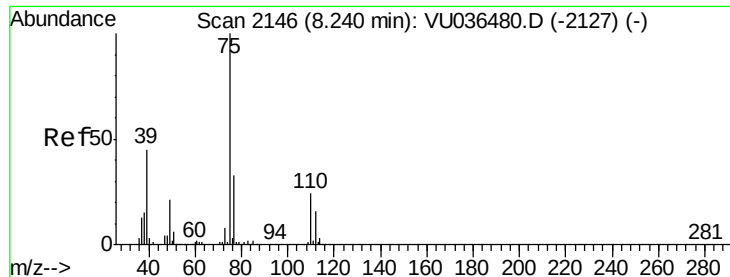
Tot Ion: 83 Resp: 11031
Ion Ratio Lower Upper
83 100
85 80.2 45.1 83.9



#42
Toluene
Concen: 1.925 ug/L
RT: 8.00 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VU036489.D
Acq: 16 Jan 2020 00:14

Tgt Ion: 91 Resp: 30337
Ion Ratio Lower Upper
91 100
92 59.2 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 1.007 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.03 min

Lab File: VU036489.D

Acq: 16 Jan 2020 00:14

Instrument :

MSVOA_U

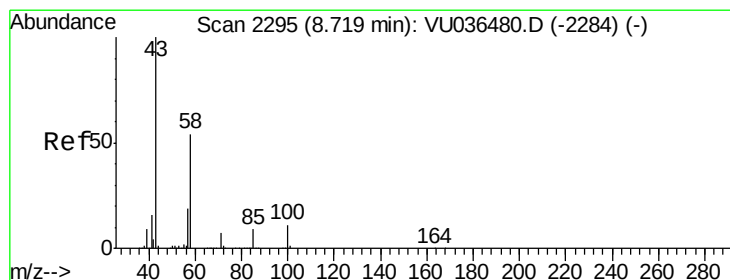
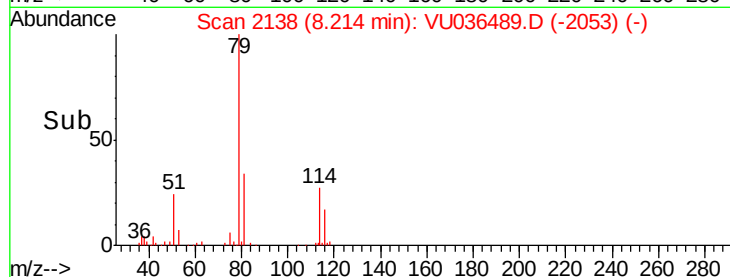
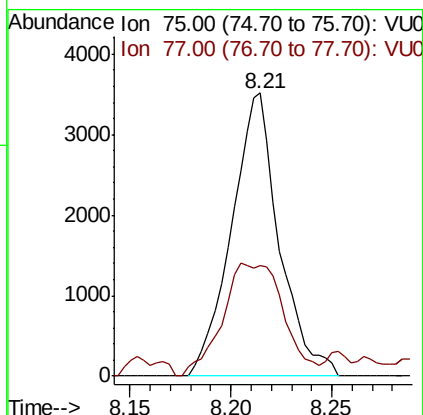
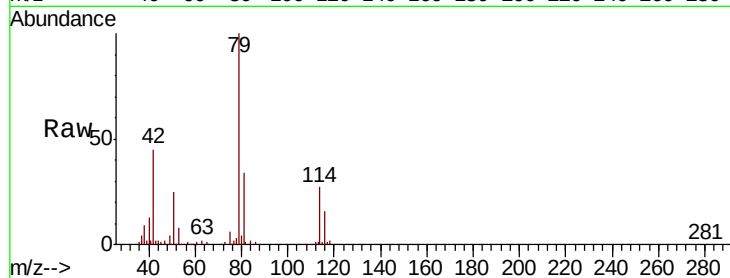
ClientSampleId :

Tot Ion: 75 Resp: 5807

Ion Ratio Lower Upper

75 100

77 38.9 21.8 40.4



#48

2-Hexanone

Concen: 5.723 ug/L

RT: 8.67 min Scan# 2279

Delta R.T. -0.05 min

Lab File: VU036489.D

Acq: 16 Jan 2020 00:14

Tgt Ion: 43 Resp: 28005

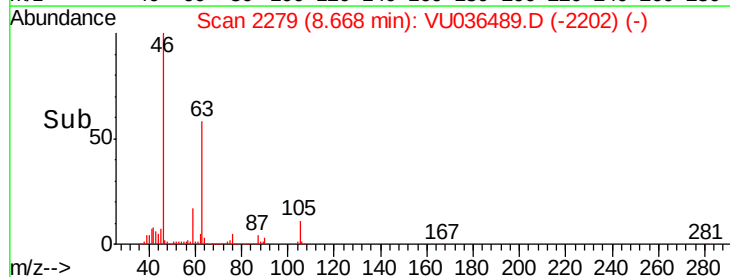
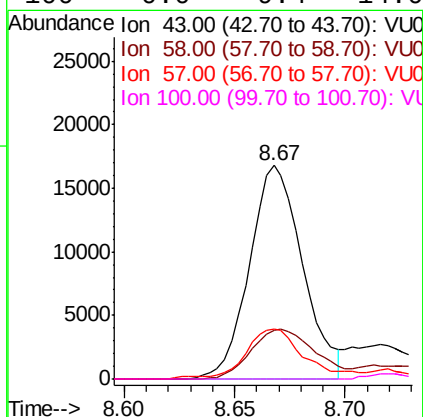
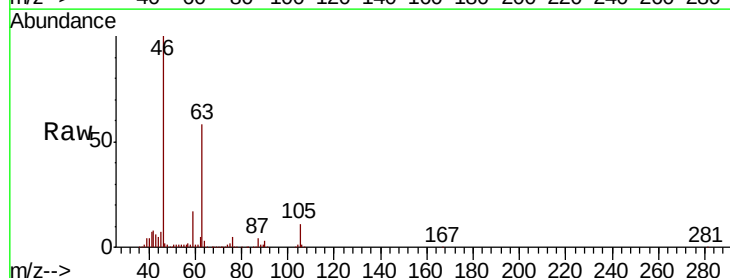
Ion Ratio Lower Upper

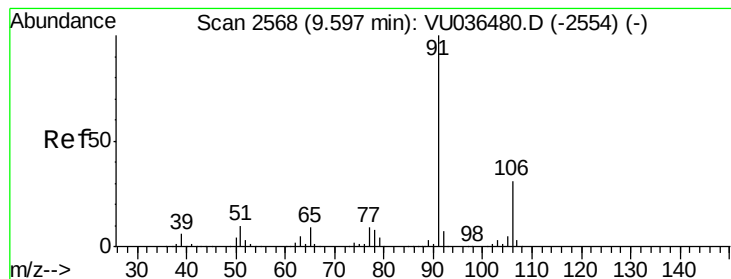
43 100

58 28.5 43.7 65.5#

57 24.4 14.7 22.1#

100 0.0 9.4 14.0#





#52

Ethylbenzene

Concen: 5.707 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036489.D

Acq: 16 Jan 2020 00:14

Instrument :

MSVOA_U

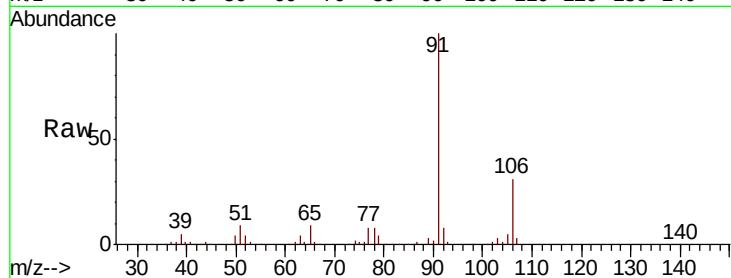
ClientSampleId :

Tot Ion: 91 Resp: 100485

Ion Ratio Lower Upper

91 100

106 31.0 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VU036480.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU036480.D (-2554) (-)

60000

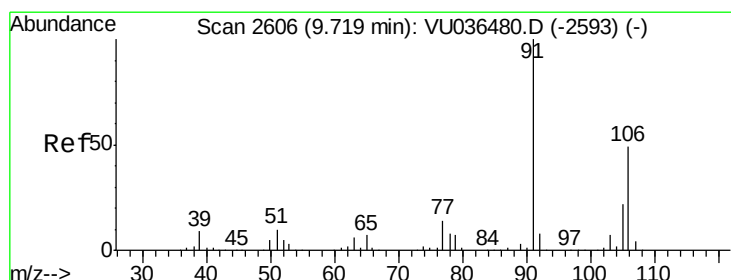
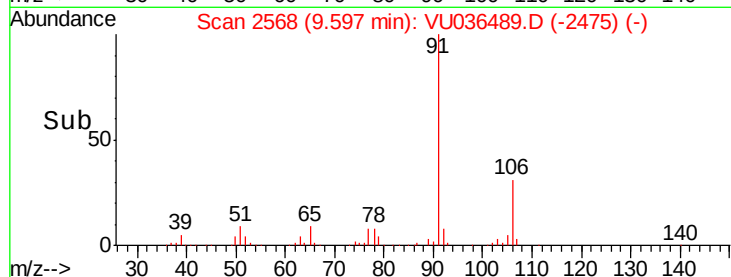
40000

20000

0

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 15.646 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036489.D

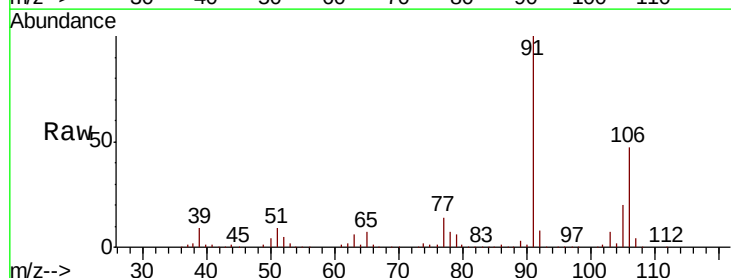
Acq: 16 Jan 2020 00:14

Tgt Ion: 106 Resp: 103008

Ion Ratio Lower Upper

106 100

91 210.7 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036480.D (-2593) (-)

Ion 91.00 (90.70 to 91.70): VU036480.D (-2593) (-)

150000

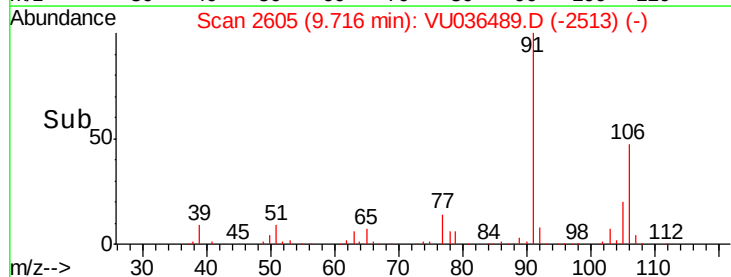
100000

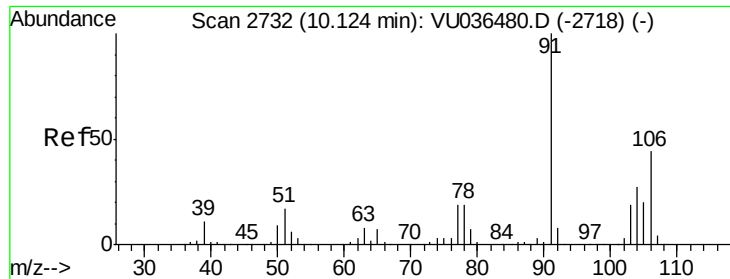
50000

0

9.65 9.70 9.75

Time-->

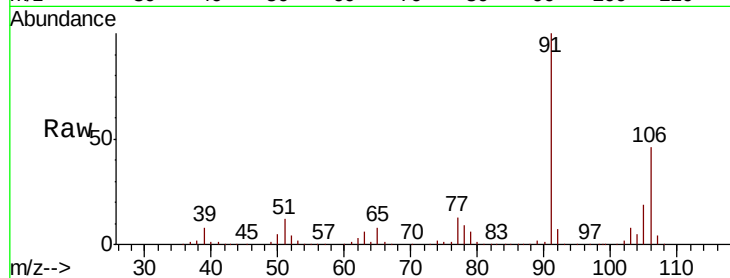




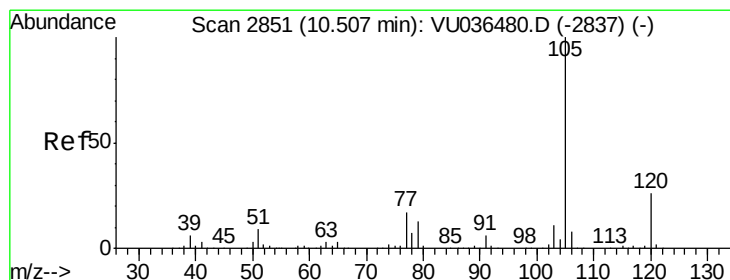
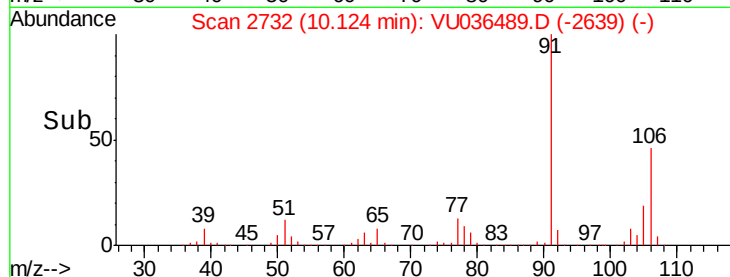
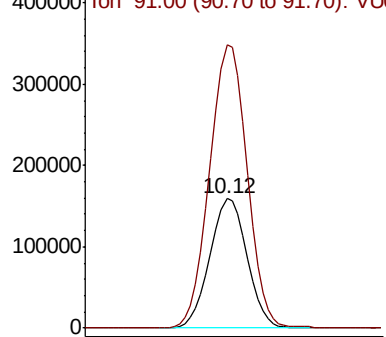
#54
o-xylene
Concen: 38.405 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036489.D
Acq: 16 Jan 2020 00:14

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 252418
Ion Ratio Lower Upper
106 100
91 218.8 156.4 290.4

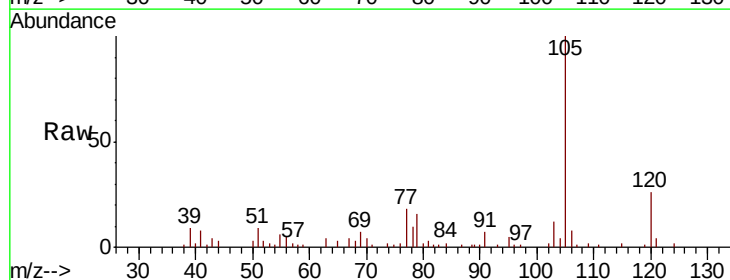


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

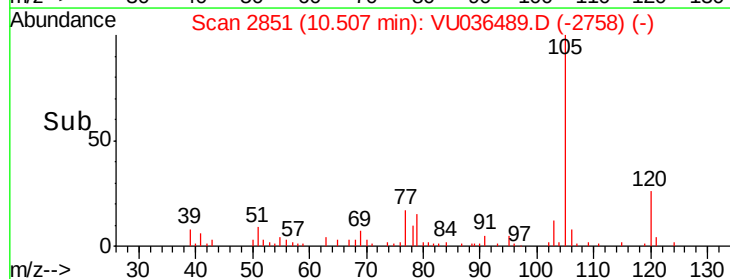
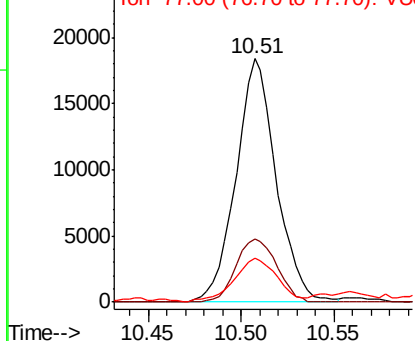


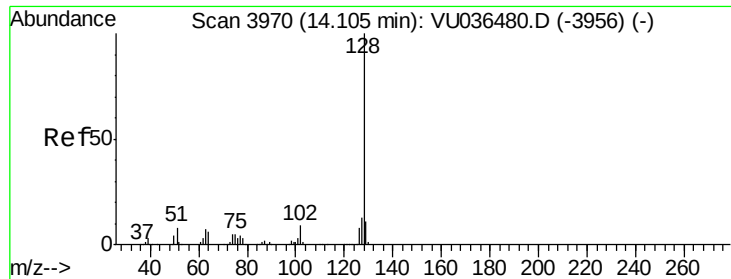
#56
Isopropylbenzene
Concen: 1.640 ug/L
RT: 10.51 min Scan# 2851
Delta R.T. -0.00 min
Lab File: VU036489.D
Acq: 16 Jan 2020 00:14

Tgt Ion:105 Resp: 27665
Ion Ratio Lower Upper
105 100
120 26.2 21.5 32.3
77 19.3 13.4 20.2



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





#69

Naphthalene

Concen: 30.448 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

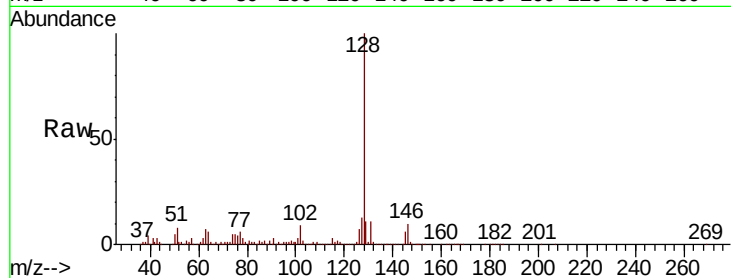
Lab File: VU036489.D

Acq: 16 Jan 2020 00:14

Instrument :

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ClientSampleId :



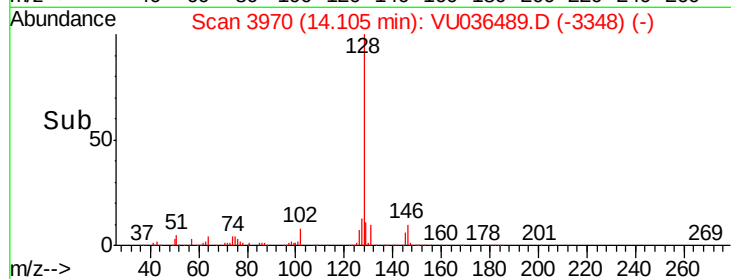
Tot Ion:128 Resp: 354295

Ion Ratio Lower Upper

128 100

127 13.7 10.0 15.0

129 11.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

