

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031104.D
 Acq On : 12 Apr 2019 05:12
 Operator : JC/SP
 Sample : K2353-03MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 96 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETJ60MS

Quant Time: Apr 12 07:31:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 07:24:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	496194	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	493283	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	209331	50.00	ug/L	0.00

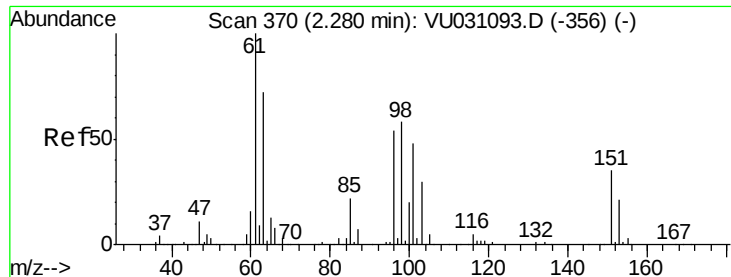
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	164402	37.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.24%
7) Chloroethane-d5	1.67	69	142088	42.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.54%
11) 1,1-Dichloroethene-d2	2.27	63	314576	39.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.54%
21) 2-Butanone-d5	4.17	46	341937	97.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.40%
24) Chloroform-d	4.64	84	309592	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
26) 1,2-Dichloroethane-d4	5.31	65	218169	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
32) Benzene-d6	5.33	84	600857	41.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.46%
36) 1,2-Dichloropropane-d6	6.32	67	215167	43.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.20%
41) Toluene-d8	7.56	98	504923	39.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.12%#
43) trans-1,3-Dichloropropene-	7.85	79	88852	39.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.96%
47) 2-Hexanone-d5	8.31	63	200404	88.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	310469	46.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.28%
64) 1,2-Dichlorobenzene-d4	11.85	152	192794	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2212	0.623	ug/L #	26
12) 1,1-Dichloroethene	2.28	96	147637	43.043	ug/L	94
13) Acetone	2.32	43	11999	3.340	ug/L	93
15) Methyl Acetate	2.62	43	4775	0.857	ug/L	96
25) Chloroform	4.67	83	7724	1.023	ug/L	89
27) 1,2-Dichloroethane	5.39	62	5784	1.003	ug/L #	75
33) Benzene	5.38	78	709622	43.960	ug/L	100
34) Trichloroethene	6.18	95	169749	42.875	ug/L	98
42) Toluene	7.63	91	720252	43.711	ug/L	100
48) 2-Hexanone	8.36	43	13597	2.371	ug/L #	96
51) Chlorobenzene	9.12	112	466122	46.123	ug/L	99

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



#10

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

Concen: 0.623 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031104.D

Acq: 12 Apr 2019 05:12

Instrument :

MSVOA_U

ClientSampleId :

ETJ60MS

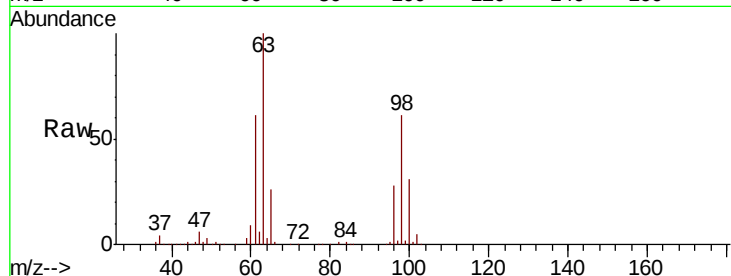
Tot Ion:101 Resp: 2212

Ion Ratio Lower Upper

101 100

85 10.2 36.8 55.2#

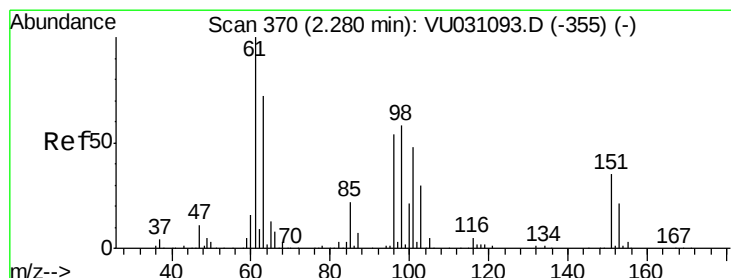
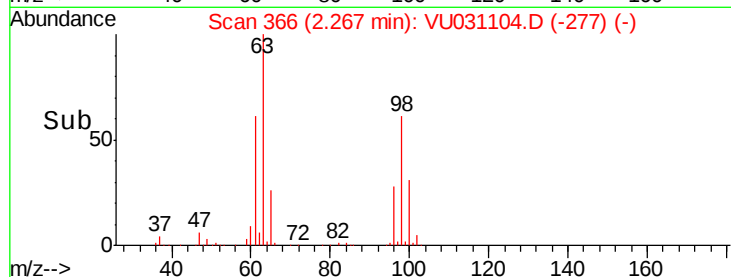
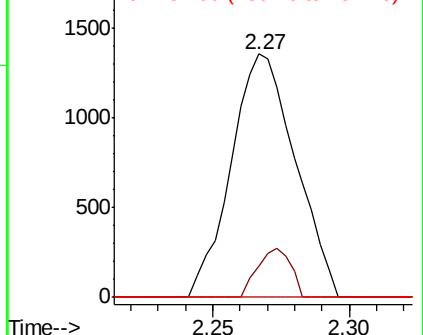
151 0.0 57.4 86.0#



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



#12

1,1-Dichloroethene

Concen: 43.043 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031104.D

Acq: 12 Apr 2019 05:12

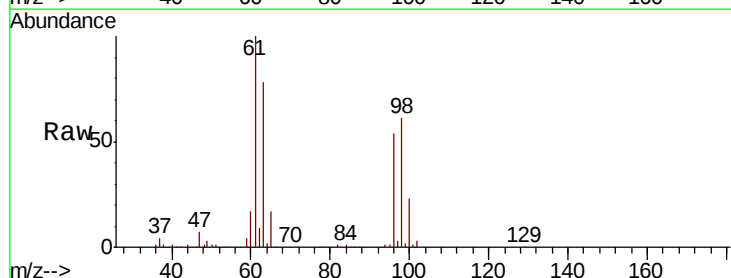
Tgt Ion: 96 Resp: 147637

Ion Ratio Lower Upper

96 100

61 186.6 132.0 245.2

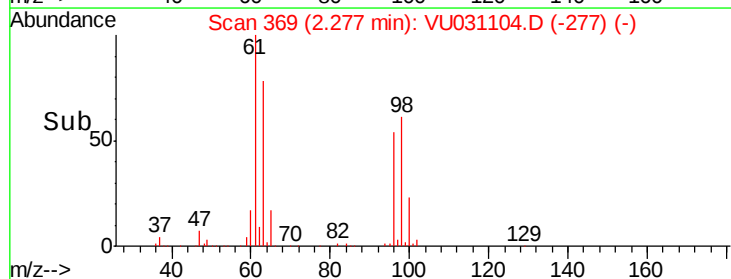
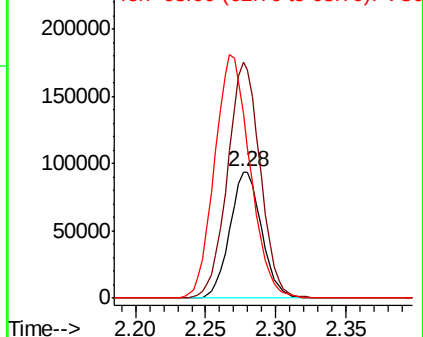
63 145.7 90.9 168.9

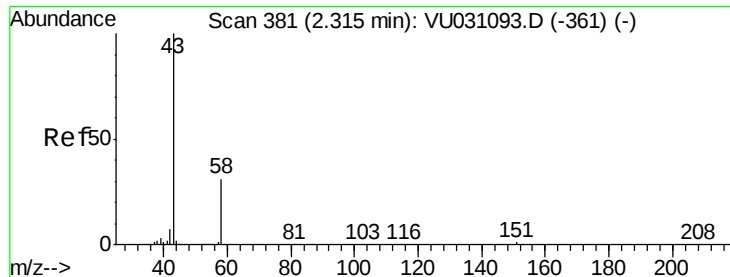


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

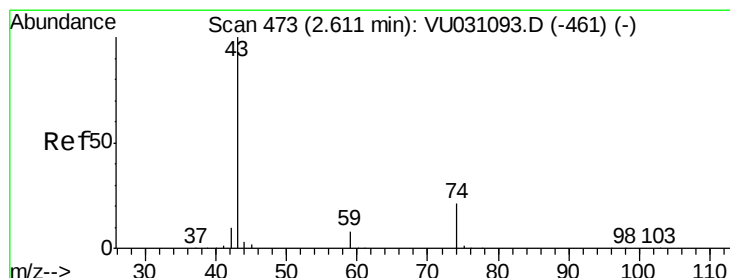
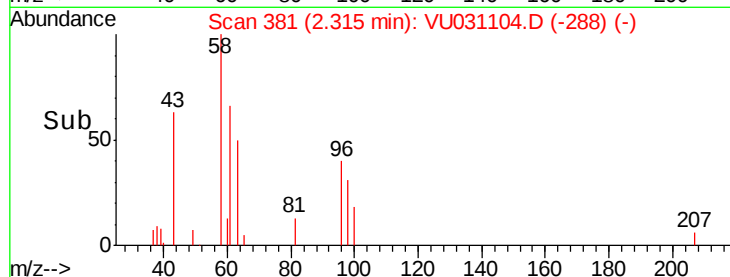
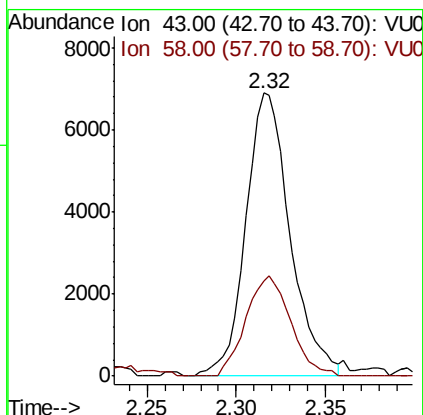
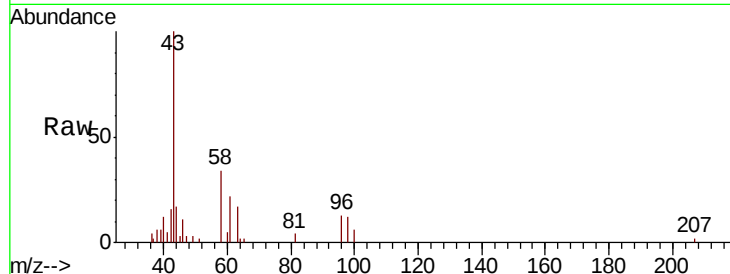




#13
Acetone
Concen: 3.340 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VU031104.D
Acq: 12 Apr 2019 05:12

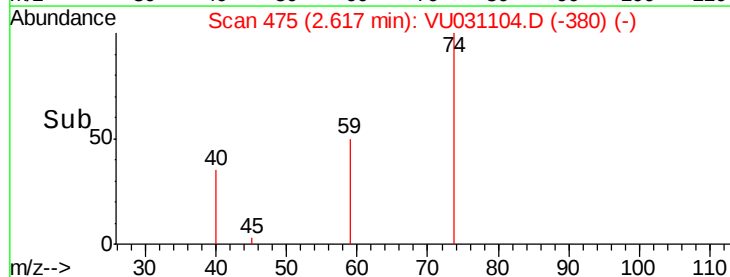
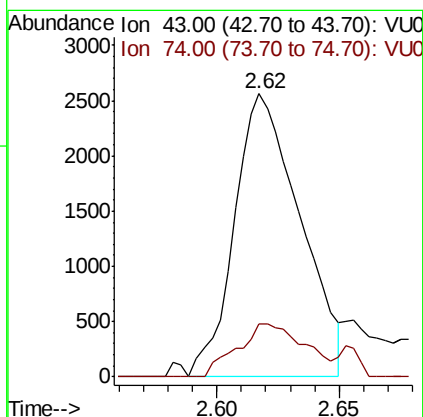
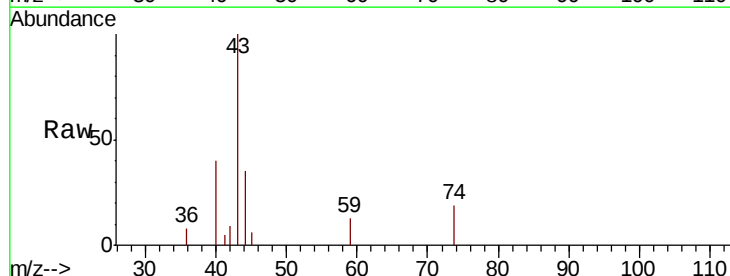
Instrument :
MSVOA_U
ClientSampleId :
ETJ60MS

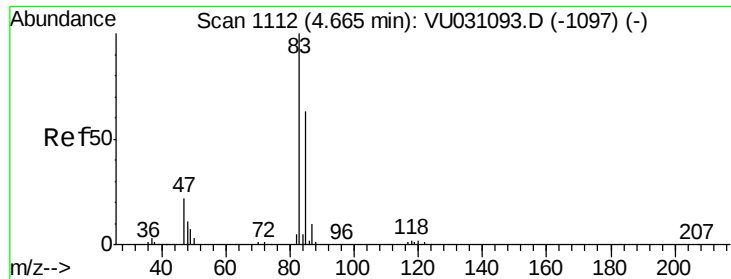
Tot Ion: 43 Resp: 11999
Ion Ratio Lower Upper
43 100
58 35.6 0.0 64.0



#15
Methyl Acetate
Concen: 0.857 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.01 min
Lab File: VU031104.D
Acq: 12 Apr 2019 05:12

Tgt Ion: 43 Resp: 4775
Ion Ratio Lower Upper
43 100
74 19.3 17.1 25.7





#25

Chloroform

Concen: 1.023 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031104.D

Acq: 12 Apr 2019 05:12

Instrument :

MSVOA_U

ClientSampleId :

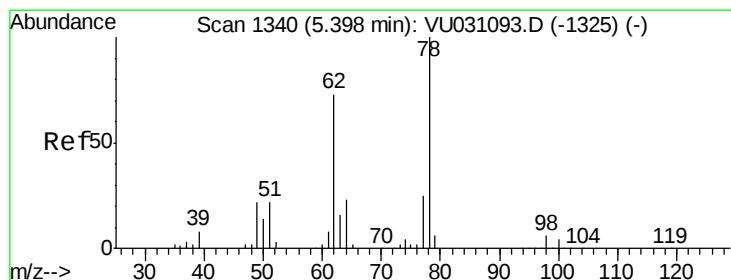
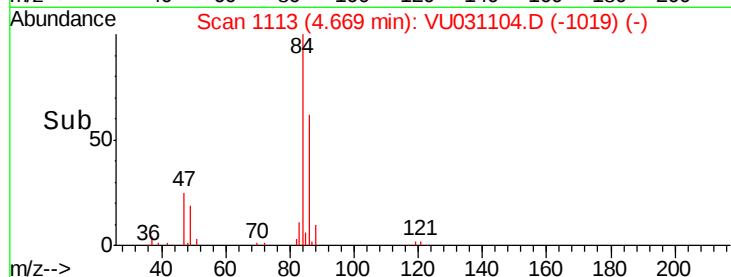
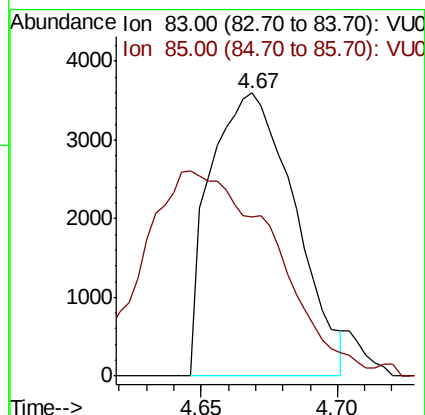
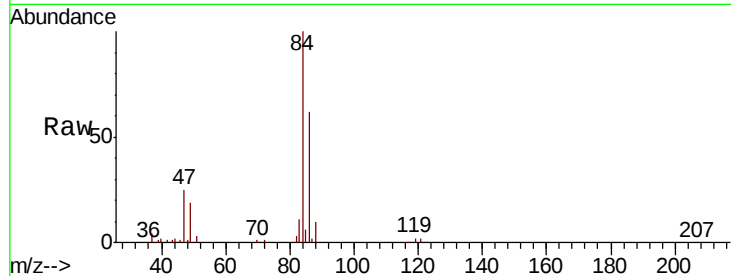
ETJ60MS

Tot Ion: 83 Resp: 7724

Ion Ratio Lower Upper

83 100

85 56.3 45.8 85.0



#27

1,2-Dichloroethane

Concen: 1.003 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VU031104.D

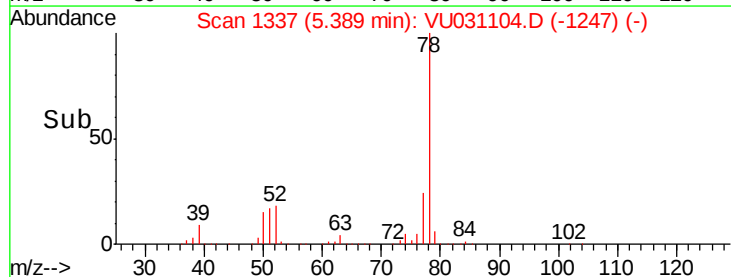
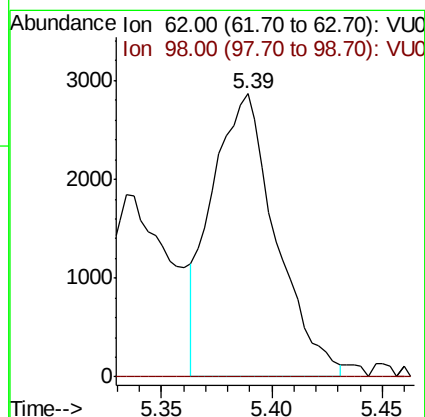
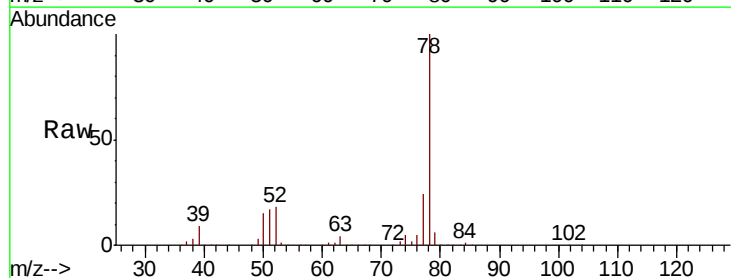
Acq: 12 Apr 2019 05:12

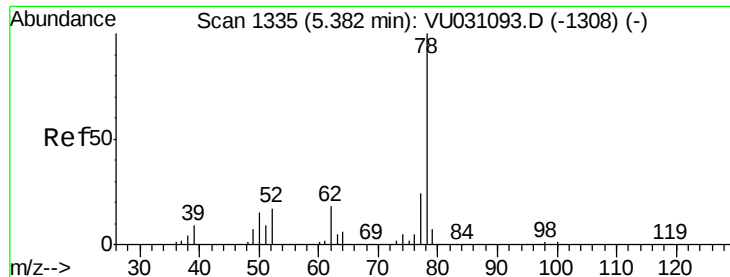
Tgt Ion: 62 Resp: 5784

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#





#33

Benzene

Concen: 43.960 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU031104.D

Acq: 12 Apr 2019 05:12

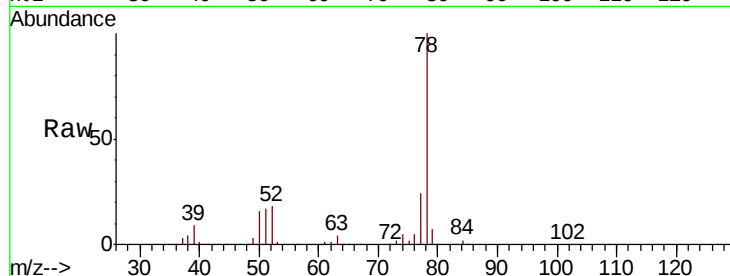
Instrument :

MSVOA_U

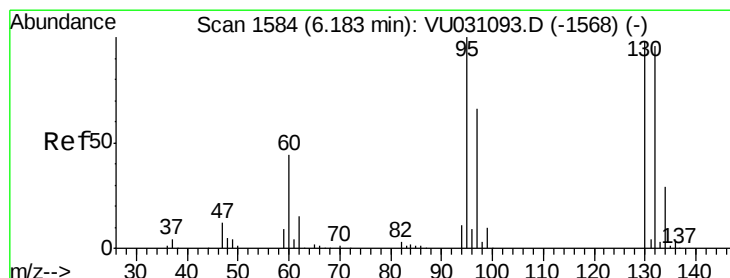
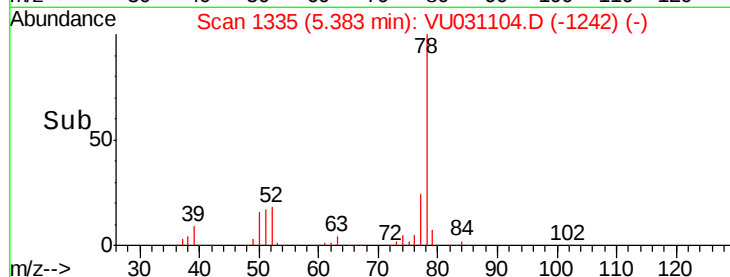
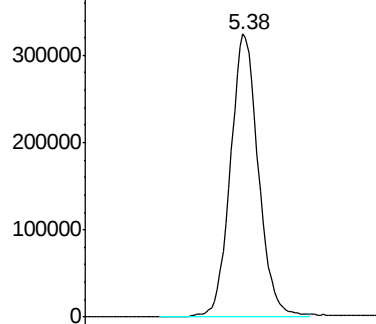
ClientSampleId :

ETJ60MS

Tgt Ion: 78 Resp: 709622



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 42.875 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031104.D

Acq: 12 Apr 2019 05:12

Tgt Ion: 95 Resp: 169749

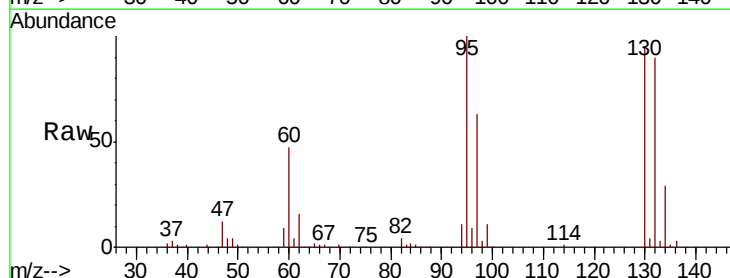
Ion	Ratio	Lower	Upper
95	100		
97	63.0	44.5	82.7
132	90.3	61.5	114.1
130	94.7	64.9	120.5

95 100

97 63.0 44.5 82.7

132 90.3 61.5 114.1

130 94.7 64.9 120.5

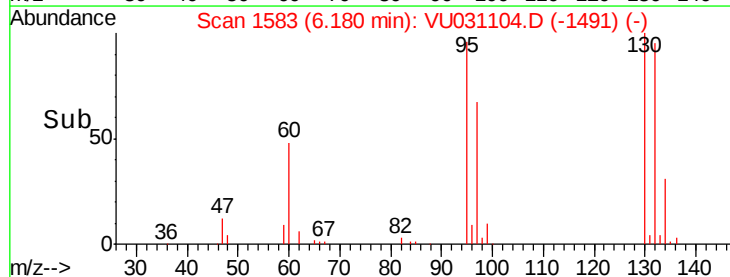
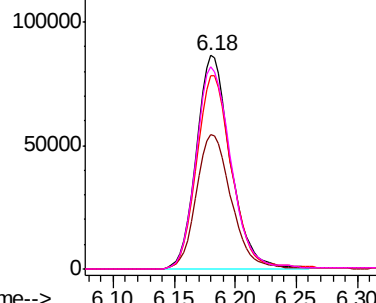


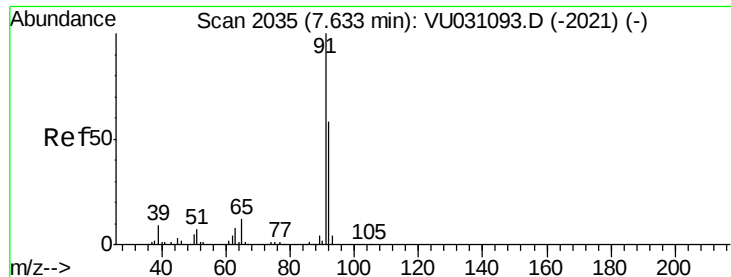
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 43.711 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031104.D

Acq: 12 Apr 2019 05:12

Instrument :

MSVOA_U

ClientSampleId :

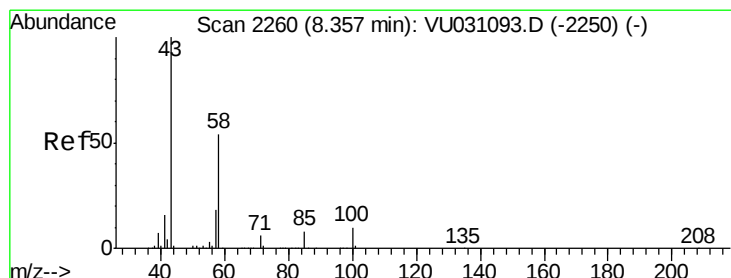
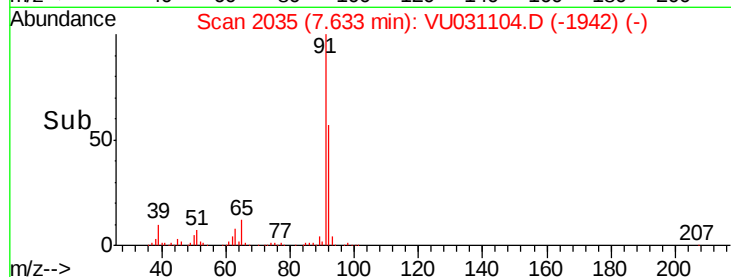
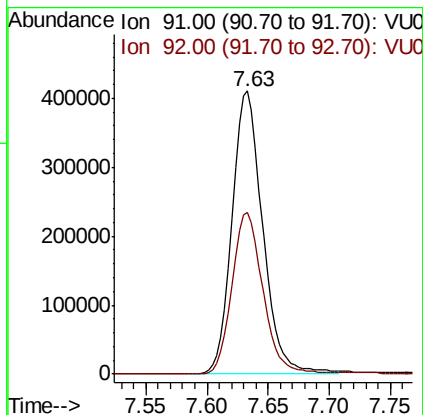
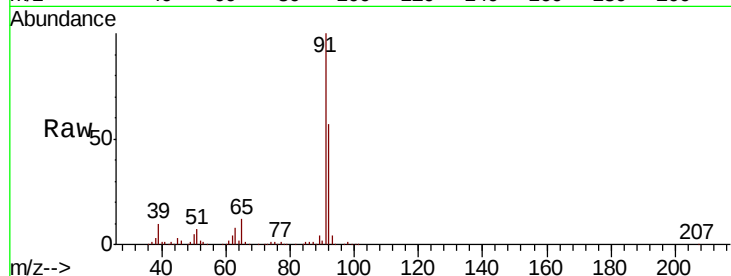
ETJ60MS

Tot Ion: 91 Resp: 720252

Ion Ratio Lower Upper

91 100

92 57.2 40.0 74.4



#48

2-Hexanone

Concen: 2.371 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU031104.D

Acq: 12 Apr 2019 05:12

Tgt Ion: 43 Resp: 13597

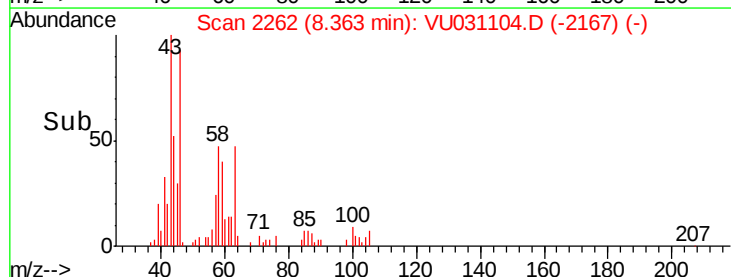
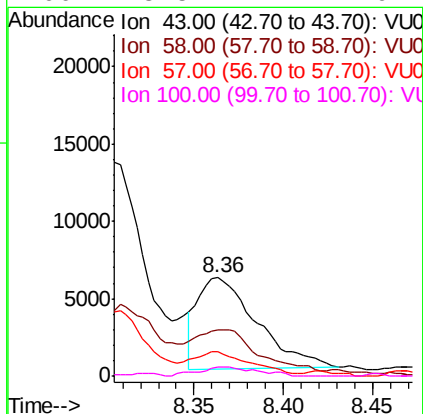
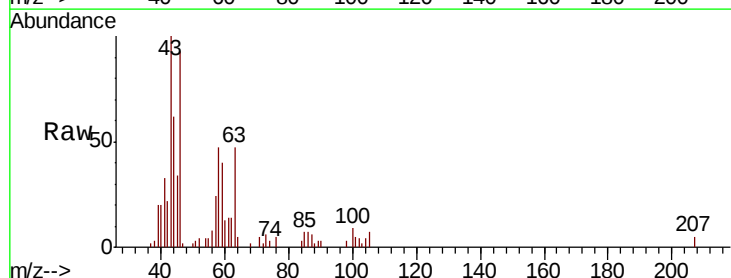
Ion Ratio Lower Upper

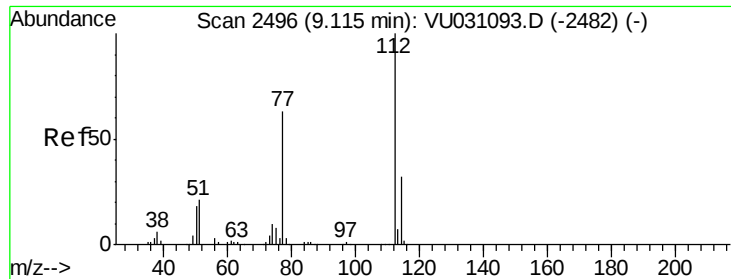
43 100

58 52.9 41.9 62.9

57 23.1 14.3 21.5#

100 5.5 7.1 10.7#

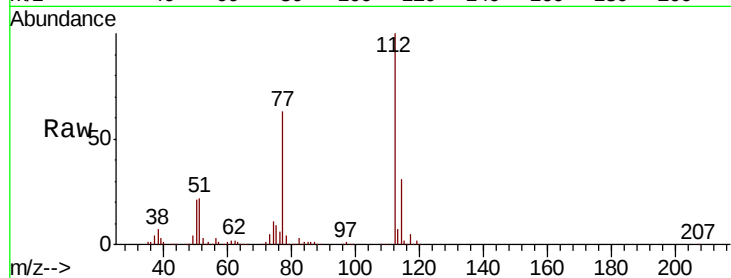




#51
 Chlorobenzene
 Concen: 46.123 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU031104.D
 Acq: 12 Apr 2019 05:12

Instrument :
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Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.2	41.2
77	63.2	51.7	77.5



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): VU0

