

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
 Data File : VU026318.D
 Acq On : 23 Aug 2018 22:56
 Operator : MD/SY
 Sample : J4622-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 24 02:08:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:06:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.90	114	373217	50.00	ug/L	0.01
28) Chlorobenzene-d5	9.09	117	361109	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	178054	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	229570	100.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	201.70%#
7) Chloroethane-d5	1.68	69	78065	42.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.10%
11) 1,1-Dichloroethene-d2	2.28	63	932695	208.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	416.92%#
21) 2-Butanone-d5	4.17	46	344	0.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.19%#
24) Chloroform-d	4.67	84	229255	45.18	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.36%
26) 1,2-Dichloroethane-d4	5.32	65	151011	45.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.46%
32) Benzene-d6	5.36	84	461169	47.74	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.48%
36) 1,2-Dichloropropane-d6	6.36	67	155260	50.05	ug/L	0.03
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.10%
41) Toluene-d8	7.57	98	428367	46.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.78%
43) trans-1,3-Dichloropropene-	7.85	79	74994	46.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.58%
47) 2-Hexanone-d5	8.31	63	140893	106.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	203863	44.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	168840	44.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.38%

Target Compounds

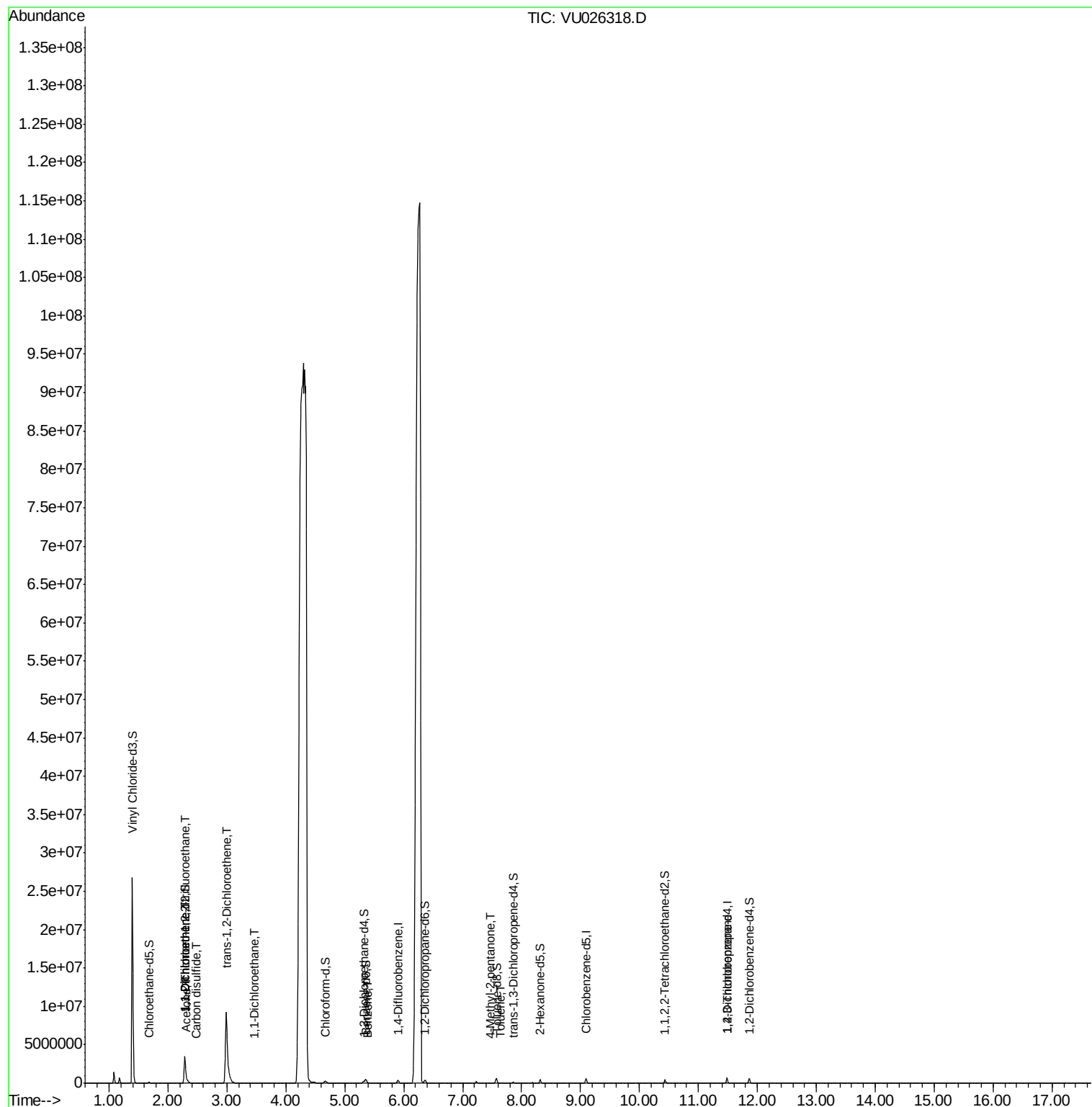
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4601	2.151	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	1438034	732.081	ug/L #	71
13) Acetone	2.32	43	17780	12.645	ug/L	64
14) Carbon disulfide	2.48	76	20901	2.774	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	5306043	2191.473	ug/L	100
19) 1,1-Dichloroethane	3.46	63	37145	8.425	ug/L	100
33) Benzene	5.40	78	43017	4.370	ug/L	100
40) 4-Methyl-2-pentanone	7.47	43	4926	1.445	ug/L	98
42) Toluene	7.64	91	44415	4.240	ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	19950	5.948	ug/L	89

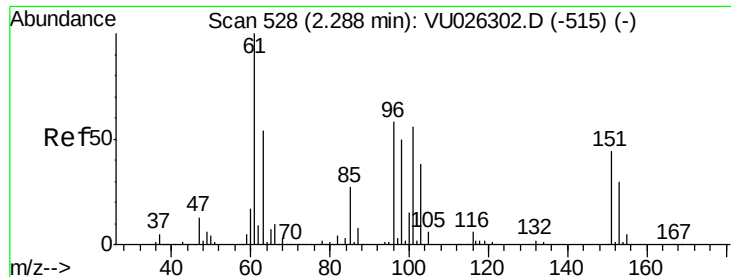
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 2.151 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.01 min

Lab File: VU026318.D

Acq: 23 Aug 2018 22:56

Instrument :

MSVOA_U

ClientSampled :

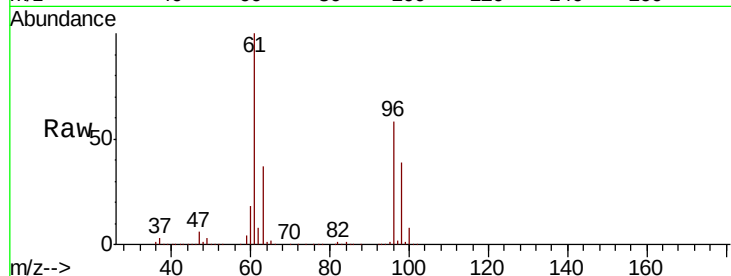
Tot Ion:101 Resp: 4601

Ion Ratio Lower Upper

101 100

85 6.2 35.8 53.6#

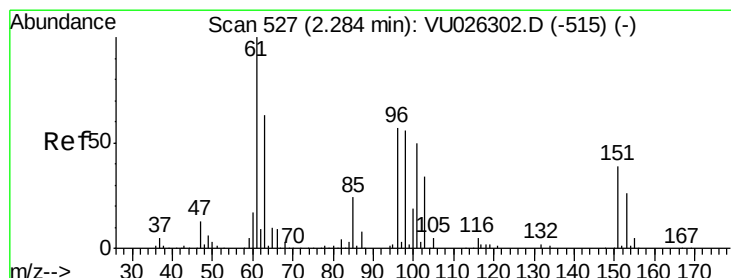
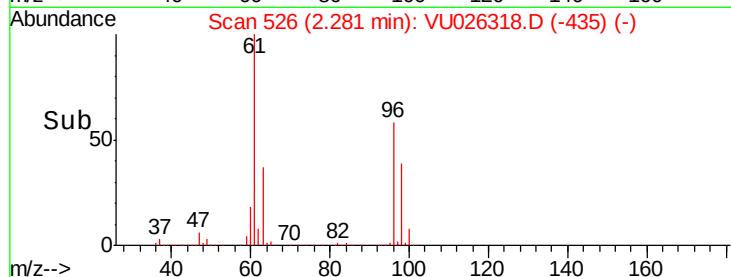
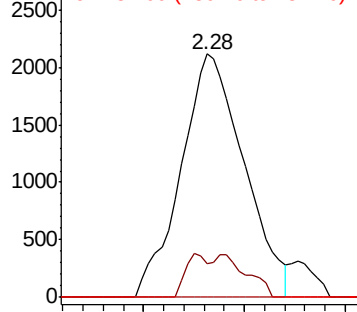
151 0.0 63.3 94.9#



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



#12

1,1-Dichloroethene

Concen: 732.081 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026318.D

Acq: 23 Aug 2018 22:56

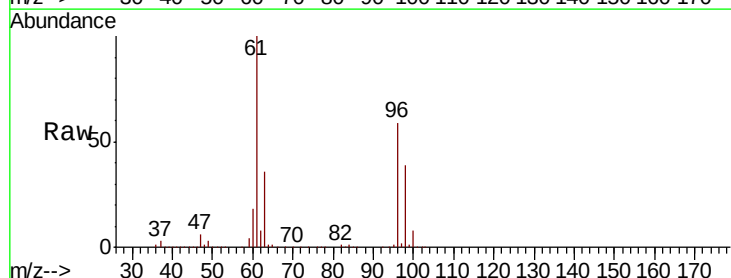
Tgt Ion: 96 Resp: 1438034

Ion Ratio Lower Upper

96 100

61 170.8 124.7 231.5

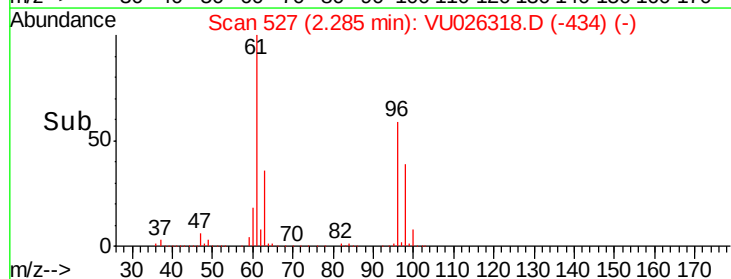
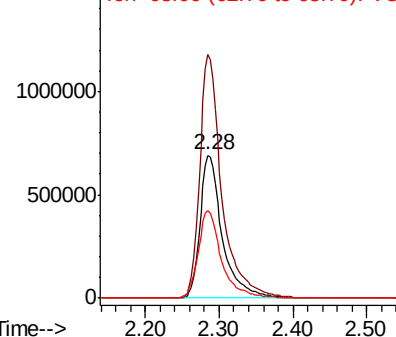
63 61.7 93.7 174.1#

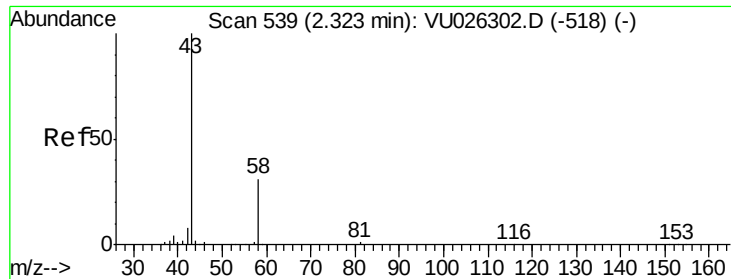


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 12.645 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026318.D

Acq: 23 Aug 2018 22:56

Instrument :

MSVOA_U

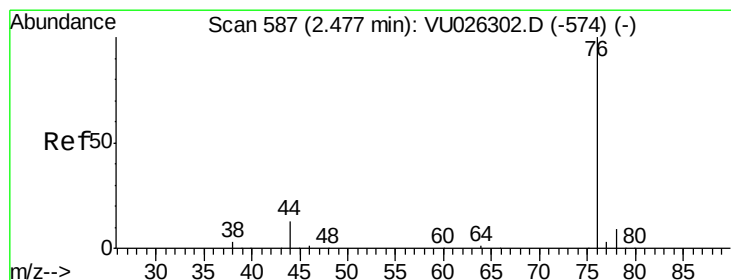
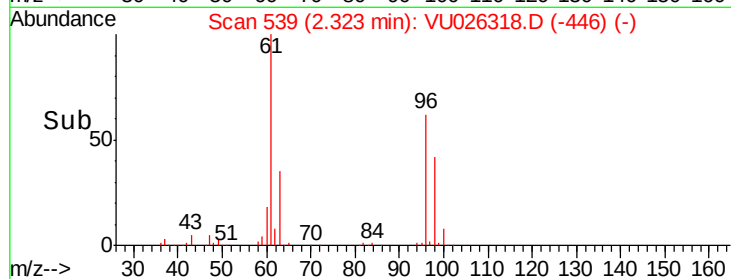
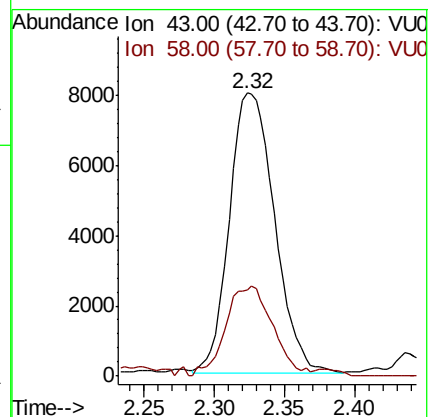
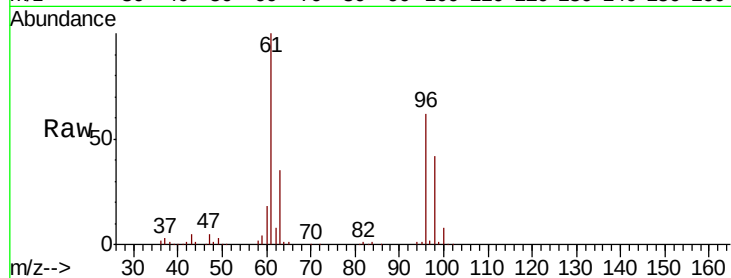
ClientSampleId :

Tot Ion: 43 Resp: 17780

Ion Ratio Lower Upper

43 100

58 11.0 0.0 61.2



#14

Carbon disulfide

Concen: 2.774 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026318.D

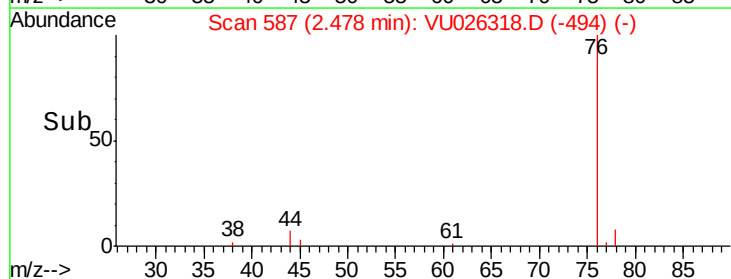
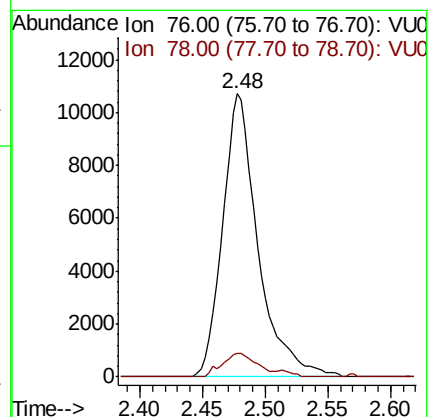
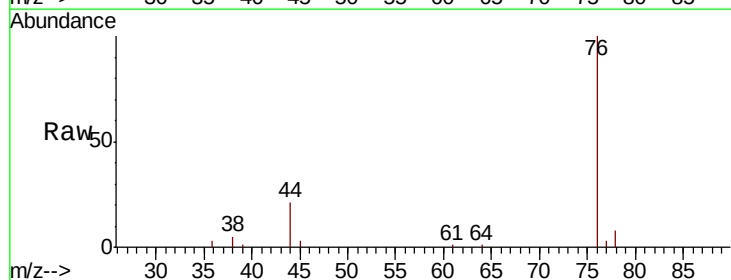
Acq: 23 Aug 2018 22:56

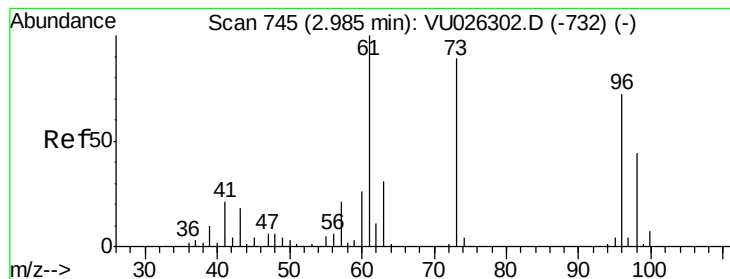
Tgt Ion: 76 Resp: 20901

Ion Ratio Lower Upper

76 100

78 8.4 7.2 10.8





#17

trans-1,2-Dichloroethene

Concen: 2191.473 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU026318.D

Acq: 23 Aug 2018 22:56

Instrument :

MSVOA_U

ClientSampled :

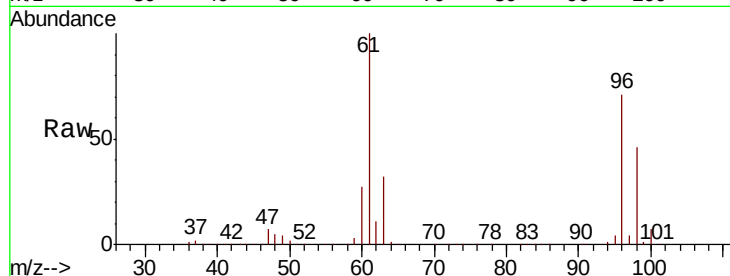
Tot Ion: 96 Resp: 5306043

Ion Ratio Lower Upper

96 100

61 140.2 97.9 181.9

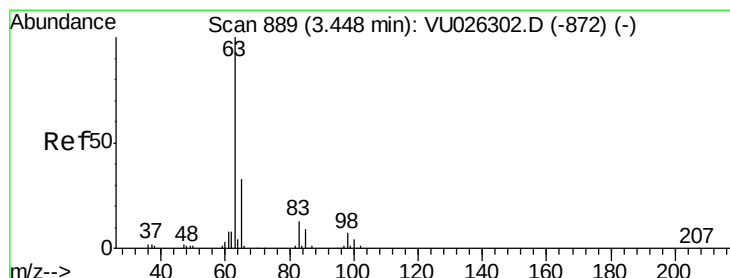
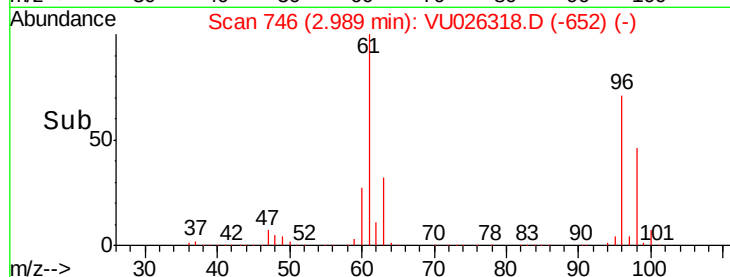
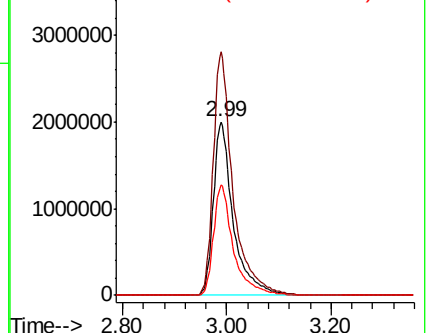
98 63.8 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#19

1,1-Dichloroethane

Concen: 8.425 ug/L

RT: 3.46 min Scan# 891

Delta R.T. 0.01 min

Lab File: VU026318.D

Acq: 23 Aug 2018 22:56

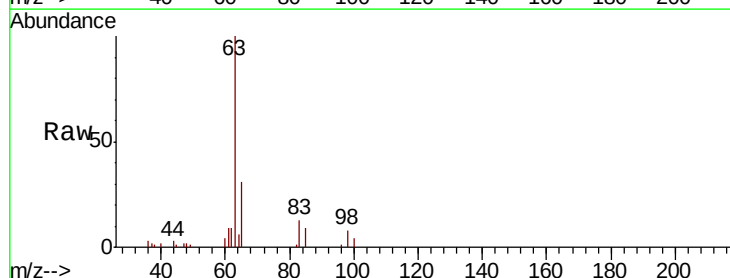
Tgt Ion: 63 Resp: 37145

Ion Ratio Lower Upper

63 100

65 30.9 21.4 39.8

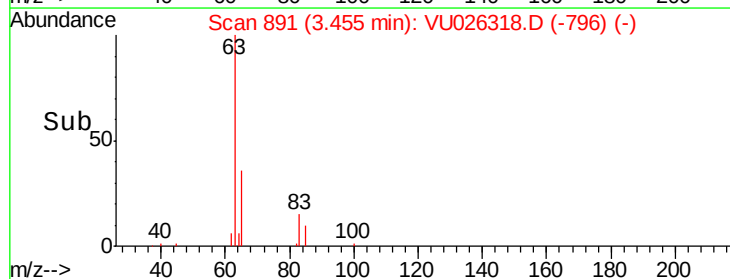
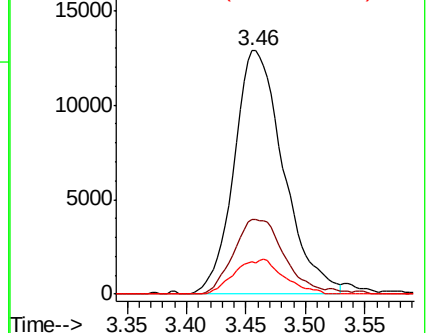
83 13.1 9.2 17.2

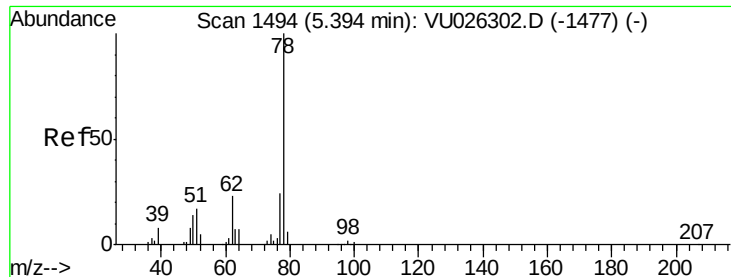


Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

Ion 83.00 (82.70 to 83.70): VU0





#33

Benzene

Concen: 4.370 ug/L

RT: 5.40 min Scan# 1497

Delta R.T. 0.01 min

Lab File: VU026318.D

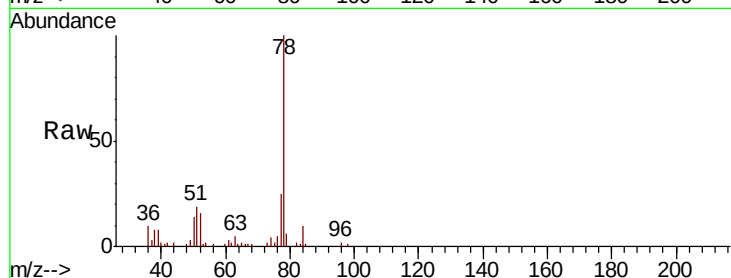
Acq: 23 Aug 2018 22:56

Instrument :

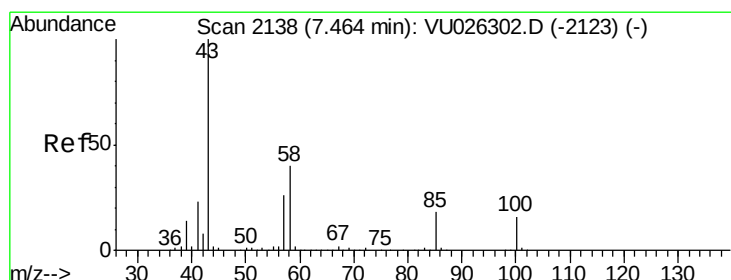
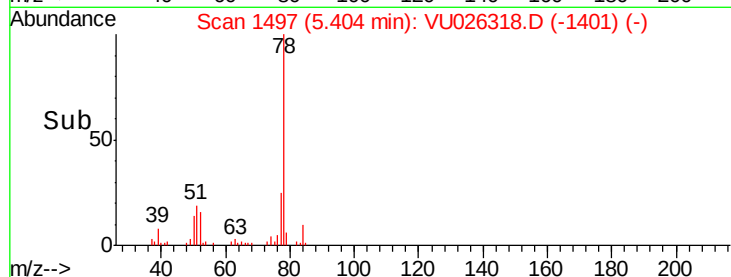
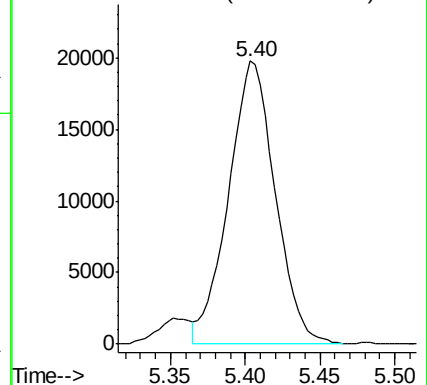
MSVOA_U

ClientSampled :

Tgt Ion: 78 Resp: 43017



Abundance Ion 78.00 (77.70 to 78.70): VU0



#40

4-Methyl-2-pentanone

Concen: 1.445 ug/L

RT: 7.47 min Scan# 2140

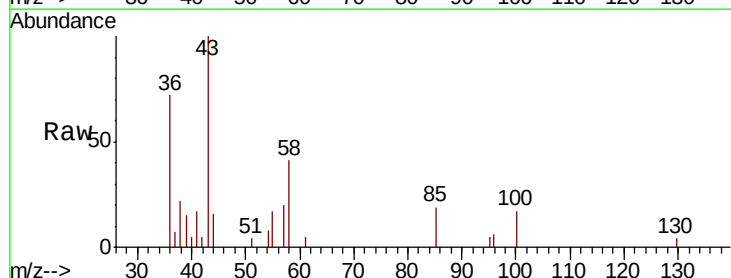
Delta R.T. 0.01 min

Lab File: VU026318.D

Acq: 23 Aug 2018 22:56

Tgt Ion: 43 Resp: 4926

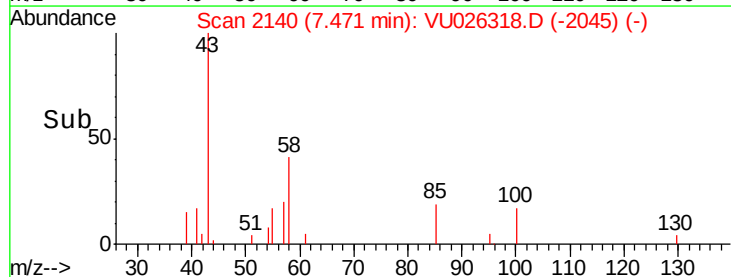
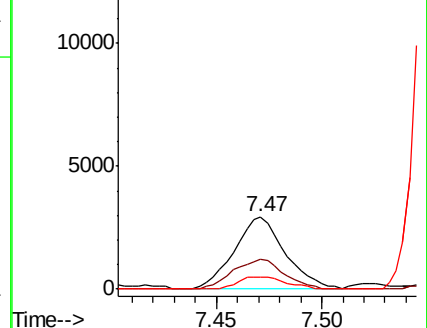
Ion	Ratio	Lower	Upper
43	100		
58	41.0	31.6	47.4
100	15.9	12.3	18.5

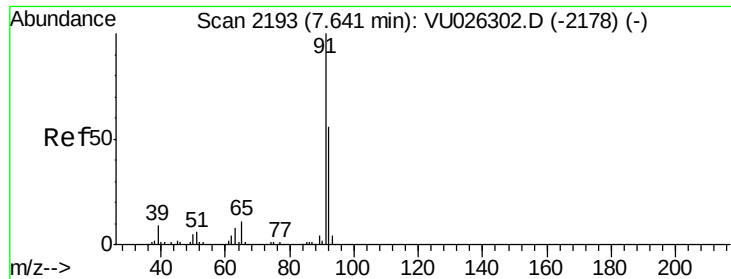


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 4.240 ug/L

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU026318.D

Acq: 23 Aug 2018 22:56

Instrument :

MSVOA_U

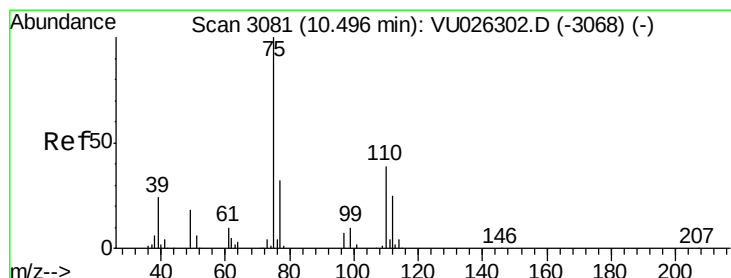
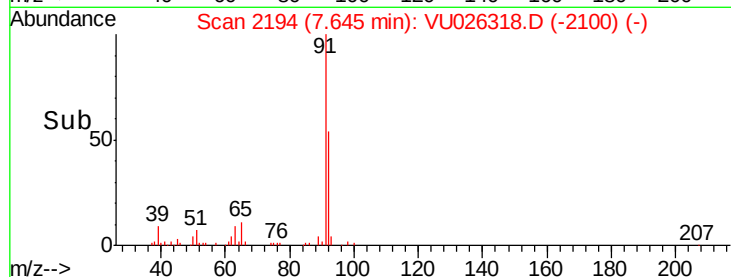
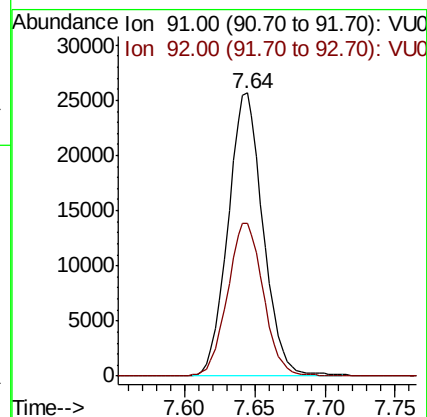
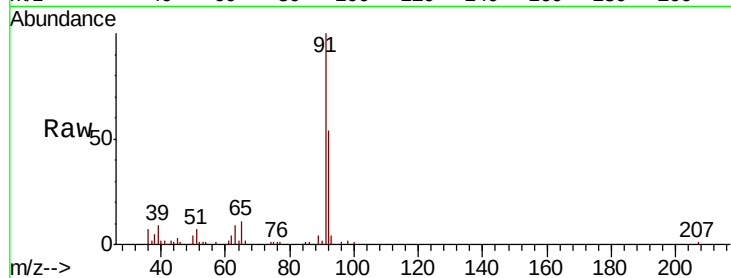
ClientSampleId :

Tot Ion: 91 Resp: 44415

Ion Ratio Lower Upper

91 100

92 53.9 39.9 74.1



#59

1,2,3-Trichloropropane

Concen: 5.948 ug/L

RT: 11.48 min Scan# 3388

Delta R.T. 0.99 min

Lab File: VU026318.D

Acq: 23 Aug 2018 22:56

Tgt Ion: 75 Resp: 19950

Ion Ratio Lower Upper

75 100

77 38.1 25.5 38.3

