

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083018\
 Data File : VU026482.D
 Acq On : 31 Aug 2018 05:19
 Operator : MD/SY
 Sample : J4691-05DL 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 05:46:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 05:38:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	155185	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	151919	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	66493	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	38976	40.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.08%
7) Chloroethane-d5	1.68	69	35940	41.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.78%
11) 1,1-Dichloroethene-d2	2.27	63	54951	25.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.76%#
21) 2-Butanone-d5	4.18	46	62675	83.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.99%
24) Chloroform-d	4.65	84	72825	40.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.20%
26) 1,2-Dichloroethane-d4	5.31	65	51480	42.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.16%
32) Benzene-d6	5.34	84	151468	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.52%
36) 1,2-Dichloropropane-d6	6.33	67	51520	42.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.66%
41) Toluene-d8	7.57	98	138599	41.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	7.85	79	21691	39.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.98%
47) 2-Hexanone-d5	8.31	63	48554	88.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.01%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	71407	40.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	56506	46.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.68%

Target Compounds

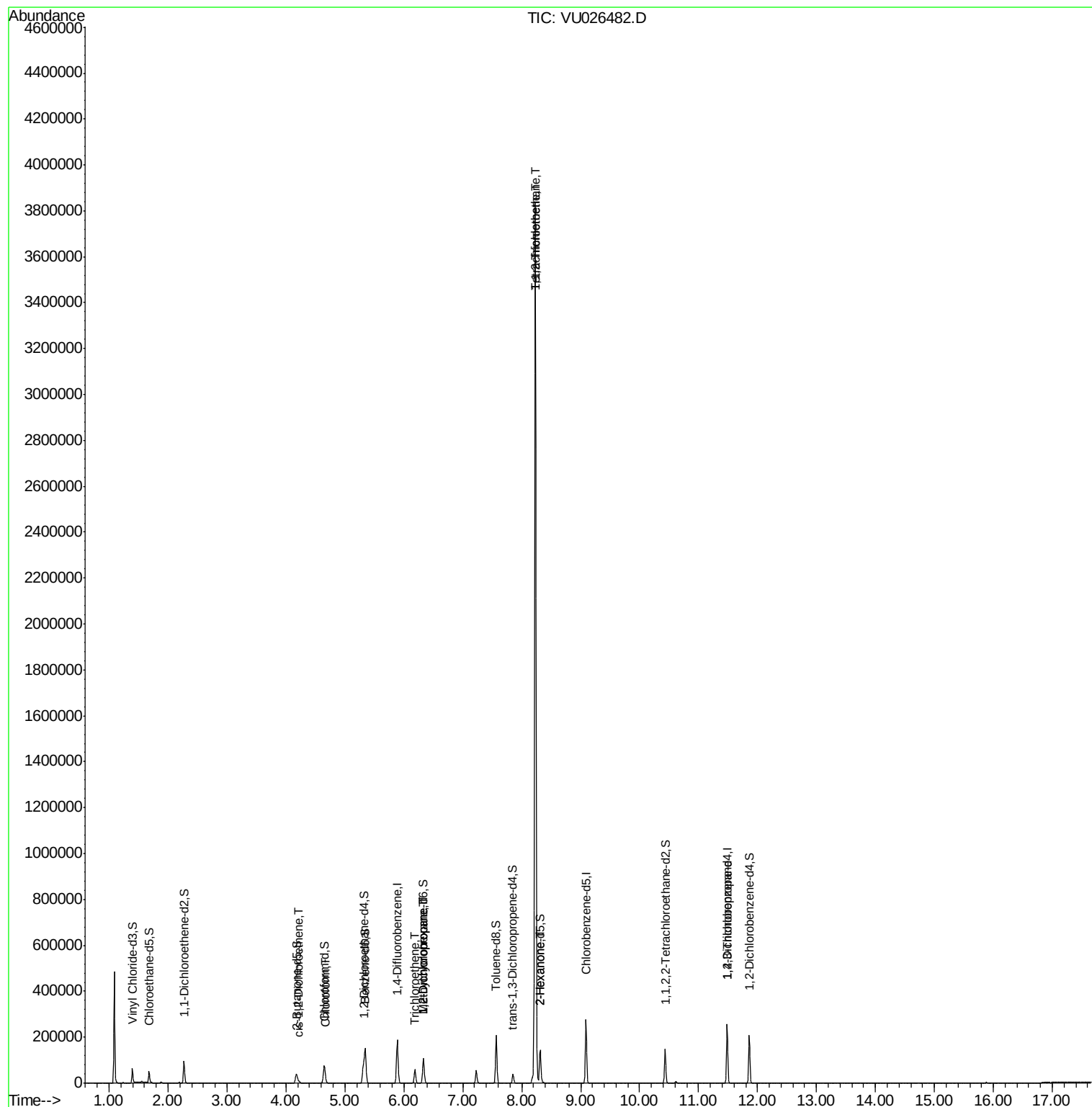
					Ovalue
20) cis-1,2-Dichloroethene	4.23	96	1602	1.427 ug/L	99
25) Chloroform	4.67	83	3555	1.768 ug/L	94
34) Trichloroethene	6.19	95	20509	18.773 ug/L	98
35) Methylcyclohexane	6.33	83	12003	7.036 ug/L #	17
37) 1,2-Dichloropropane	6.33	63	5659	4.693 ug/L #	88
45) 1,1,2-Trichloroethane	8.23	97	7398	6.698 ug/L #	1
46) Tetrachloroethene	8.23	164	840438	940.965 ug/L	98
48) 2-Hexanone	8.31	43	5834	4.555 ug/L #	65
59) 1,2,3-Trichloropropane	11.49	75	7932	5.272 ug/L #	86

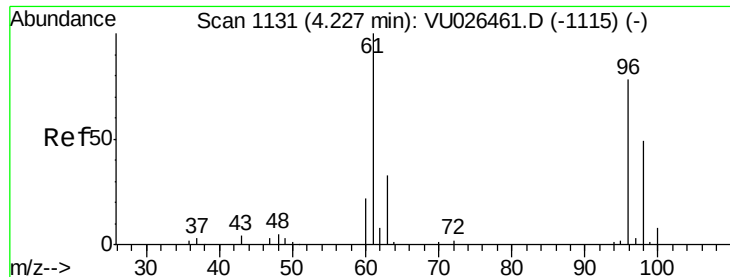
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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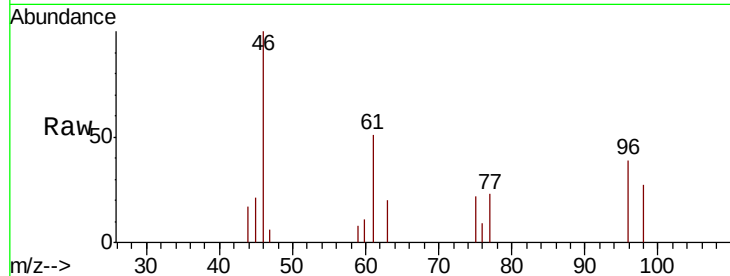




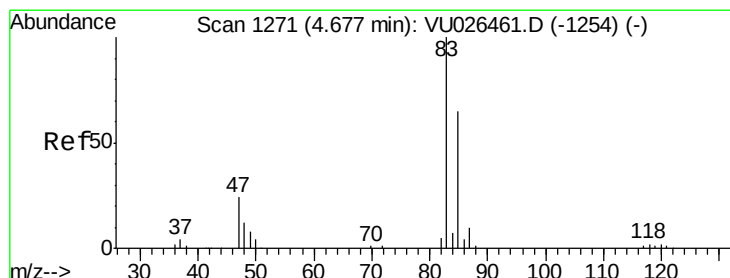
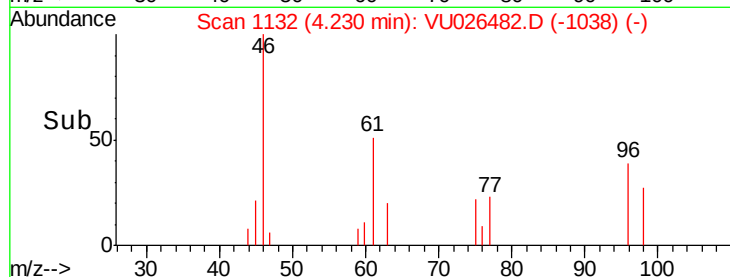
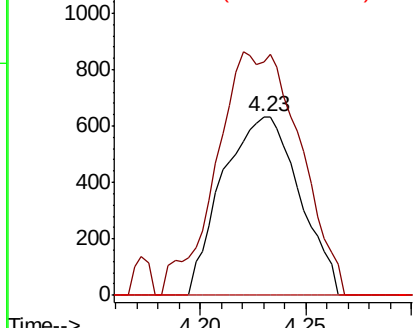
#20
 cis-1,2-Dichloroethene
 Concen: 1.427 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026482.D
 Acq: 31 Aug 2018 05:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 1602
 Ion Ratio Lower Upper
 96 100
 61 130.1 91.6 170.2
 68 0.0 0.0 0.0

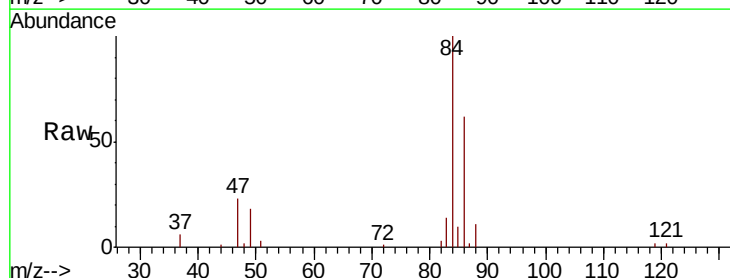


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

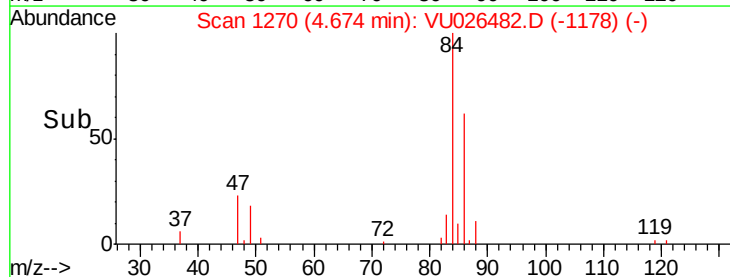
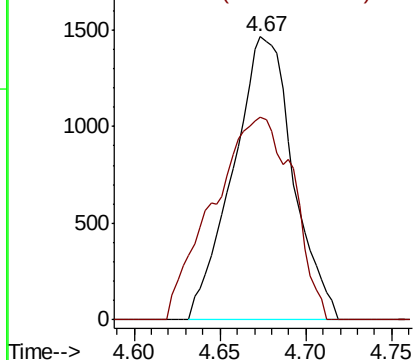


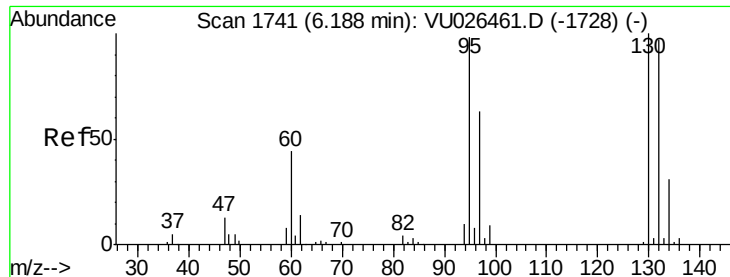
#25
 Chloroform
 Concen: 1.768 ug/L
 RT: 4.67 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU026482.D
 Acq: 31 Aug 2018 05:19

Tgt Ion: 83 Resp: 3555
 Ion Ratio Lower Upper
 83 100
 85 71.5 46.5 86.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 18.773 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026482.D

Acq: 31 Aug 2018 05:19

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 20509

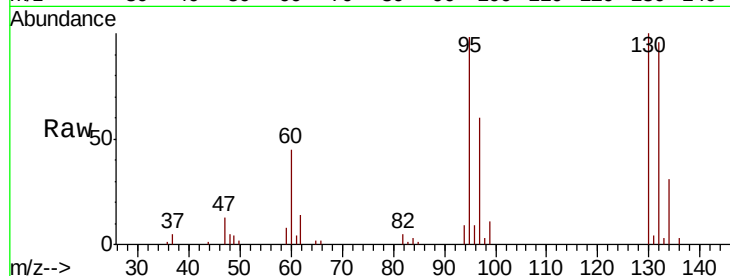
Ion Ratio Lower Upper

95 100

97 61.1 45.1 83.7

132 97.2 67.5 125.3

130 101.5 69.3 128.7

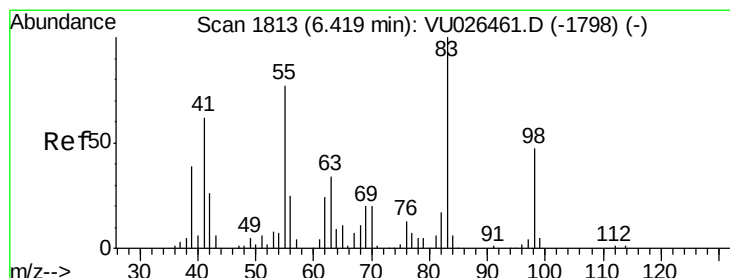
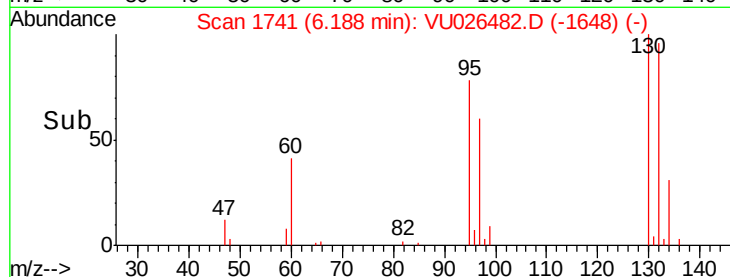
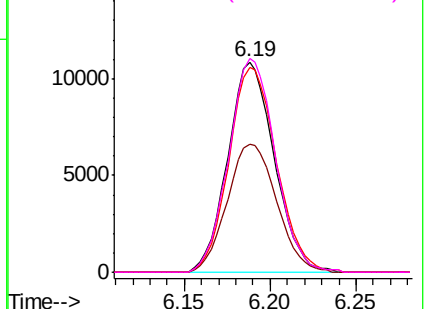


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 7.036 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU026482.D

Acq: 31 Aug 2018 05:19

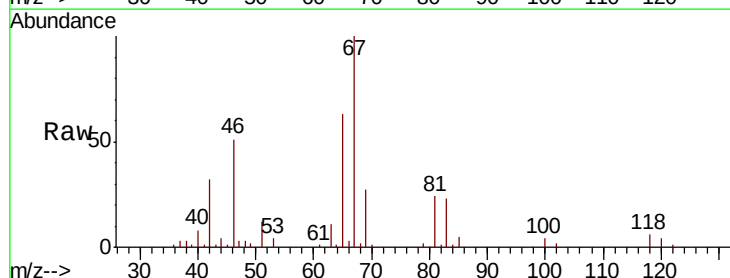
Tgt Ion: 83 Resp: 12003

Ion Ratio Lower Upper

83 100

55 0.0 63.3 94.9#

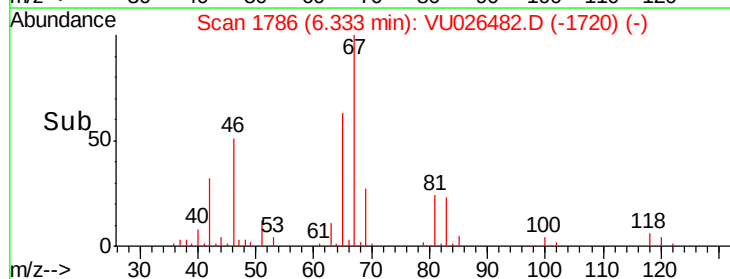
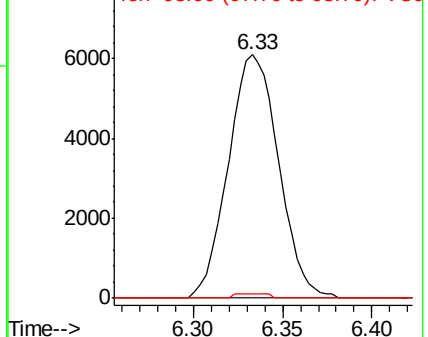
98 0.0 36.7 55.1#

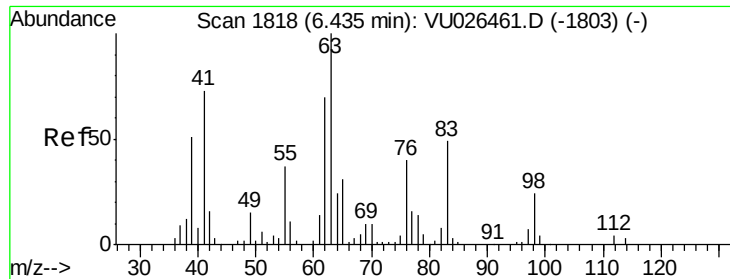


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

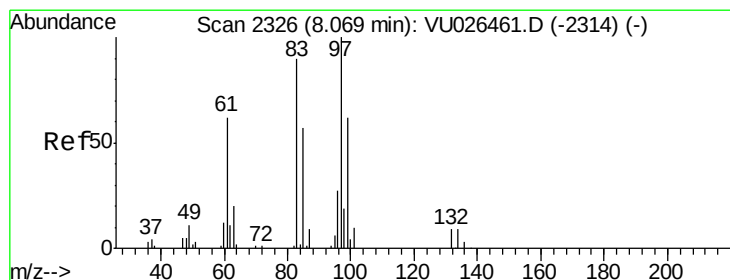
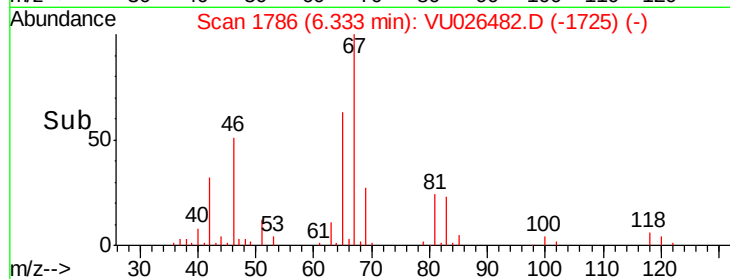
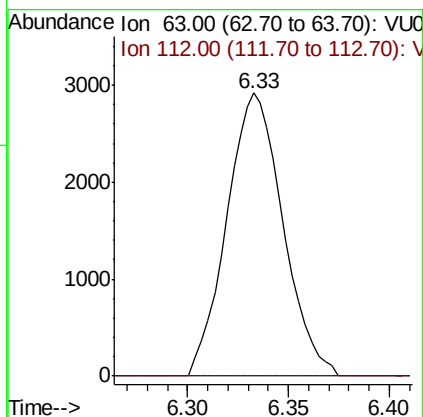
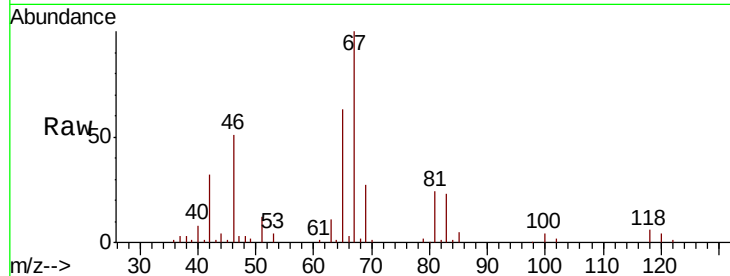




#37
 1,2-Dichloropropane
 Concen: 4.693 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU026482.D
 Acq: 31 Aug 2018 05:19

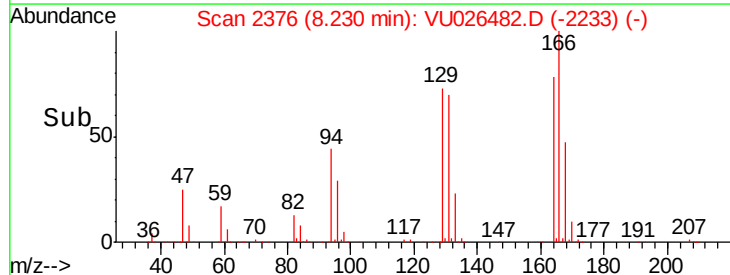
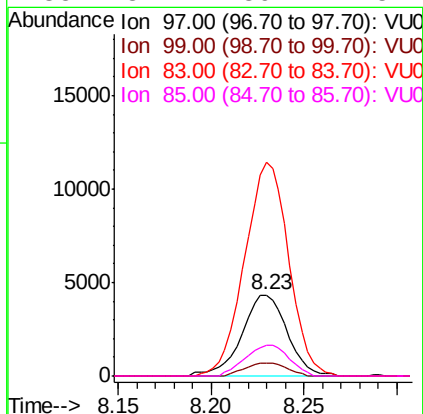
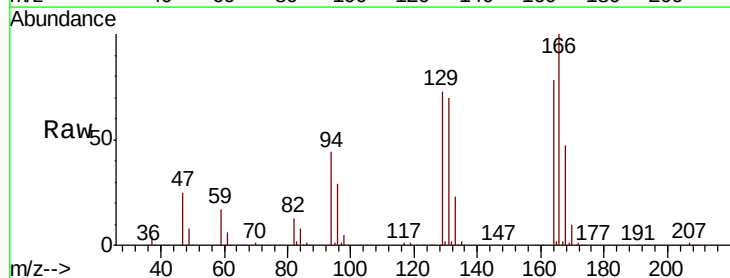
Instrument :
 MSVOA_U
 ClientSampled :

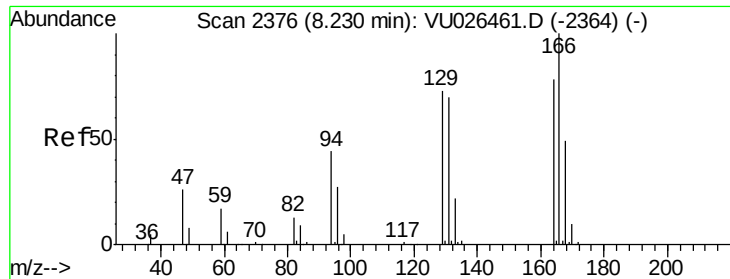
Tot Ion: 63 Resp: 5659
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#45
 1,1,2-Trichloroethane
 Concen: 6.698 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.16 min
 Lab File: VU026482.D
 Acq: 31 Aug 2018 05:19

Tgt Ion: 97 Resp: 7398
 Ion Ratio Lower Upper
 97 100
 99 16.5 43.9 81.5#
 83 263.5 62.7 116.5#
 85 37.2 39.4 73.2#





#46

Tetrachloroethene

Concen: 940.965 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026482.D

Acq: 31 Aug 2018 05:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 840438

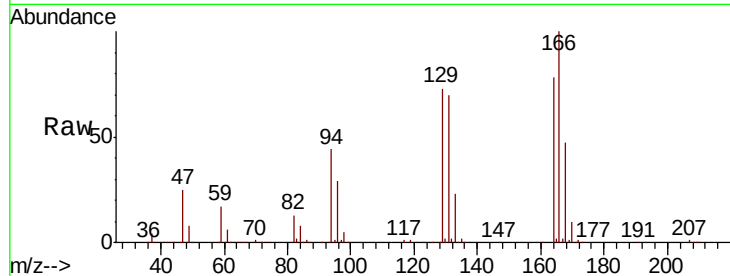
Ion Ratio Lower Upper

164 100

129 94.2 67.3 125.1

131 90.2 65.3 121.3

166 128.6 90.9 168.7

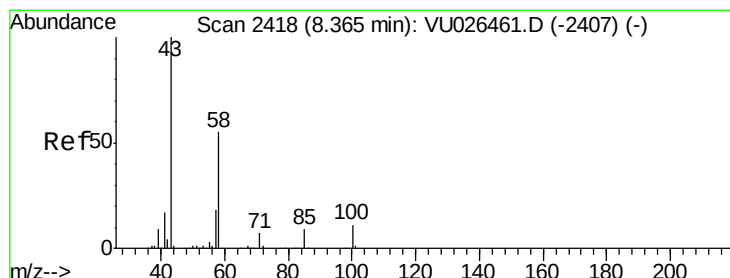
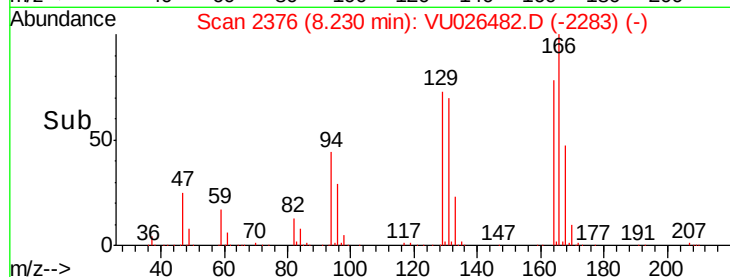
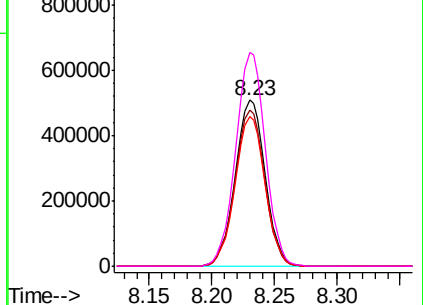


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 4.555 ug/L

RT: 8.31 min Scan# 2402

Delta R.T. -0.05 min

Lab File: VU026482.D

Acq: 31 Aug 2018 05:19

Tgt Ion: 43 Resp: 5834

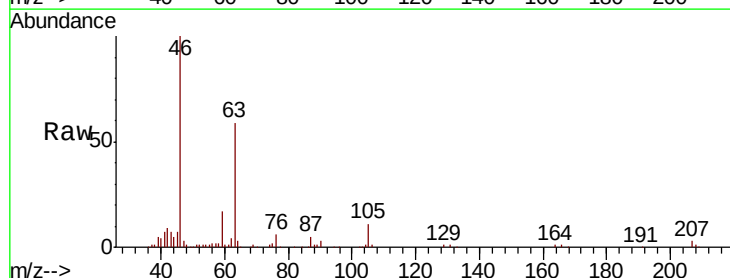
Ion Ratio Lower Upper

43 100

58 21.5 42.2 63.4#

57 24.1 14.6 21.8#

100 0.0 8.3 12.5#

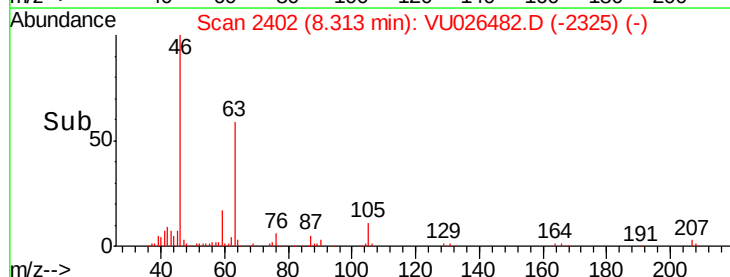
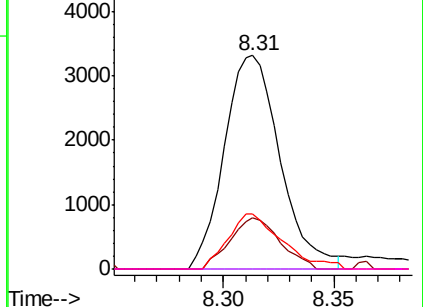


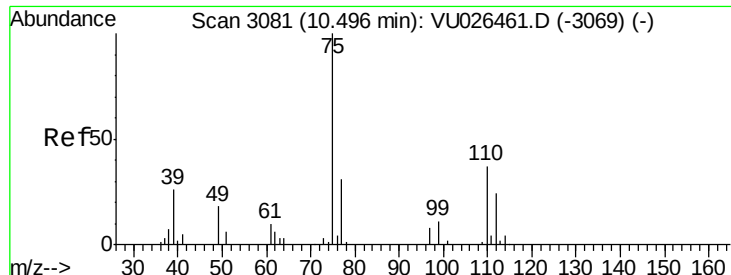
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.272 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU026482.D

Acq: 31 Aug 2018 05:19

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7932

Ion Ratio Lower Upper

75 100

77 38.8 25.0 37.6#

