

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071818\
 Data File : VU025487.D
 Acq On : 18 Jul 2018 10:51
 Operator : MD/SY
 Sample : J3984-09DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 19 01:08:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 01:07:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	343516	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	309327	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146801	50.00	ug/L	0.00

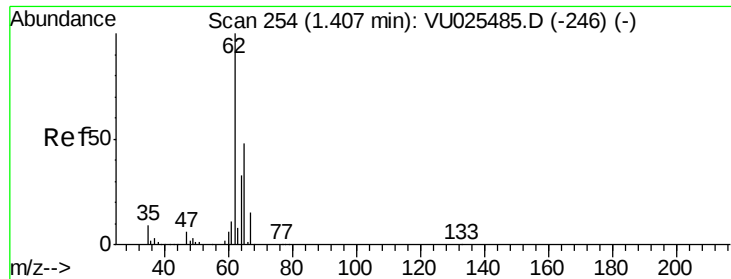
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	71298	44.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.02%
7) Chloroethane-d5	1.68	69	63913	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.62%
11) 1,1-Dichloroethene-d2	2.27	63	117836	33.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.26%
21) 2-Butanone-d5	4.18	46	141689	82.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.20%
24) Chloroform-d	4.65	84	185955	44.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.50%
26) 1,2-Dichloroethane-d4	5.31	65	127112	44.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.90%
32) Benzene-d6	5.35	84	354456	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.84%
36) 1,2-Dichloropropane-d6	6.33	67	116002	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.72%
41) Toluene-d8	7.57	98	332990	46.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.04%
43) trans-1,3-Dichloropropene-	7.85	79	57171	44.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.74%
47) 2-Hexanone-d5	8.31	63	101697	79.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.24%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	157235	42.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	139137	47.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.41	62	18092	7.195	ug/L 92
8) Chloroethane	1.41	64	6635	4.409	ug/L # 74
20) cis-1,2-Dichloroethene	4.23	96	45362	16.823	ug/L 99
34) Trichloroethene	6.19	95	53725	22.178	ug/L 99
35) Methylcyclohexane	6.33	83	27932	7.594	ug/L # 19
37) 1,2-Dichloropropane	6.33	63	13373	5.297	ug/L # 88
46) Tetrachloroethene	8.23	164	152922	75.671	ug/L 99

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



#5

Vinyl chloride

Concen: 7.195 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025487.D

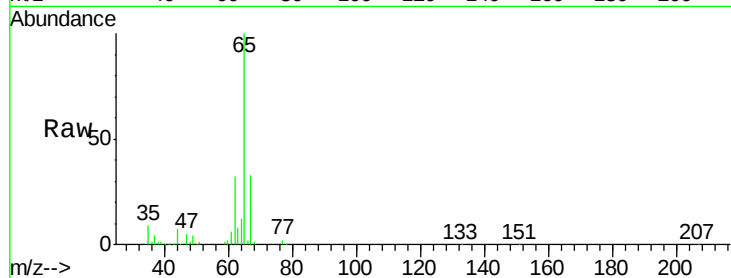
Acq: 18 Jul 2018 10:51

Tgt Ion: 62 Resp: 18092

Ion Ratio Lower Upper

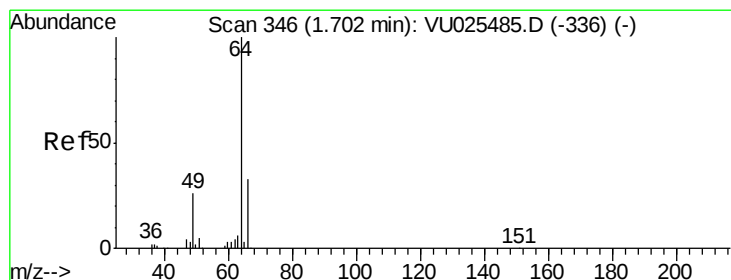
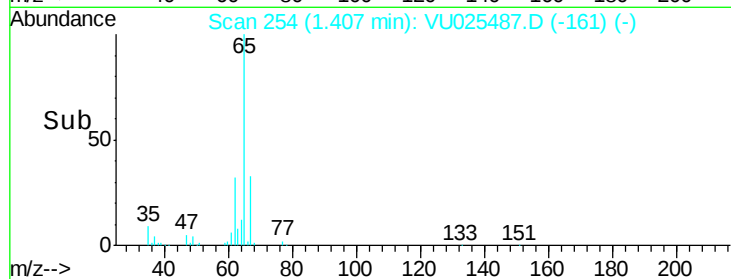
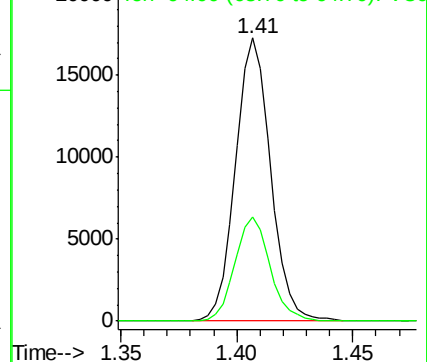
62 100

64 36.8 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 4.409 ug/L

RT: 1.41 min Scan# 254

Delta R.T. -0.30 min

Lab File: VU025487.D

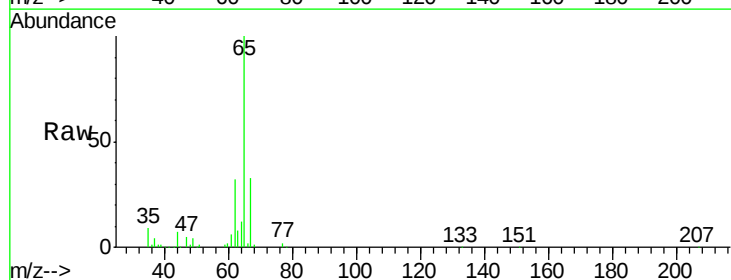
Acq: 18 Jul 2018 10:51

Tgt Ion: 64 Resp: 6635

Ion Ratio Lower Upper

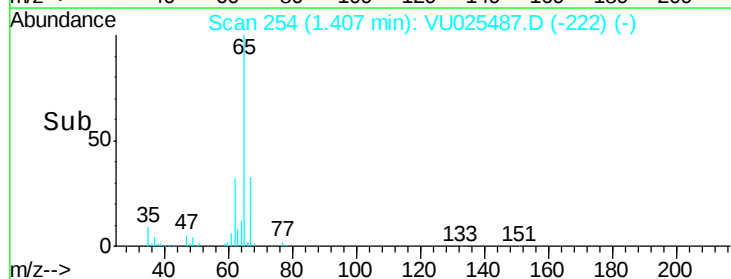
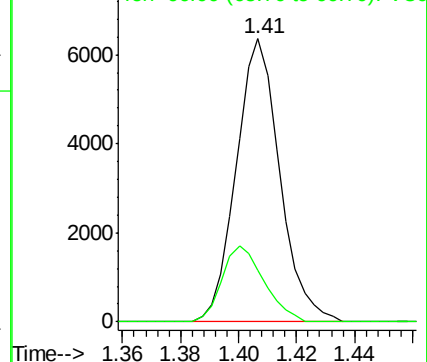
64 100

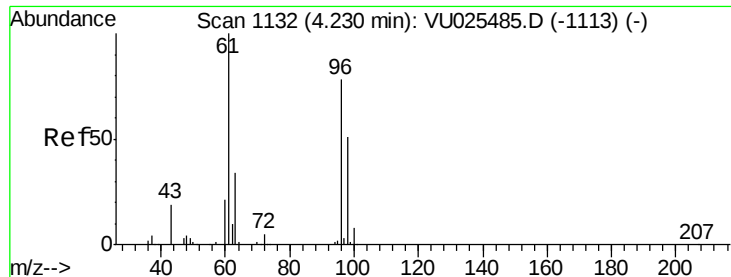
66 18.2 23.0 42.8#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 16.823 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025487.D

Acq: 18 Jul 2018 10:51

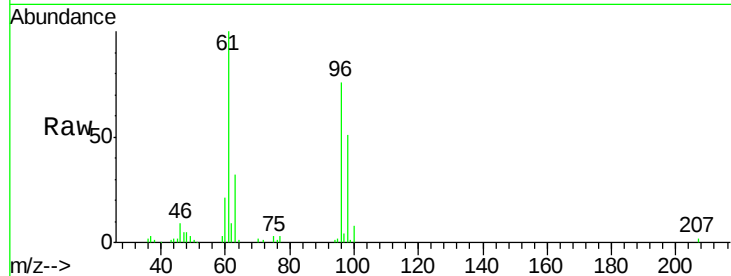
Tgt Ion: 96 Resp: 45362

Ion Ratio Lower Upper

96 100

61 132.0 91.7 170.3

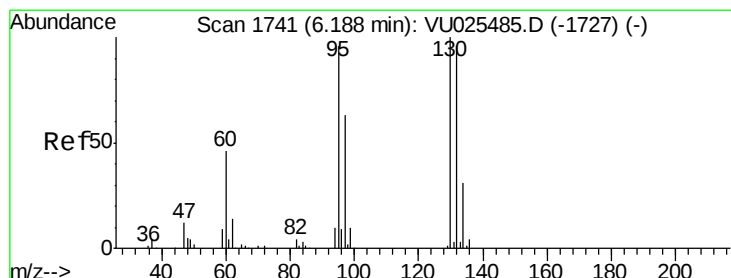
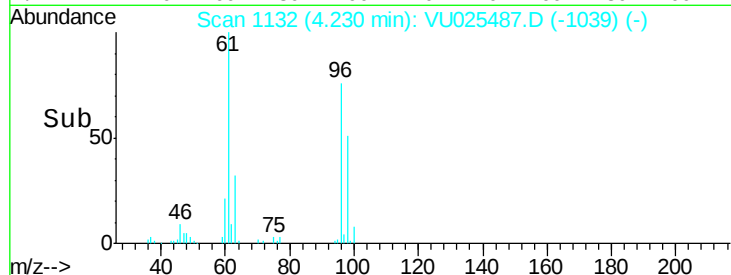
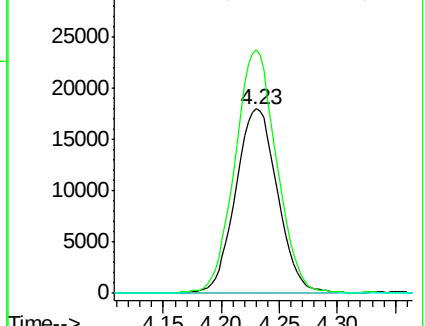
68 0.0 0.0 0.0



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



#34

Trichloroethene

Concen: 22.178 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025487.D

Acq: 18 Jul 2018 10:51

Tgt Ion: 95 Resp: 53725

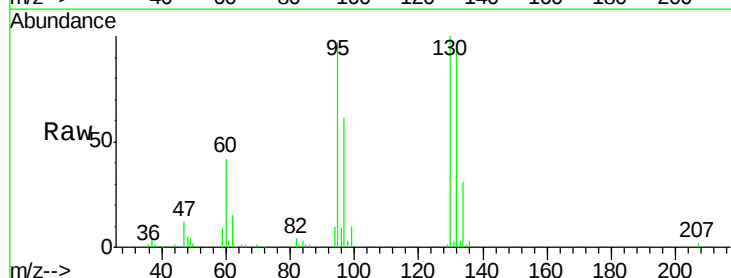
Ion Ratio Lower Upper

95 100

97 63.0 45.9 85.3

132 97.9 68.2 126.6

130 103.6 71.8 133.4

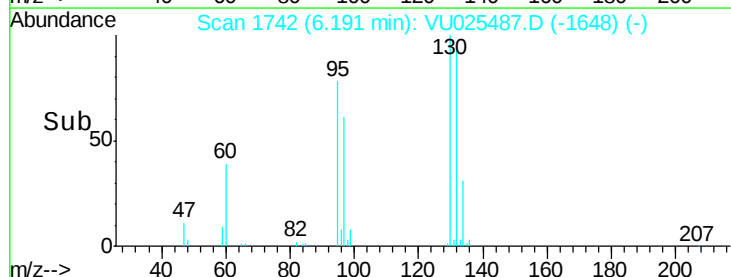
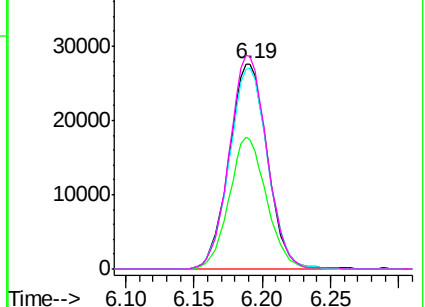


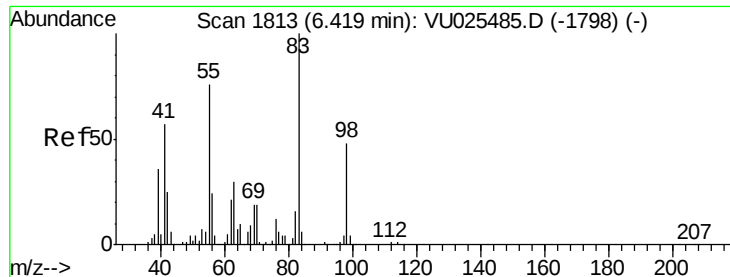
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 7.594 ug/L

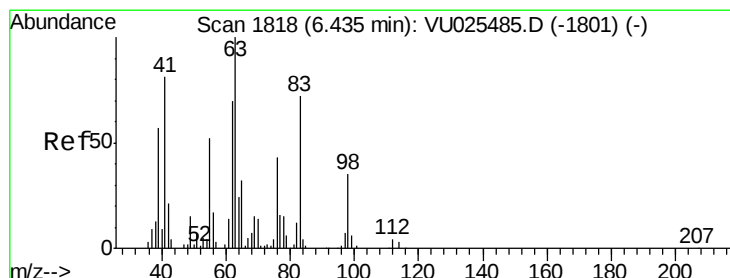
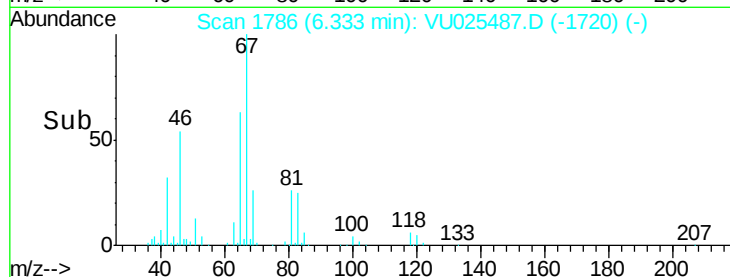
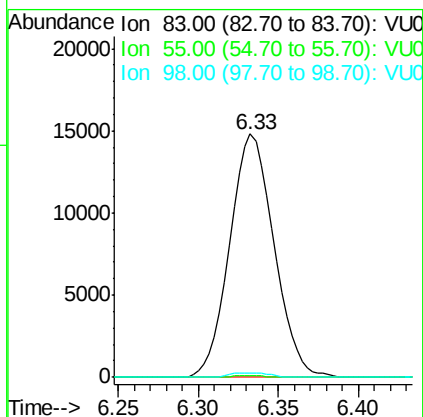
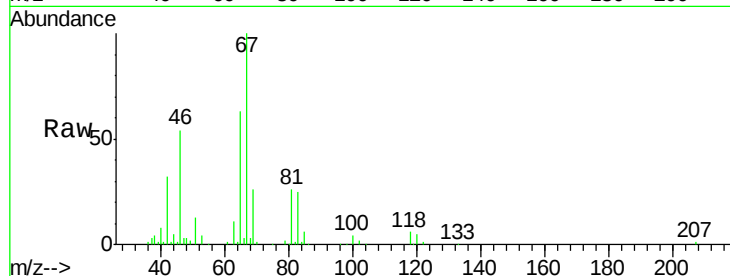
RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU025487.D

Acq: 18 Jul 2018 10:51

Tgt Ion:	83	Resp:	27932
Ion	Ratio	Lower	Upper
83	100		
55	0.2	61.8	92.8#
98	1.6	38.7	58.1#



#37

1,2-Dichloropropane

Concen: 5.297 ug/L

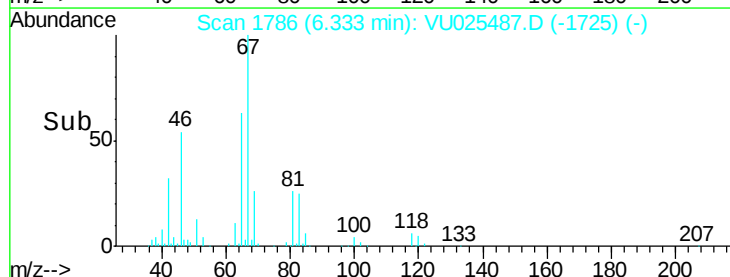
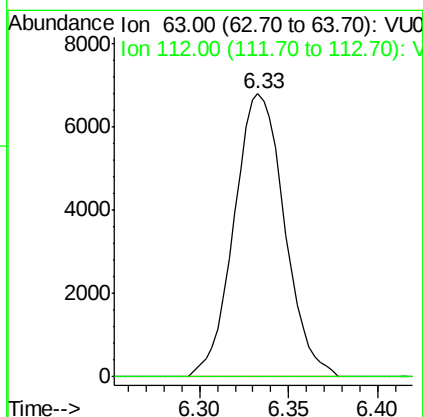
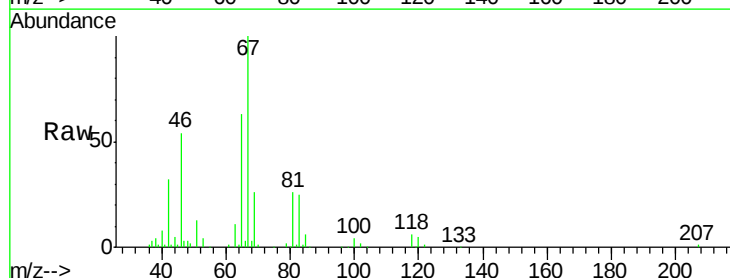
RT: 6.33 min Scan# 1786

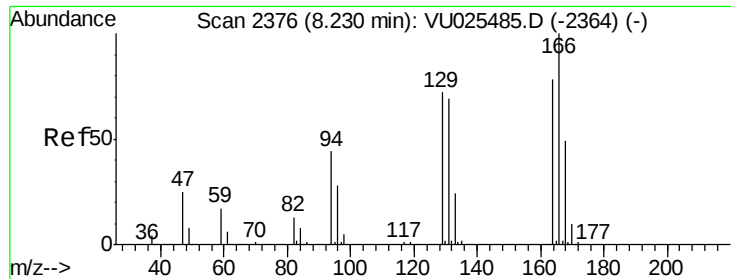
Delta R.T. -0.10 min

Lab File: VU025487.D

Acq: 18 Jul 2018 10:51

Tgt Ion:	63	Resp:	13373
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#





#46

Tetrachloroethene

Concen: 75.671 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025487.D

Acq: 18 Jul 2018 10:51

Tgt Ion:164 Resp: 152922

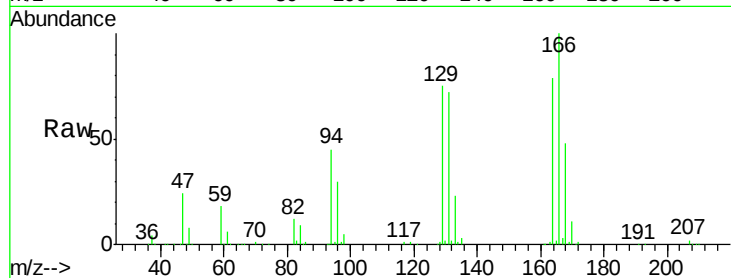
Ion Ratio Lower Upper

164 100

129 94.7 66.5 123.5

131 91.7 63.7 118.3

166 126.7 90.8 168.6



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

