

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071818\
 Data File : VU025488.D
 Acq On : 18 Jul 2018 11:14
 Operator : MD/SY
 Sample : J4024-02DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 19 01:35:06 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	337290	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303463	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	141828	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	71941	45.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.46%
7) Chloroethane-d5	1.68	69	65810	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.14%
11) 1,1-Dichloroethene-d2	2.27	63	117130	33.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.08%
21) 2-Butanone-d5	4.18	46	151310	89.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.40%
24) Chloroform-d	4.65	84	201852	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.84%
26) 1,2-Dichloroethane-d4	5.31	65	129464	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.20%
32) Benzene-d6	5.35	84	357630	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
36) 1,2-Dichloropropane-d6	6.34	67	118504	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.60%
41) Toluene-d8	7.57	98	334663	47.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.30%
43) trans-1,3-Dichloropropene-	7.85	79	57807	45.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.46%
47) 2-Hexanone-d5	8.31	63	107420	85.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	163577	45.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	137639	48.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.86%

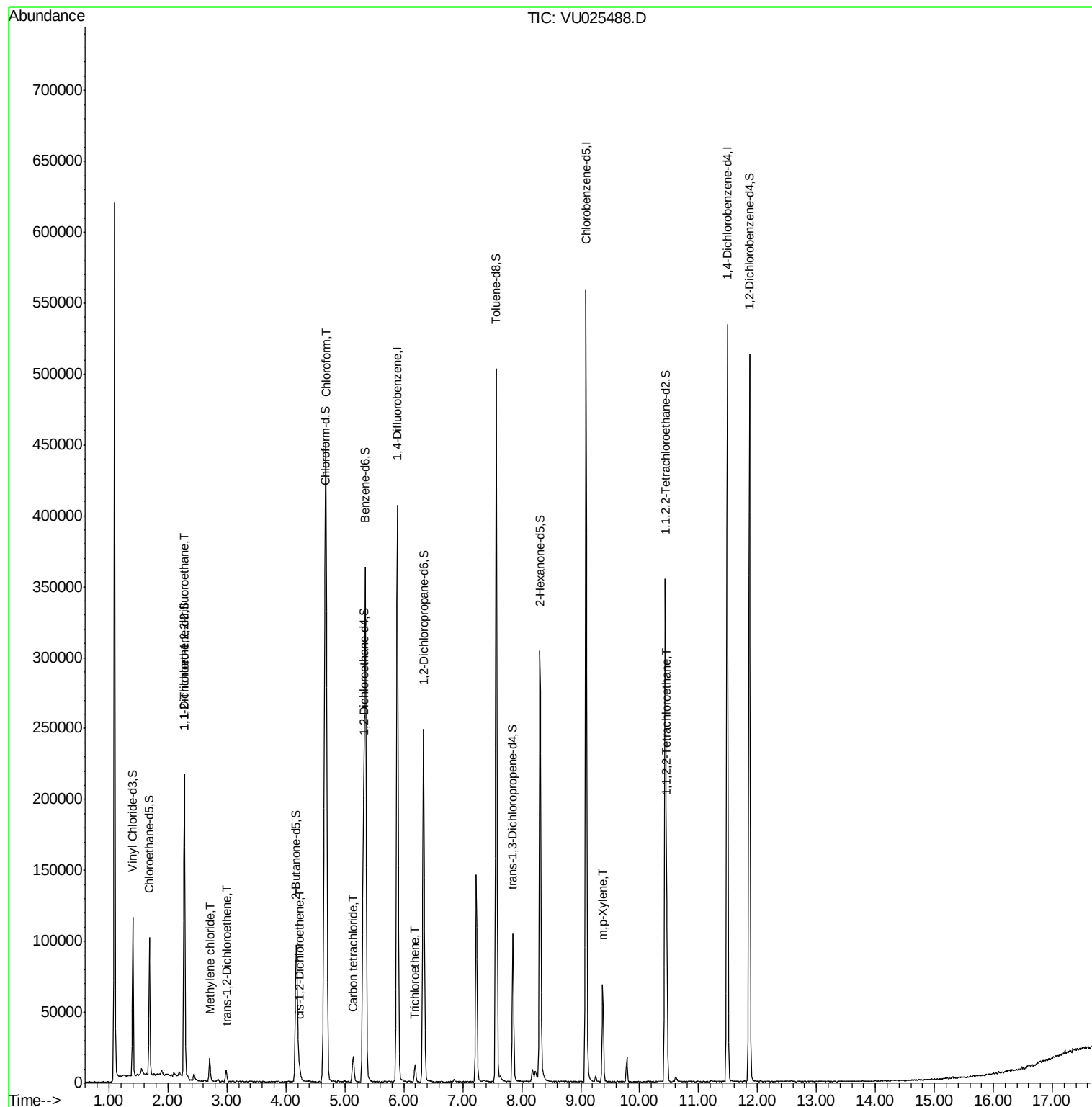
Target Compounds

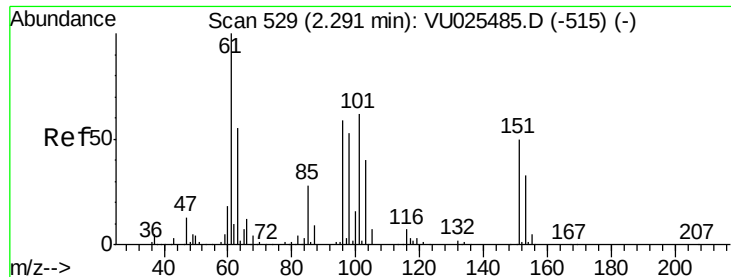
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4038	2.05	ug/L	# 80
16) Methylene chloride	2.71	84	6854	2.87	ug/L	95
17) trans-1,2-Dichloroethene	2.99	96	3390	1.57	ug/L	96
20) cis-1,2-Dichloroethene	4.24	96	3868	1.46	ug/L	80
25) Chloroform	4.68	83	374554	82.40	ug/L	98
31) Carbon tetrachloride	5.14	117	12739	3.59	ug/L	97
34) Trichloroethene	6.19	95	4647	1.96	ug/L	94
53) m,p-Xylene	9.38	106	18809	4.59	ug/L	90
58) 1,1,2,2-Tetrachloroethane	10.46	83	53702	13.28	ug/L	98

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

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#10

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

Concen: 2.05 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025488.D

Acq: 18 Jul 2018 11:14

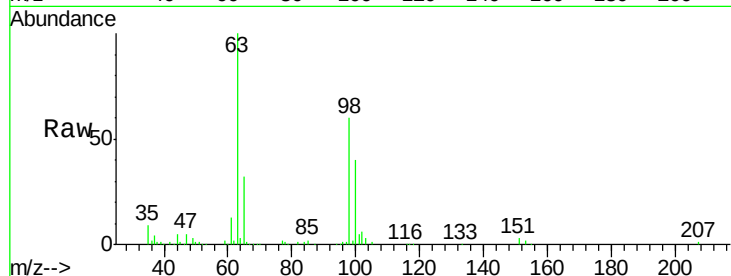
Tot Ion:101 Resp: 4038

Ion Ratio Lower Upper

101 100

85 24.8 35.4 53.2#

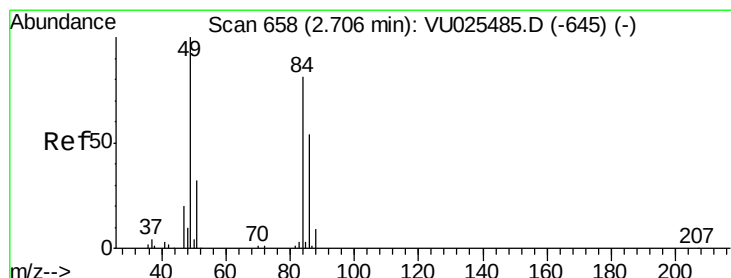
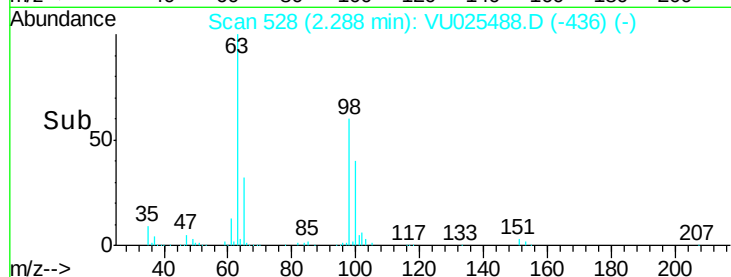
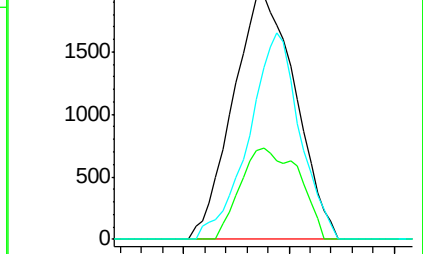
151 68.6 65.0 97.4



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



#16

Methylene chloride

Concen: 2.87 ug/L

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025488.D

Acq: 18 Jul 2018 11:14

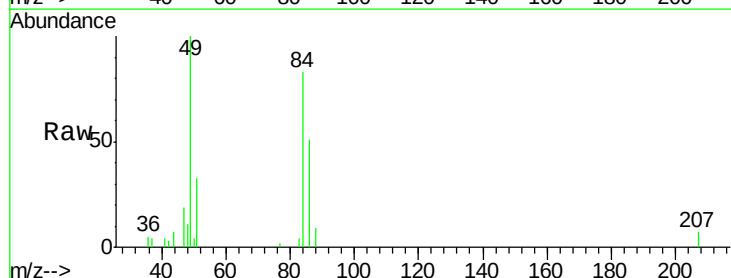
Tgt Ion: 84 Resp: 6854

Ion Ratio Lower Upper

84 100

86 61.5 46.3 85.9

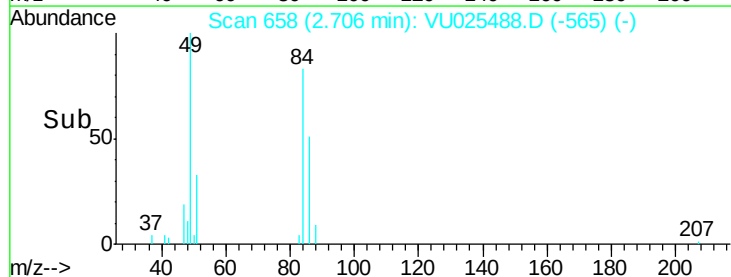
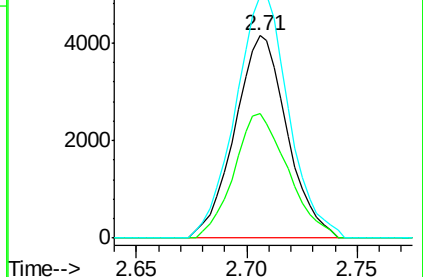
49 120.2 87.9 163.3

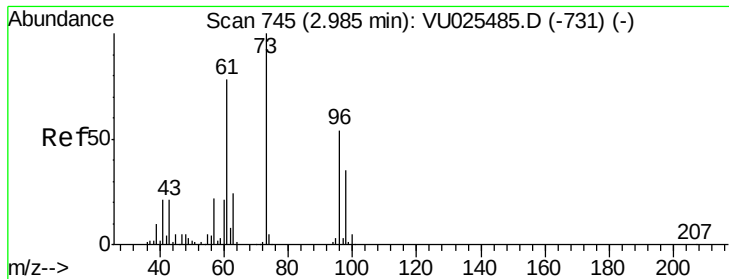


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 1.57 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025488.D

Acq: 18 Jul 2018 11:14

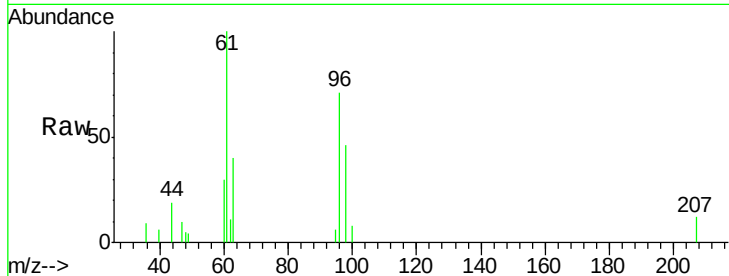
Tot Ion: 96 Resp: 3390

Ion Ratio Lower Upper

96 100

61 140.5 103.6 192.4

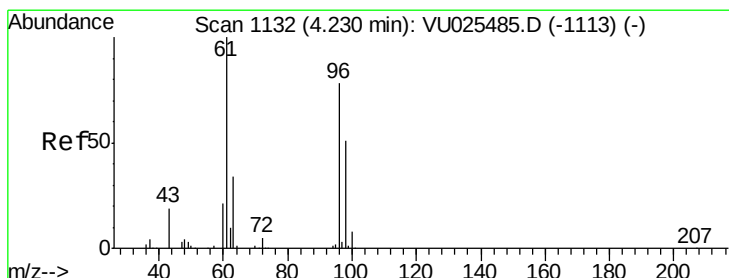
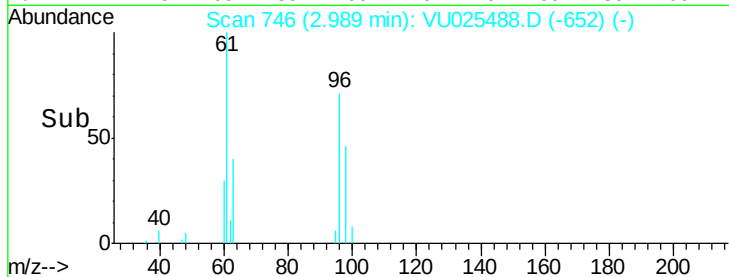
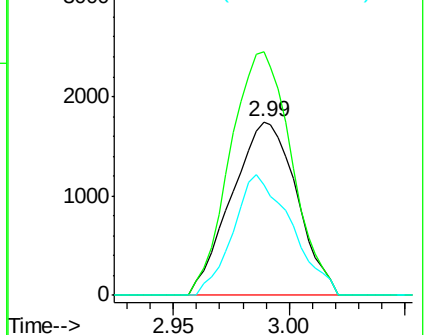
98 64.0 44.8 83.2



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



#20

cis-1,2-Dichloroethene

Concen: 1.46 ug/L

RT: 4.24 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VU025488.D

Acq: 18 Jul 2018 11:14

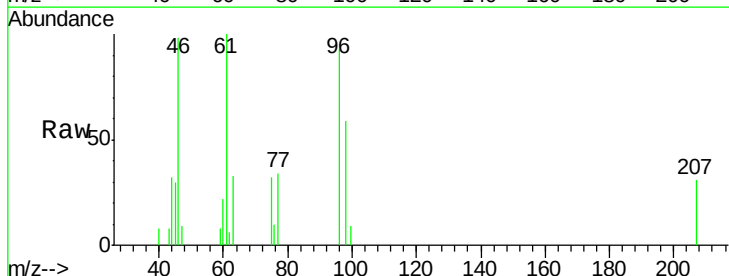
Tgt Ion: 96 Resp: 3868

Ion Ratio Lower Upper

96 100

61 107.4 91.7 170.3

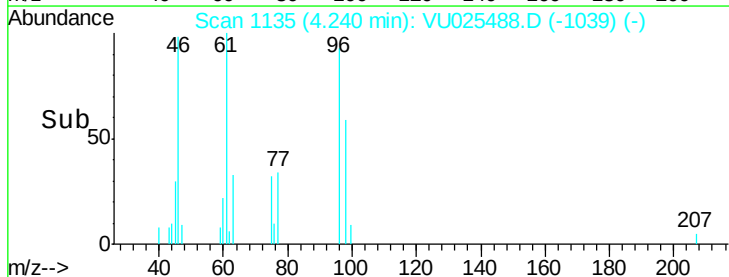
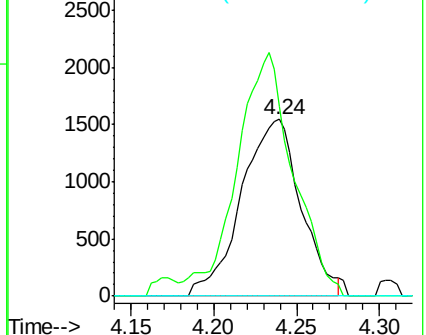
68 0.0 0.0 0.0

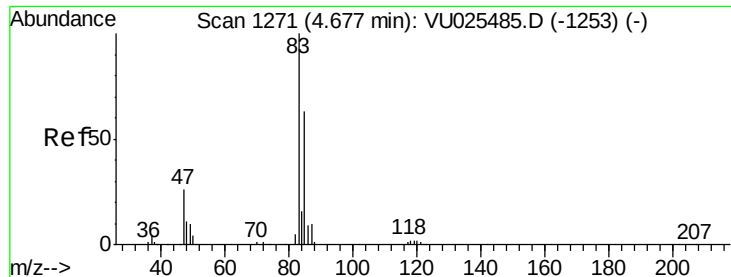


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

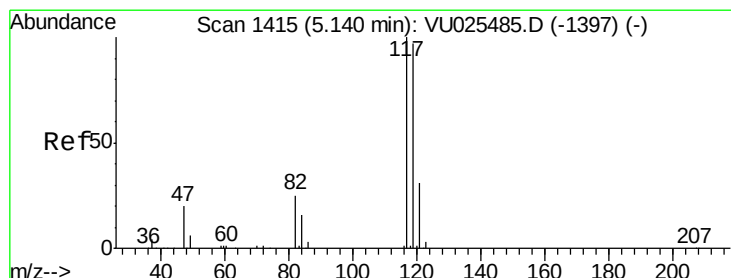
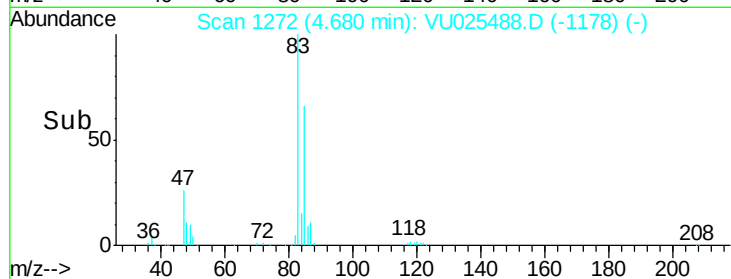
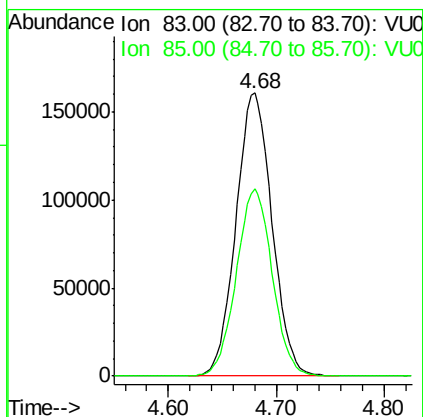
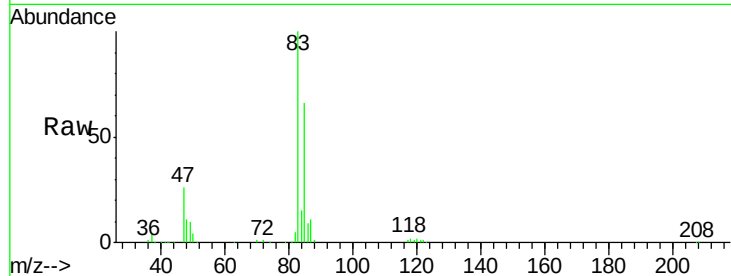
Ion 68.00 (67.70 to 68.70): VU0





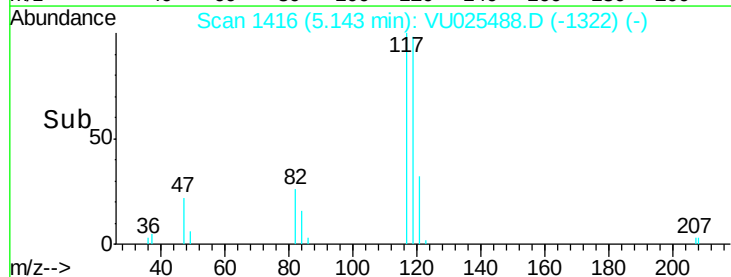
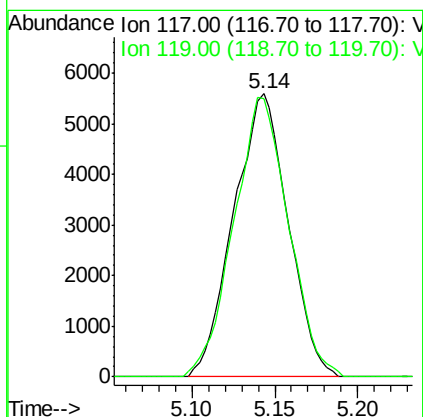
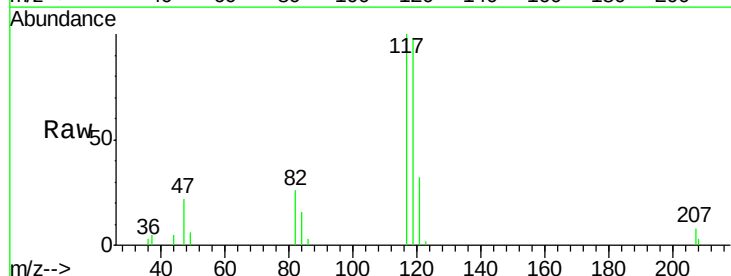
#25
Chloroform
Concen: 82.40 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025488.D
Acq: 18 Jul 2018 11:14

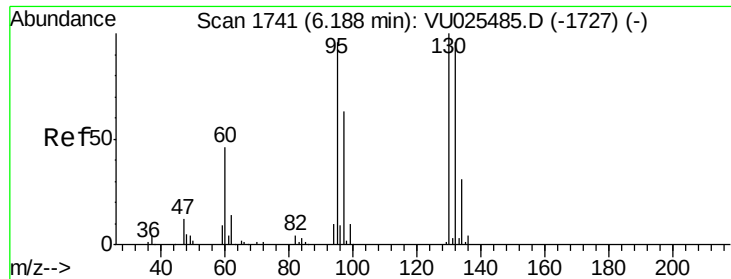
Tot Ion: 83 Resp: 374554
Ion Ratio Lower Upper
83 100
85 66.0 47.2 87.6



#31
Carbon tetrachloride
Concen: 3.59 ug/L
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU025488.D
Acq: 18 Jul 2018 11:14

Tgt Ion: 117 Resp: 12739
Ion Ratio Lower Upper
117 100
119 99.1 77.1 115.7





#34

Trichloroethene

Concen: 1.96 ug/L

RT: 6.19 min Scan# 1743

Delta R.T. 0.01 min

Lab File: VU025488.D

Acq: 18 Jul 2018 11:14

Tot Ion: 95 Resp: 4647

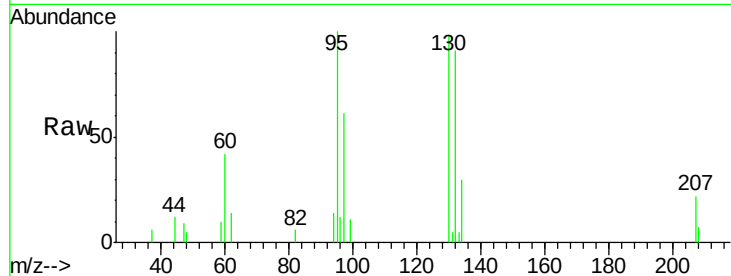
Ion	Ratio	Lower	Upper
95	100		
97	60.8	45.9	85.3
132	90.6	68.2	126.6
130	98.1	71.8	133.4

95 100

97 60.8 45.9 85.3

132 90.6 68.2 126.6

130 98.1 71.8 133.4

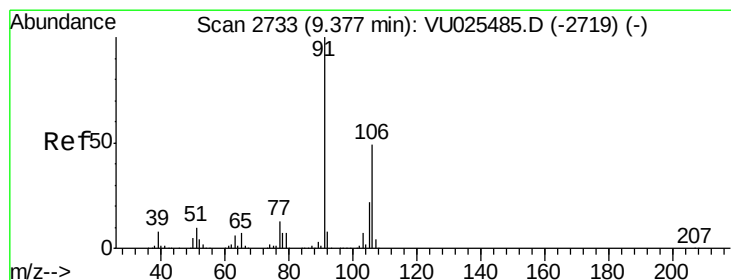
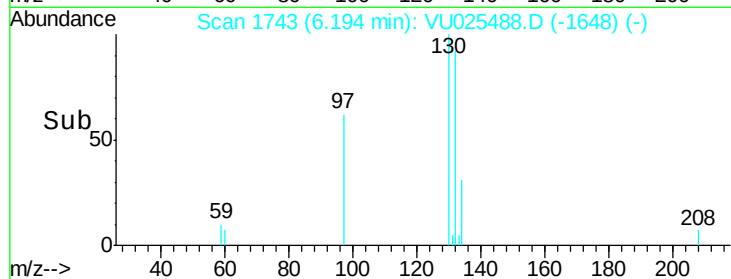
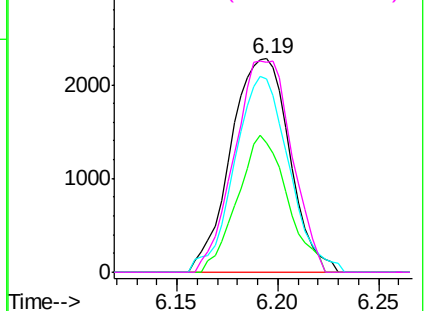


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#53

m,p-Xylene

Concen: 4.59 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025488.D

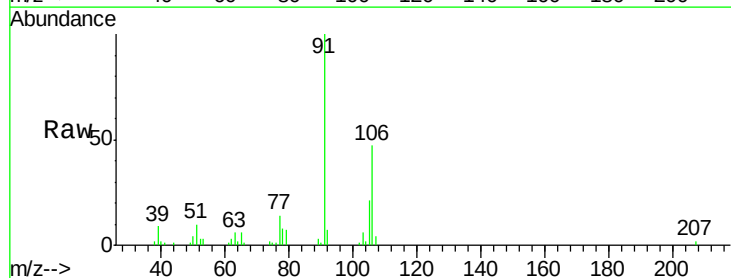
Acq: 18 Jul 2018 11:14

Tgt Ion: 106 Resp: 18809

Ion	Ratio	Lower	Upper
106	100		
91	213.4	138.6	257.4

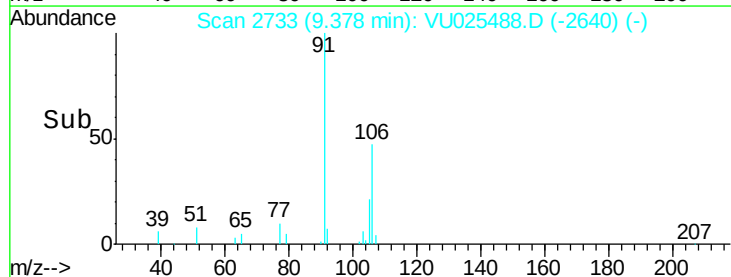
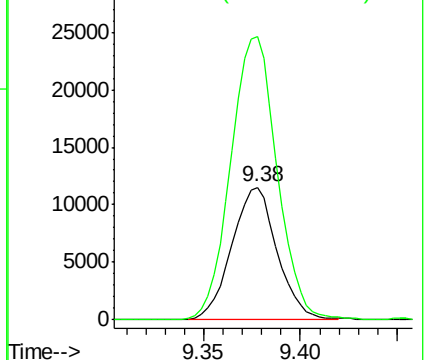
106 100

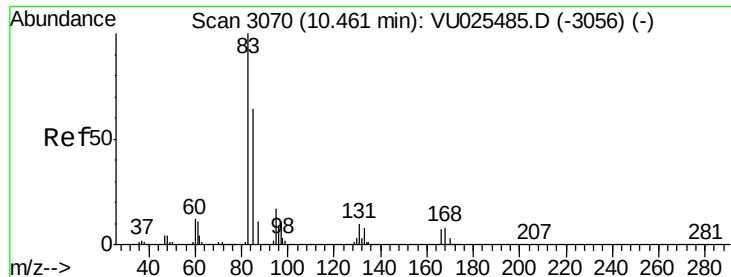
91 213.4 138.6 257.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 13.28 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025488.D

Acq: 18 Jul 2018 11:14

Tot Ion: 83 Resp: 53702

Ion Ratio Lower Upper

83 100

85 65.9 44.9 83.5

131 9.6 8.9 13.3

