

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052718\
 Data File : VU024212.D
 Acq On : 28 May 2018 01:32
 Operator : MD/SY
 Sample : J3091-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Quant Time: May 28 05:17:05 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM052518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 28 05:15:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	301421	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	286132	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	101492	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	100648	43.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.84%
7) Chloroethane-d5	1.67	69	84145	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.48%
11) 1,1-Dichloroethene-d2	2.27	63	141113	33.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.22%
21) 2-Butanone-d5	4.18	46	151488	83.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.16%
24) Chloroform-d	4.65	84	182233	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.76%
26) 1,2-Dichloroethane-d4	5.31	65	121226	46.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.20%
32) Benzene-d6	5.35	84	371418	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.33	67	128484	47.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.68%
41) Toluene-d8	7.57	98	323102	44.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.06%
43) trans-1,3-Dichloropropene-	7.85	79	45190	41.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.74%
47) 2-Hexanone-d5	8.31	63	101141	78.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.11%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	167697	42.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.72%
64) 1,2-Dichlorobenzene-d4	11.87	152	111724	50.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.42%

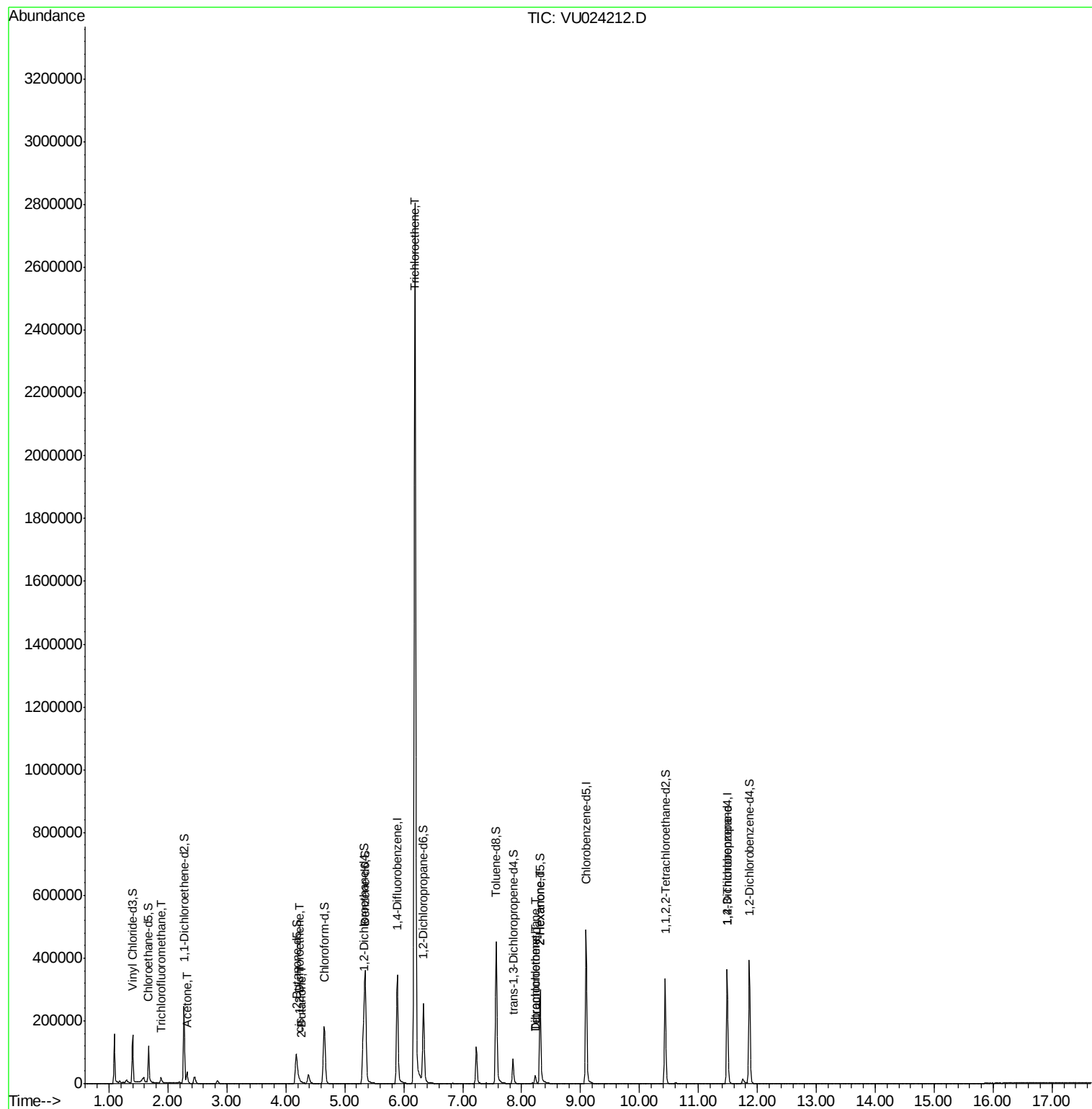
Target Compounds

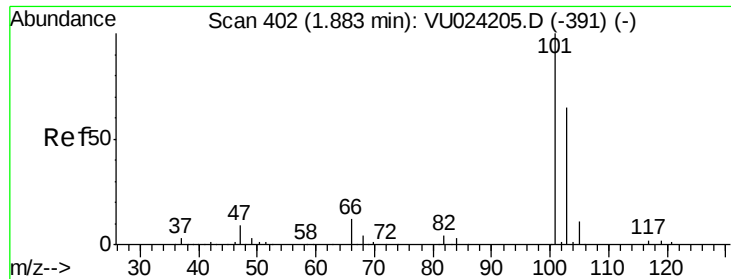
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Trichlorofluoromethane	1.88	101	7885	2.16	ug/L	100
13) Acetone	2.32	43	35523	22.37	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	4798	1.98	ug/L	86
22) 2-Butanone	4.27	43	4321	2.08	ug/L	80
34) Trichloroethene	6.19	95	1006112	376.02	ug/L	99
46) Tetrachloroethene	8.23	164	6687	3.57	ug/L	96
48) 2-Hexanone	8.31	43	11863	4.15	ug/L #	68
49) Dibromochloromethane	8.23	129	6486	2.60	ug/L #	11
59) 1,2,3-Trichloropropane	11.49	75	11804	3.53	ug/L	89

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

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Quant Title : VOC Analysis
QLast Update : Mon May 28 05:15:39 2018
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 2.16 ug/L

RT: 1.88 min Scan# 402

Delta R.T. 0.00 min

Lab File: VU024212.D

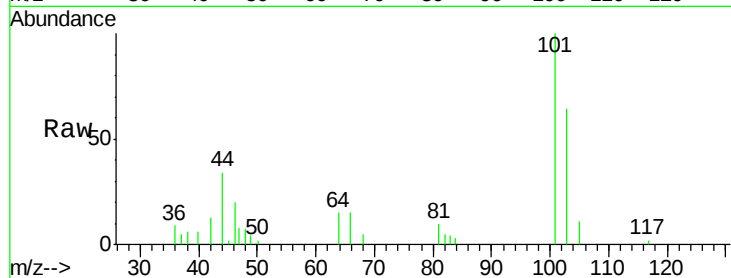
Acq: 28 May 2018 01:32

Tgt Ion: 101 Resp: 7885

Ion Ratio Lower Upper

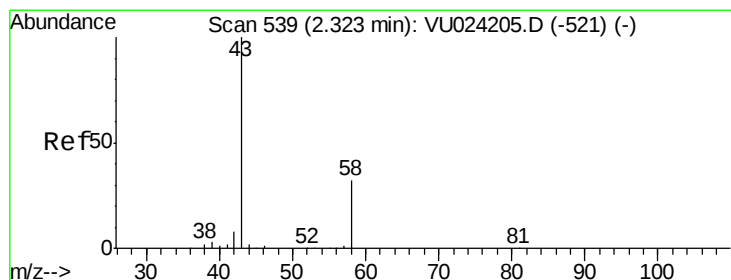
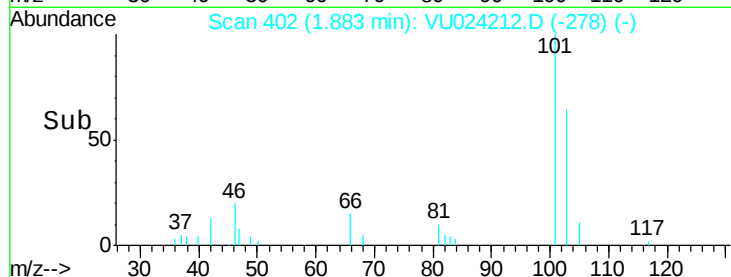
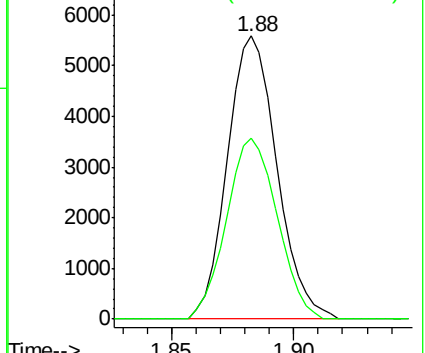
101 100

103 65.3 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Acetone

Concen: 22.37 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024212.D

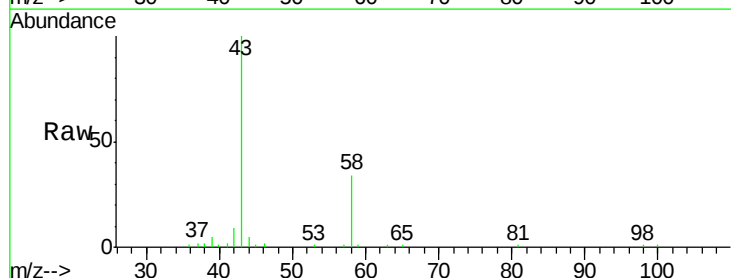
Acq: 28 May 2018 01:32

Tgt Ion: 43 Resp: 35523

Ion Ratio Lower Upper

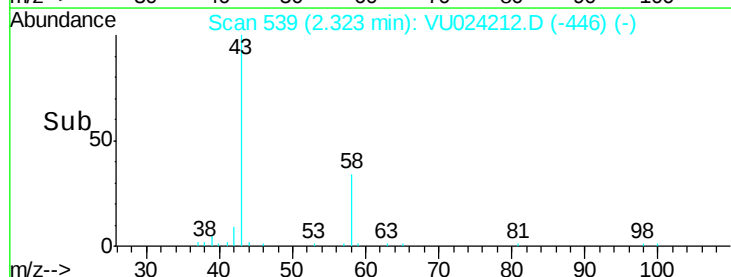
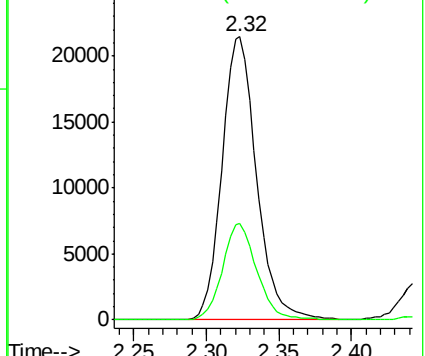
43 100

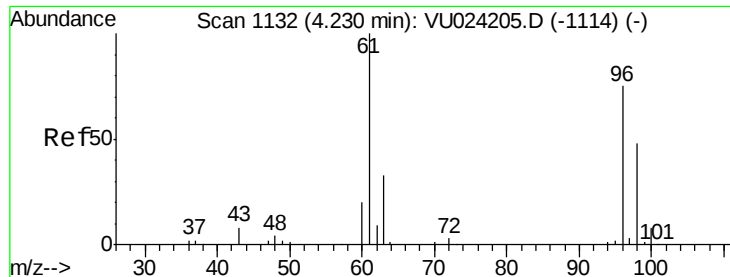
58 33.5 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

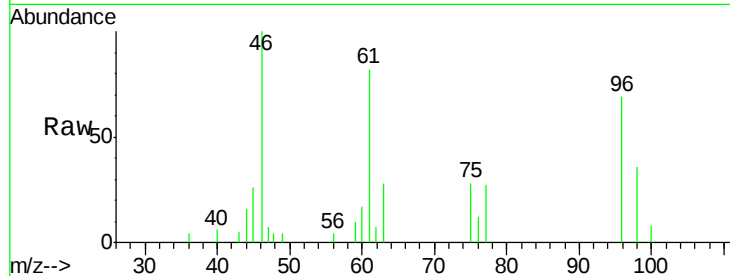




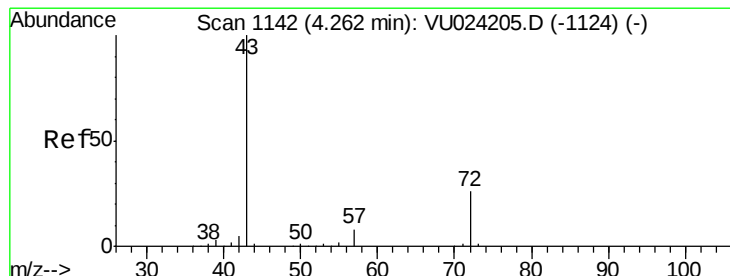
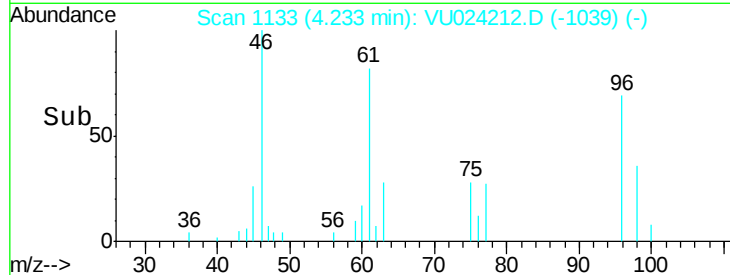
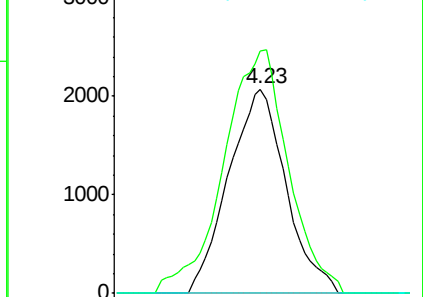
#20
 cis-1,2-Dichloroethene
 Concen: 1.98 ug/L
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024212.D
 Acq: 28 May 2018 01:32

Tgt Ion: 96 Resp: 4798

Ion	Ratio	Lower	Upper
96	100		
61	118.7	94.8	176.0
68	0.0	0.0	0.0



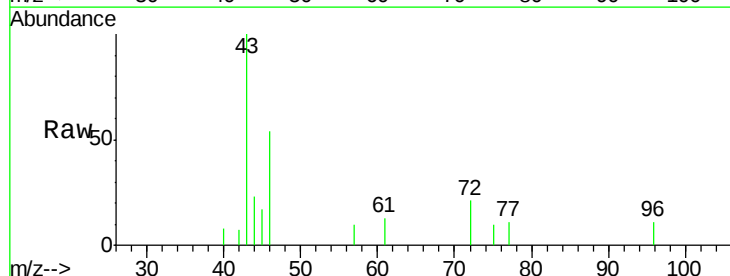
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



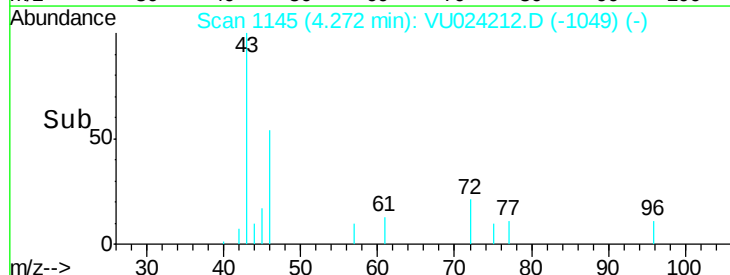
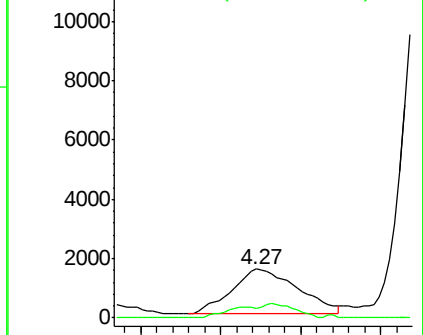
#22
 2-Butanone
 Concen: 2.08 ug/L
 RT: 4.27 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VU024212.D
 Acq: 28 May 2018 01:32

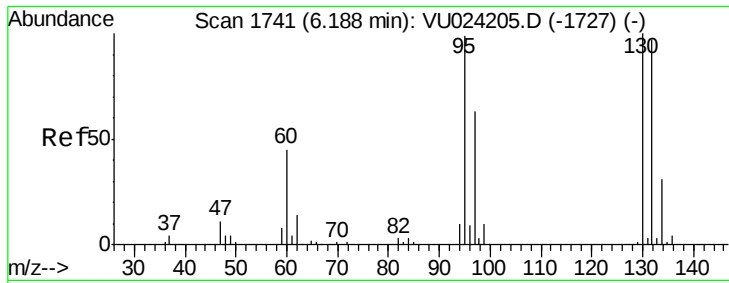
Tgt Ion: 43 Resp: 4321

Ion	Ratio	Lower	Upper
43	100		
72	16.3	13.4	40.1



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0





#34

Trichloroethene

Concen: 376.02 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU024212.D

Acq: 28 May 2018 01:32

Tgt Ion: 95 Resp: 1006112

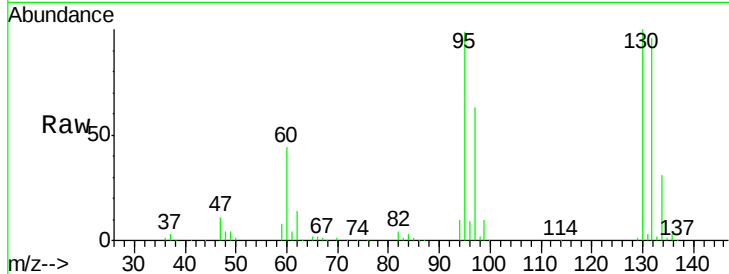
Ion Ratio Lower Upper

95 100

97 64.2 44.5 82.7

132 97.2 69.0 128.2

130 101.1 70.6 131.0

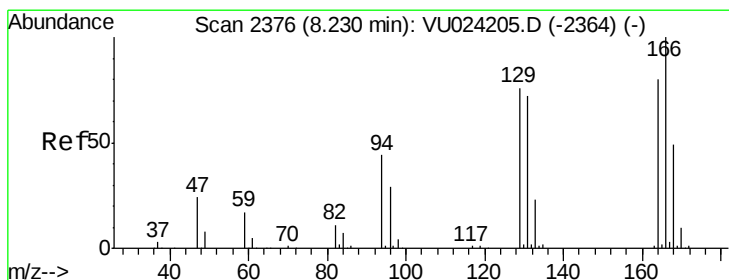
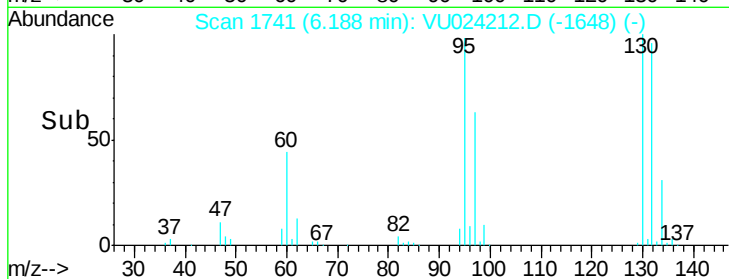
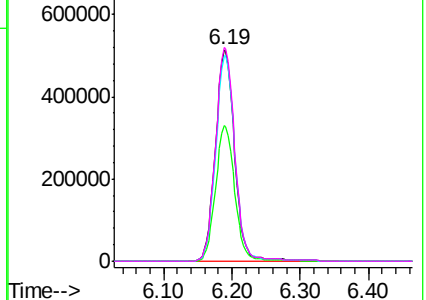


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#46

Tetrachloroethene

Concen: 3.57 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024212.D

Acq: 28 May 2018 01:32

Tgt Ion: 164 Resp: 6687

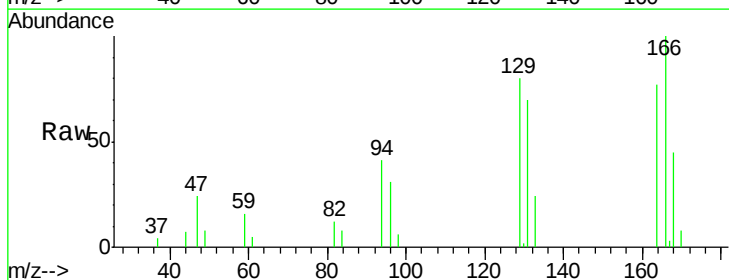
Ion Ratio Lower Upper

164 100

129 104.0 66.6 123.6

131 90.9 64.5 119.9

166 129.5 89.3 165.9

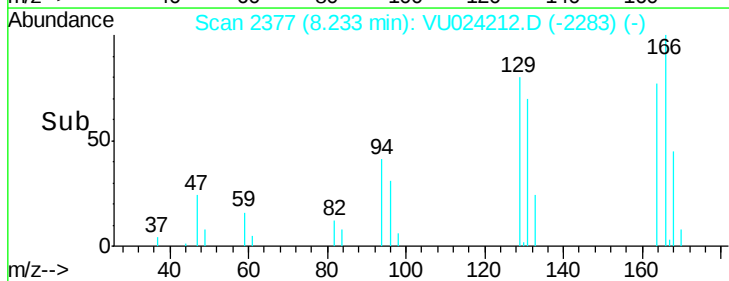
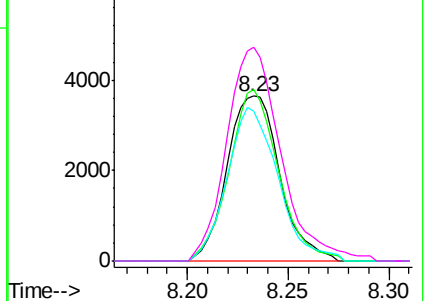


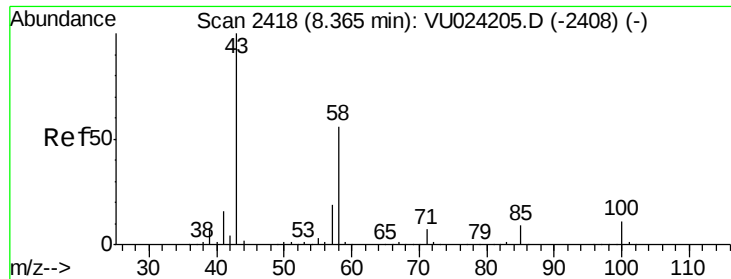
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

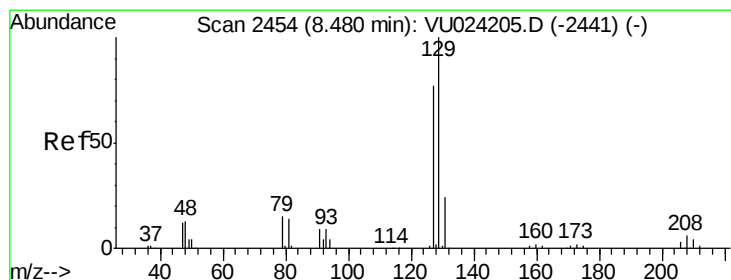
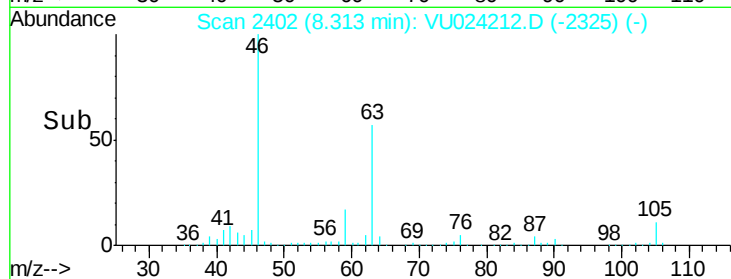
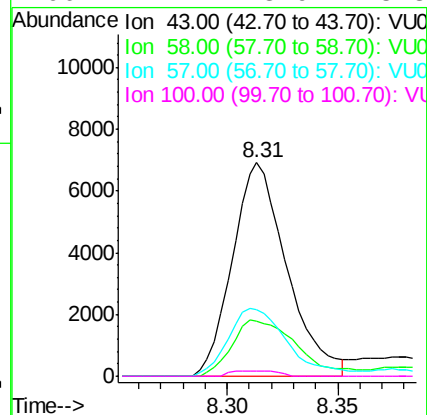
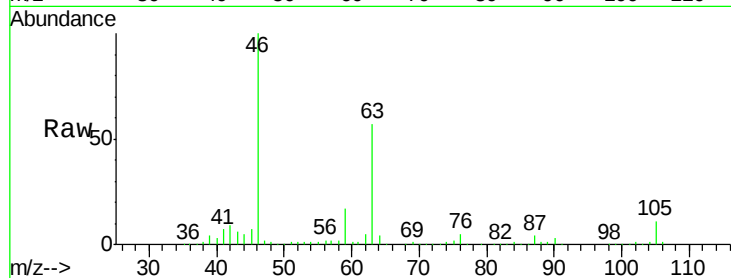
Ion 166.00 (165.70 to 166.70): V





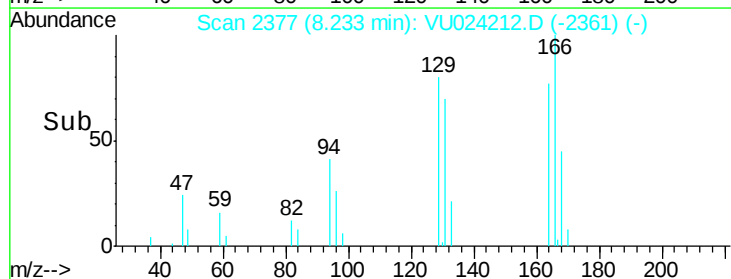
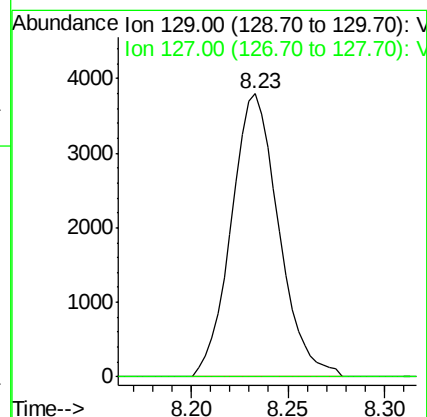
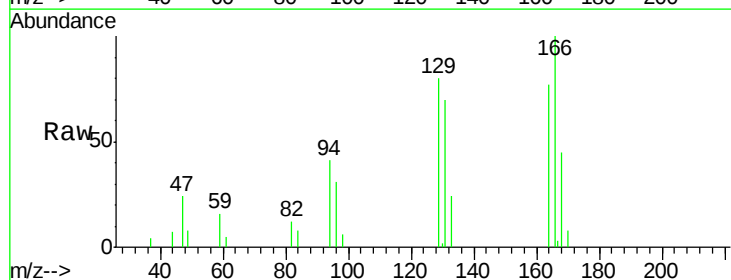
#48
2-Hexanone
Concen: 4.15 ug/L
RT: 8.31 min Scan# 2402
Delta R.T. -0.05 min
Lab File: VU024212.D
Acq: 28 May 2018 01:32

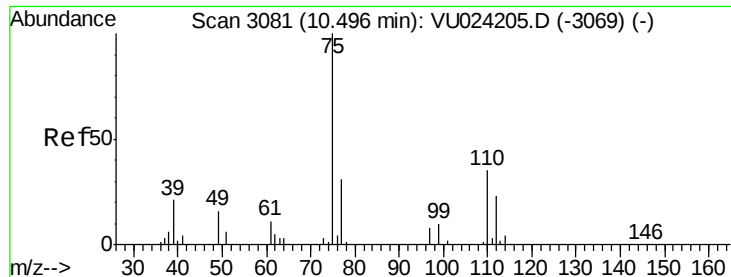
Tgt Ion:	43	Resp:	11863
Ion	Ratio	Lower	Upper
43	100		
58	31.8	44.6	67.0#
57	35.1	15.3	22.9#
100	2.2	8.9	13.3#



#49
Dibromochloromethane
Concen: 2.60 ug/L
RT: 8.23 min Scan# 2377
Delta R.T. -0.25 min
Lab File: VU024212.D
Acq: 28 May 2018 01:32

Tgt Ion:	129	Resp:	6486
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.2	100.6#





#59

1,2,3-Trichloropropane

Concen: 3.53 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU024212.D

Acq: 28 May 2018 01:32

Tgt Ion: 75 Resp: 11804

Ion Ratio Lower Upper

75 100

77 38.1 25.5 38.3

