

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071818\
 Data File : VU025500.D
 Acq On : 18 Jul 2018 16:24
 Operator : MD/SY
 Sample : J3984-13DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 19 01:09:33 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	327078	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	297189	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	147017	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62812	40.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.44%
7) Chloroethane-d5	1.68	69	59428	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.44%
11) 1,1-Dichloroethene-d2	2.27	63	111797	33.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.02%
21) 2-Butanone-d5	4.18	46	177353	108.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.06%
24) Chloroform-d	4.65	84	177285	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.62%
26) 1,2-Dichloroethane-d4	5.31	65	125430	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
32) Benzene-d6	5.35	84	336194	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.62%
36) 1,2-Dichloropropane-d6	6.33	67	113033	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.06%
41) Toluene-d8	7.57	98	313438	45.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.18%
43) trans-1,3-Dichloropropene-	7.85	79	54604	44.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.20%
47) 2-Hexanone-d5	8.31	63	133670	108.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.41%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	170775	48.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	134016	45.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.98%

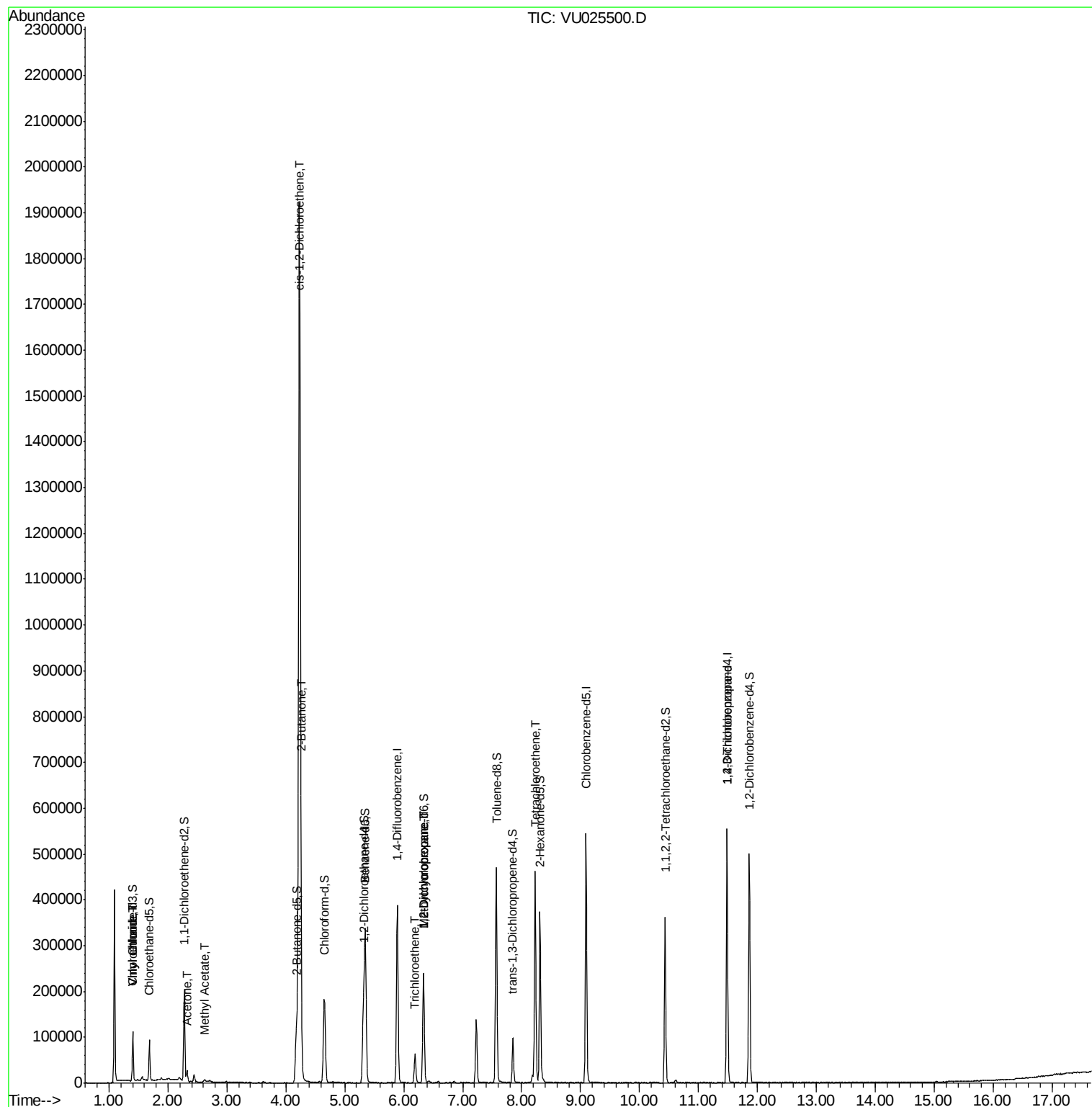
Target Compounds

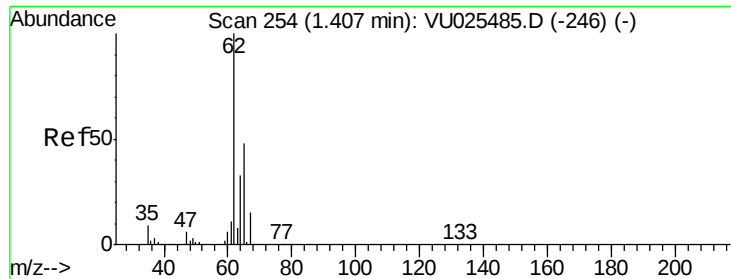
					Qvalue
5) Vinyl chloride	1.41	62	8208	3.428 ug/L #	82
8) Chloroethane	1.41	64	3437	2.399 ug/L	100
13) Acetone	2.32	43	24674	17.215 ug/L	98
15) Methyl Acetate	2.62	43	4742	1.790 ug/L #	72
20) cis-1,2-Dichloroethene	4.23	96	1071756	417.451 ug/L	99
22) 2-Butanone	4.27	43	25460	12.905 ug/L #	20
34) Trichloroethene	6.19	95	21742	9.342 ug/L	96
35) Methylcyclohexane	6.33	83	26708	7.558 ug/L #	19
37) 1,2-Dichloropropane	6.33	63	12347	5.091 ug/L #	88
46) Tetrachloroethene	8.23	164	102614	52.851 ug/L	97
59) 1,2,3-Trichloropropane	11.49	75	15497	4.805 ug/L #	82

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

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#5

Vinyl chloride

Concen: 3.428 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025500.D

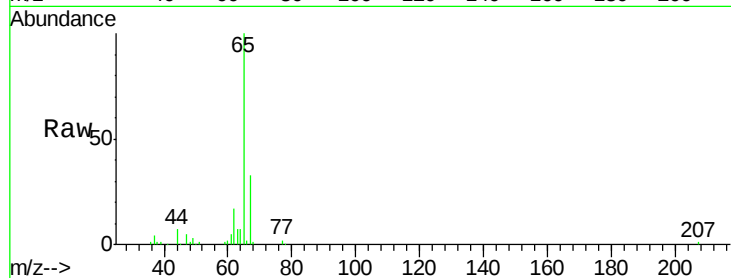
Acq: 18 Jul 2018 16:24

Tgt Ion: 62 Resp: 8208

Ion Ratio Lower Upper

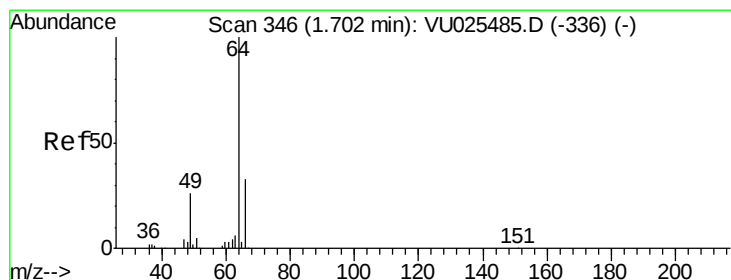
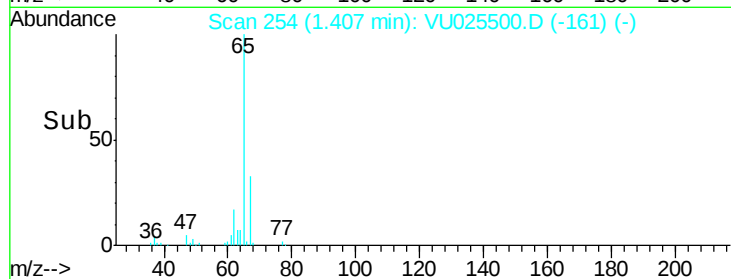
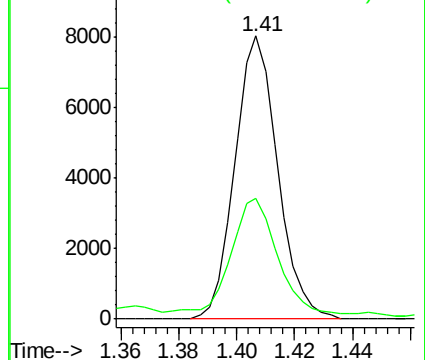
62 100

64 42.6 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: 2.399 ug/L

RT: 1.41 min Scan# 254

Delta R.T. -0.30 min

Lab File: VU025500.D

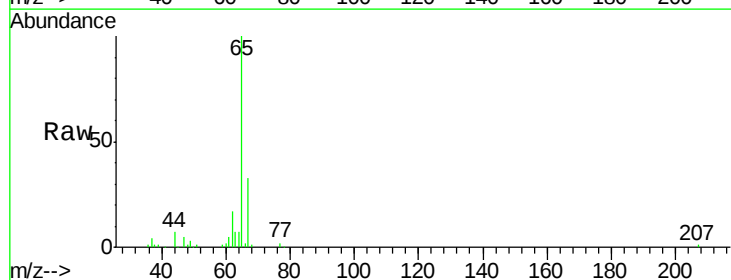
Acq: 18 Jul 2018 16:24

Tgt Ion: 64 Resp: 3437

Ion Ratio Lower Upper

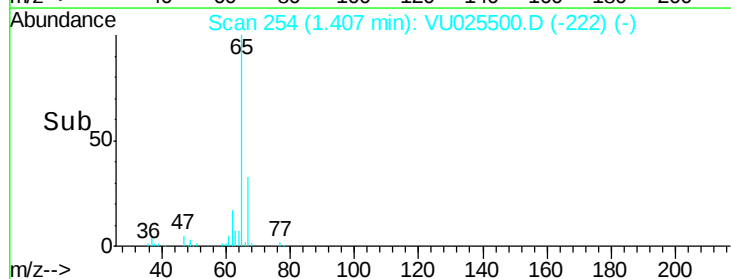
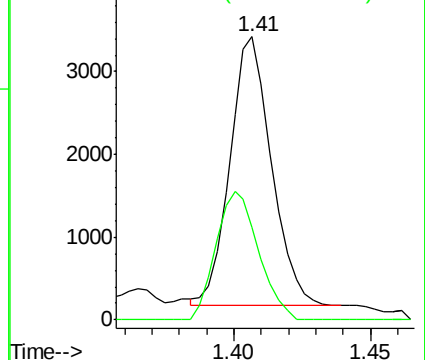
64 100

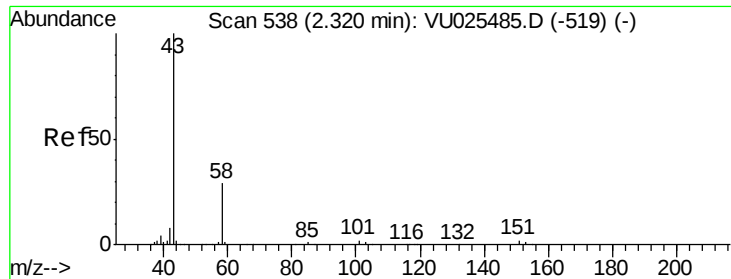
66 32.8 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#13

Acetone

Concen: 17.215 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025500.D

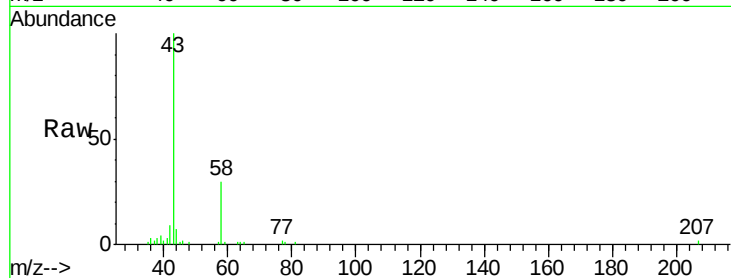
Acq: 18 Jul 2018 16:24

Tgt Ion: 43 Resp: 24674

Ion Ratio Lower Upper

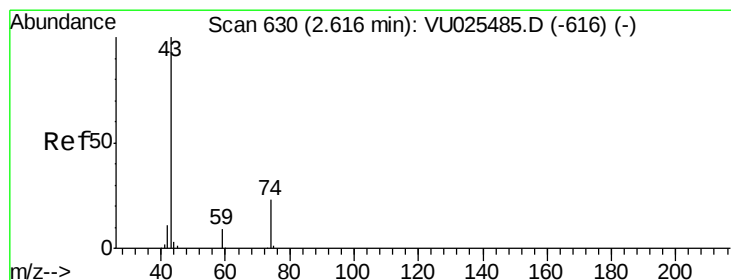
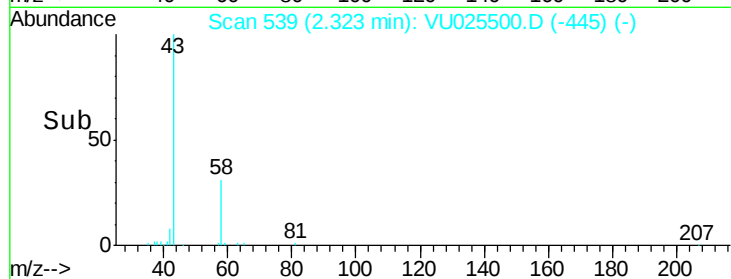
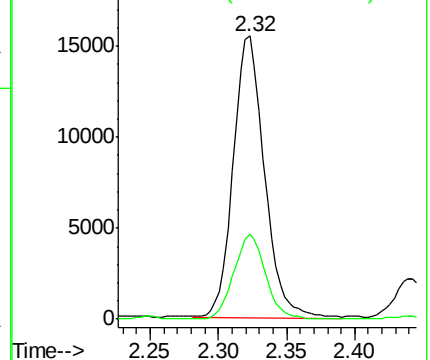
43 100

58 30.4 0.0 59.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#15

Methyl Acetate

Concen: 1.790 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025500.D

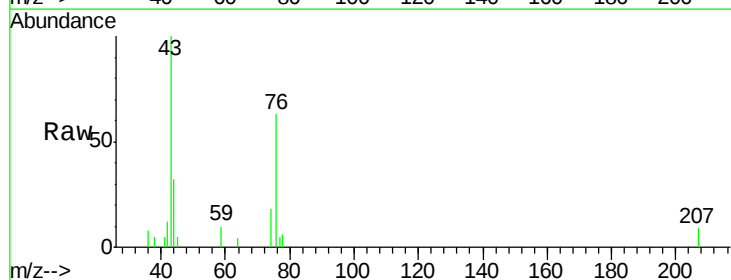
Acq: 18 Jul 2018 16:24

Tgt Ion: 43 Resp: 4742

Ion Ratio Lower Upper

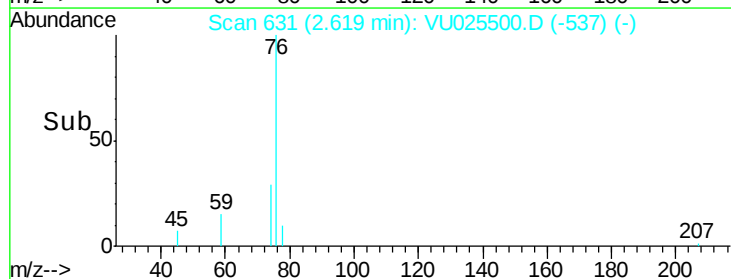
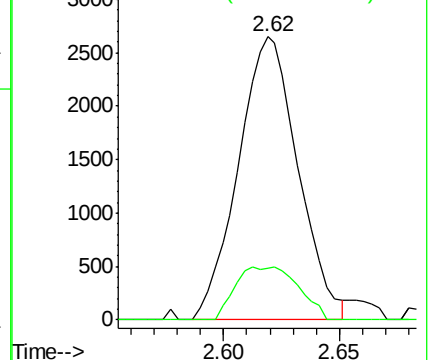
43 100

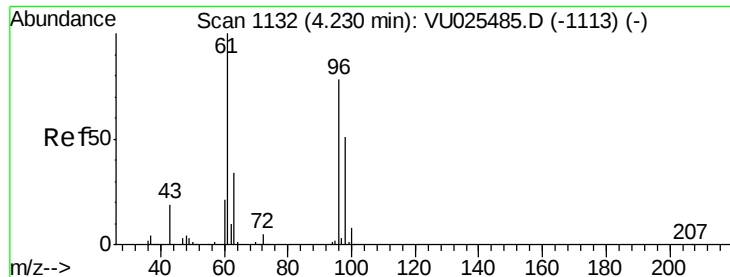
74 8.6 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

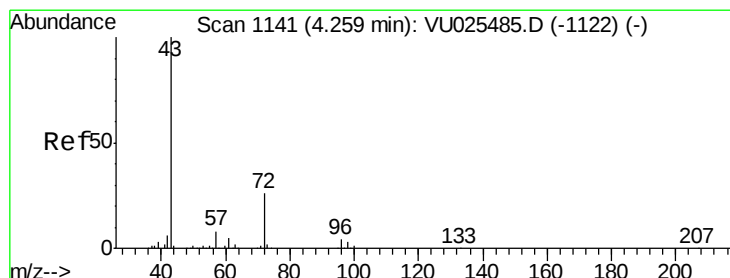
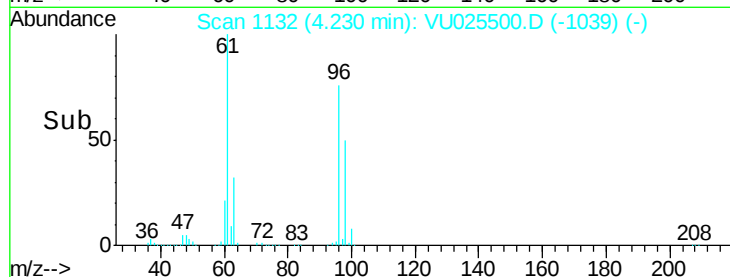
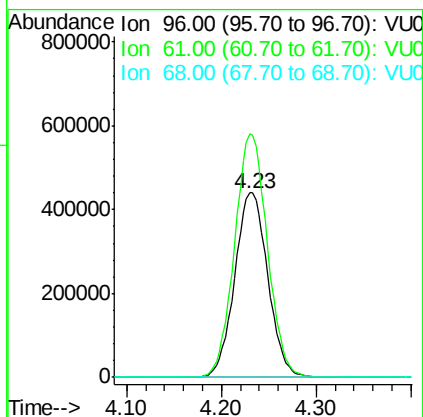
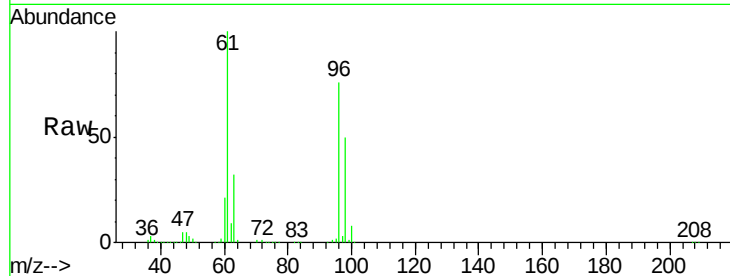
Ion 74.00 (73.70 to 74.70): VU0





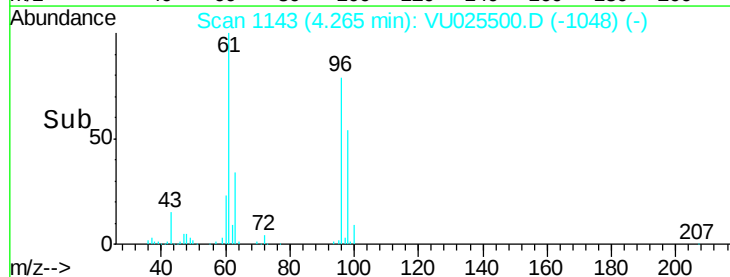
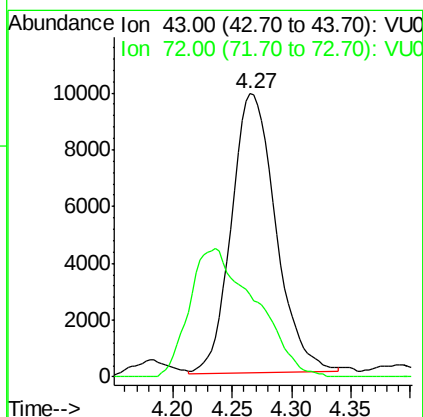
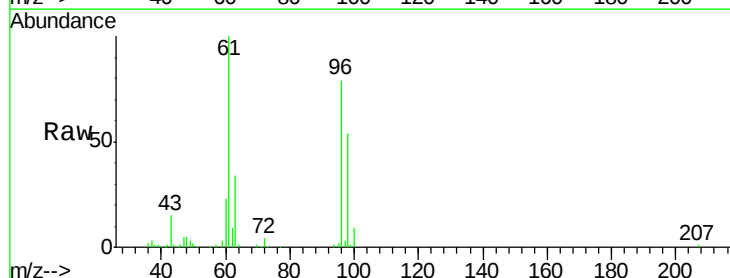
#20
 cis-1,2-Dichloroethene
 Concen: 417.451 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025500.D
 Acq: 18 Jul 2018 16:24

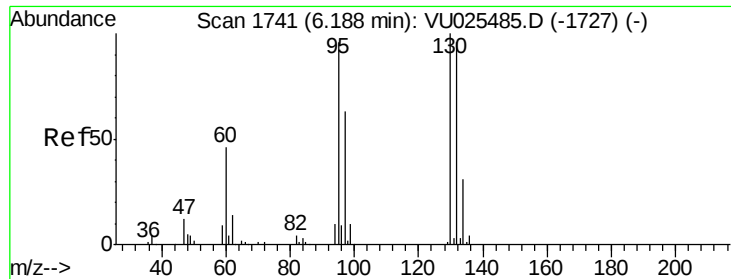
Tgt Ion: 96 Resp: 1071756
 Ion Ratio Lower Upper
 96 100
 61 131.9 91.7 170.3
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 12.905 ug/L
 RT: 4.27 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VU025500.D
 Acq: 18 Jul 2018 16:24

Tgt Ion: 43 Resp: 25460
 Ion Ratio Lower Upper
 43 100
 72 68.1 13.4 40.2#





#34

Trichloroethene

Concen: 9.342 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025500.D

Acq: 18 Jul 2018 16:24

Tgt Ion: 95 Resp: 21742

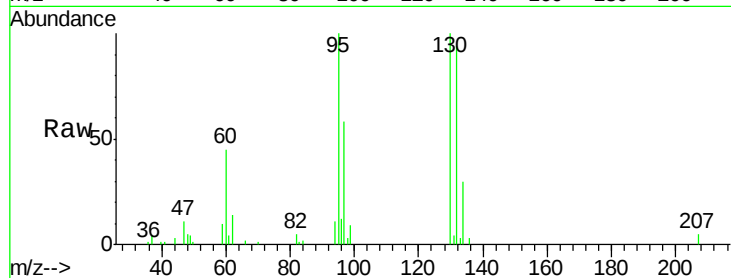
Ion Ratio Lower Upper

95 100

97 58.2 45.9 85.3

132 94.1 68.2 126.6

130 100.4 71.8 133.4

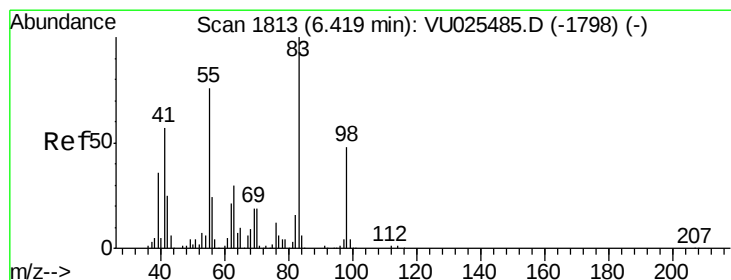
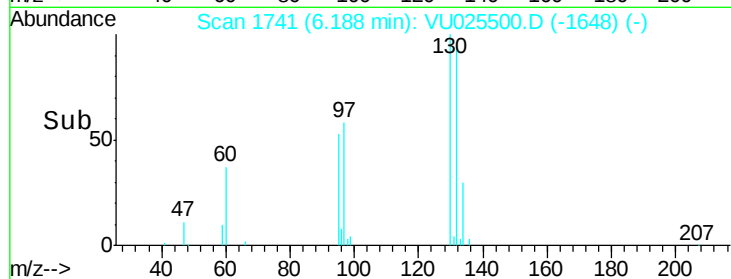
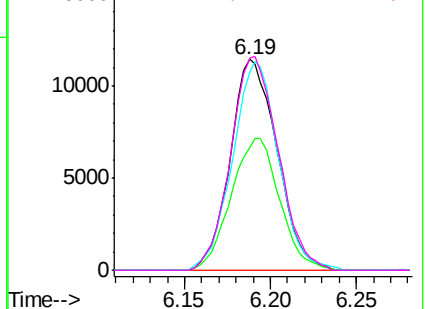


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 7.558 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU025500.D

Acq: 18 Jul 2018 16:24

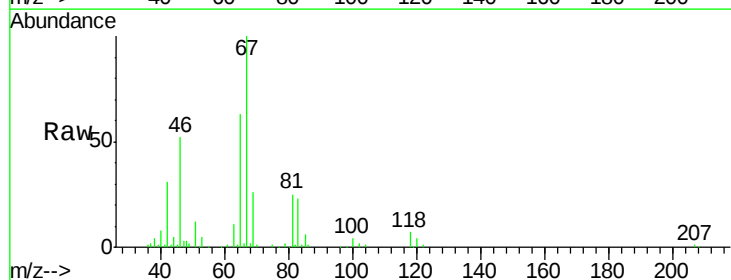
Tgt Ion: 83 Resp: 26708

Ion Ratio Lower Upper

83 100

55 0.7 61.8 92.8#

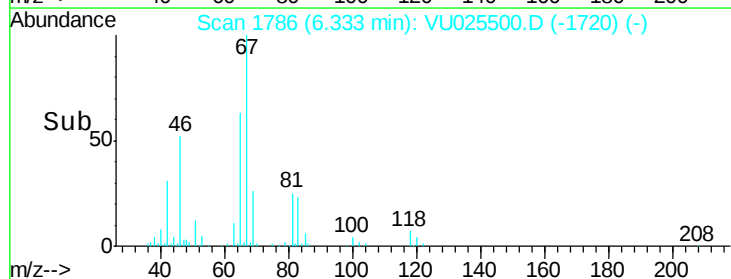
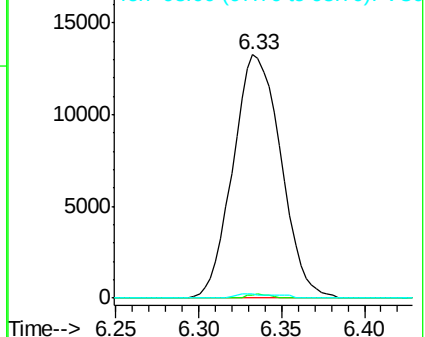
98 0.9 38.7 58.1#

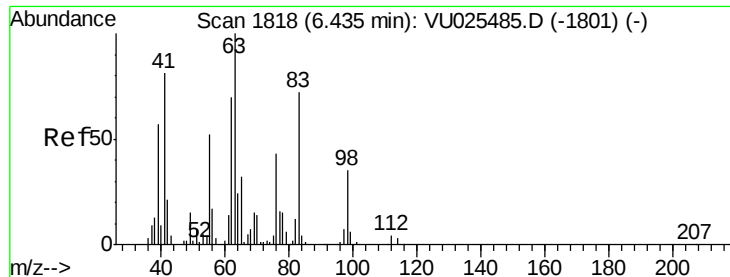


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 5.091 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU025500.D

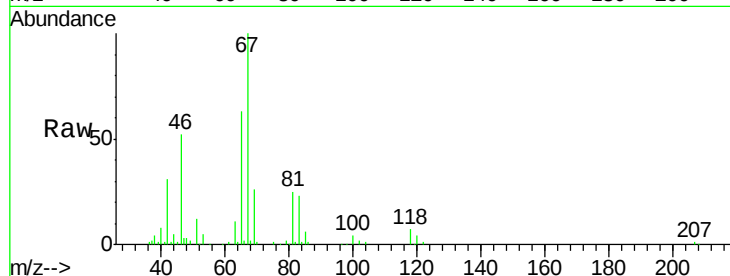
Acq: 18 Jul 2018 16:24

Tgt Ion: 63 Resp: 12347

Ion Ratio Lower Upper

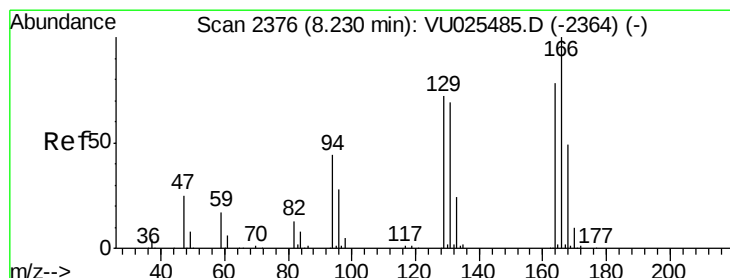
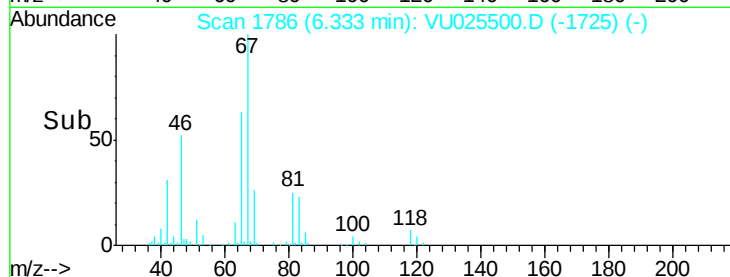
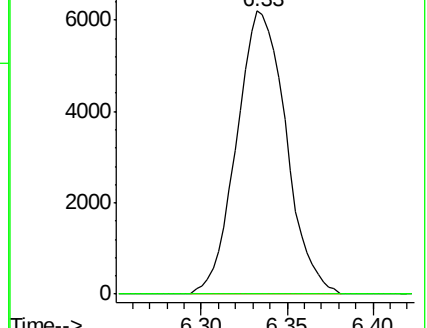
63 100

112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU025500.D (-1786) (-)

Ion 112.00 (111.70 to 112.70): VU025500.D (-1786) (-)



#46

Tetrachloroethene

Concen: 52.851 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025500.D

Acq: 18 Jul 2018 16:24

Tgt Ion: 164 Resp: 102614

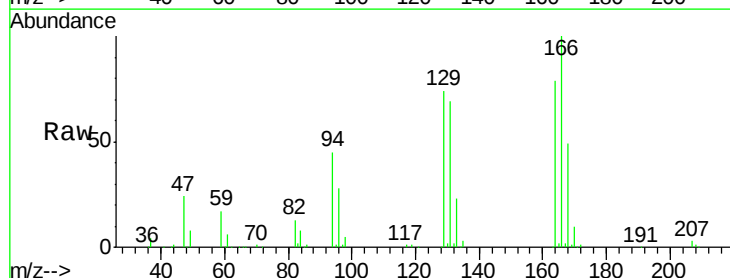
Ion Ratio Lower Upper

164 100

129 92.8 66.5 123.5

131 87.1 63.7 118.3

166 126.0 90.8 168.6

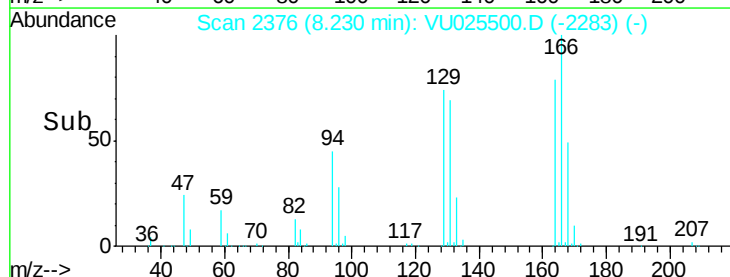
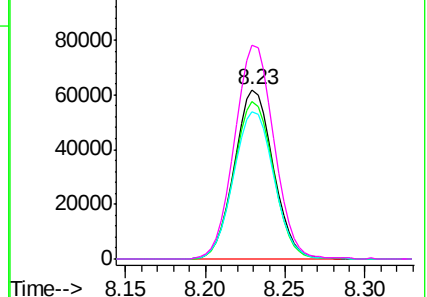


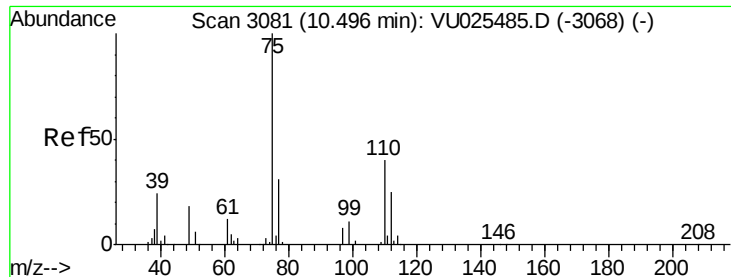
Abundance Ion 164.00 (163.70 to 164.70): VU025500.D (-2283) (-)

Ion 129.00 (128.70 to 129.70): VU025500.D (-2283) (-)

Ion 131.00 (130.70 to 131.70): VU025500.D (-2283) (-)

Ion 166.00 (165.70 to 166.70): VU025500.D (-2283) (-)





#59

1,2,3-Trichloropropane

Concen: 4.805 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU025500.D

Acq: 18 Jul 2018 16:24

Tgt Ion: 75 Resp: 15497

Ion Ratio Lower Upper

75 100

77 43.1 26.2 39.2#

