

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\
 Data File : VU025438.D
 Acq On : 16 Jul 2018 20:57
 Operator : MD/SY
 Sample : J3984-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB175

Quant Time: Jul 17 09:04:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:54:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	333829	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303915	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	140729	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80314	44.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.48%
7) Chloroethane-d5	1.68	69	67138	45.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.10%
11) 1,1-Dichloroethene-d2	2.27	63	121835	31.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.82%
21) 2-Butanone-d5	4.18	46	188334	103.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.84%
24) Chloroform-d	4.65	84	190704	44.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.56%
26) 1,2-Dichloroethane-d4	5.31	65	137068	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
32) Benzene-d6	5.34	84	368193	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
36) 1,2-Dichloropropane-d6	6.33	67	122230	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.98%
41) Toluene-d8	7.57	98	346432	46.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.34%
43) trans-1,3-Dichloropropene-	7.85	79	53402	42.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.22%
47) 2-Hexanone-d5	8.31	63	142641	108.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.26%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	179530	47.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	140291	47.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.42%

Target Compounds

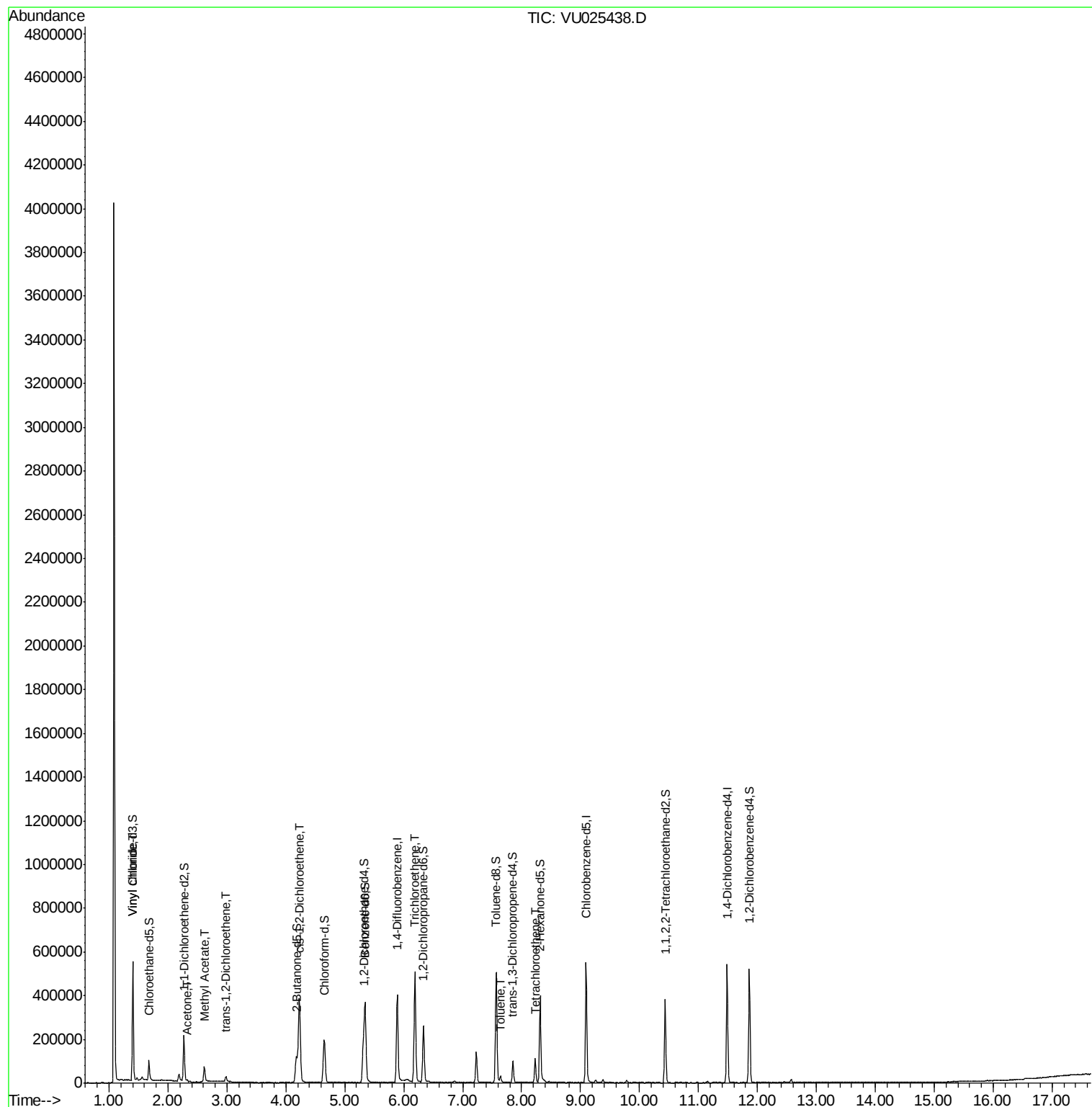
						Ovalue
5) Vinyl chloride	1.40	62	293776	115.26	ug/L	99
13) Acetone	2.32	43	7802	4.09	ug/L	91
15) Methyl Acetate	2.62	43	78450	27.64	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	9440	4.32	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	215468	84.12	ug/L	97
34) Trichloroethene	6.19	95	172550	72.89	ug/L	99
42) Toluene	7.64	91	17925	1.88	ug/L	97
46) Tetrachloroethene	8.23	164	25355	12.92	ug/L	93

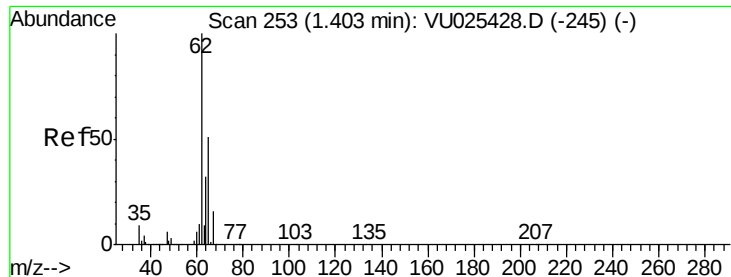
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 115.26 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025438.D

Acq: 16 Jul 2018 20:57

Instrument :

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ClientSampleID :

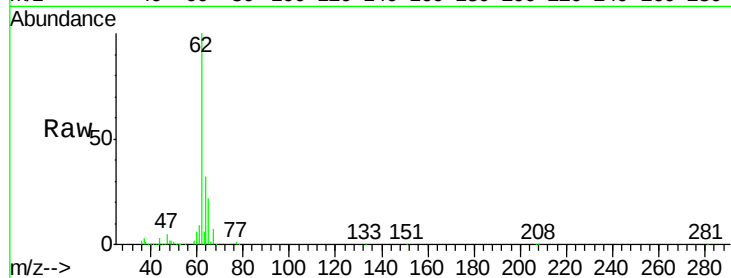
DB175

Tot Ion: 62 Resp: 293776

Ion Ratio Lower Upper

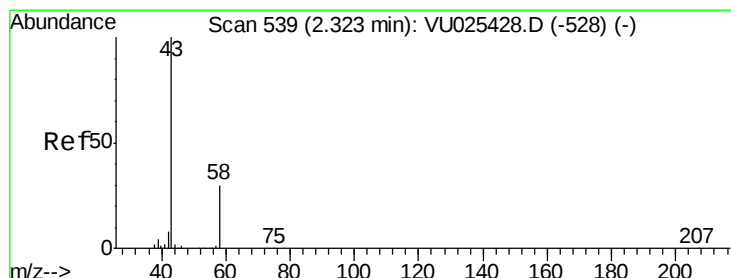
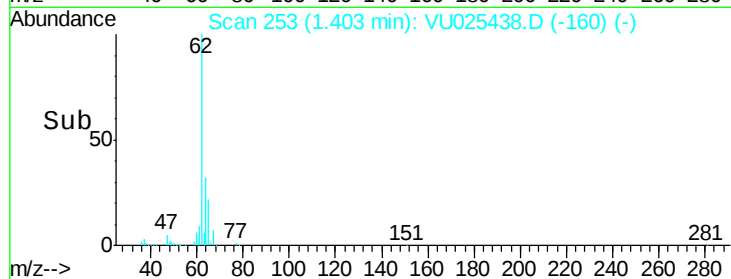
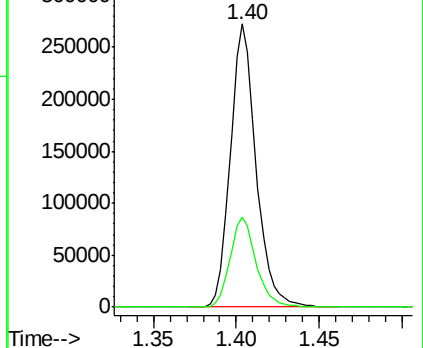
62 100

64 32.0 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#13

Acetone

Concen: 4.09 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025438.D

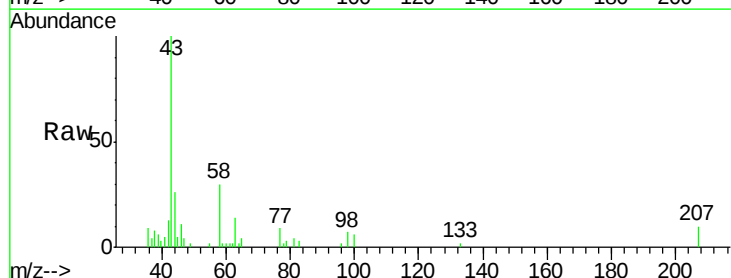
Acq: 16 Jul 2018 20:57

Tgt Ion: 43 Resp: 7802

Ion Ratio Lower Upper

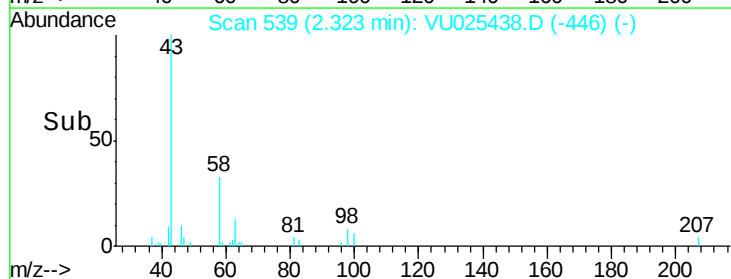
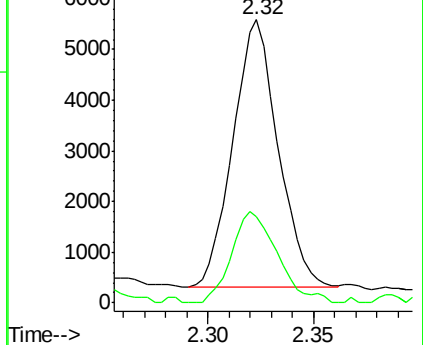
43 100

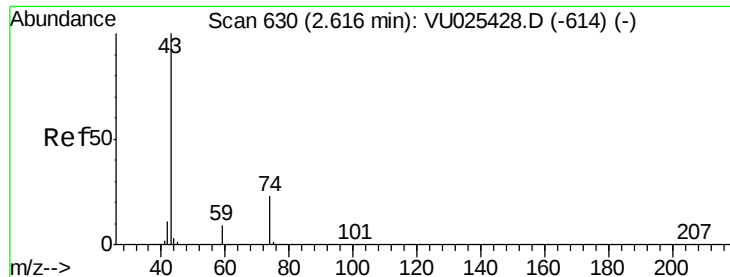
58 33.9 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#15

Methvl Acetate

Concen: 27.64 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025438.D

Acq: 16 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

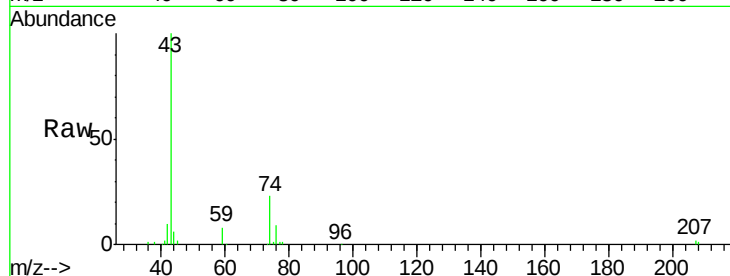
DB175

Tot Ion: 43 Resp: 78450

Ion Ratio Lower Upper

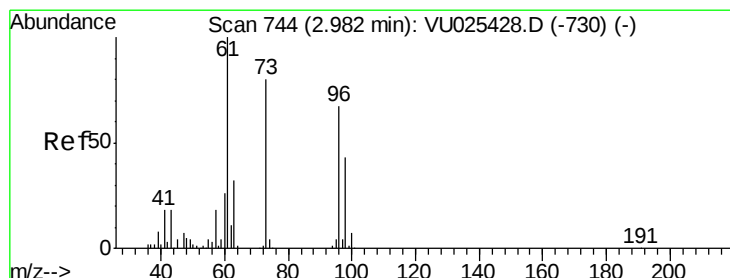
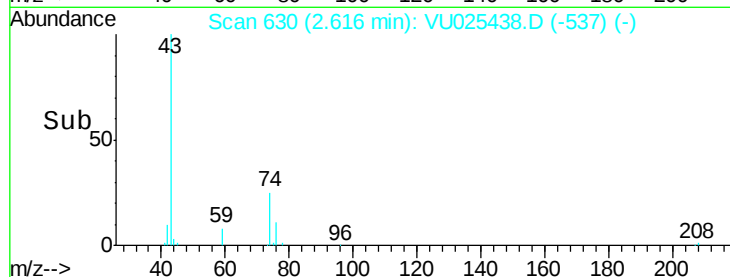
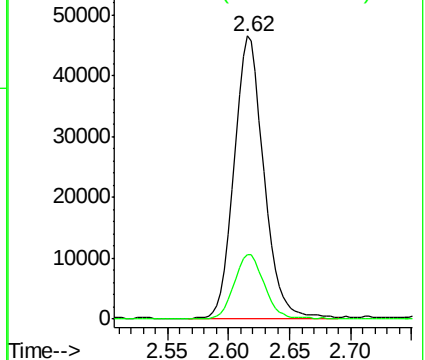
43 100

74 23.1 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 4.32 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025438.D

Acq: 16 Jul 2018 20:57

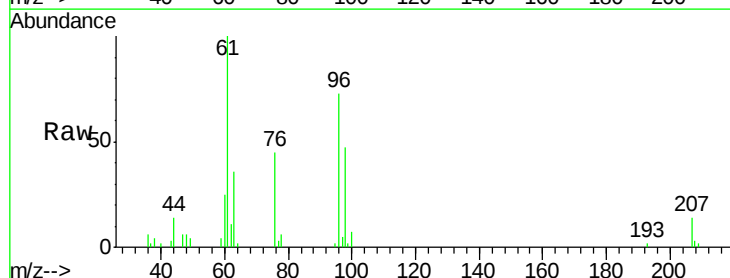
Tgt Ion: 96 Resp: 9440

Ion Ratio Lower Upper

96 100

61 136.7 98.2 182.4

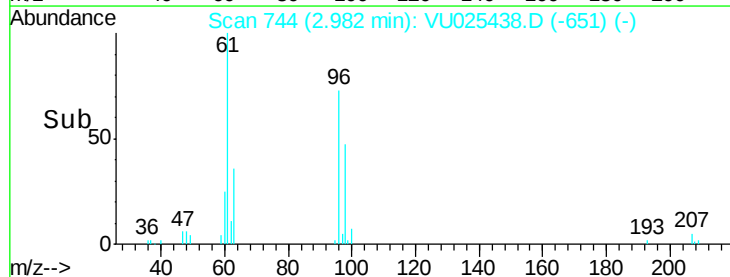
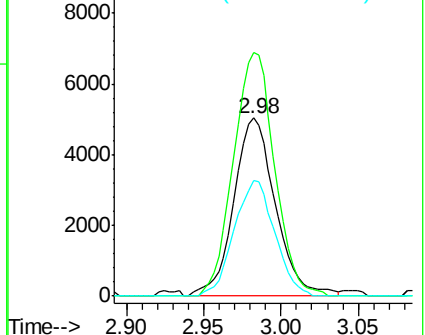
98 64.6 44.4 82.5

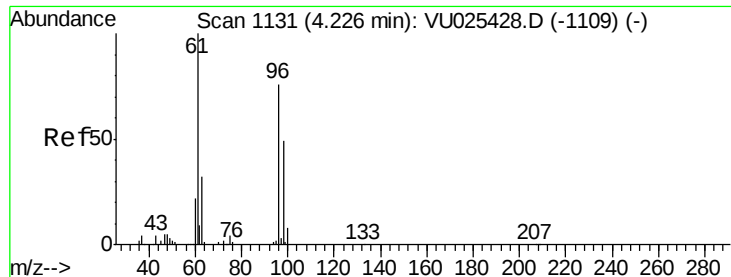


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

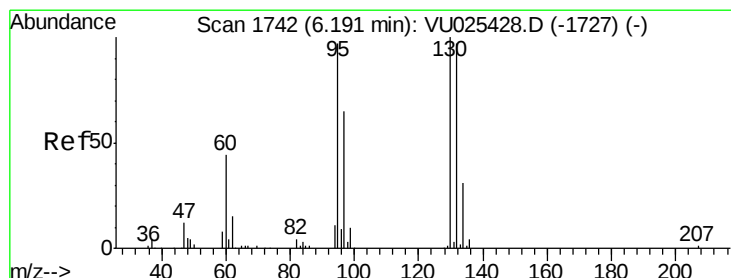
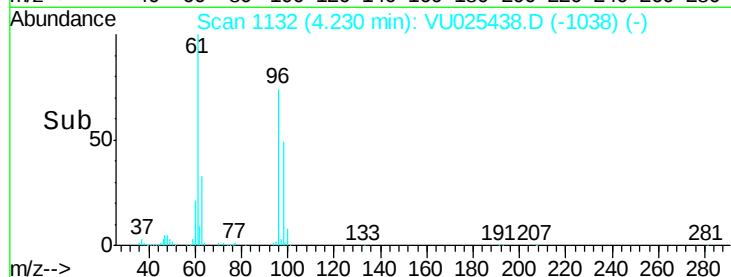
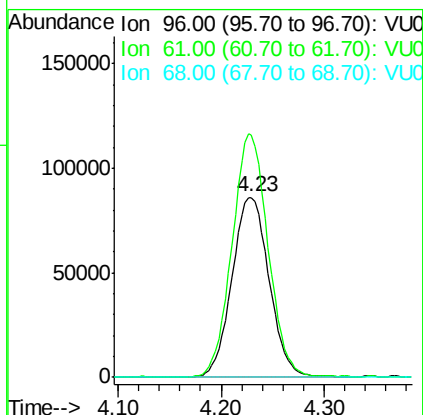
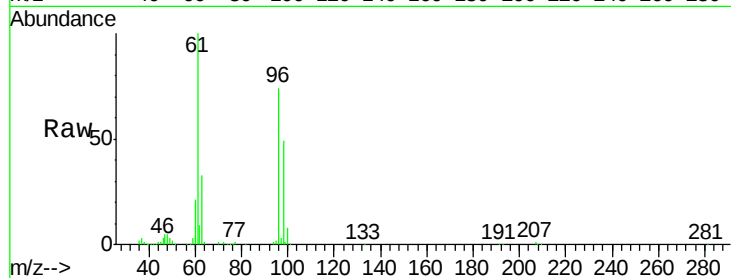




#20
 cis-1,2-Dichloroethene
 Concen: 84.12 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025438.D
 Acq: 16 Jul 2018 20:57

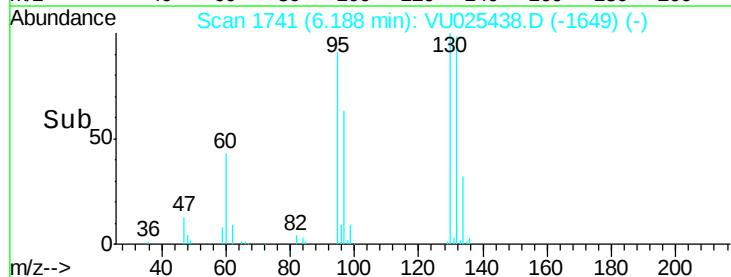
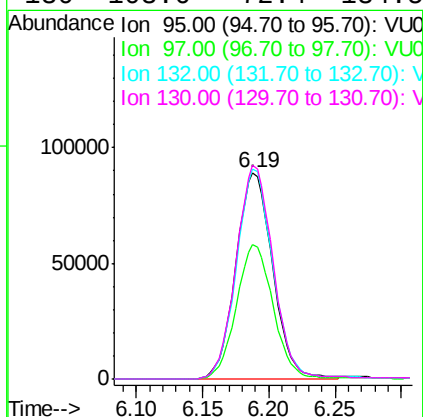
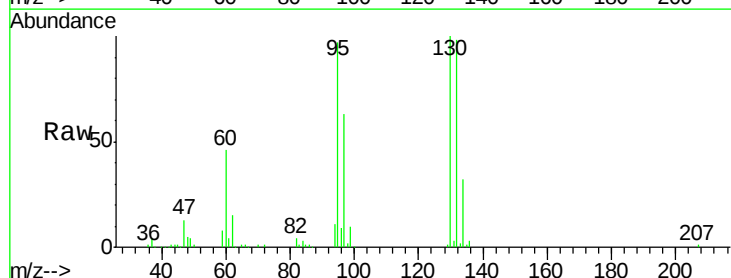
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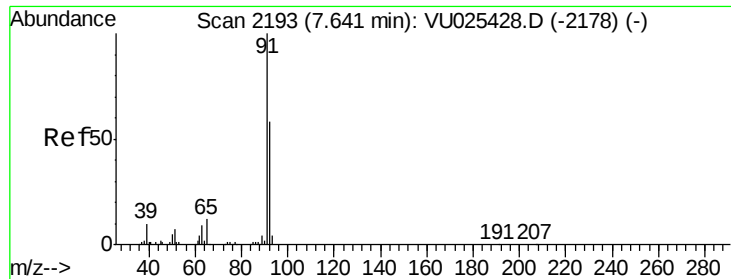
Tot Ion: 96 Resp: 215468
 Ion Ratio Lower Upper
 96 100
 61 134.7 92.0 170.9
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 72.89 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025438.D
 Acq: 16 Jul 2018 20:57

Tgt Ion: 95 Resp: 172550
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.3 82.3
 132 101.6 69.6 129.2
 130 103.6 72.4 134.5





#42

Toluene

Concen: 1.88 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025438.D

Acq: 16 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

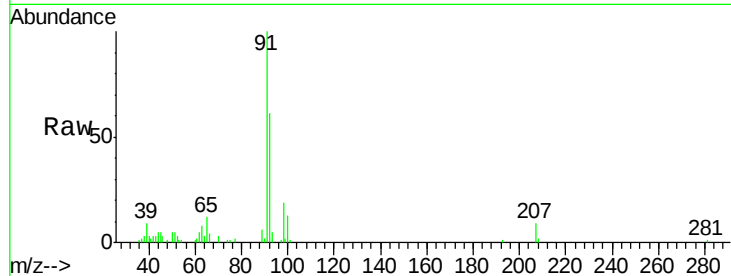
DB175

Tot Ion: 91 Resp: 17925

Ion Ratio Lower Upper

91 100

92 60.6 40.7 75.5

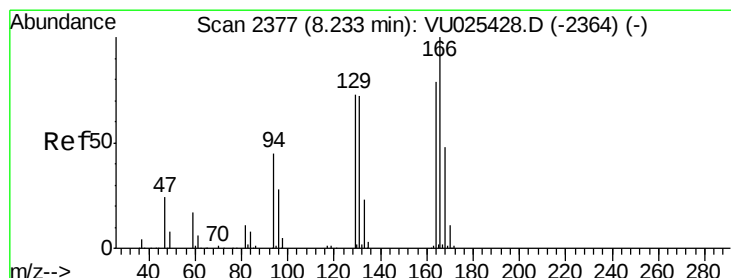
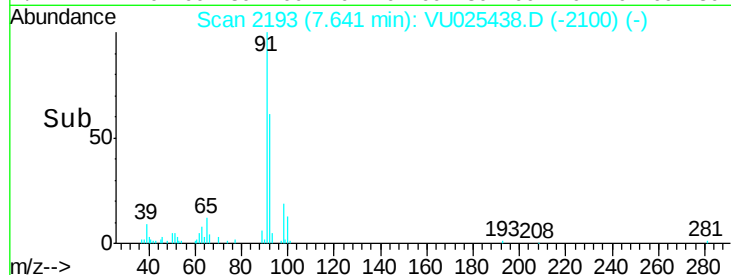


Abundance Ion 91.00 (90.70 to 91.70): VU025438.D (-2100) (-)

Ion 92.00 (91.70 to 92.70): VU025438.D (-2100) (-)

7.64

Time-->



#46

Tetrachloroethene

Concen: 12.92 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. -0.00 min

Lab File: VU025438.D

Acq: 16 Jul 2018 20:57

Tgt Ion: 164 Resp: 25355

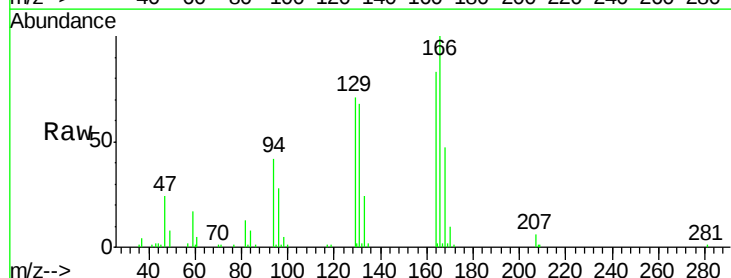
Ion Ratio Lower Upper

164 100

129 86.6 64.7 120.1

131 82.6 63.1 117.3

166 121.1 89.7 166.5



Abundance Ion 164.00 (163.70 to 164.70): VU025438.D (-2284) (-)

Ion 129.00 (128.70 to 129.70): VU025438.D (-2284) (-)

Ion 131.00 (130.70 to 131.70): VU025438.D (-2284) (-)

Ion 166.00 (165.70 to 166.70): VU025438.D (-2284) (-)

8.23

Time-->

