

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\
 Data File : VU025449.D
 Acq On : 17 Jul 2018 01:26
 Operator : MD/SY
 Sample : J3984-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB1A0

Quant Time: Jul 17 12:46:08 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	321841	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	294522	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	136811	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76205	44.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.06%
7) Chloroethane-d5	1.68	69	65054	45.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.56%
11) 1,1-Dichloroethene-d2	2.27	63	127467	34.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.16%
21) 2-Butanone-d5	4.18	46	165112	94.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.43%
24) Chloroform-d	4.65	84	178345	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.88%
26) 1,2-Dichloroethane-d4	5.31	65	124587	44.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.94%
32) Benzene-d6	5.35	84	340020	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
36) 1,2-Dichloropropane-d6	6.33	67	112871	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.32%
41) Toluene-d8	7.57	98	322555	44.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.72%
43) trans-1,3-Dichloropropene-	7.85	79	42955	35.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.74%
47) 2-Hexanone-d5	8.31	63	119201	93.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.36%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	164408	44.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	130966	45.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.62%

Target Compounds

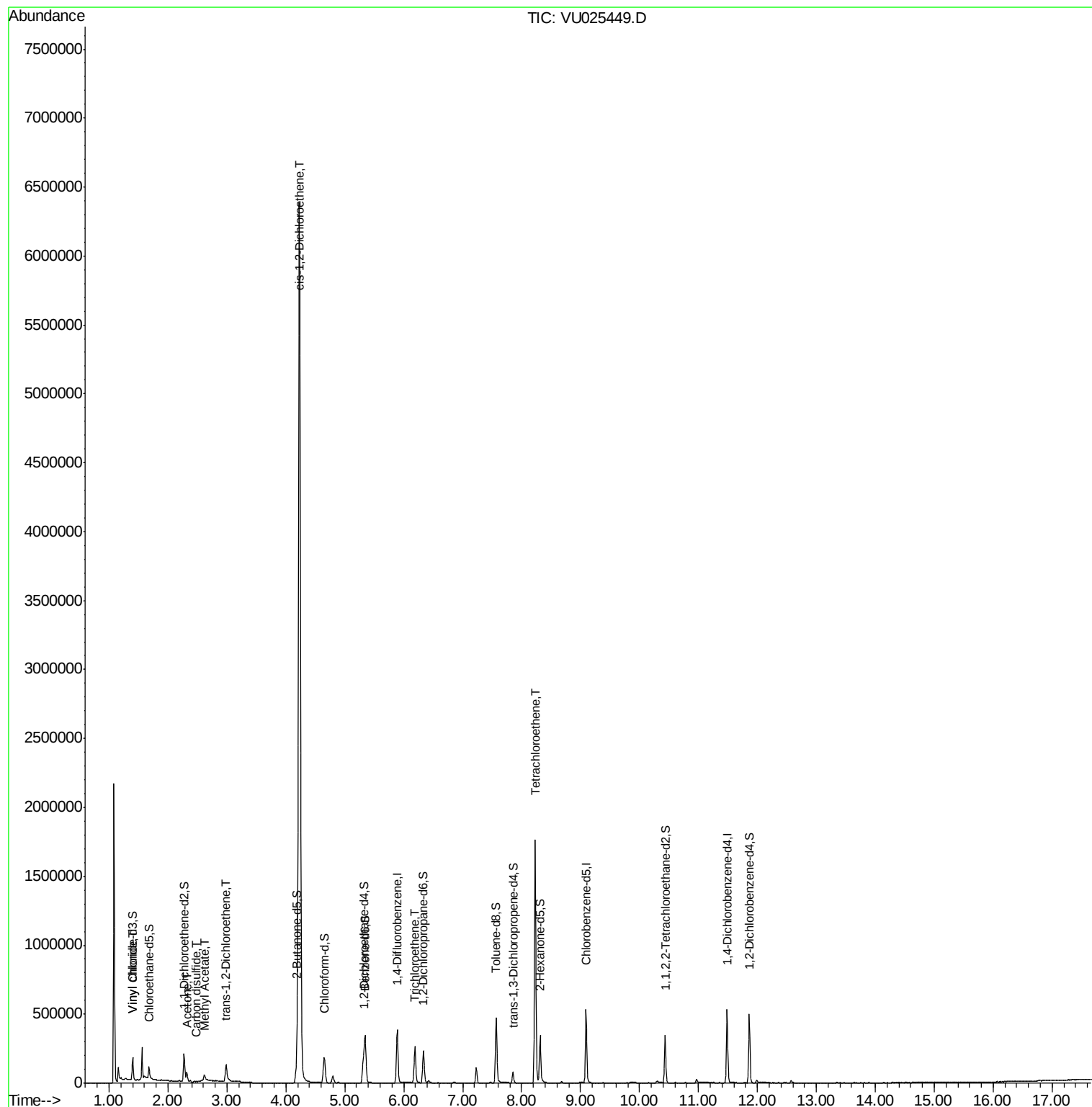
						Ovalue
5) Vinyl chloride	1.40	62	36168	14.72	ug/L	93
13) Acetone	2.32	43	70485	38.29	ug/L	99
14) Carbon disulfide	2.48	76	13516	2.28	ug/L #	94
15) Methyl Acetate	2.62	43	43927	16.05	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	62422	29.66	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	3674702	1487.99	ug/L	99
34) Trichloroethene	6.19	95	91489	39.88	ug/L	98
46) Tetrachloroethene	8.23	164	401503	211.18	ug/L	99

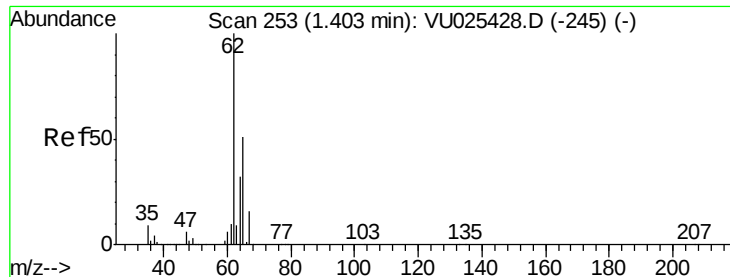
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 14.72 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

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Acq: 17 Jul 2018 01:26

Instrument :

MSVOA_U

ClientSampleId :

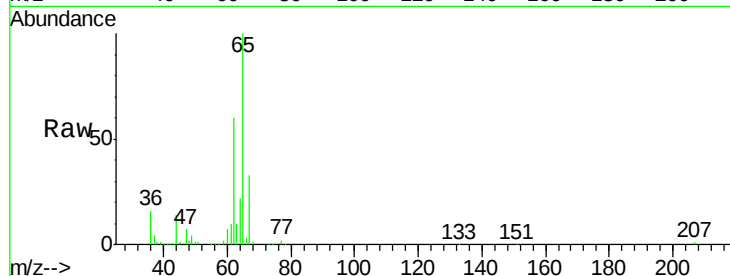
DB1A0

Tot Ion: 62 Resp: 36168

Ion Ratio Lower Upper

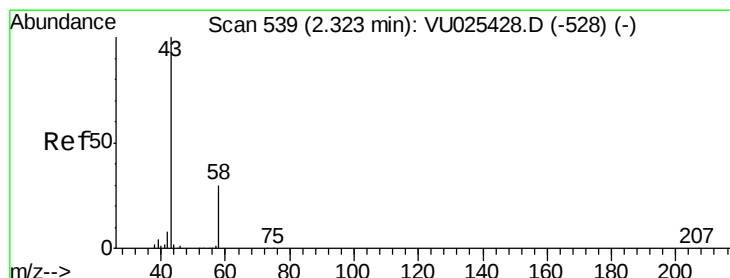
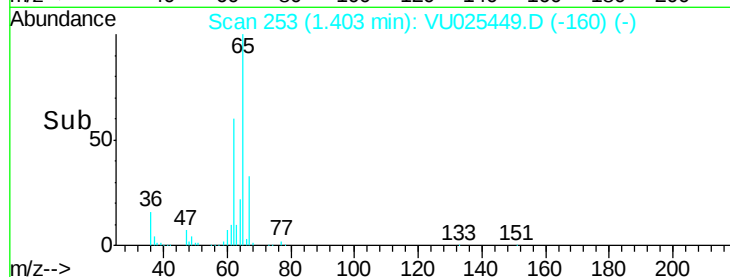
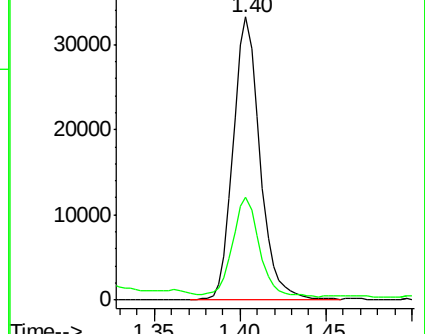
62 100

64 36.3 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: 38.29 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025449.D

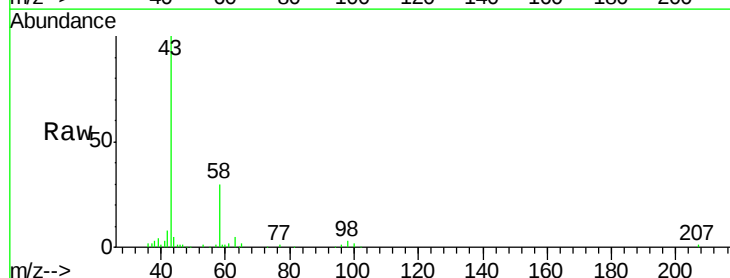
Acq: 17 Jul 2018 01:26

Tgt Ion: 43 Resp: 70485

Ion Ratio Lower Upper

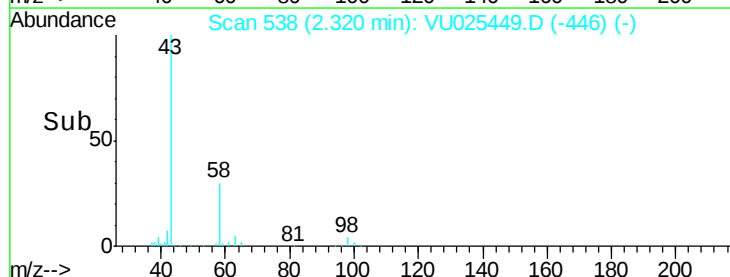
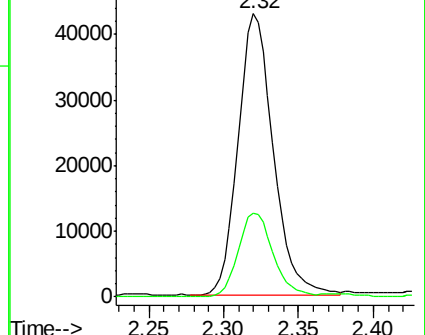
43 100

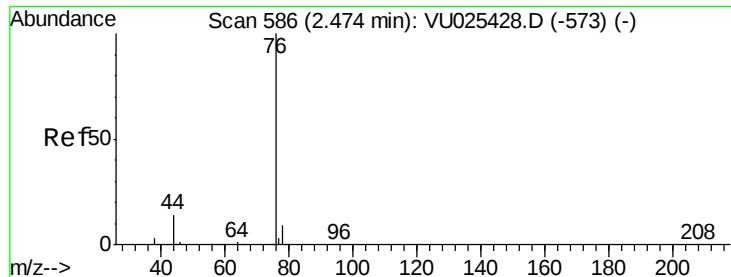
58 29.6 0.0 58.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon disulfide

Concen: 2.28 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.01 min

Lab File: VU025449.D

Acq: 17 Jul 2018 01:26

Instrument :

MSVOA_U

ClientSampleId :

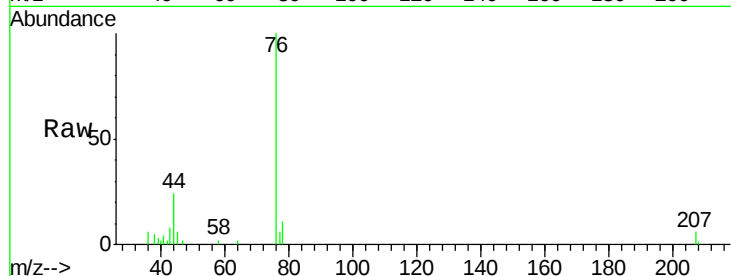
DB1A0

Tot Ion: 76 Resp: 13516

Ion Ratio Lower Upper

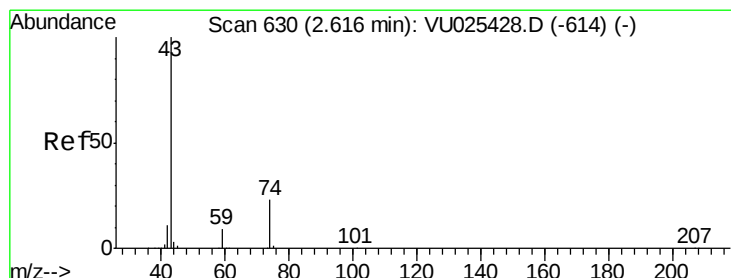
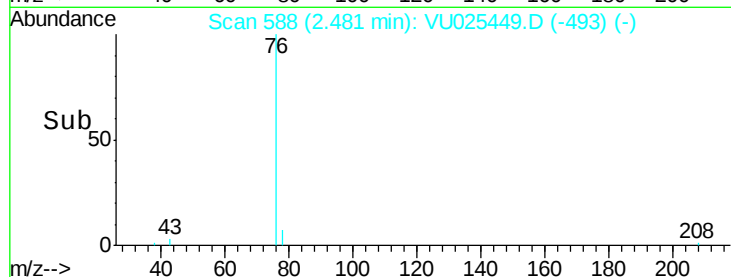
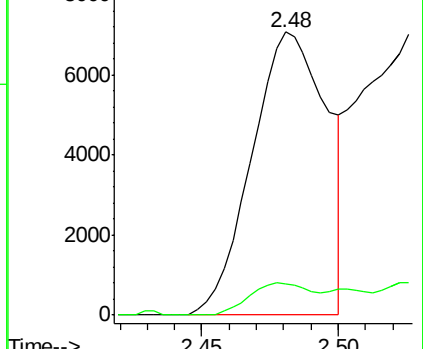
76 100

78 11.1 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#15

Methyl Acetate

Concen: 16.05 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025449.D

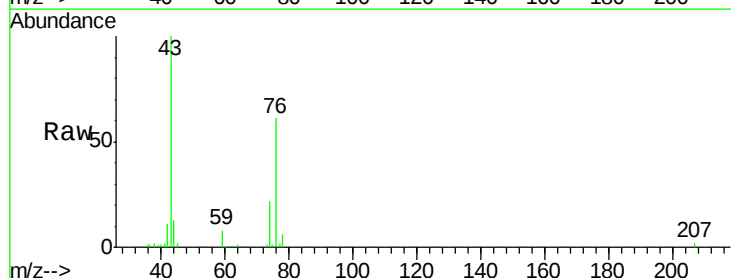
Acq: 17 Jul 2018 01:26

Tgt Ion: 43 Resp: 43927

Ion Ratio Lower Upper

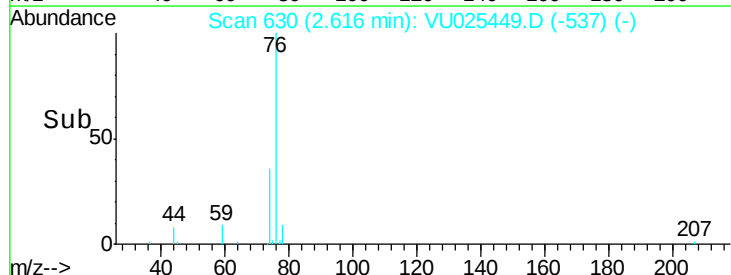
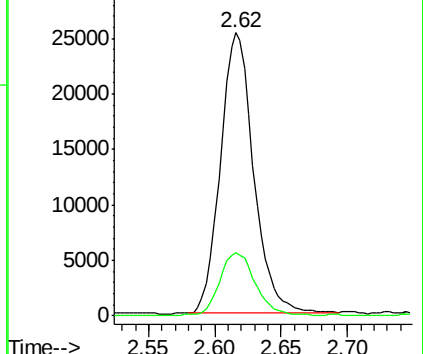
43 100

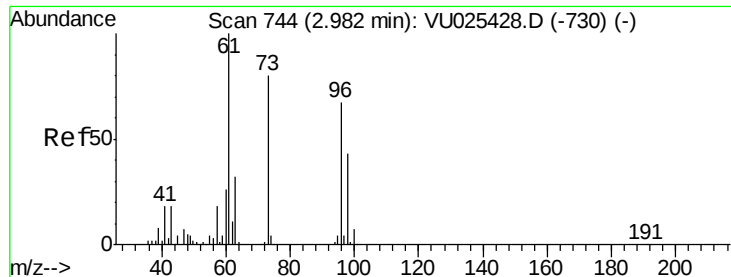
74 24.2 18.8 28.2



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: 29.66 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025449.D

Acq: 17 Jul 2018 01:26

Instrument :

MSVOA_U

ClientSampleId :

DB1A0

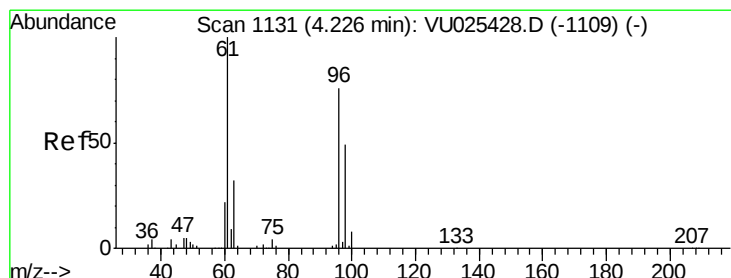
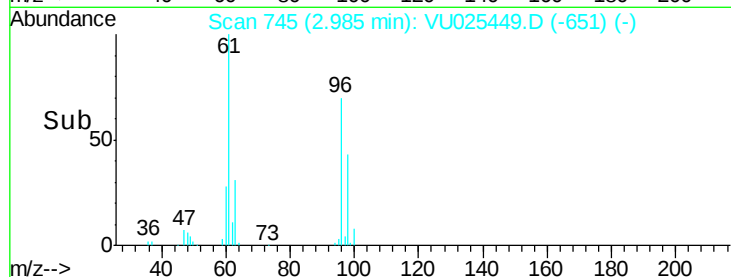
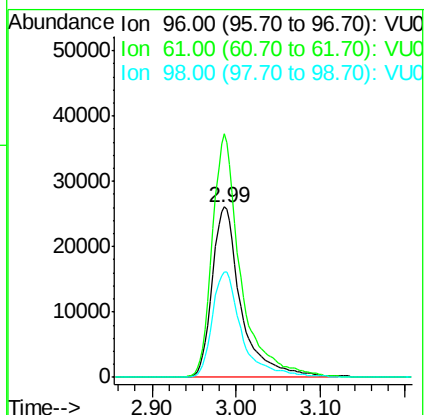
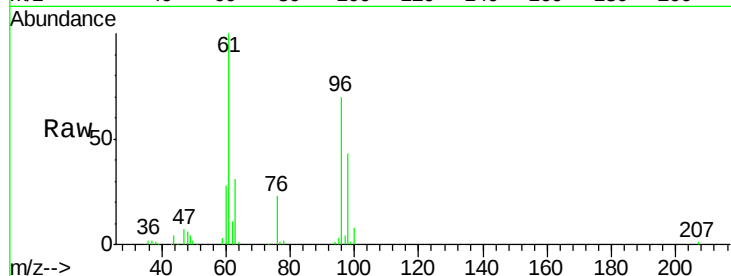
Tot Ion: 96 Resp: 62422

Ion Ratio Lower Upper

96 100

61 143.1 98.2 182.4

98 61.7 44.4 82.5



#20

cis-1,2-Dichloroethene

Concen: 1487.99 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025449.D

Acq: 17 Jul 2018 01:26

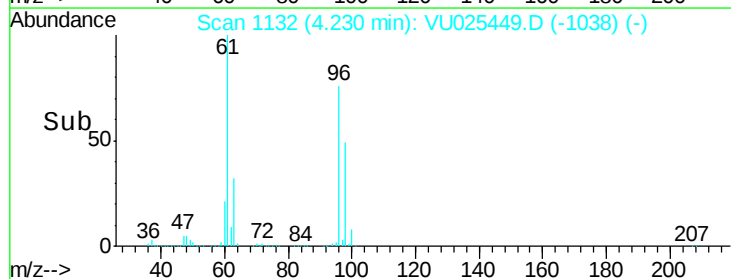
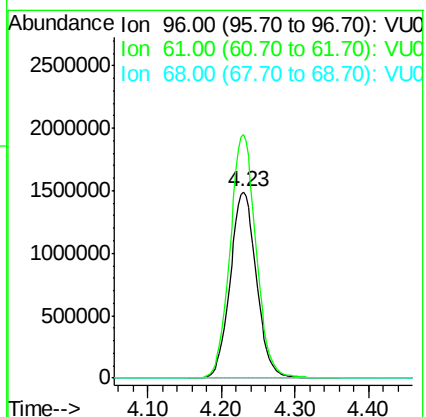
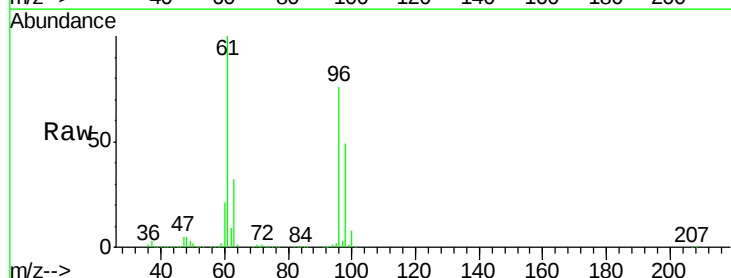
Tgt Ion: 96 Resp: 3674702

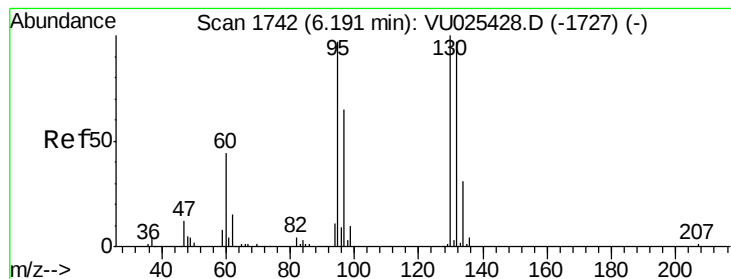
Ion Ratio Lower Upper

96 100

61 130.9 92.0 170.9

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 39.88 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025449.D

Acq: 17 Jul 2018 01:26

Instrument :

MSVOA_U

ClientSampleId :

DB1A0

Tot Ion: 95 Resp: 91489

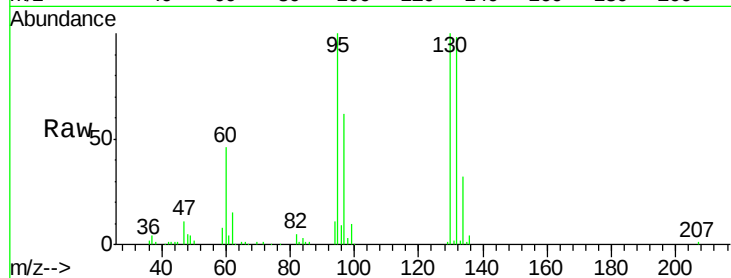
Ion Ratio Lower Upper

95 100

97 62.5 44.3 82.3

132 98.0 69.6 129.2

130 100.5 72.4 134.5

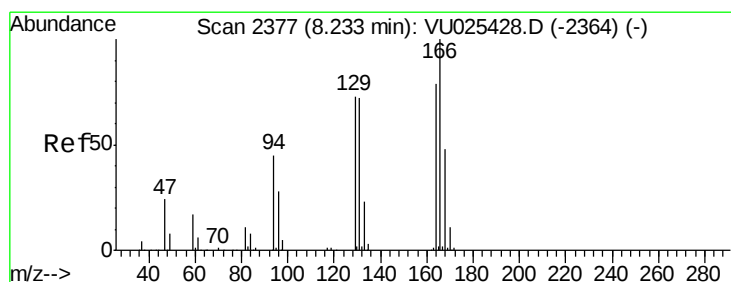
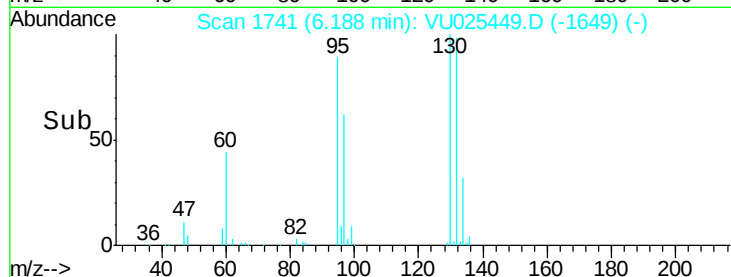
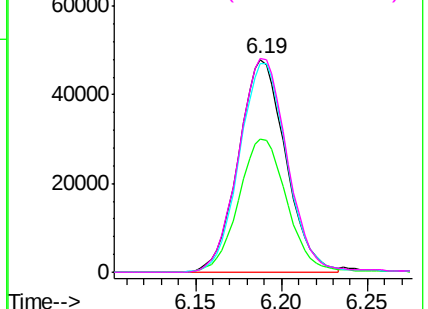


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 211.18 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025449.D

Acq: 17 Jul 2018 01:26

Tgt Ion:164 Resp: 401503

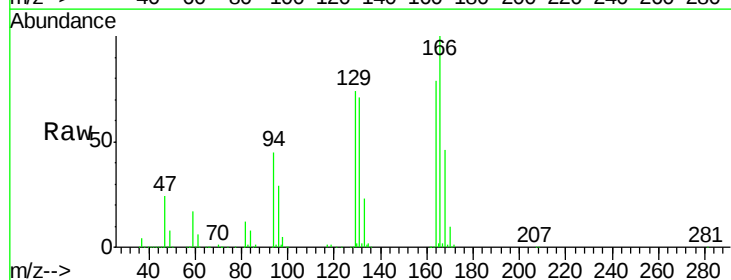
Ion Ratio Lower Upper

164 100

129 93.6 64.7 120.1

131 89.8 63.1 117.3

166 126.8 89.7 166.5



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

