

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028153.D
 Acq On : 15 Nov 2018 04:52
 Operator : MD/SY
 Sample : J5943-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FN1

Quant Time: Nov 15 08:05:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 06:14:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	132129	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	126951	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	58650	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47961	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.68	69	40114	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.28	63	71187	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.19	46	175495	55.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.38%
24) Chloroform-d	4.65	84	85630	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.31	65	48377	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.34	84	174581	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.33	67	65161	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.57	98	153304	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.85	79	19519	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.31	63	134226	50.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	45471	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	52364	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

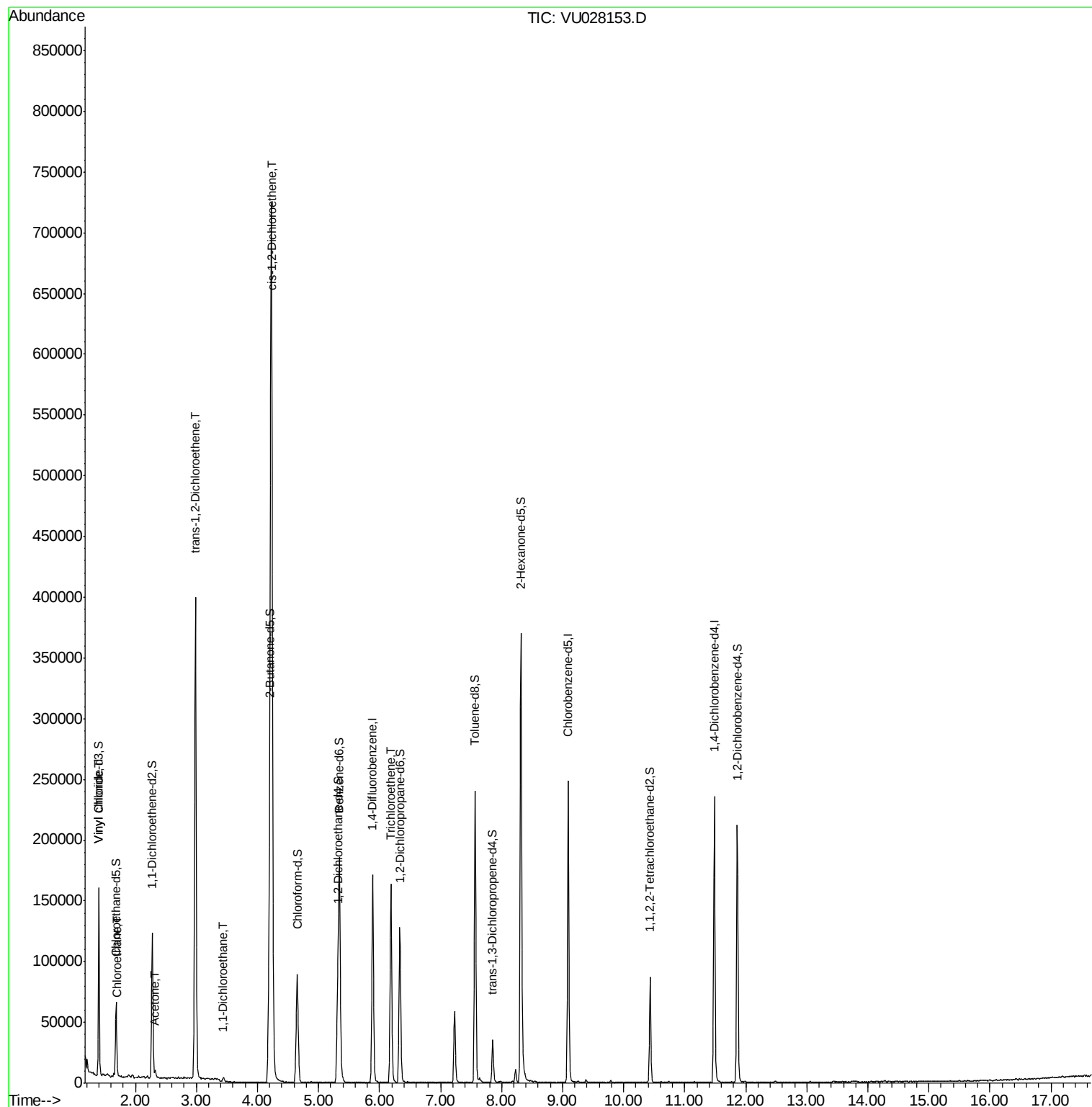
					Ovalue
5) Vinyl chloride	1.40	62	53841	3.804	ug/L 99
8) Chloroethane	1.70	64	2783	0.327	ug/L 96
13) Acetone	2.32	43	5466	2.552	ug/L 91
18) trans-1,2-Dichloroethene	2.98	96	138185	14.794	ug/L 100
19) 1,1-Dichloroethane	3.45	63	4113	0.209	ug/L 92
22) cis-1,2-Dichloroethene	4.23	96	369534	35.883	ug/L 99
34) Trichloroethene	6.19	95	58082	5.495	ug/L 97

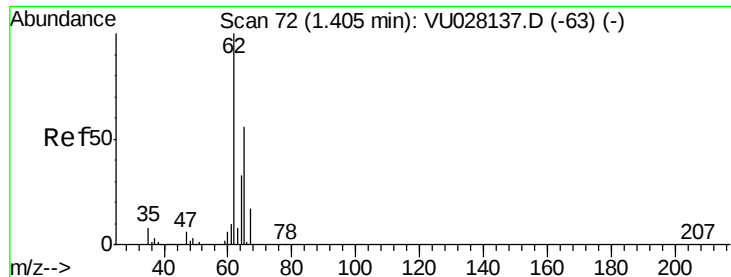
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.804 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

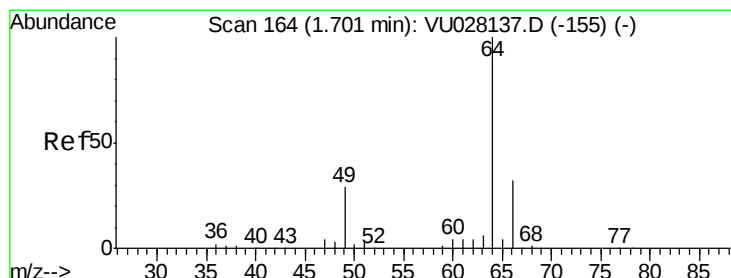
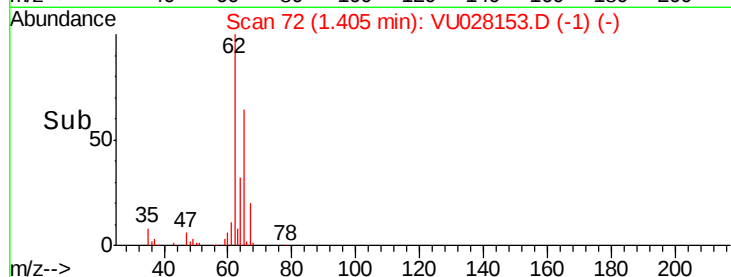
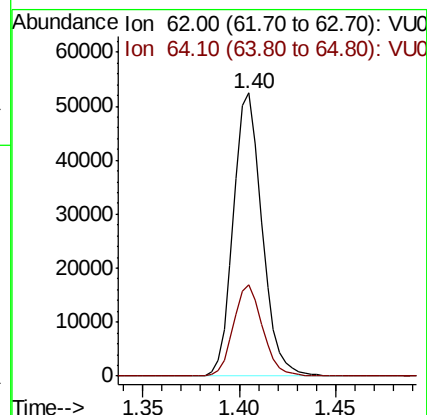
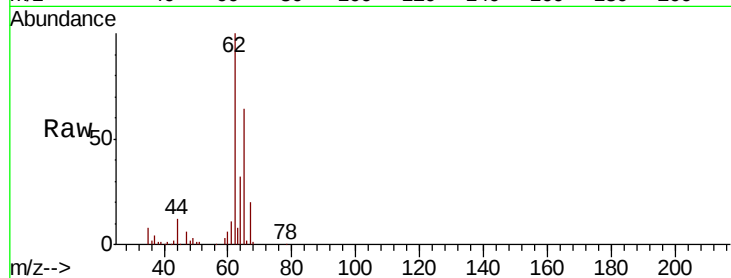
H0FN1

Tot Ion: 62 Resp: 53841

Ion Ratio Lower Upper

62 100

64 32.2 22.7 42.3



#8

Chloroethane

Concen: 0.327 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU028153.D

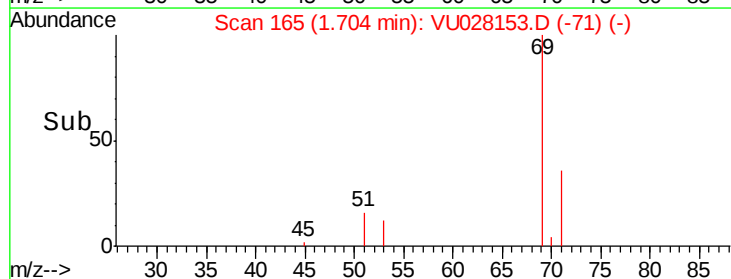
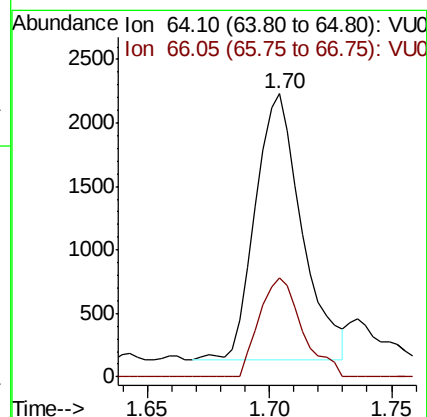
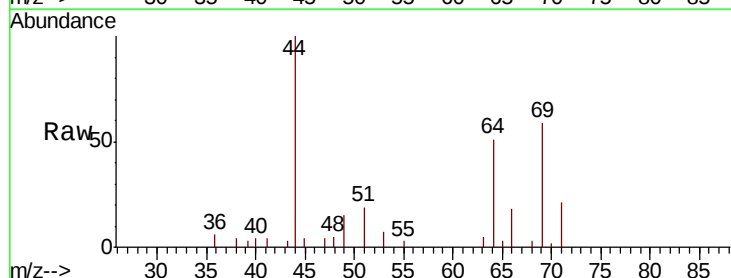
Acq: 15 Nov 2018 04:52

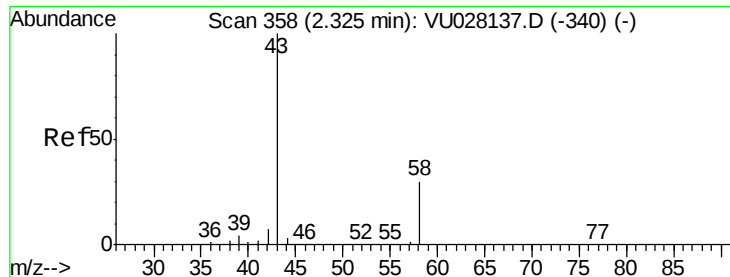
Tgt Ion: 64 Resp: 2783

Ion Ratio Lower Upper

64 100

66 35.1 23.1 42.9





#13

Acetone

Concen: 2.552 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

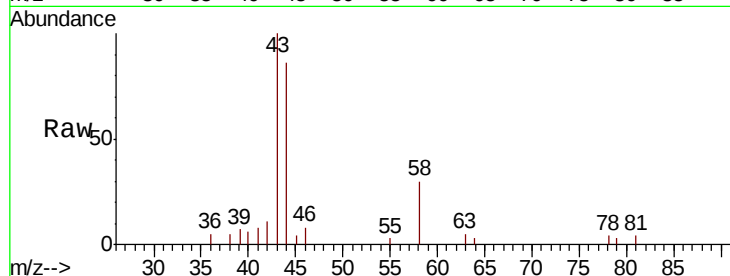
H0FN1

Tot Ion: 43 Resp: 5466

Ion Ratio Lower Upper

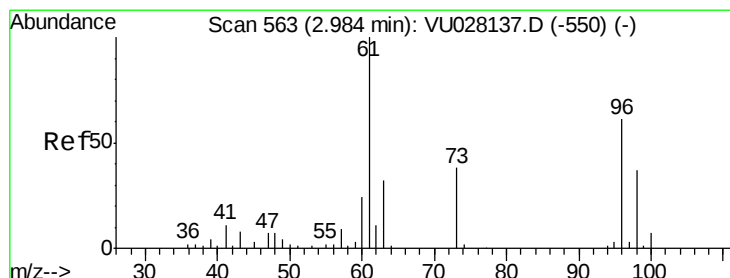
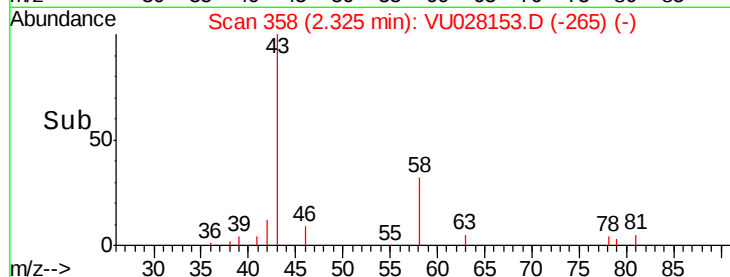
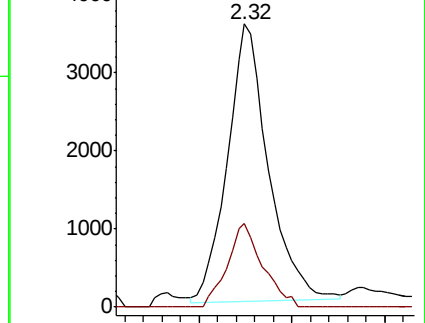
43 100

58 25.7 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU028137.D (-340) (-)

Ion 58.05 (57.75 to 58.75): VU028137.D (-340) (-)



#18

trans-1,2-Dichloroethene

Concen: 14.794 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

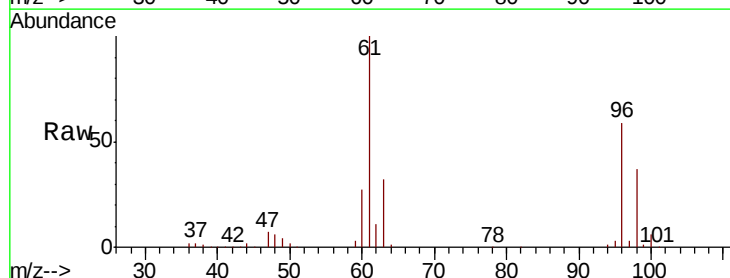
Tgt Ion: 96 Resp: 138185

Ion Ratio Lower Upper

96 100

61 169.4 118.5 220.1

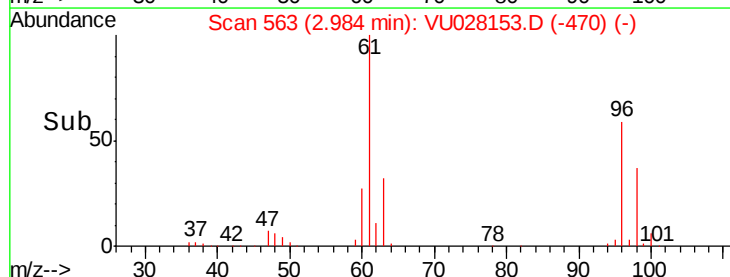
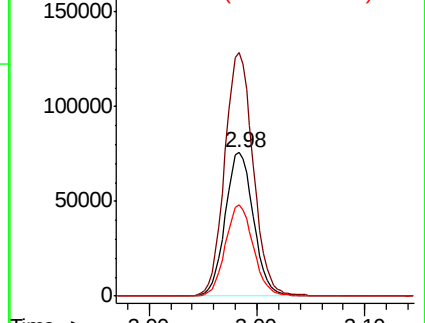
98 63.4 44.9 83.5

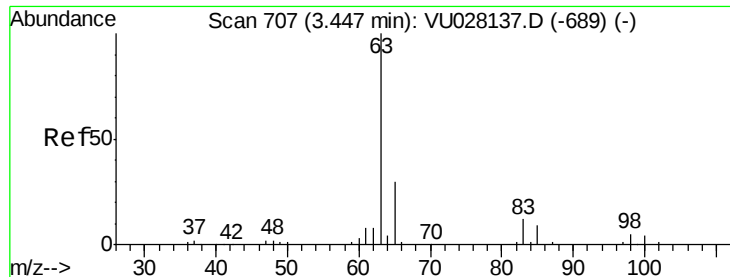


Abundance Ion 96.00 (95.70 to 96.70): VU028137.D (-550) (-)

Ion 61.05 (60.75 to 61.75): VU028137.D (-550) (-)

Ion 97.95 (97.65 to 98.65): VU028137.D (-550) (-)





#19

1,1-Dichloroethane

Concen: 0.209 ug/L

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

Instrument :

MSVOA_U

ClientSampled :

H0FN1

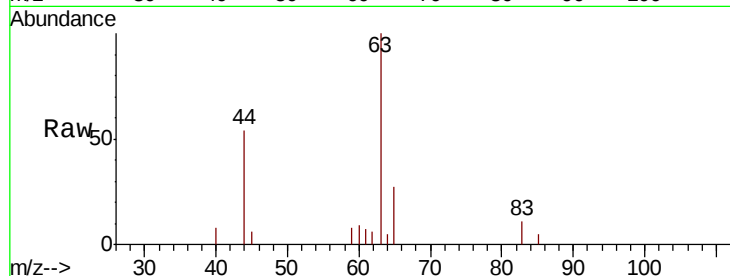
Tot Ion: 63 Resp: 4113

Ion Ratio Lower Upper

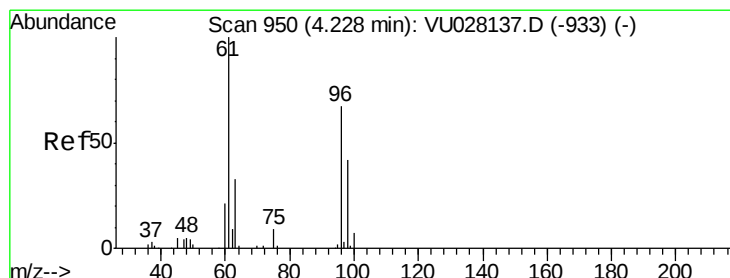
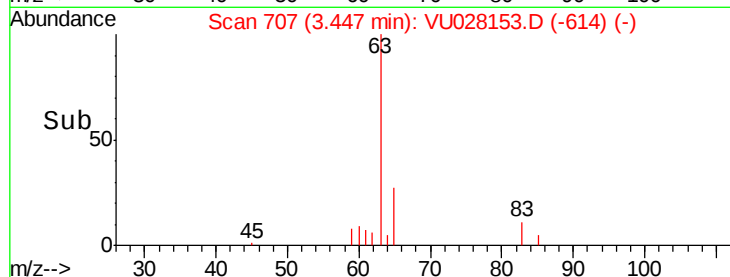
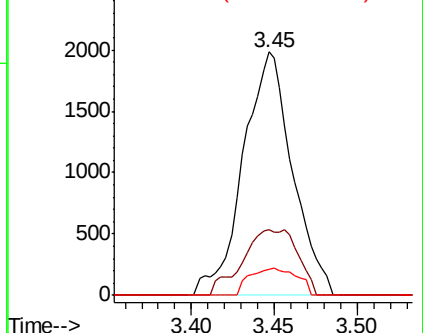
63 100

65 26.9 22.2 41.2

83 10.8 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 35.883 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

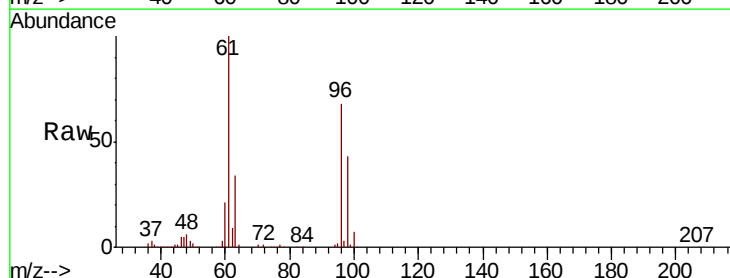
Tgt Ion: 96 Resp: 369534

Ion Ratio Lower Upper

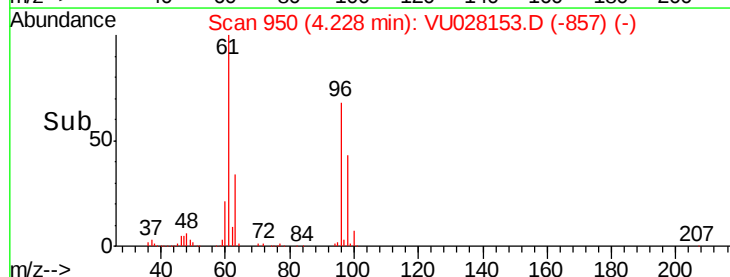
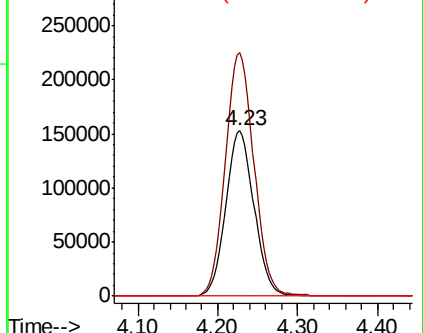
96 100

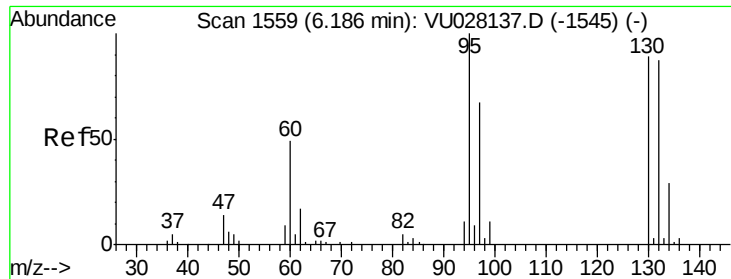
61 147.2 101.8 189.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0





#34

Trichloroethene

Concen: 5.495 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

H0FN1

Tot Ion: 95 Resp: 58082

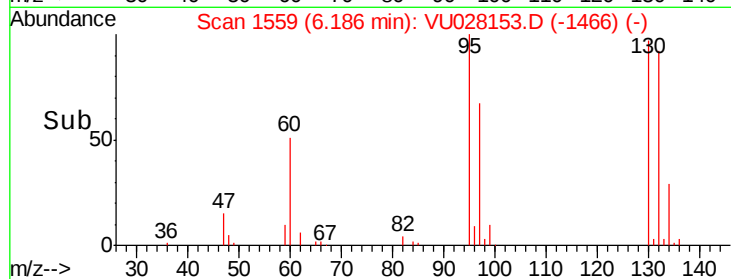
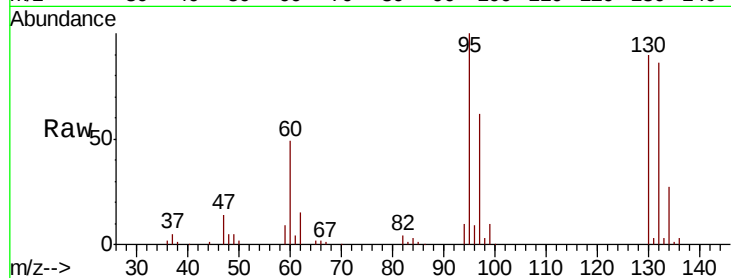
Ion Ratio Lower Upper

95 100

97 62.3 45.3 84.1

132 85.5 63.0 117.0

130 90.3 63.6 118.2



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

