

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111518\
 Data File : VU028171.D
 Acq On : 15 Nov 2018 15:04
 Operator : MD/SY
 Sample : J5943-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH7

Quant Time: Nov 16 16:16:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 16 00:43:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	125162	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	120838	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53549	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41493	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.68	69	35075	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	2.28	63	61185	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	4.22	46	156147	51.84	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.68%
24) Chloroform-d	4.65	84	76133	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.31	65	44271	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.34	84	153983	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.33	67	57371	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.57	98	133943	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	7.85	79	17104	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	8.32	63	118693	46.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	41739	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	48274	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

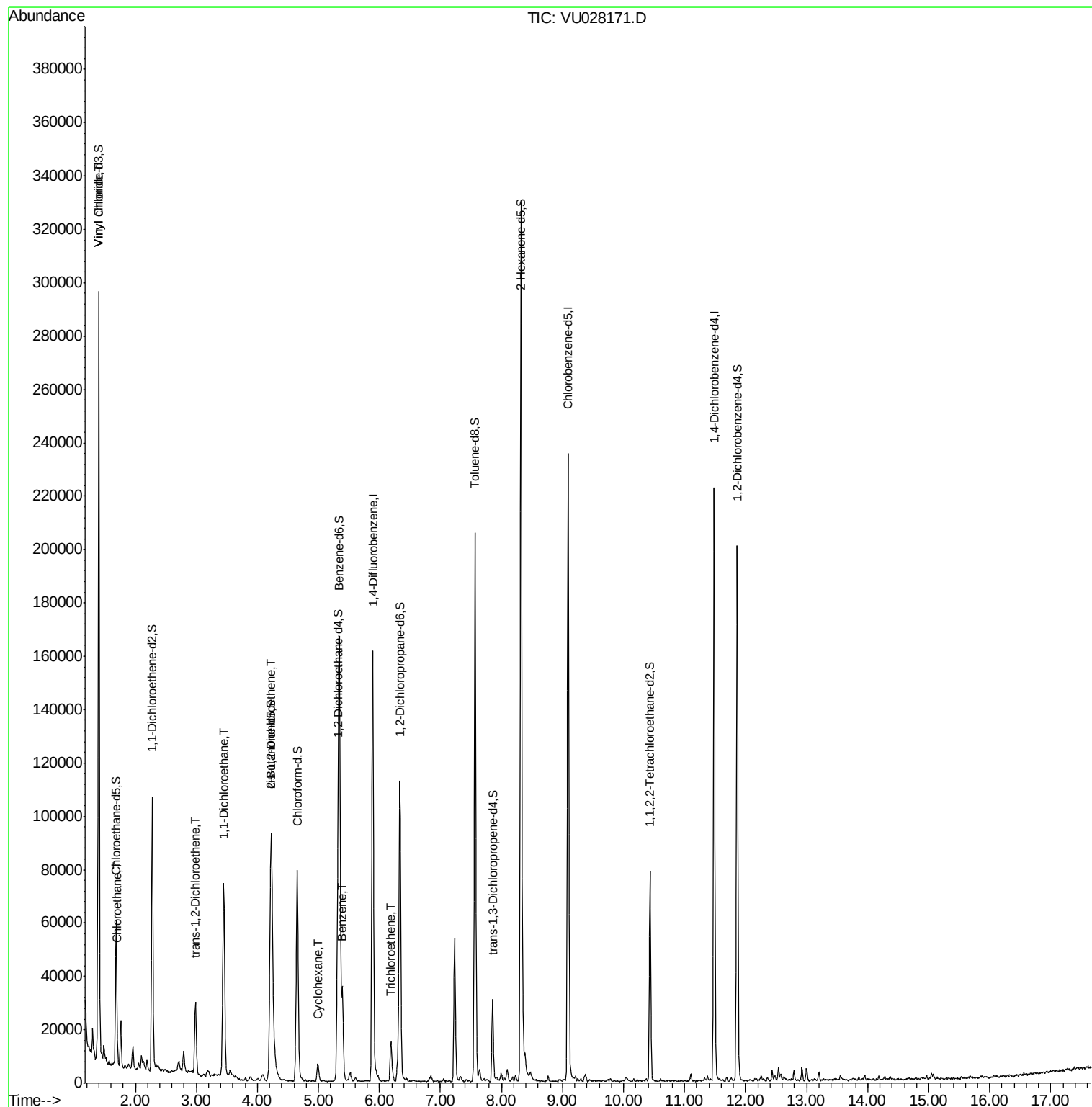
						Qvalue
5) Vinyl chloride	1.40	62	136612	10.19	ug/L	99
8) Chloroethane	1.70	64	4507	0.56	ug/L	84
18) trans-1,2-Dichloroethene	2.99	96	8070	0.91	ug/L	95
19) 1,1-Dichloroethane	3.45	63	79366	4.27	ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	17273	1.77	ug/L	97
30) Cyclohexane	4.99	56	3345	0.17	ug/L	94
33) Benzene	5.39	78	31873	0.78	ug/L	100
34) Trichloroethene	6.19	95	5409	0.54	ug/L	92

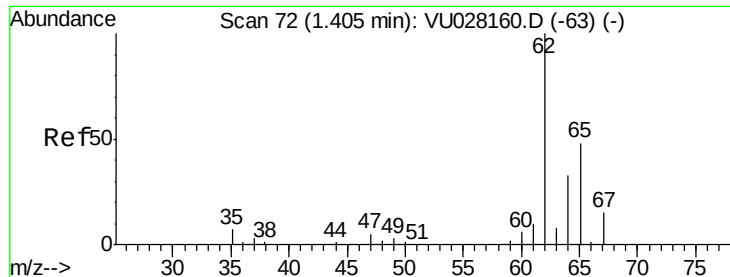
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 10.19 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028171.D

Acq: 15 Nov 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

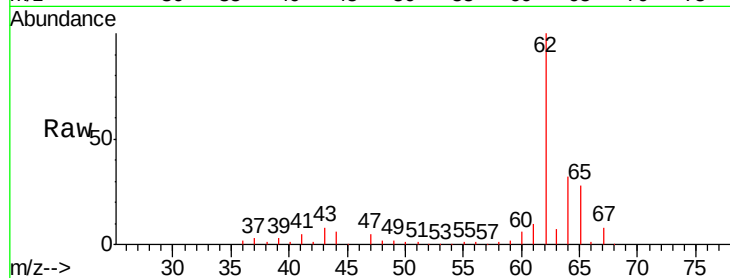
H0FH7

Tgt Ion: 62 Resp: 136612

Ion Ratio Lower Upper

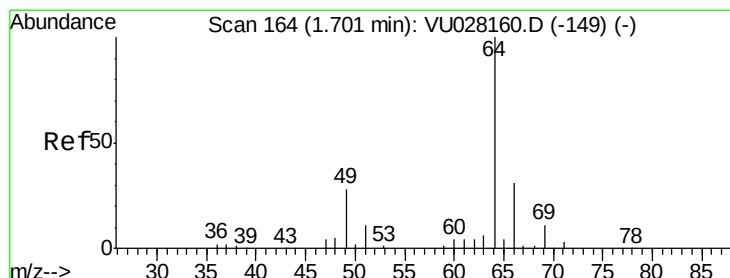
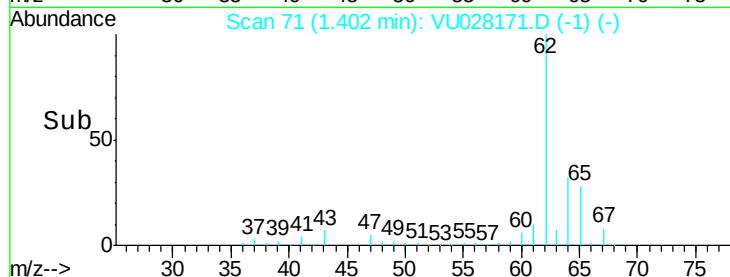
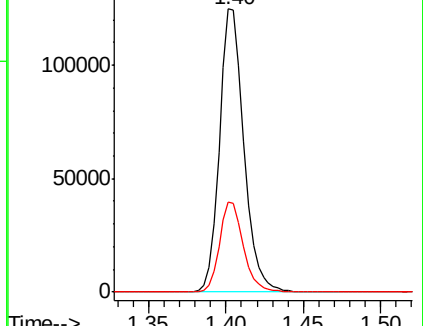
62 100

64 32.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.56 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU028171.D

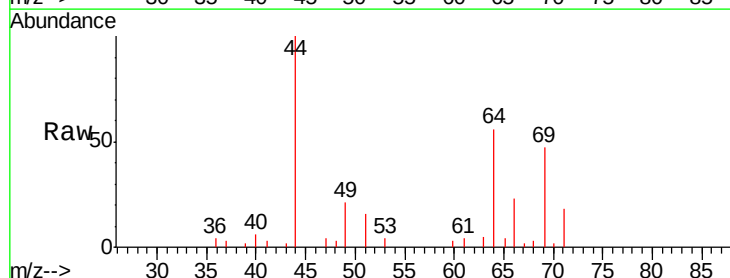
Acq: 15 Nov 2018 15:04

Tgt Ion: 64 Resp: 4507

Ion Ratio Lower Upper

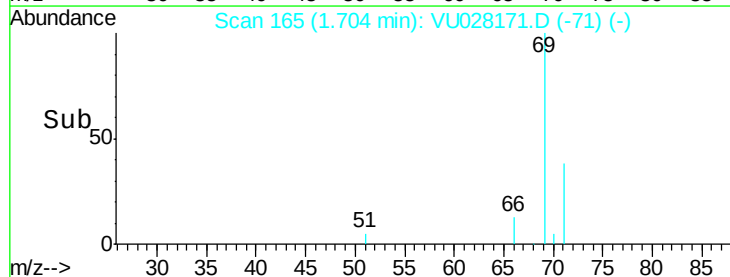
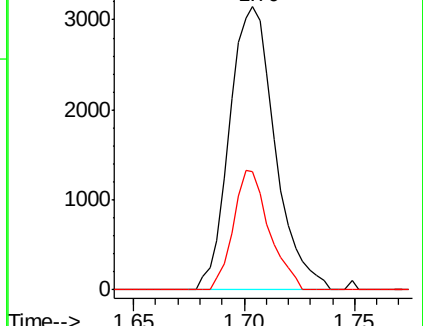
64 100

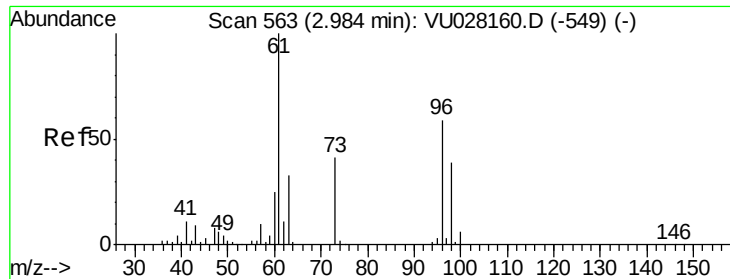
66 42.0 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.91 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028171.D

Acq: 15 Nov 2018 15:04

Instrument :
MSVOA_U
ClientSampleId :
H0FH7

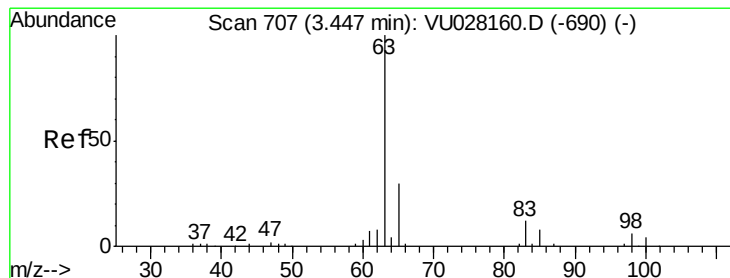
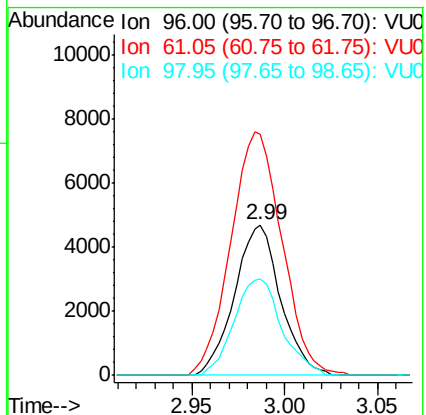
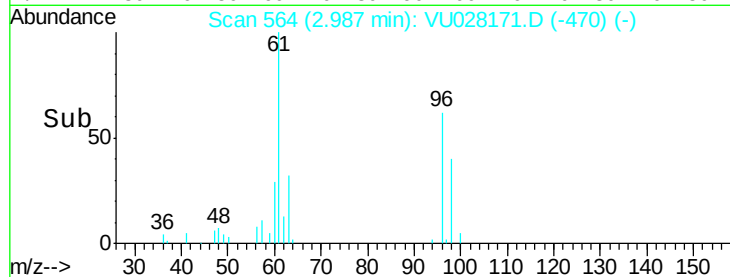
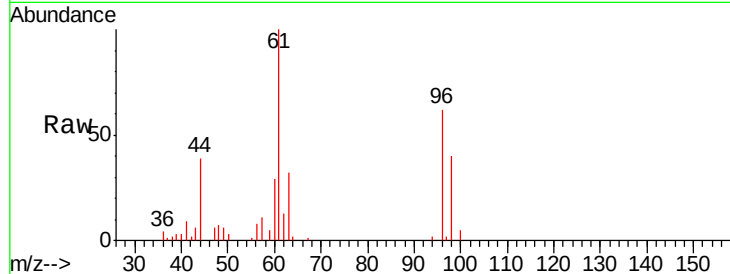
Tgt Ion: 96 Resp: 8070

Ion Ratio Lower Upper

96 100

61 160.3 118.5 220.1

98 64.0 44.9 83.5



#19

1,1-Dichloroethane

Concen: 4.27 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028171.D

Acq: 15 Nov 2018 15:04

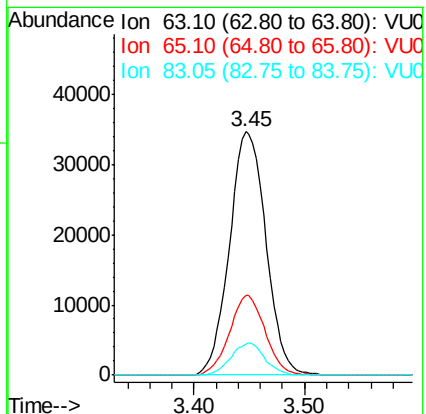
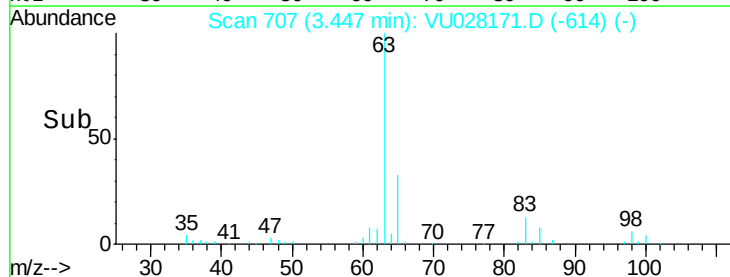
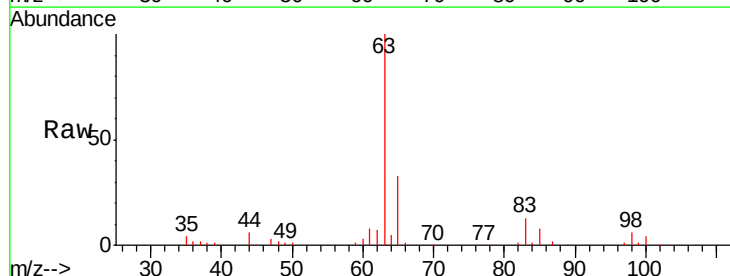
Tgt Ion: 63 Resp: 79366

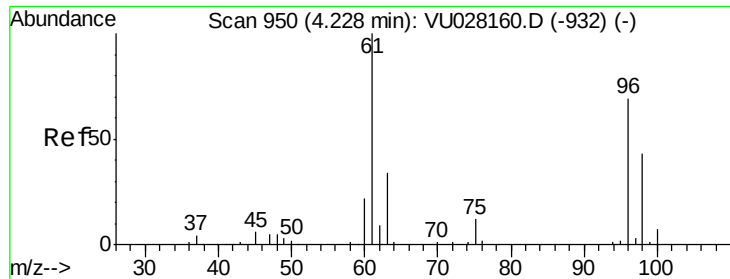
Ion Ratio Lower Upper

63 100

65 32.7 22.2 41.2

83 12.6 8.9 16.5





#22

cis-1,2-Dichloroethene

Concen: 1.77 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028171.D

Acq: 15 Nov 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

H0FH7

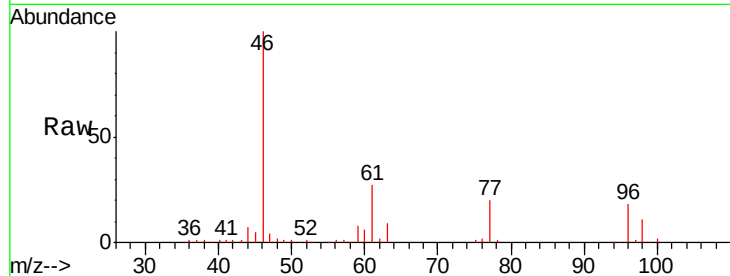
Tgt Ion: 96 Resp: 17273

Ion Ratio Lower Upper

96 100

61 148.8 101.8 189.0

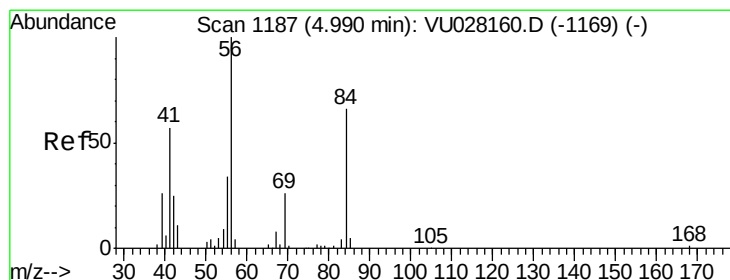
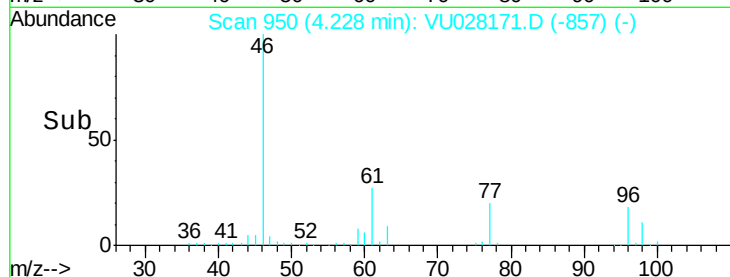
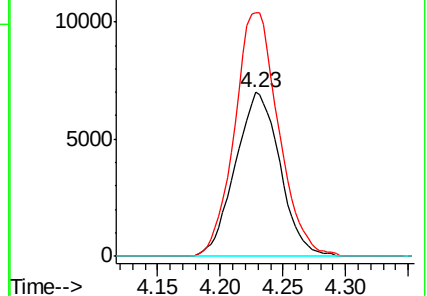
68 0.0 0.0 0.0



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



#30

Cyclohexane

Concen: 0.17 ug/L

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU028171.D

Acq: 15 Nov 2018 15:04

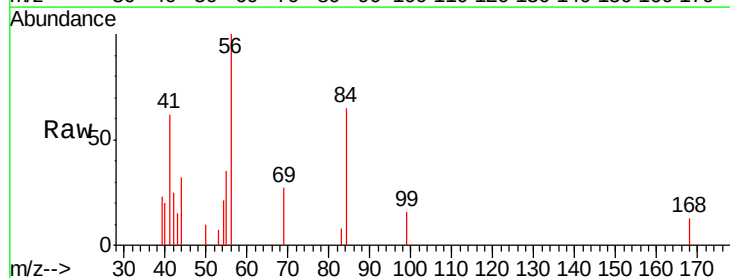
Tgt Ion: 56 Resp: 3345

Ion Ratio Lower Upper

56 100

69 27.1 22.6 33.8

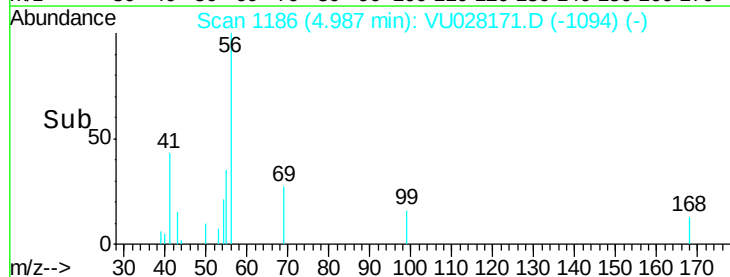
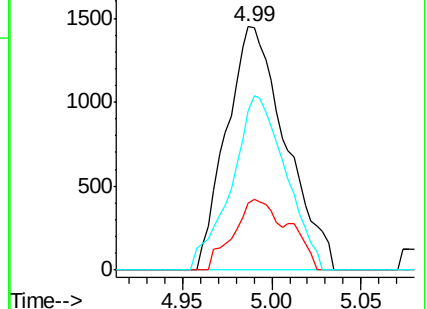
84 65.7 57.7 86.5

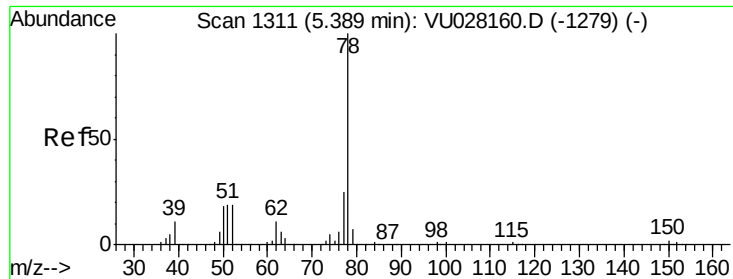


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#33

Benzene

Concen: 0.78 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU028171.D

Acq: 15 Nov 2018 15:04

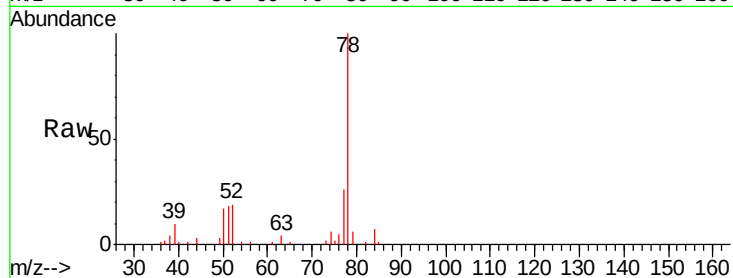
Instrument :

MSVOA_U

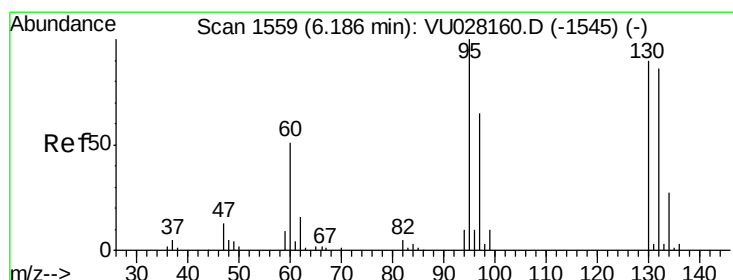
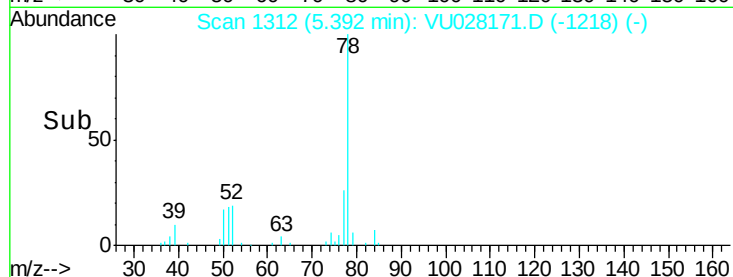
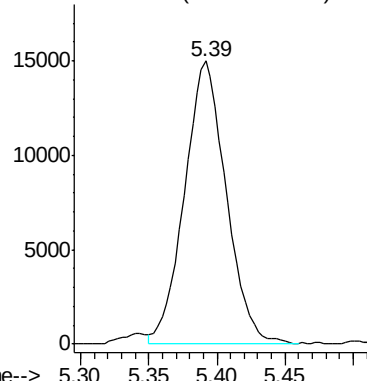
ClientSampleId :

H0FH7

Tgt Ion: 78 Resp: 31873



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.54 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028171.D

Acq: 15 Nov 2018 15:04

Tgt Ion: 95 Resp: 5409

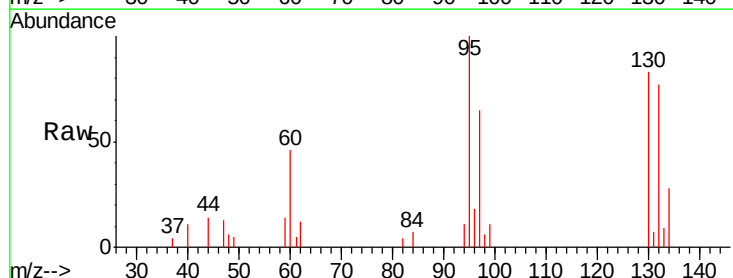
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.3	84.1
132	77.2	63.0	117.0
130	83.2	63.6	118.2

95 100

97 64.9 45.3 84.1

132 77.2 63.0 117.0

130 83.2 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

