

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028152.D
 Acq On : 15 Nov 2018 04:28
 Operator : MD/SY
 Sample : J5943-14MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FL1MSD

Quant Time: Nov 15 08:02:54 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	130735	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	124738	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	57550	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51264	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.68	69	37887	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.28	63	92694	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	4.21	46	169444	53.85	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.70%
24) Chloroform-d	4.65	84	79239	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.31	65	46089	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.34	84	164818	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.33	67	61903	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.57	98	145544	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	7.85	79	18098	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	8.32	63	129804	49.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	43401	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	51146	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

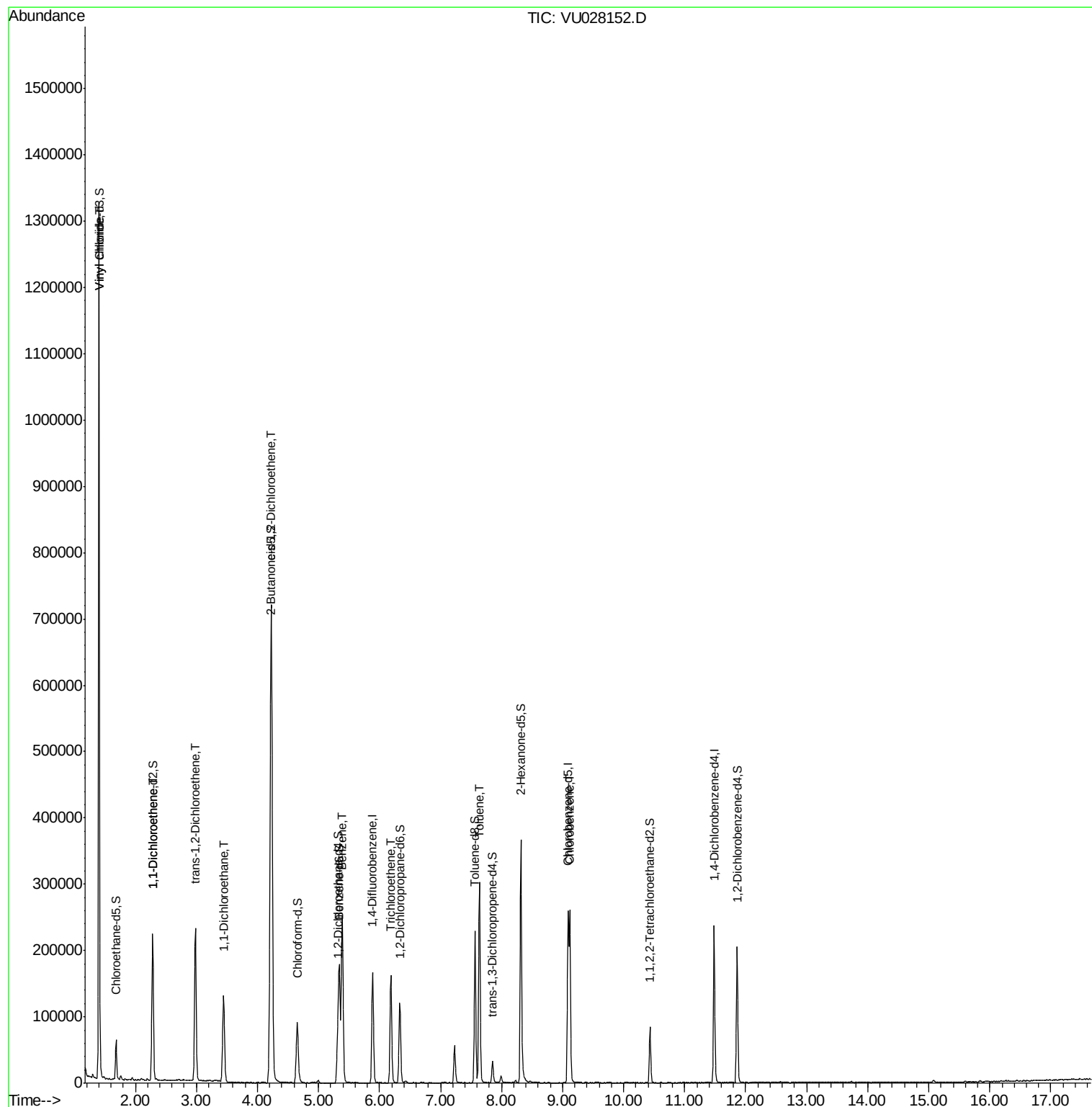
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	814188	58.143	ug/L	98
12) 1,1-Dichloroethene	2.29	96	45420	5.225	ug/L	93
18) trans-1,2-Dichloroethene	2.98	96	77058	8.338	ug/L	97
19) 1,1-Dichloroethane	3.45	63	144158	7.417	ug/L	100
22) cis-1,2-Dichloroethene	4.23	96	348727	34.224	ug/L	97
33) Benzene	5.39	78	237143	5.643	ug/L	100
34) Trichloroethene	6.19	95	57249	5.512	ug/L	97
42) Toluene	7.64	91	215558	4.975	ug/L	97
51) Chlorobenzene	9.12	112	124886	4.929	ug/L	96

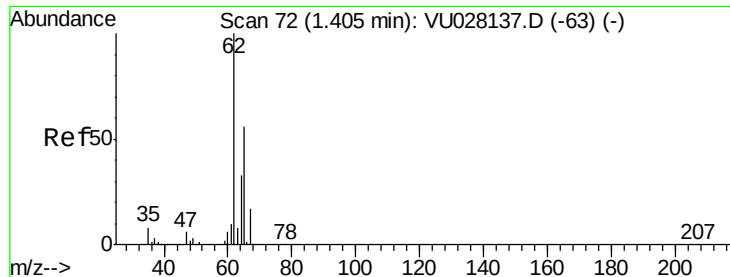
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 58.143 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028152.D

Acq: 15 Nov 2018 04:28

Instrument :

MSVOA_U

ClientSampleId :

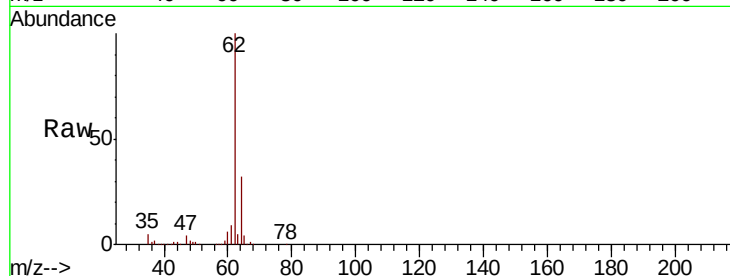
H0FL1MSD

Tot Ion: 62 Resp: 814188

Ion Ratio Lower Upper

62 100

64 31.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

800000

600000

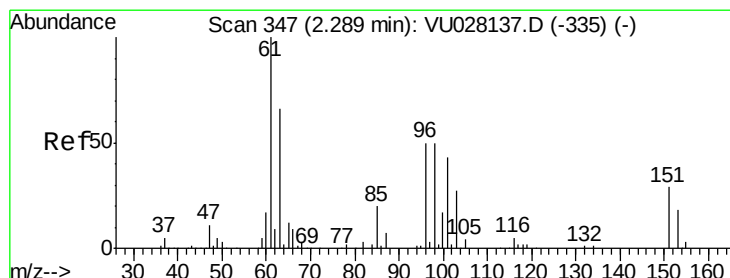
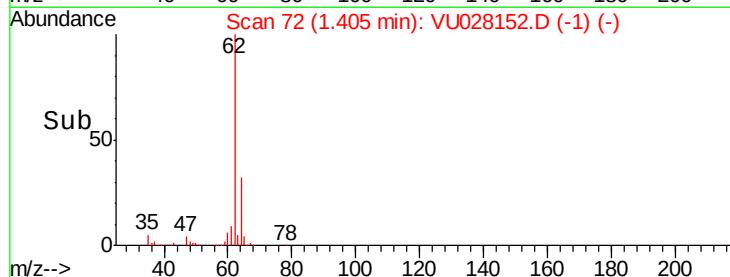
400000

200000

0

1.35 1.40 1.45 1.50

Time-->



#12

1,1-Dichloroethene

Concen: 5.225 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028152.D

Acq: 15 Nov 2018 04:28

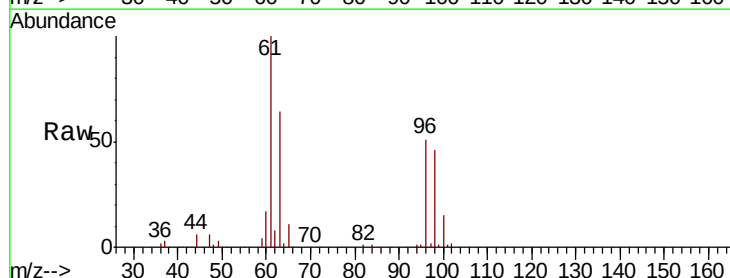
Tgt Ion: 96 Resp: 45420

Ion Ratio Lower Upper

96 100

61 195.3 134.8 250.3

63 125.4 100.1 185.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

80000

60000

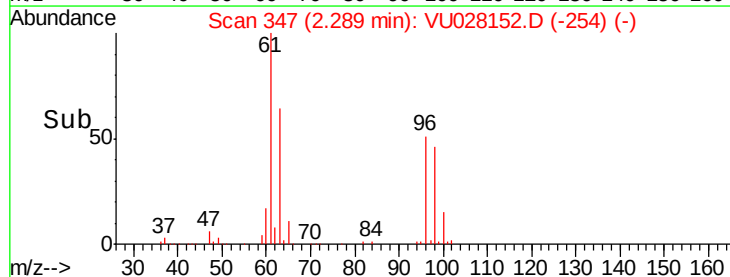
40000

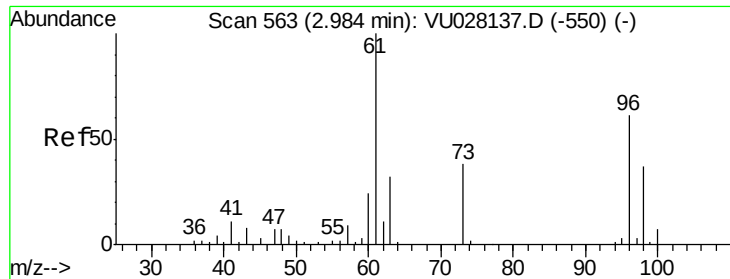
20000

0

2.25 2.30 2.35

Time-->

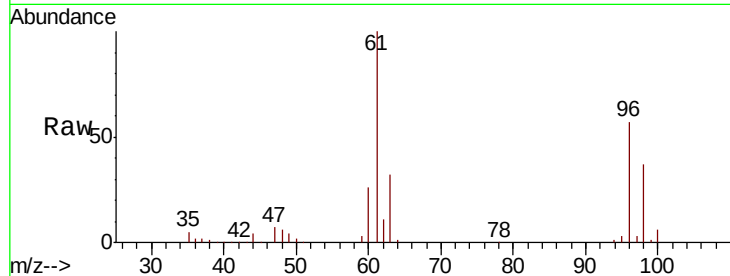




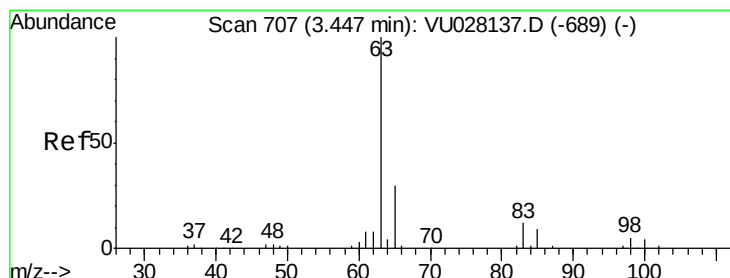
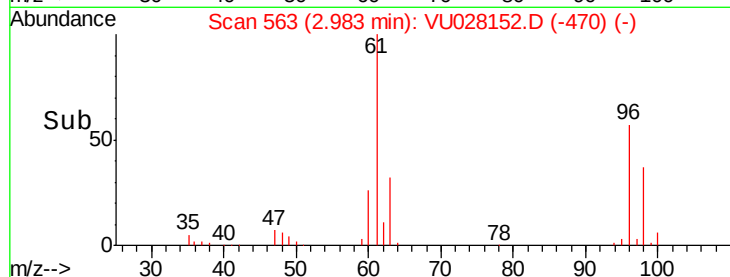
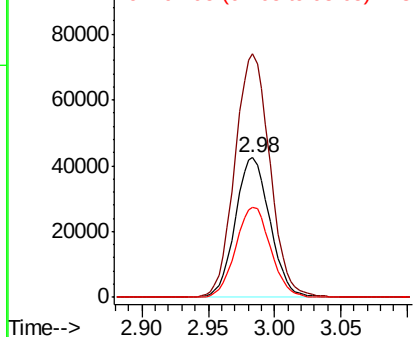
#18
 trans-1,2-Dichloroethene
 Concen: 8.338 ug/L
 RT: 2.98 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VU028152.D
 Acq: 15 Nov 2018 04:28

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FL1MSD

Tot Ion: 96 Resp: 77058
 Ion Ratio Lower Upper
 96 100
 61 174.8 118.5 220.1
 98 64.7 44.9 83.5

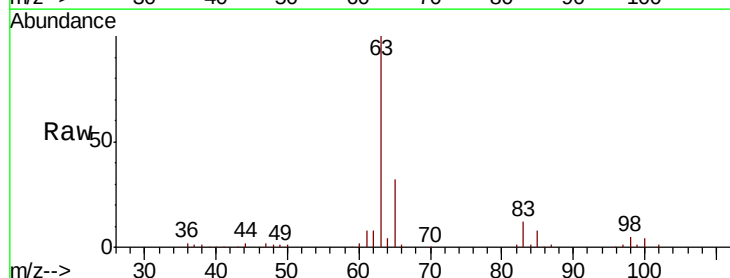


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

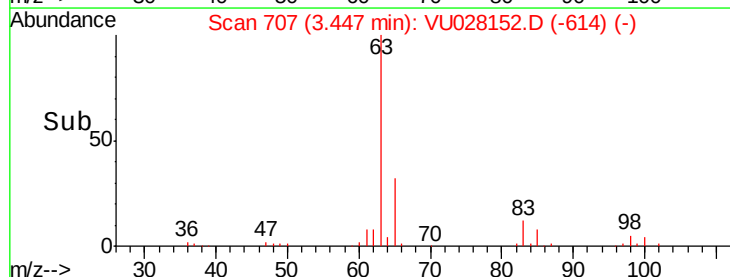
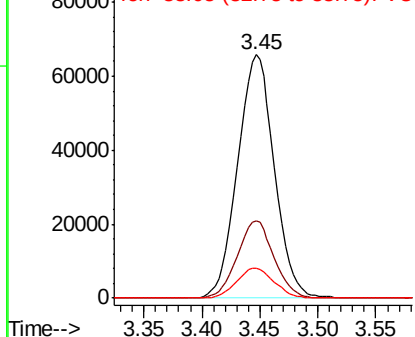


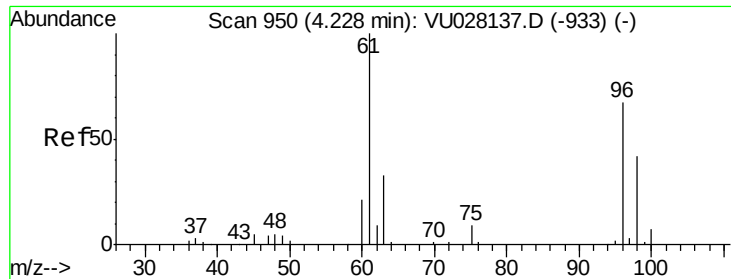
#19
 1,1-Dichloroethane
 Concen: 7.417 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU028152.D
 Acq: 15 Nov 2018 04:28

Tgt Ion: 63 Resp: 144158
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.2 41.2
 83 12.4 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: 34.224 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028152.D

Acq: 15 Nov 2018 04:28

Instrument :

MSVOA_U

ClientSampleId :

H0FL1MSD

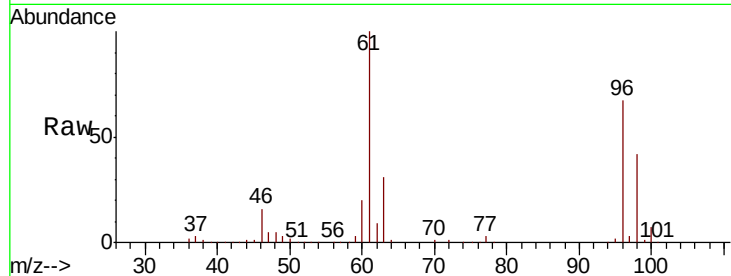
Tot Ion: 96 Resp: 348727

Ion Ratio Lower Upper

96 100

61 149.4 101.8 189.0

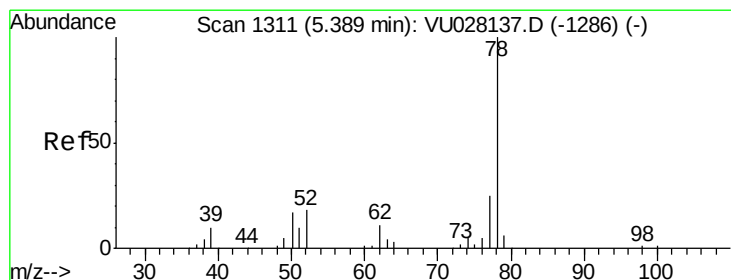
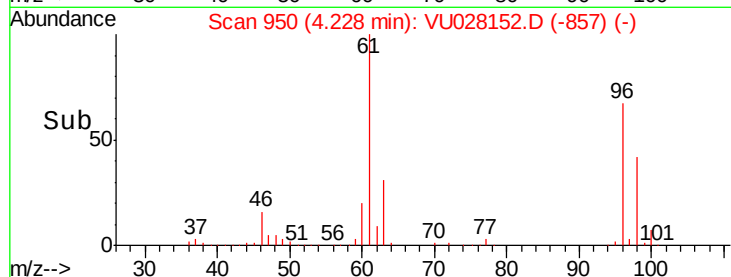
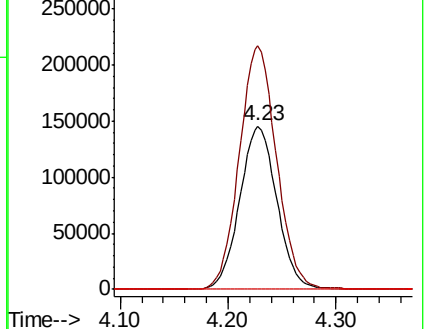
68 0.0 0.0 0.0



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



#33

Benzene

Concen: 5.643 ug/L

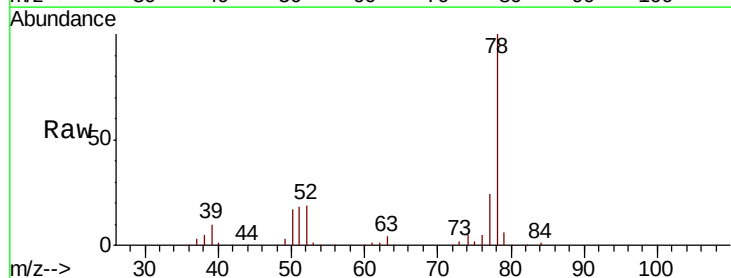
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

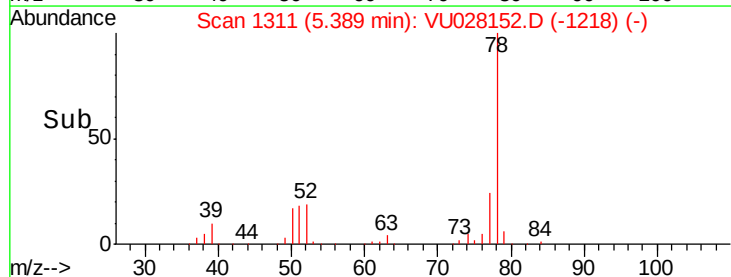
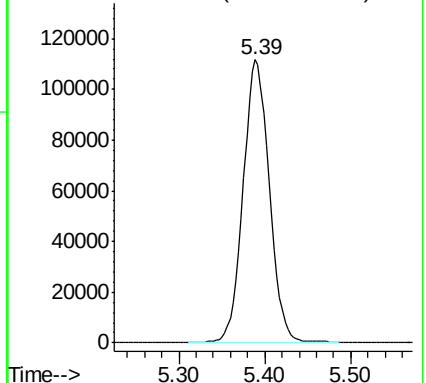
Lab File: VU028152.D

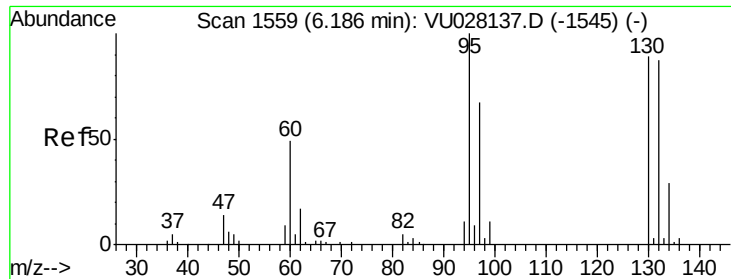
Acq: 15 Nov 2018 04:28

Tgt Ion: 78 Resp: 237143



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.512 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028152.D

Acq: 15 Nov 2018 04:28

Instrument :

MSVOA_U

ClientSampleId :

H0FL1MSD

Tot Ion: 95 Resp: 57249

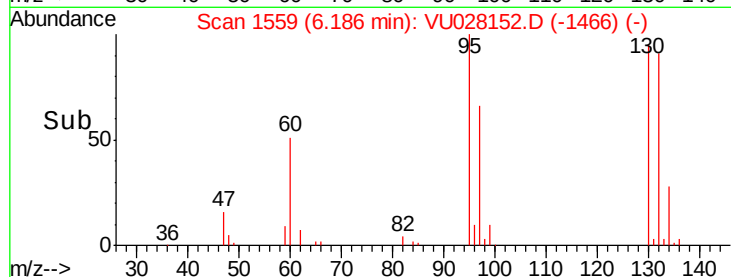
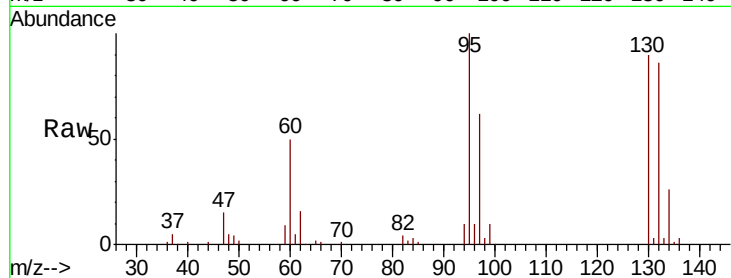
Ion Ratio Lower Upper

95 100

97 62.3 45.3 84.1

132 86.0 63.0 117.0

130 90.2 63.6 118.2

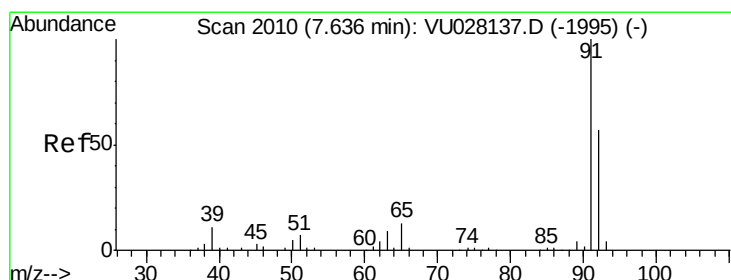
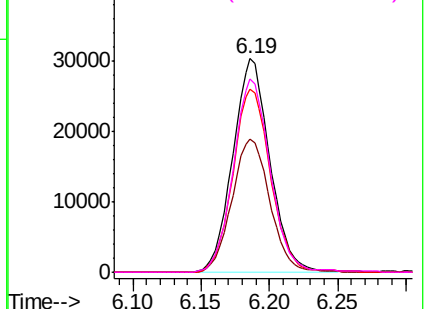


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#42

Toluene

Concen: 4.975 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028152.D

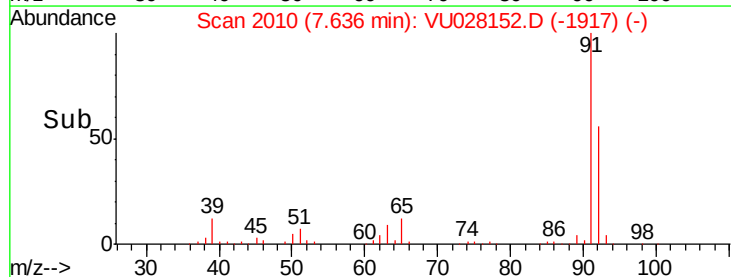
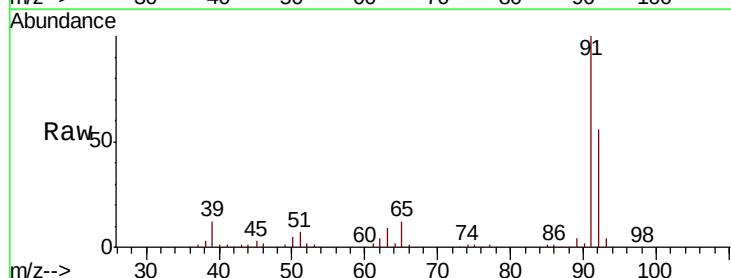
Acq: 15 Nov 2018 04:28

Tgt Ion: 91 Resp: 215558

Ion Ratio Lower Upper

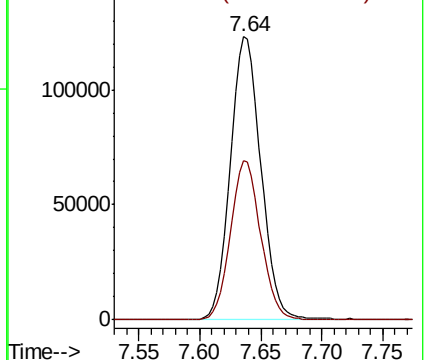
91 100

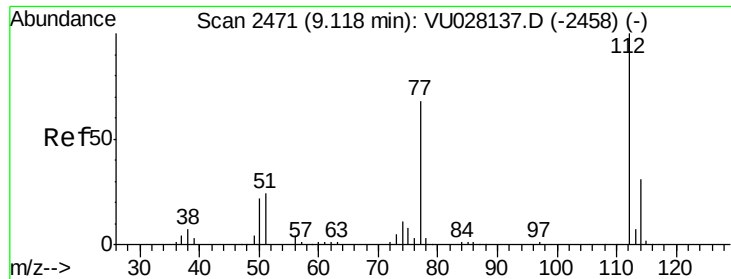
92 56.3 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#51
 Chlorobenzene
 Concen: 4.929 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. -0.00 min
 Lab File: VU028152.D
 Acq: 15 Nov 2018 04:28

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 MSVOA_U
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.5	41.7
77	68.7	51.3	76.9

