

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028151.D
 Acq On : 15 Nov 2018 04:05
 Operator : MD/SY
 Sample : J5943-13MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FL1MS

Quant Time: Nov 15 08:00:34 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	134423	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	127026	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	60563	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53154	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.68	69	40046	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.28	63	96754	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.80%
20) 2-Butanone-d5	4.21	46	182652	56.46	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.92%
24) Chloroform-d	4.65	84	84326	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.31	65	50369	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.34	84	173647	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.33	67	64112	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.57	98	154043	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.85	79	19039	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.31	63	139703	52.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	46261	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	53481	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

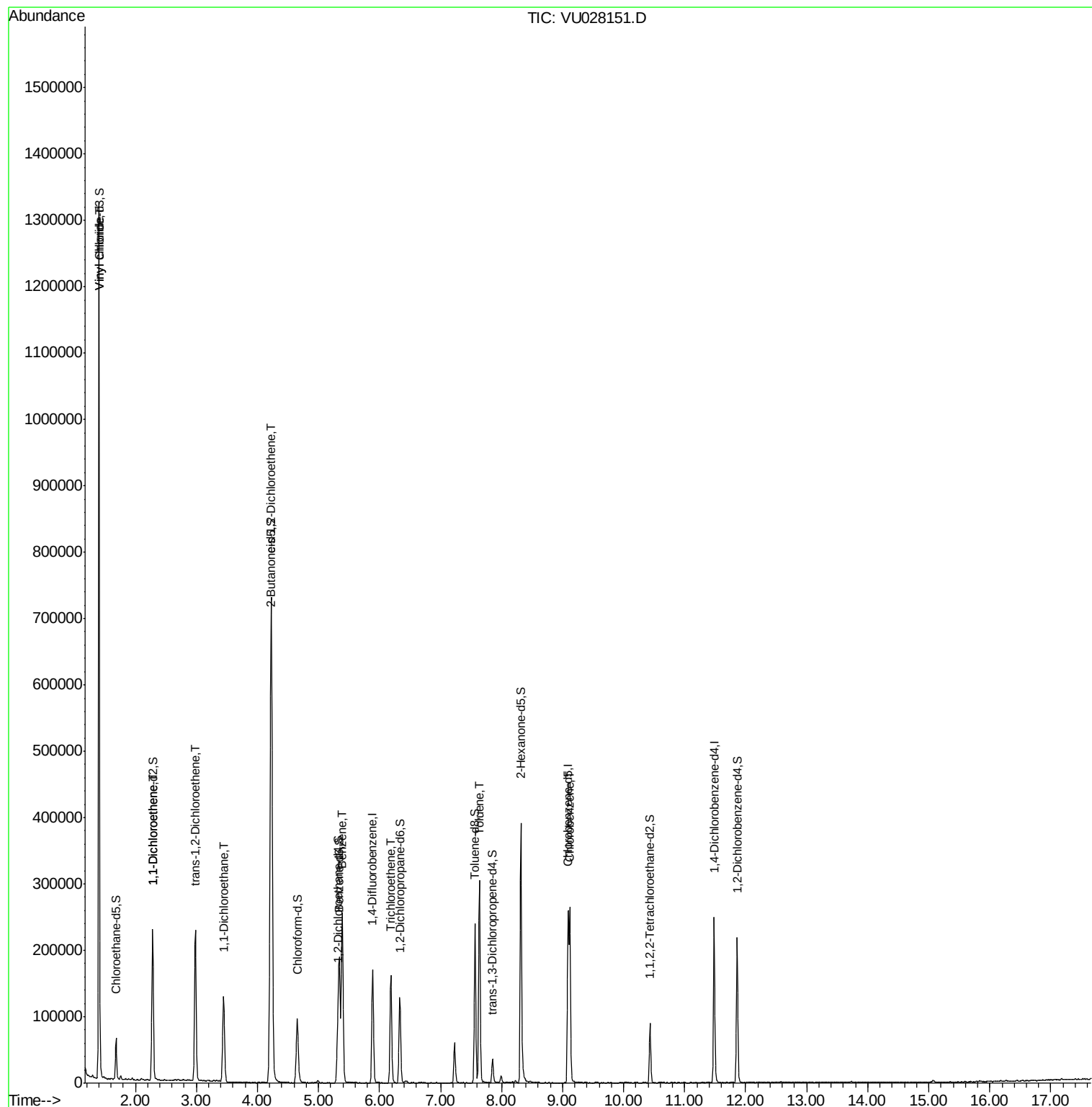
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	812313	56.417	ug/L	99
12) 1,1-Dichloroethene	2.29	96	44353	4.962	ug/L	91
18) trans-1,2-Dichloroethene	2.98	96	76893	8.092	ug/L	100
19) 1,1-Dichloroethane	3.45	63	144314	7.221	ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	352097	33.607	ug/L	98
33) Benzene	5.39	78	237993	5.562	ug/L	100
34) Trichloroethene	6.19	95	57313	5.419	ug/L	98
42) Toluene	7.64	91	216850	4.915	ug/L	96
51) Chlorobenzene	9.12	112	125085	4.848	ug/L	98

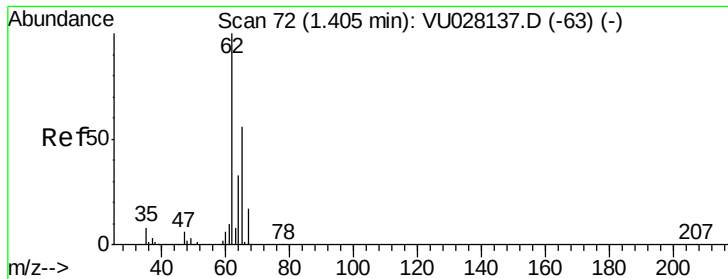
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 56.417 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028151.D

Acq: 15 Nov 2018 04:05

Instrument :

MSVOA_U

ClientSampleId :

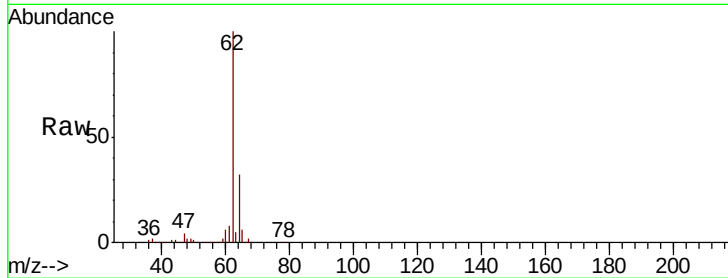
H0FL1MS

Tot Ion: 62 Resp: 812313

Ion Ratio Lower Upper

62 100

64 31.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

800000

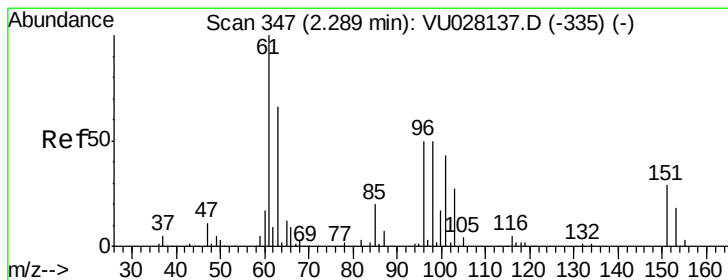
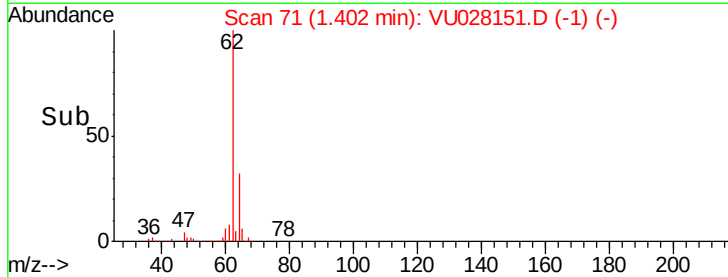
600000

400000

200000

0

Time-->



#12

1,1-Dichloroethene

Concen: 4.962 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028151.D

Acq: 15 Nov 2018 04:05

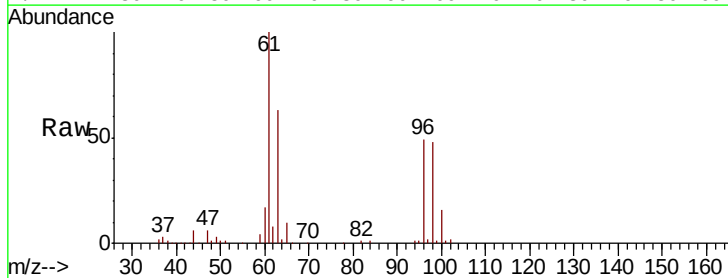
Tgt Ion: 96 Resp: 44353

Ion Ratio Lower Upper

96 100

61 202.6 134.8 250.3

63 126.9 100.1 185.9



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

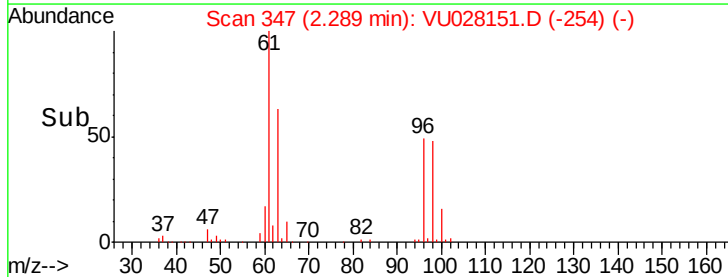
60000

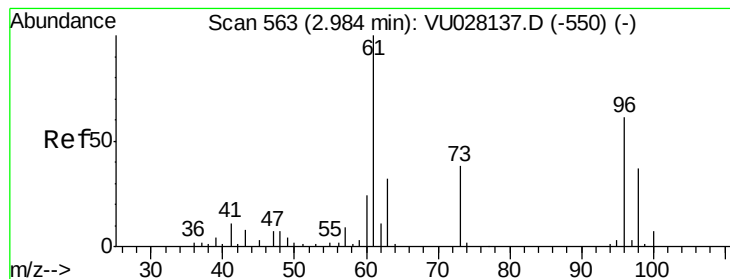
40000

20000

0

Time-->





#18

trans-1,2-Dichloroethene

Concen: 8.092 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028151.D

Acq: 15 Nov 2018 04:05

Instrument :

MSVOA_U

ClientSampleId :

H0FL1MS

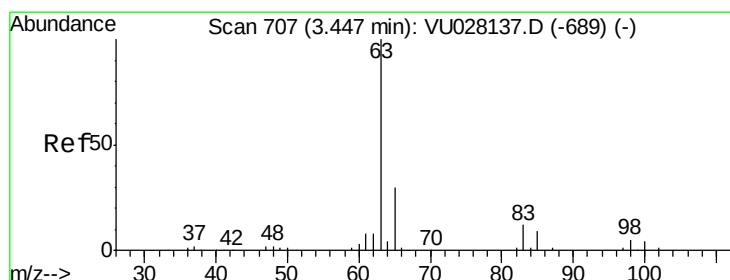
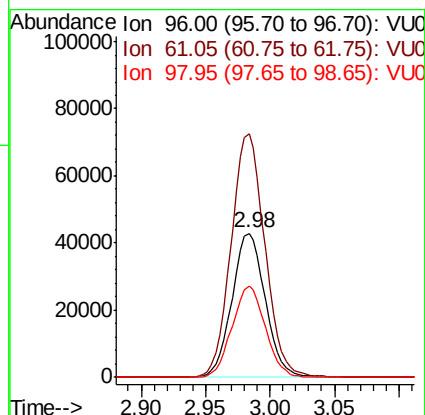
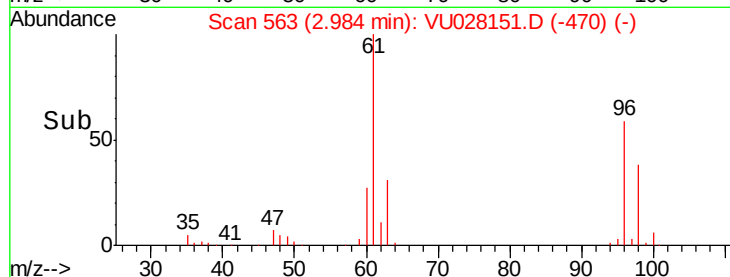
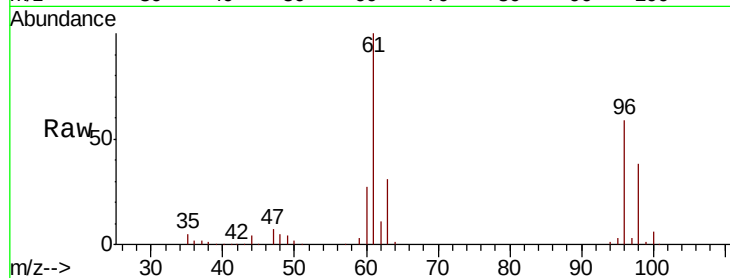
Tot Ion: 96 Resp: 76893

Ion Ratio Lower Upper

96 100

61 168.9 118.5 220.1

98 63.7 44.9 83.5



#19

1,1-Dichloroethane

Concen: 7.221 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028151.D

Acq: 15 Nov 2018 04:05

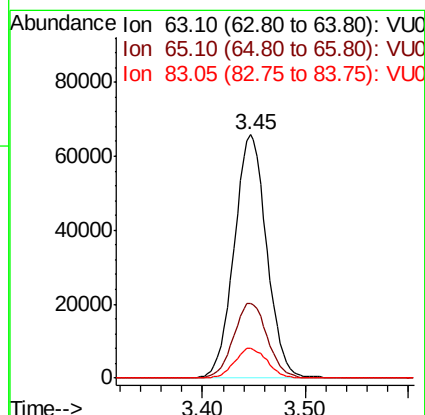
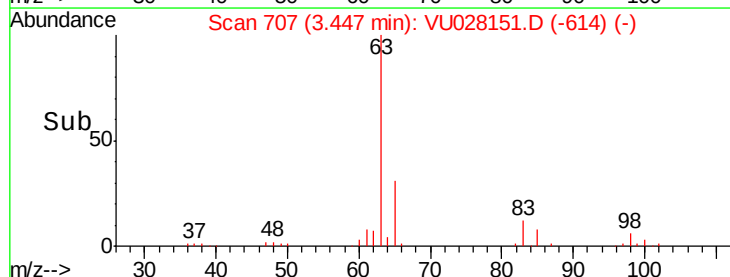
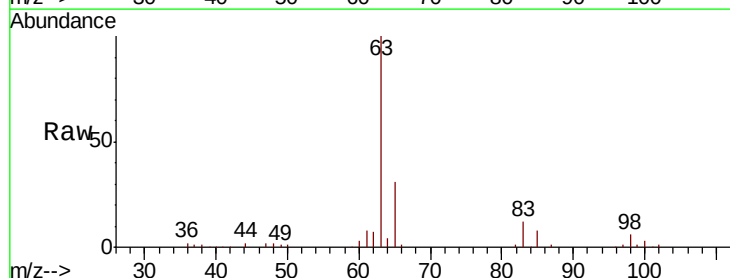
Tgt Ion: 63 Resp: 144314

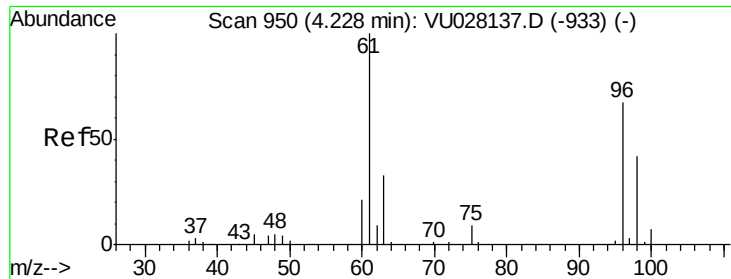
Ion Ratio Lower Upper

63 100

65 30.8 22.2 41.2

83 12.3 8.9 16.5





#22

cis-1,2-Dichloroethene

Concen: 33.607 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028151.D

Acq: 15 Nov 2018 04:05

Instrument :

MSVOA_U

ClientSampleId :

H0FL1MS

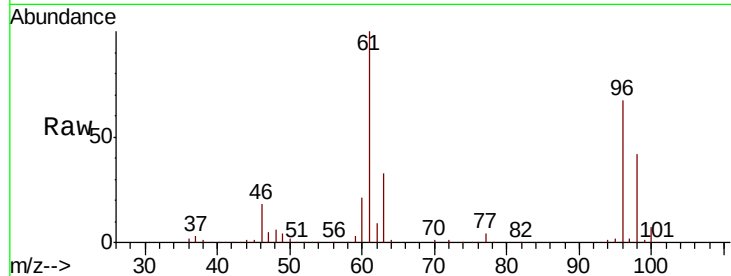
Tot Ion: 96 Resp: 352097

Ion Ratio Lower Upper

96 100

61 148.2 101.8 189.0

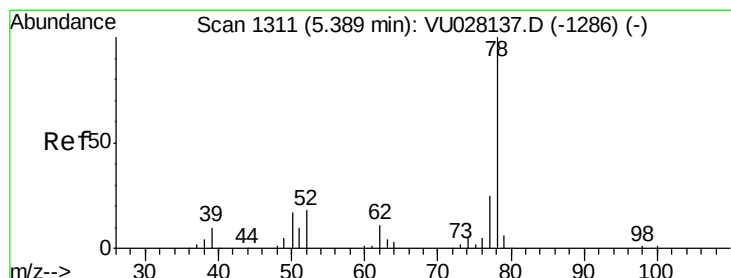
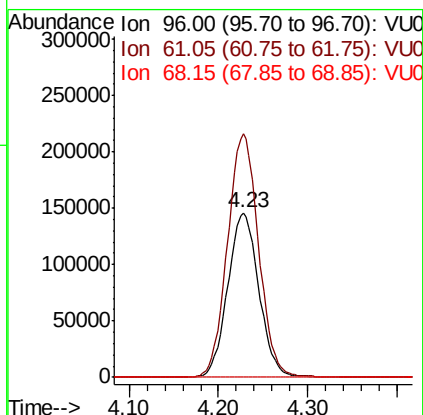
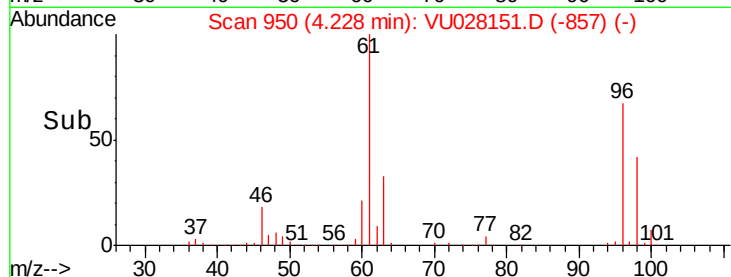
68 0.0 0.0 0.0



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



#33

Benzene

Concen: 5.562 ug/L

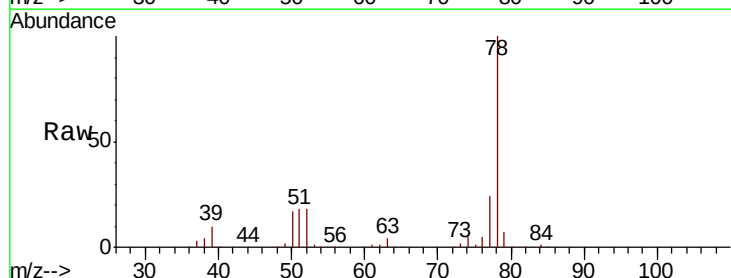
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

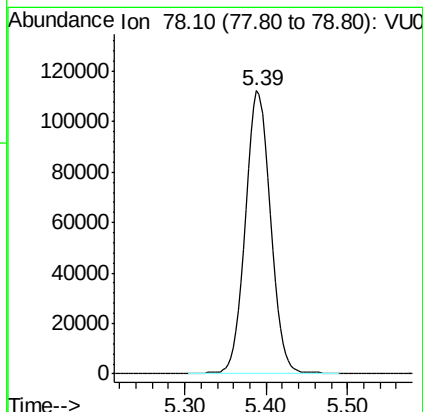
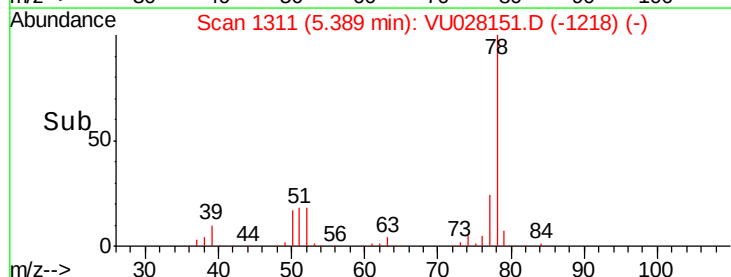
Lab File: VU028151.D

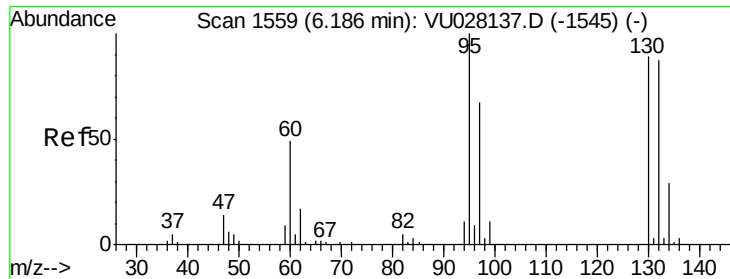
Acq: 15 Nov 2018 04:05

Tgt Ion: 78 Resp: 237993



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.419 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028151.D

Acq: 15 Nov 2018 04:05

Instrument :

MSVOA_U

ClientSampleId :

H0FL1MS

Tot Ion: 95 Resp: 57313

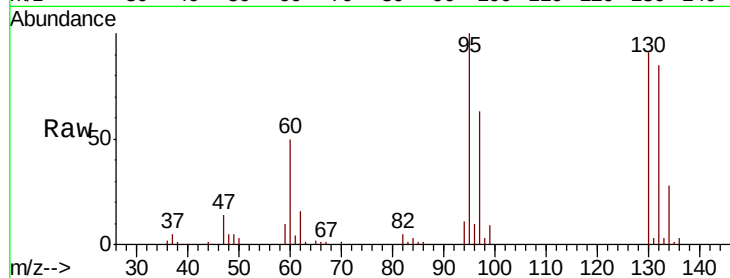
Ion Ratio Lower Upper

95 100

97 62.8 45.3 84.1

132 85.4 63.0 117.0

130 90.9 63.6 118.2

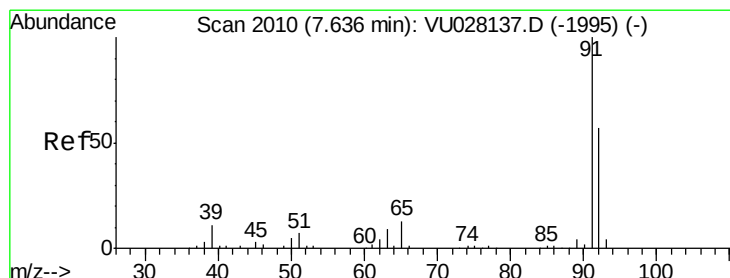
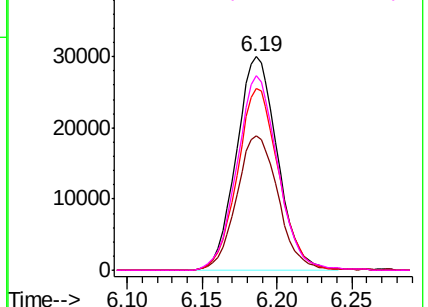
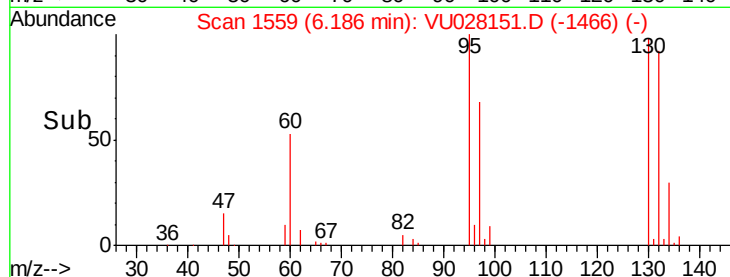


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.915 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028151.D

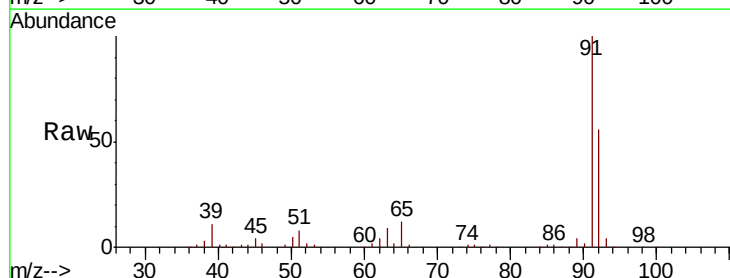
Acq: 15 Nov 2018 04:05

Tgt Ion: 91 Resp: 216850

Ion Ratio Lower Upper

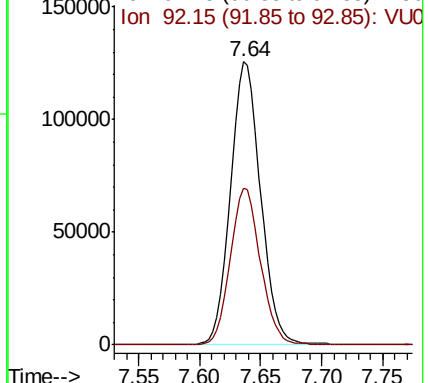
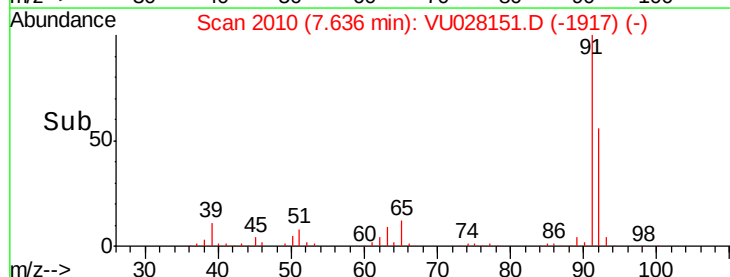
91 100

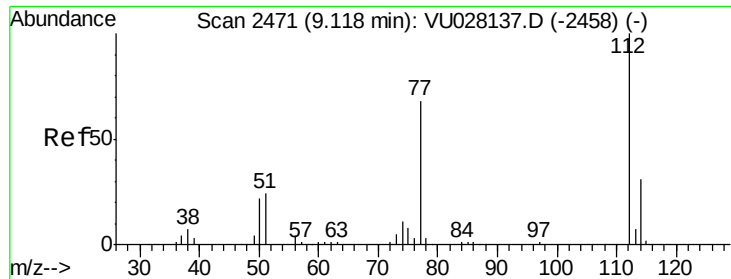
92 55.5 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#51

Chlorobenzene

Concen: 4.848 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028151.D

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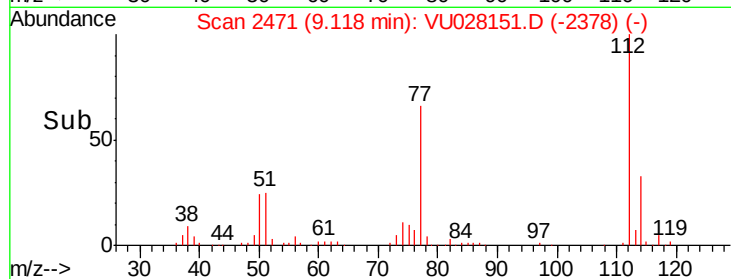
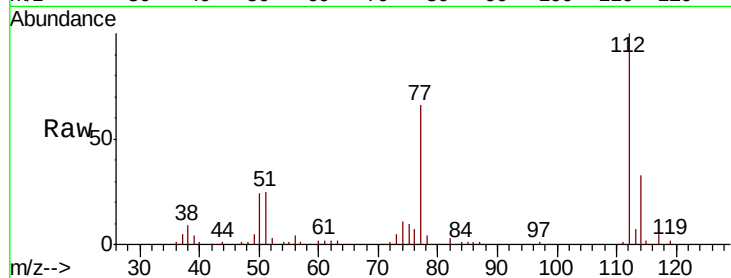
Tot Ion:112 Resp: 125085

Ion Ratio Lower Upper

112 100

114 33.3 22.5 41.7

77 65.6 51.3 76.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

