

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111518\
 Data File : VU028168.D
 Acq On : 15 Nov 2018 12:56
 Operator : MD/SY
 Sample : J5943-07DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH6DL

Quant Time: Nov 21 07:47:45 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	135268	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	129912	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	59854	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42268	3.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.40%
7) Chloroethane-d5	1.68	69	37666	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.28	63	63170	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	4.19	46	160638	49.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.68%
24) Chloroform-d	4.65	84	80356	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.31	65	46121	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.34	84	165684	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.33	67	61006	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.57	98	144849	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	7.85	79	17672	3.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.40%
46) 2-Hexanone-d5	8.31	63	122833	45.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	41560	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	48804	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

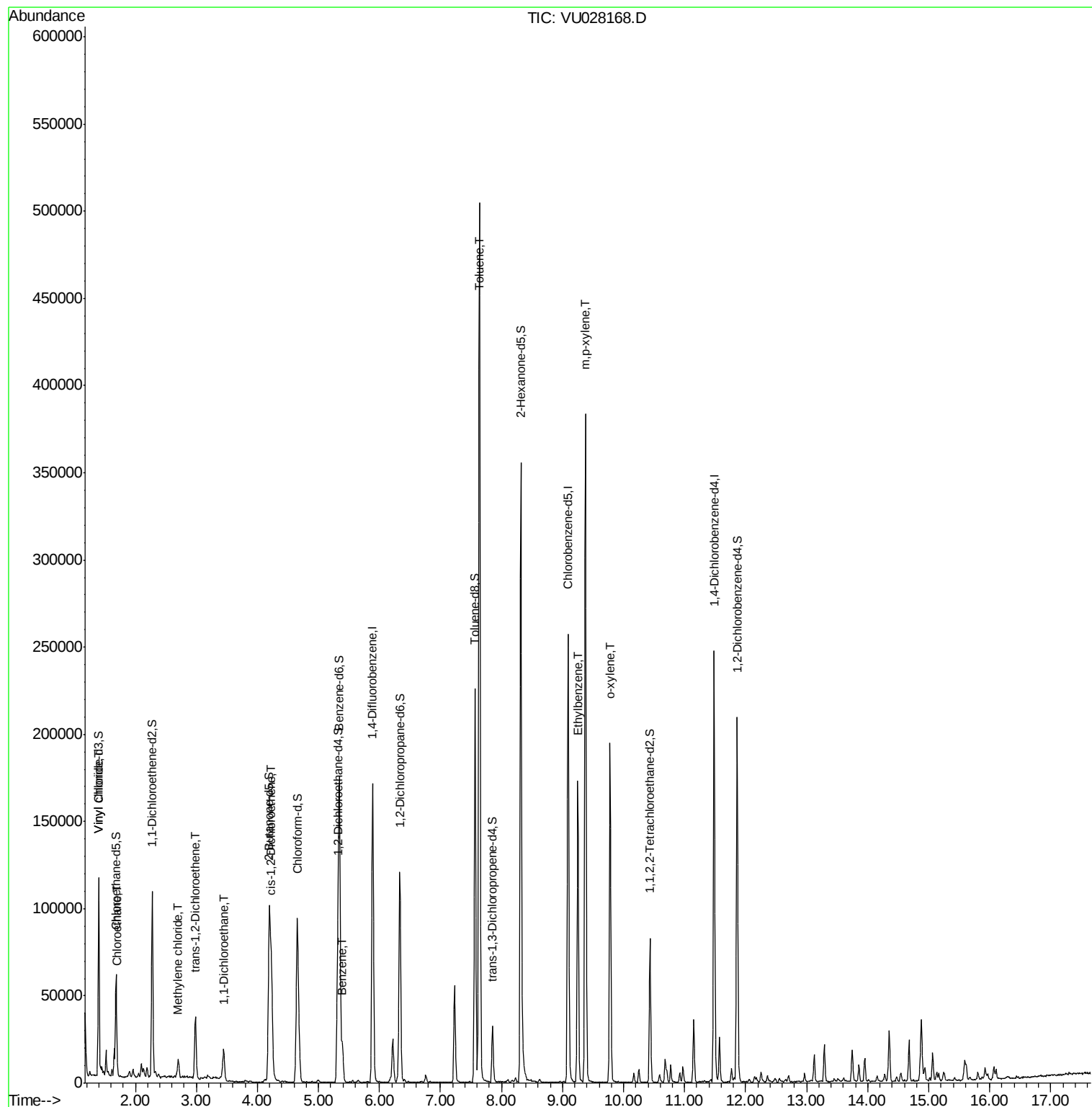
					Ovalue
5) Vinyl chloride	1.40	62	33136	2.287	ug/L 100
8) Chloroethane	1.70	64	4320	0.495	ug/L 84
16) Methylene chloride	2.70	84	3439	0.324	ug/L 90
18) trans-1,2-Dichloroethene	2.98	96	11604	1.214	ug/L 99
19) 1,1-Dichloroethane	3.45	63	19953	0.992	ug/L 98
22) cis-1,2-Dichloroethene	4.23	96	25354	2.405	ug/L 97
33) Benzene	5.39	78	19652	0.449	ug/L 100
42) Toluene	7.64	91	354616	7.858	ug/L 97
52) Ethylbenzene	9.25	91	117358	2.383	ug/L 98
53) m,p-xylene	9.38	106	97865	5.454	ug/L 92
54) o-xylene	9.78	106	48389	2.801	ug/L 100

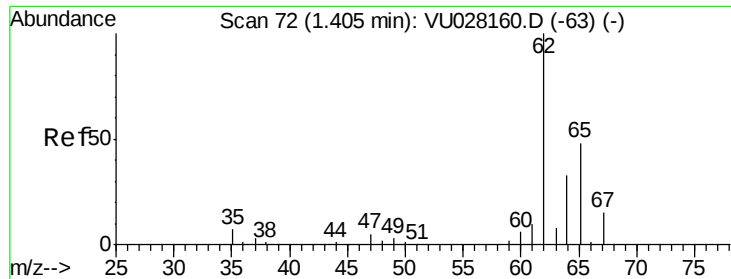
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 16 00:43:47 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.287 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028168.D

Acq: 15 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

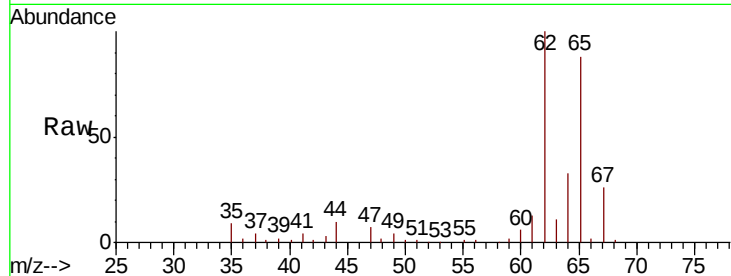
H0FH6DL

Tot Ion: 62 Resp: 33136

Ion Ratio Lower Upper

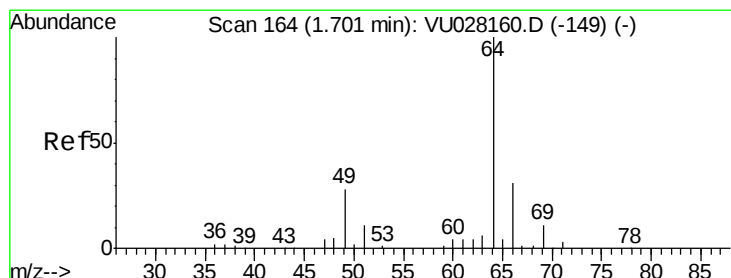
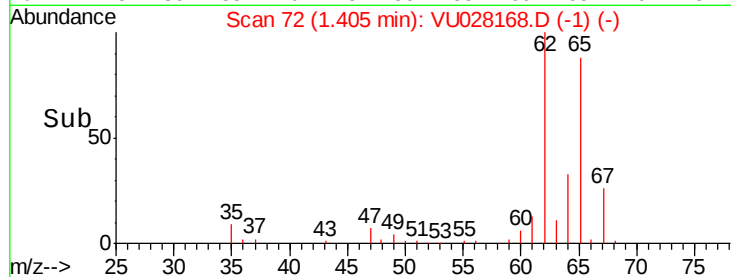
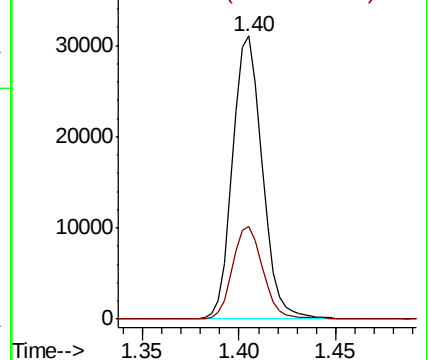
62 100

64 32.7 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: 0.495 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028168.D

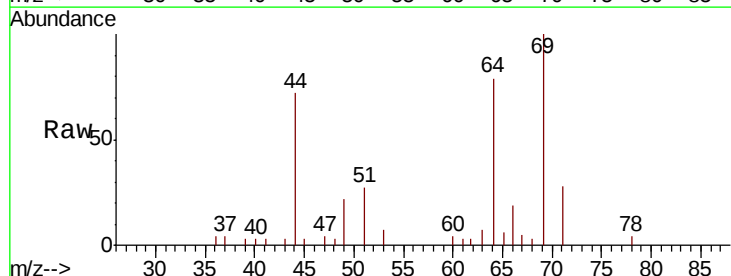
Acq: 15 Nov 2018 12:56

Tgt Ion: 64 Resp: 4320

Ion Ratio Lower Upper

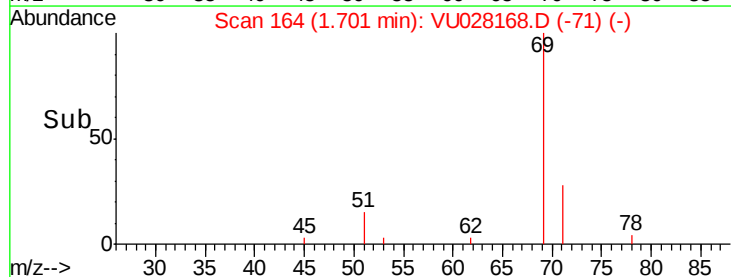
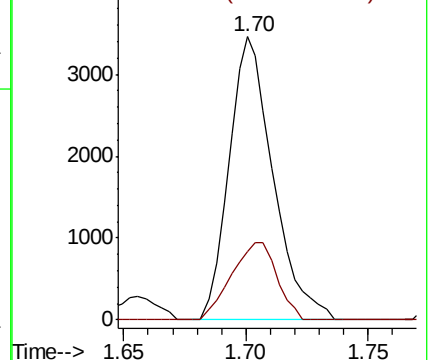
64 100

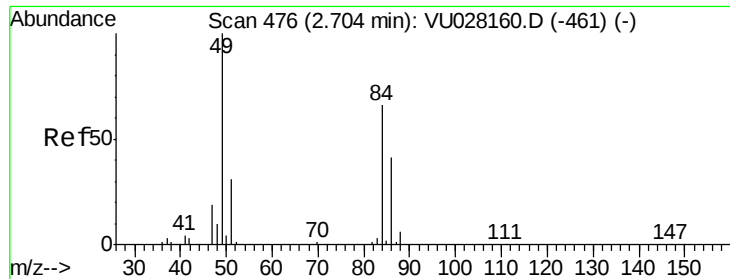
66 24.1 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

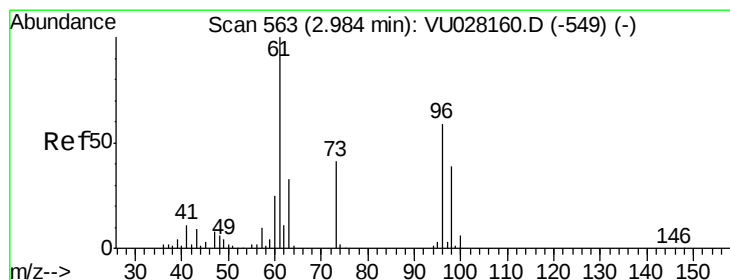
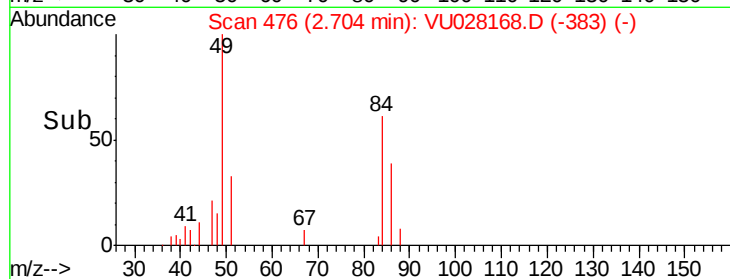
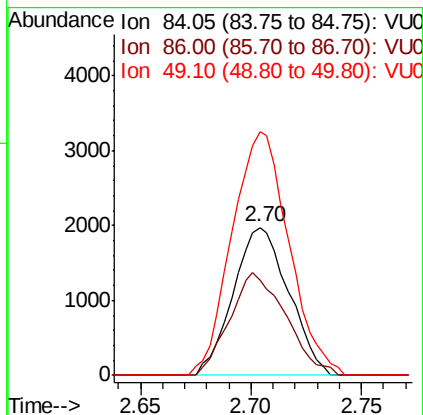
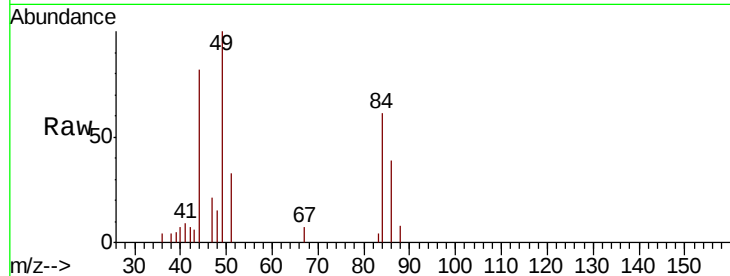




#16
Methvlene chloride
Concen: 0.324 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028168.D
Acq: 15 Nov 2018 12:56

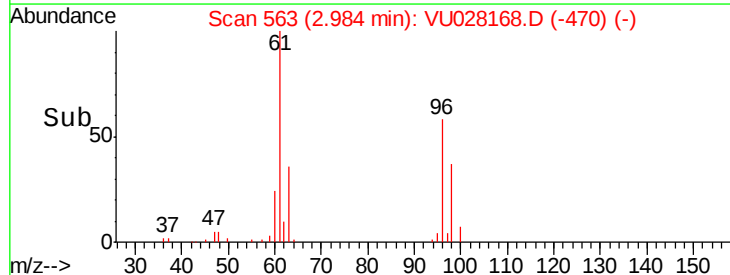
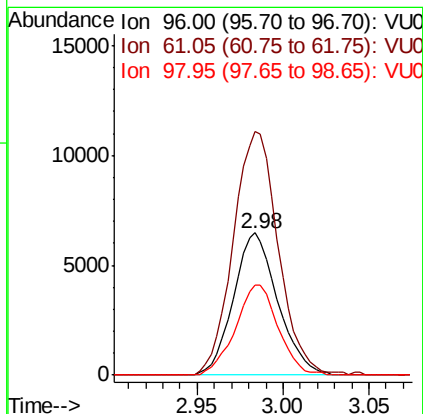
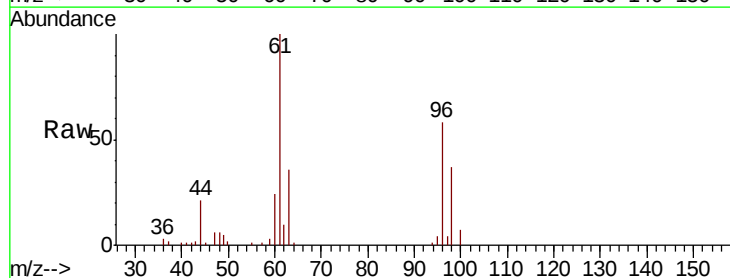
Instrument :
MSVOA_U
ClientSampleId :
H0FH6DL

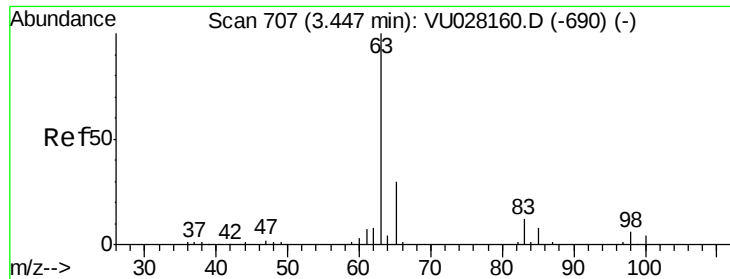
Tot Ion: 84 Resp: 3439
Ion Ratio Lower Upper
84 100
86 64.7 44.6 82.8
49 164.5 102.5 190.3



#18
trans-1,2-Dichloroethene
Concen: 1.214 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU028168.D
Acq: 15 Nov 2018 12:56

Tgt Ion: 96 Resp: 11604
Ion Ratio Lower Upper
96 100
61 171.1 118.5 220.1
98 63.5 44.9 83.5

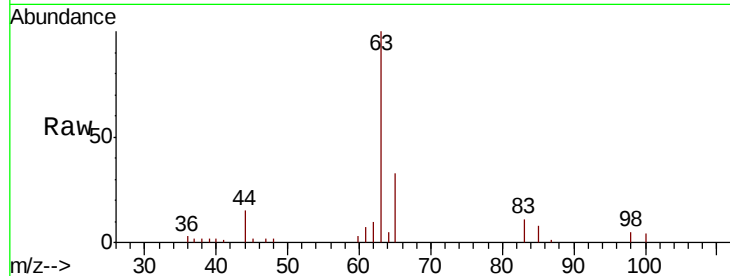




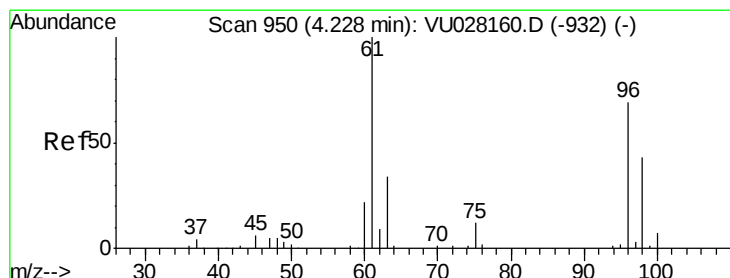
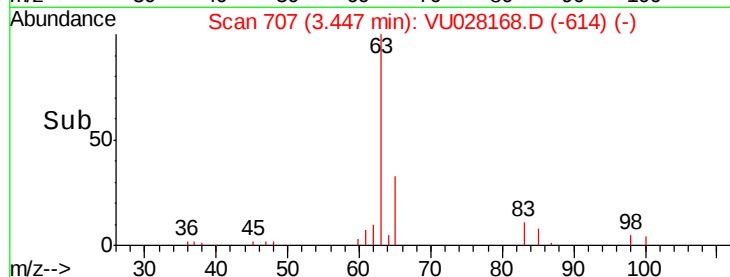
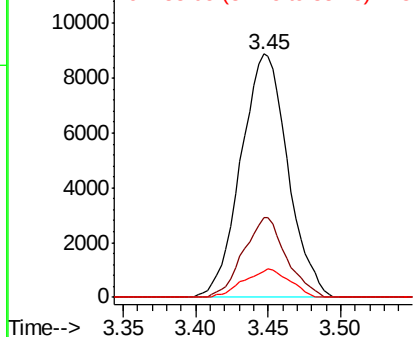
#19
 1,1-Dichloroethane
 Concen: 0.992 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU028168.D
 Acq: 15 Nov 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH6DL

Tot Ion: 63 Resp: 19953
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.2 41.2
 83 10.8 8.9 16.5

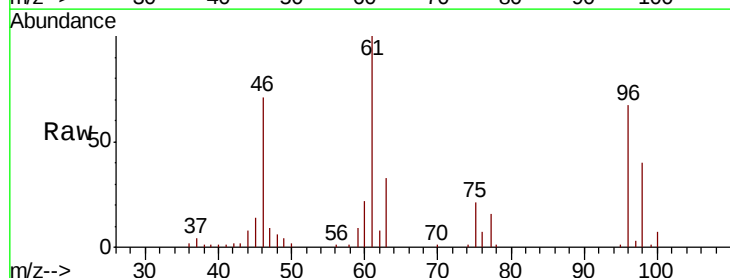


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

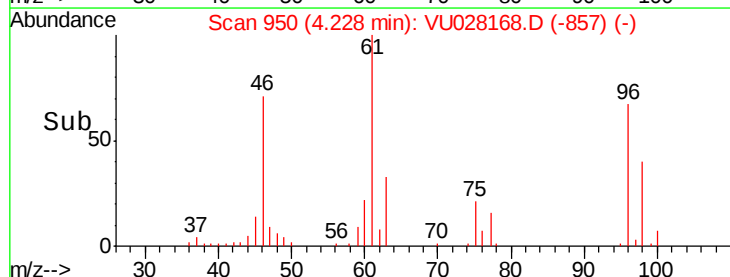
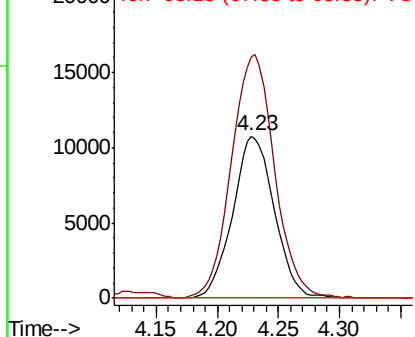


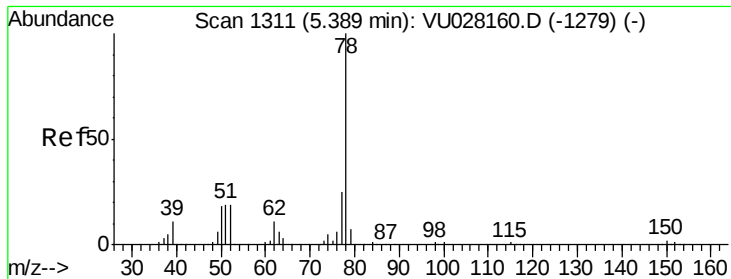
#22
 cis-1,2-Dichloroethene
 Concen: 2.405 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028168.D
 Acq: 15 Nov 2018 12:56

Tgt Ion: 96 Resp: 25354
 Ion Ratio Lower Upper
 96 100
 61 148.7 101.8 189.0
 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: 0.449 ug/L

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028168.D

Acq: 15 Nov 2018 12:56

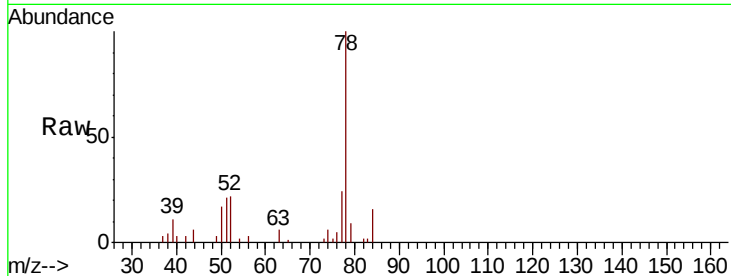
Instrument :

MSVOA_U

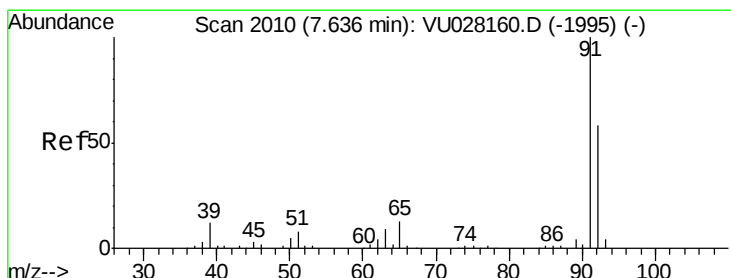
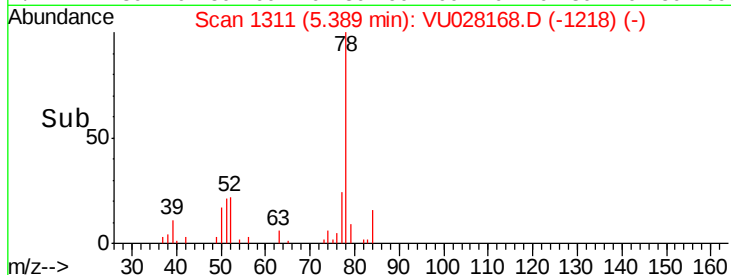
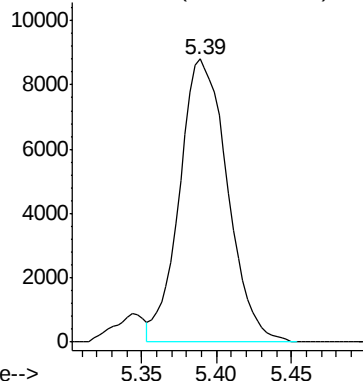
ClientSampleId :

H0FH6DL

Tgt Ion: 78 Resp: 19652



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 7.858 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028168.D

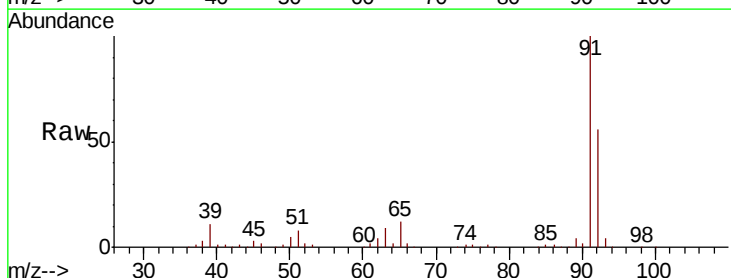
Acq: 15 Nov 2018 12:56

Tgt Ion: 91 Resp: 354616

Ion Ratio Lower Upper

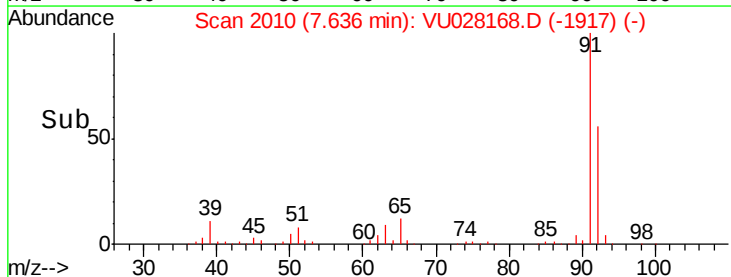
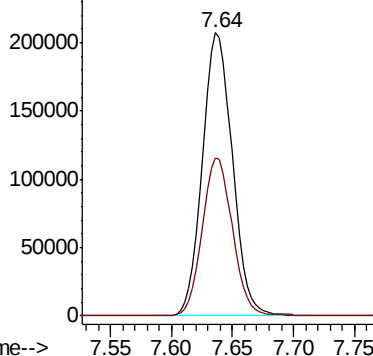
91 100

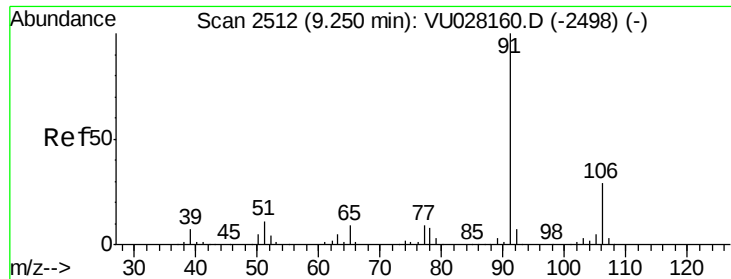
92 56.0 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#52

Ethylbenzene

Concen: 2.383 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028168.D

Acq: 15 Nov 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

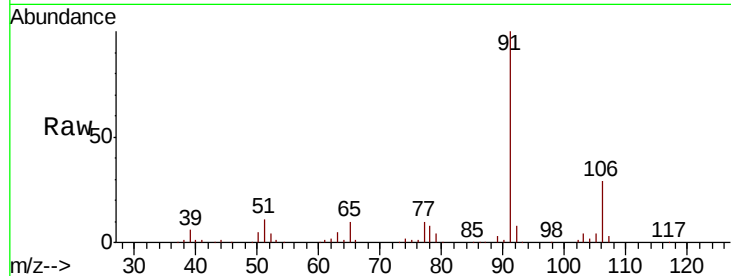
H0FH6DL

Tot Ion: 91 Resp: 117358

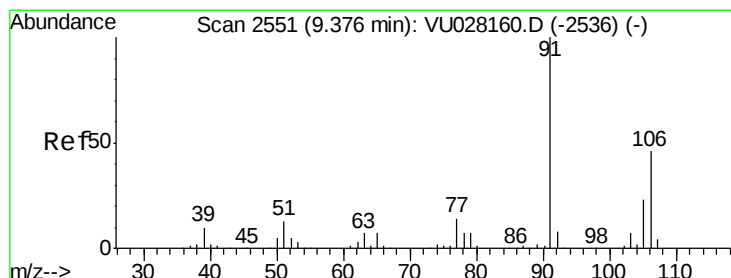
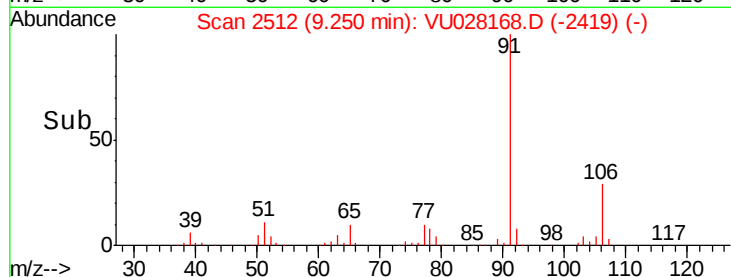
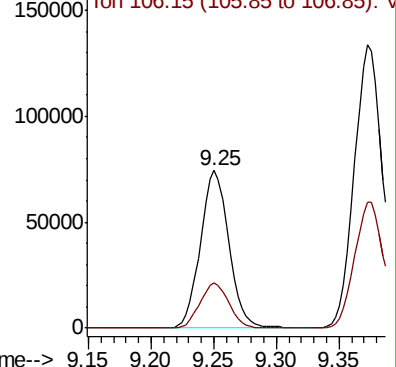
Ion Ratio Lower Upper

91 100

106 28.5 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU028168.D (-2419) (-)



#53

m,p-xylene

Concen: 5.454 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028168.D

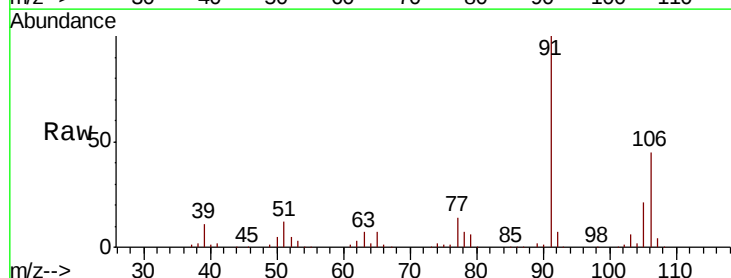
Acq: 15 Nov 2018 12:56

Tgt Ion: 106 Resp: 97865

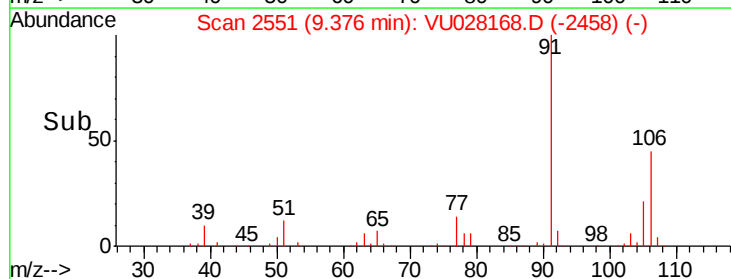
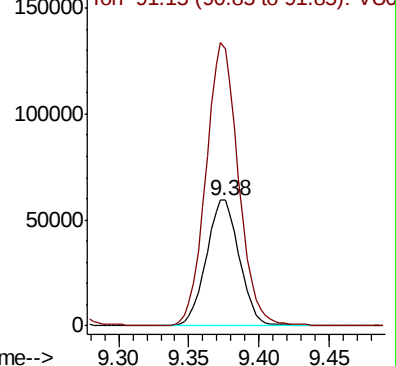
Ion Ratio Lower Upper

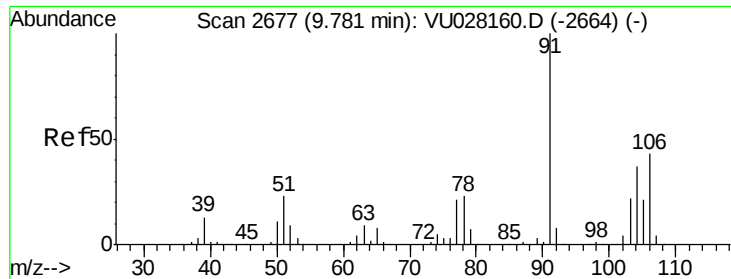
106 100

91 221.0 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): VU028168.D (-2458) (-)





#54
 o-xylene
 Concen: 2.801 ug/L
 RT: 9.78 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VU028168.D
 Acq: 15 Nov 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH6DL

Tot Ion:106 Resp: 48389
 Ion Ratio Lower Upper
 106 100
 91 226.4 158.7 294.7

