

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112118\
 Data File : VU028313.D
 Acq On : 21 Nov 2018 12:40
 Operator : MD/SY
 Sample : J6026-12MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FM0MS

Quant Time: Nov 21 23:27:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 22:33:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	173072	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	164670	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	73313	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67451	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.68	69	52932	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.28	63	132348	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	4.19	46	200934	46.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.20%
24) Chloroform-d	4.65	84	109526	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.31	65	63225	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.34	84	227701	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.33	67	83142	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.56	98	200672	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.85	79	29939	5.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.00%
46) 2-Hexanone-d5	8.31	63	139634	42.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57898	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	65107	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

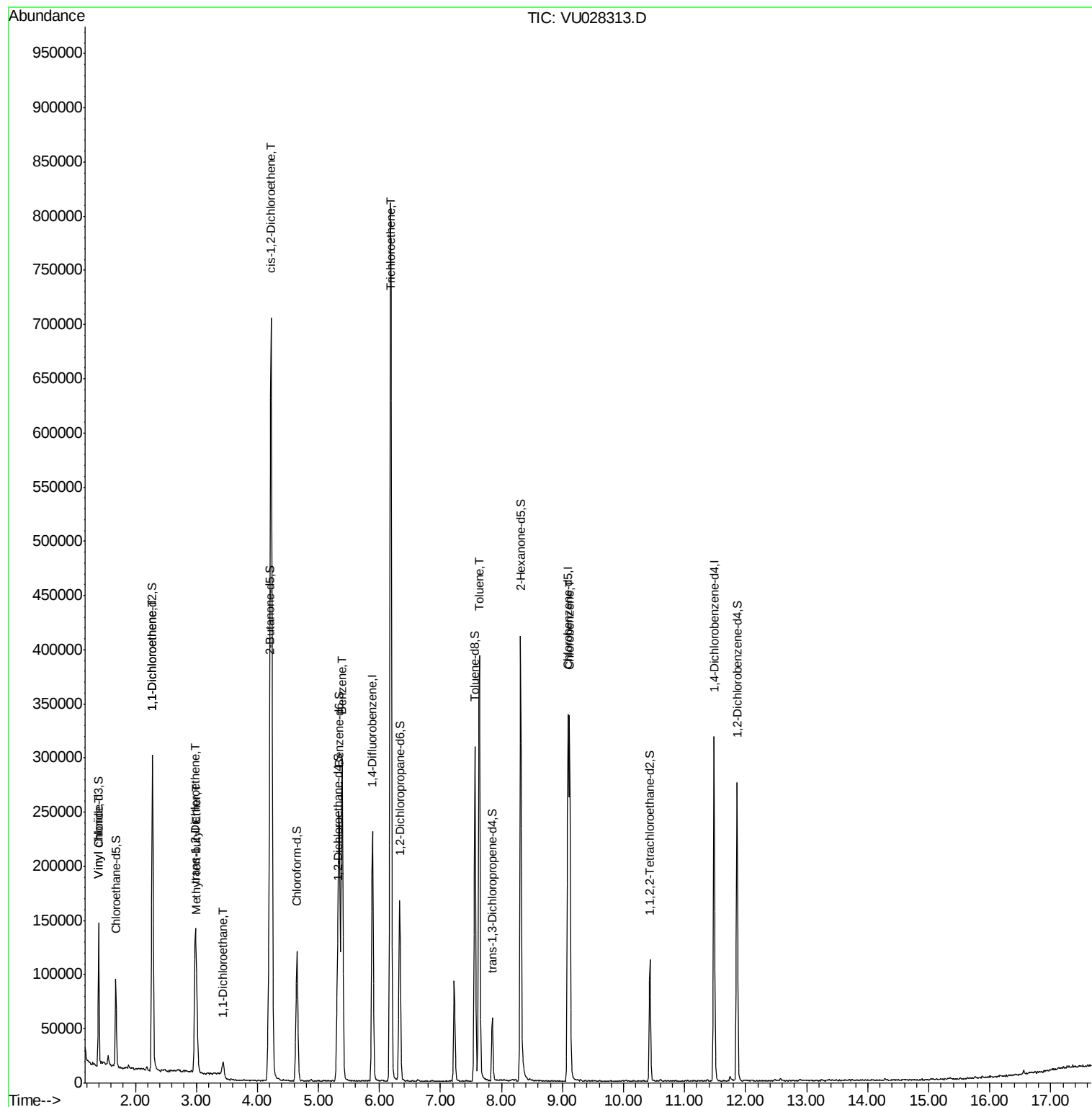
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.40	62	19705	1.122	ug/L	91
12) 1,1-Dichloroethene	2.29	96	54435	5.109	ug/L	95
17) Methyl tert-butyl Ether	3.01	73	70108	2.190	ug/L	96
18) trans-1,2-Dichloroethene	2.98	96	36790	3.241	ug/L	99
19) 1,1-Dichloroethane	3.45	63	10659	0.405	ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	352222	26.255	ug/L	99
33) Benzene	5.39	78	273714	5.038	ug/L	100
34) Trichloroethene	6.18	95	287270	21.597	ug/L	98
42) Toluene	7.64	91	279610	5.077	ug/L	99
51) Chlorobenzene	9.12	112	155417	4.901	ug/L	96

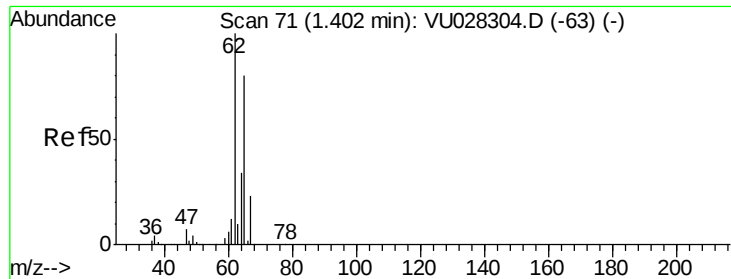
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.122 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Instrument :

MSVOA_U

ClientSampleId :

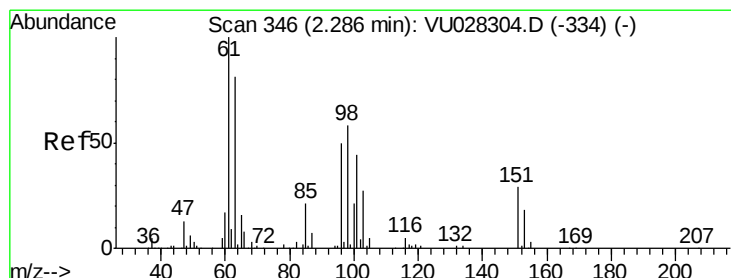
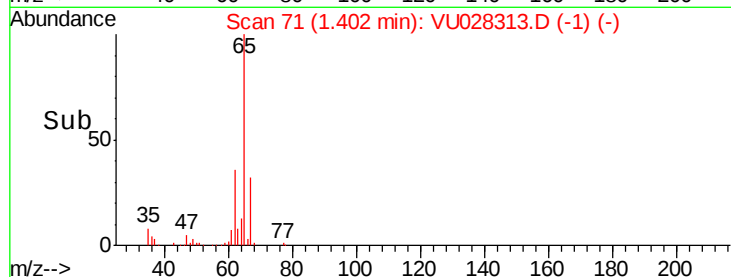
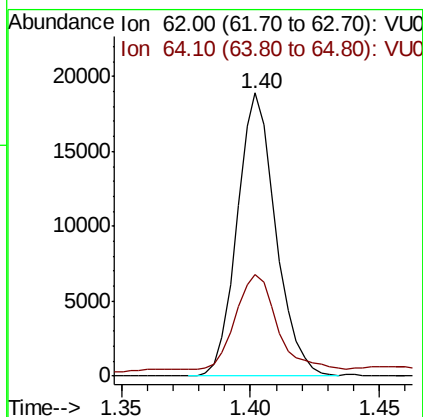
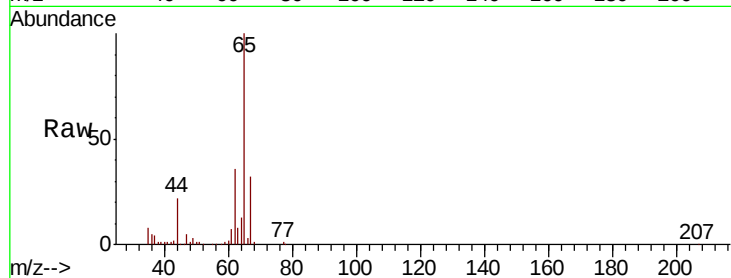
H0FM0MS

Tgt Ion: 62 Resp: 19705

Ion Ratio Lower Upper

62 100

64 36.0 21.7 40.3



#12

1,1-Dichloroethene

Concen: 5.109 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

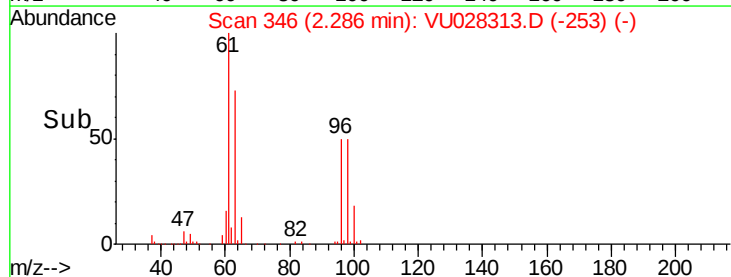
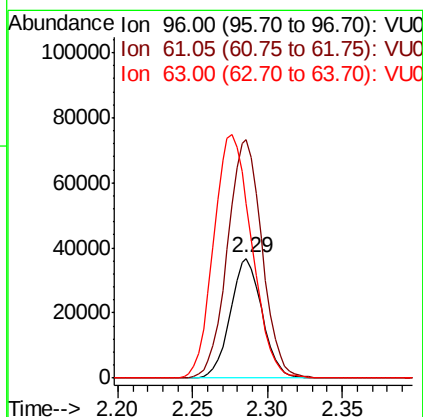
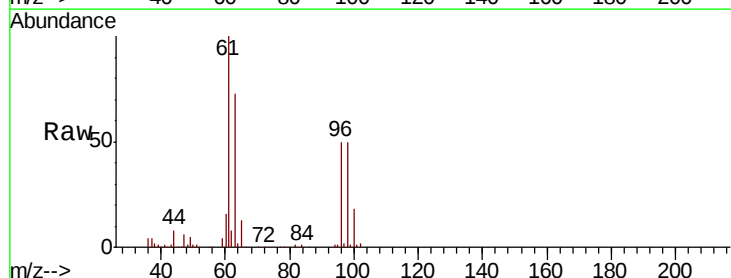
Tgt Ion: 96 Resp: 54435

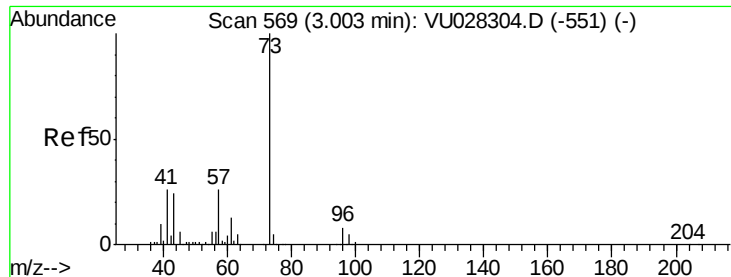
Ion Ratio Lower Upper

96 100

61 199.8 145.5 270.1

63 146.0 98.6 183.2





#17

Methyl tert-butyl Ether

Concen: 2.190 ug/L

RT: 3.01 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Instrument :

MSVOA_U

ClientSampleId :

H0FM0MS

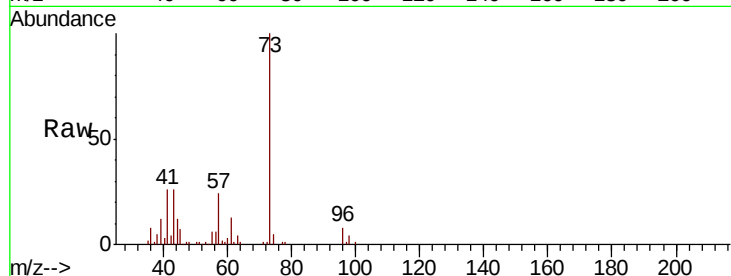
Tgt Ion: 73 Resp: 70108

Ion Ratio Lower Upper

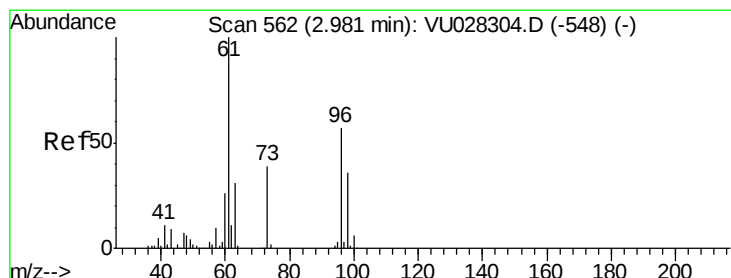
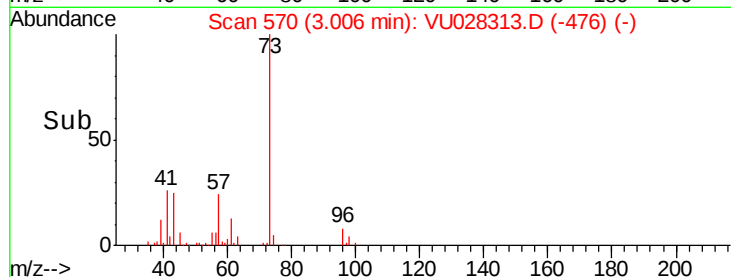
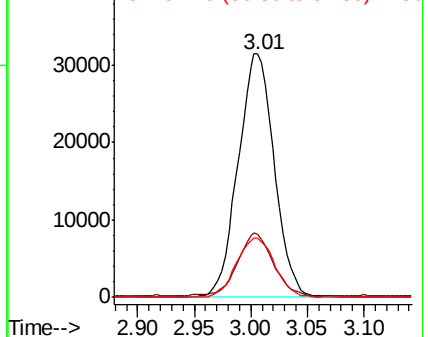
73 100

43 25.7 18.8 28.2

57 25.7 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 3.241 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

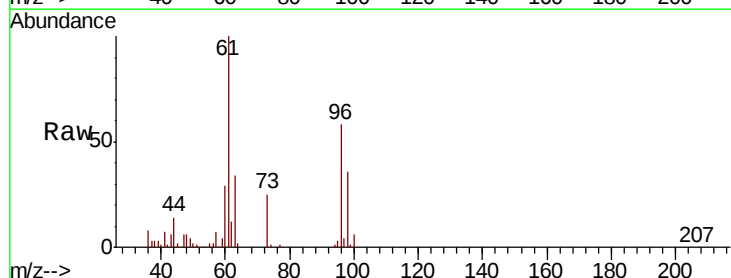
Tgt Ion: 96 Resp: 36790

Ion Ratio Lower Upper

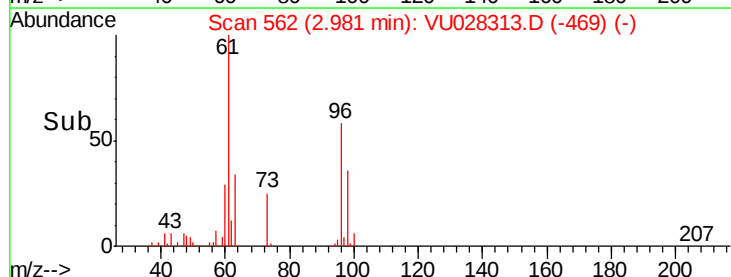
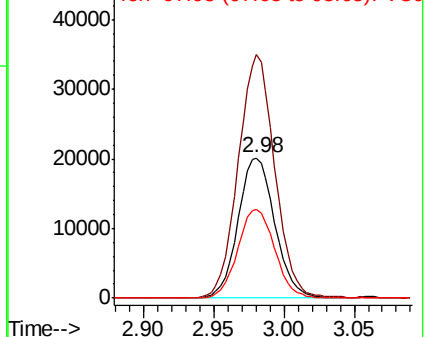
96 100

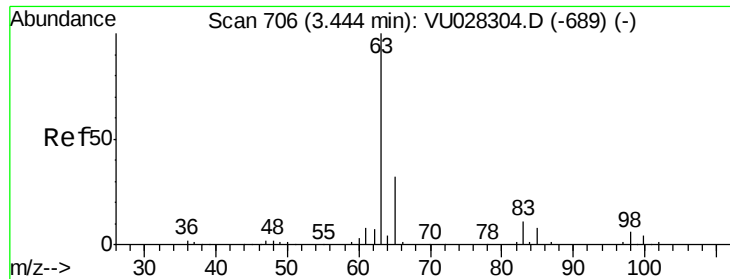
61 173.3 122.2 227.0

98 62.9 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: 0.405 ug/L

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Instrument :

MSVOA_U

ClientSampleId :

H0FM0MS

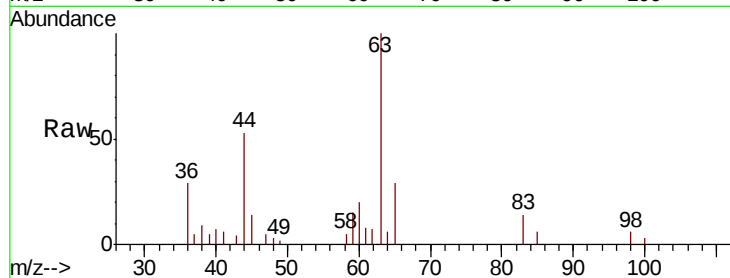
Tgt Ion: 63 Resp: 10659

Ion Ratio Lower Upper

63 100

65 29.2 21.2 39.4

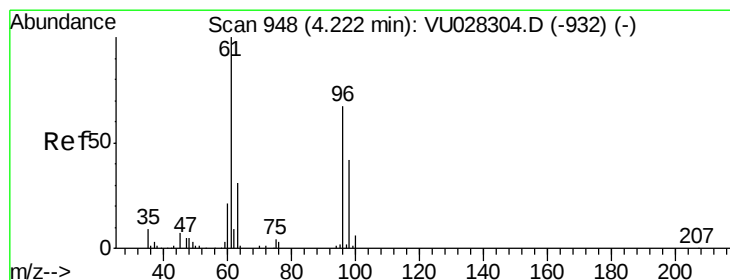
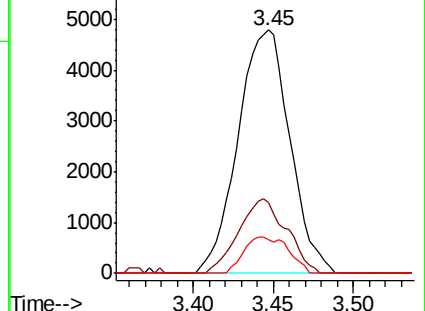
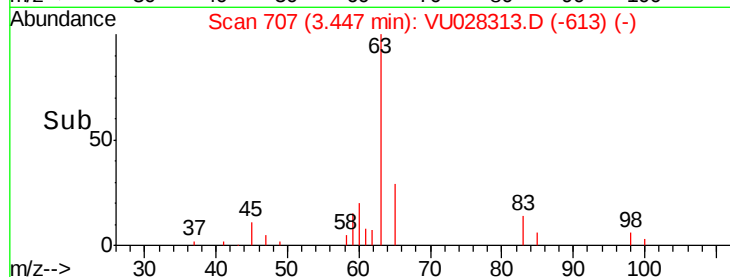
83 13.6 8.8 16.4



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: 26.255 ug/L

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

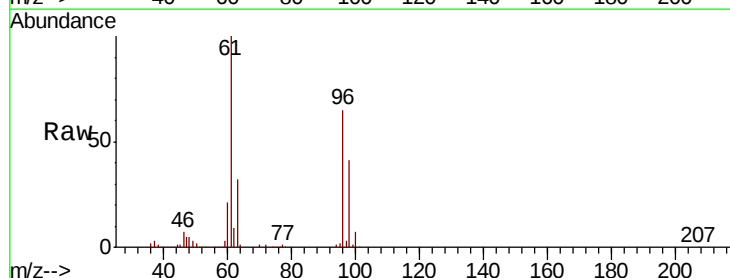
Tgt Ion: 96 Resp: 352222

Ion Ratio Lower Upper

96 100

61 152.9 108.0 200.6

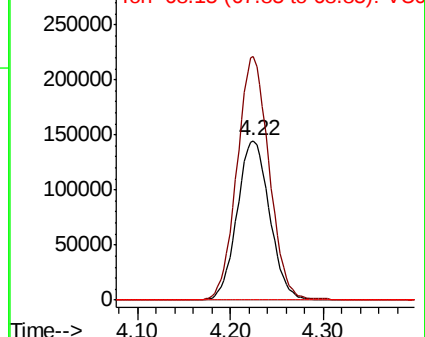
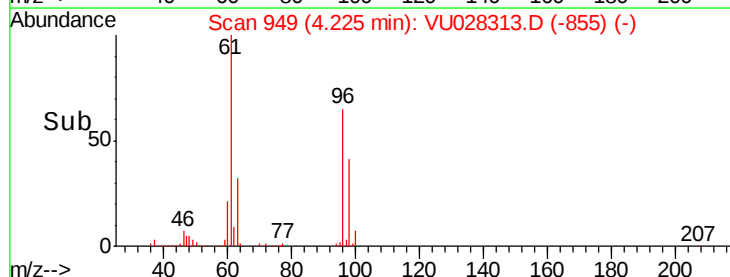
68 0.0 0.0 0.0

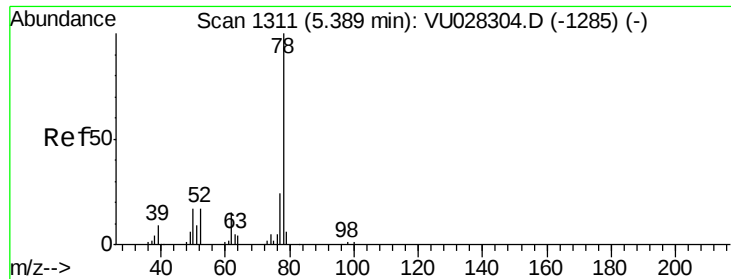


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#33

Benzene

Concen: 5.038 ug/L

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

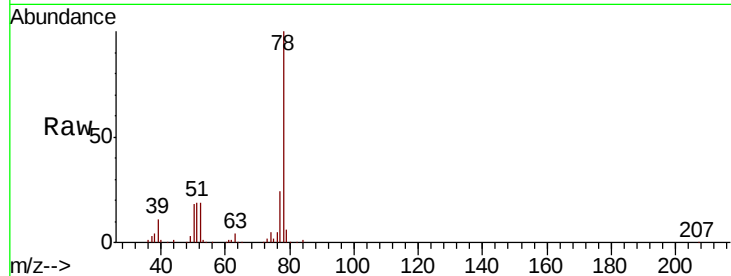
Instrument :

MSVOA_U

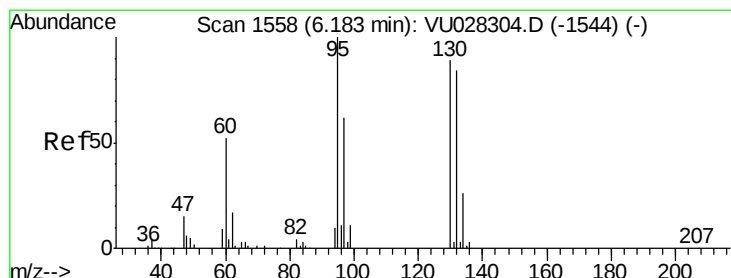
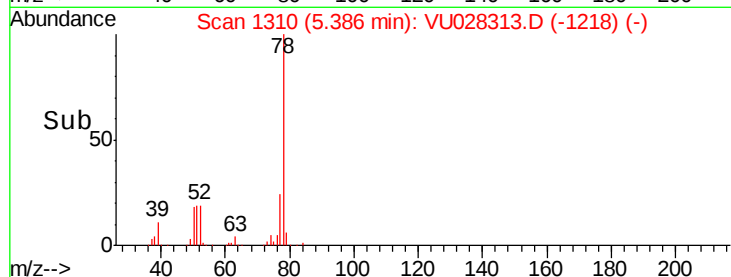
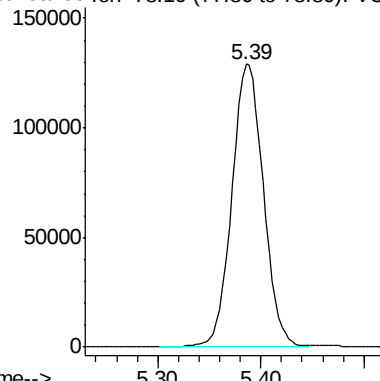
ClientSampleId :

H0FM0MS

Tgt Ion: 78 Resp: 273714



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 21.597 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Tgt Ion: 95 Resp: 287270

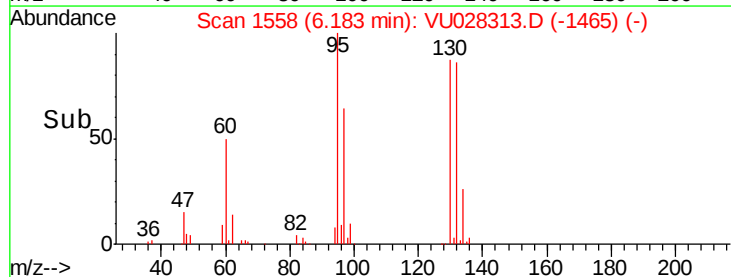
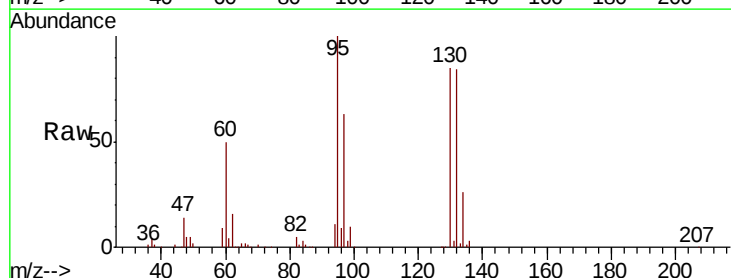
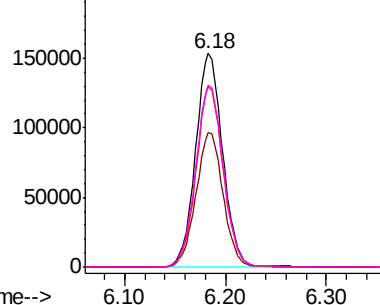
Ion	Ratio	Lower	Upper
95	100		
97	62.9	46.5	86.3
132	84.3	58.9	109.3
130	85.4	61.3	113.9

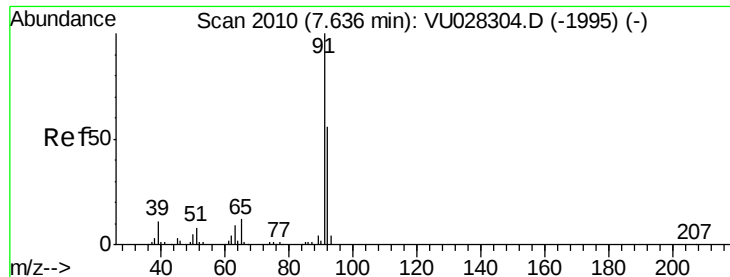
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.077 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Instrument :

MSVOA_U

ClientSampleId :

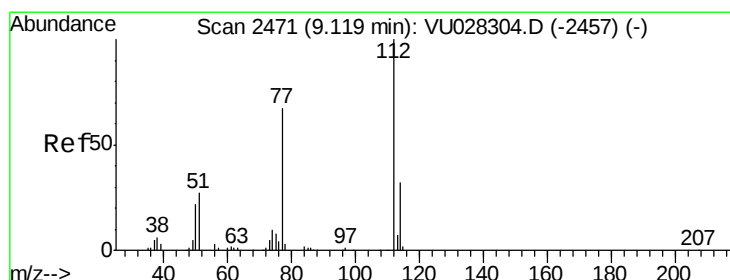
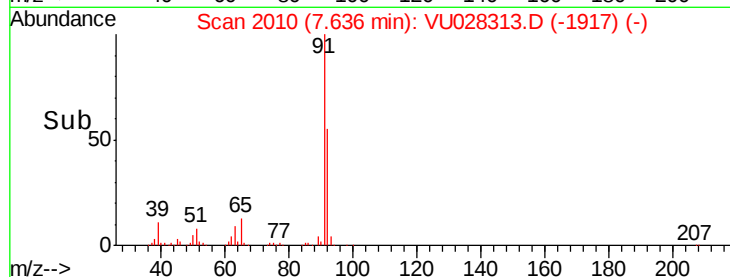
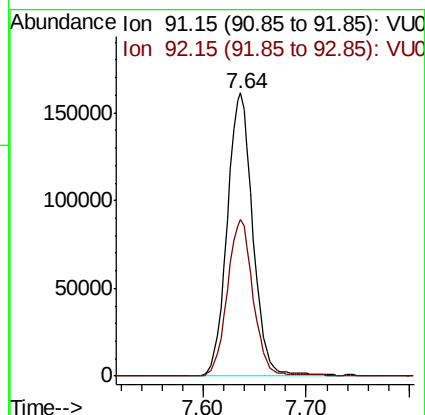
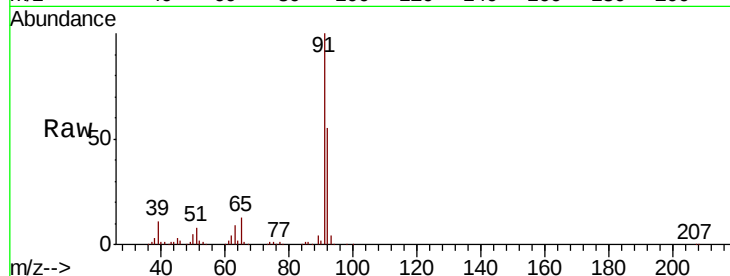
H0FM0MS

Tgt Ion: 91 Resp: 279610

Ion Ratio Lower Upper

91 100

92 55.3 39.0 72.4



#51

Chlorobenzene

Concen: 4.901 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Tgt Ion: 112 Resp: 155417

Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.5

77 69.7 52.4 78.6

