

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112118\
 Data File : VU028314.D
 Acq On : 21 Nov 2018 13:04
 Operator : MD/SY
 Sample : J6026-13MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FM0MSD

Quant Time: Nov 21 23:29:49 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	5.88	114	173133	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	163561	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	72402	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67861	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.68	69	50172	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.28	63	131694	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	4.19	46	198262	45.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.94%
24) Chloroform-d	4.65	84	112957	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.31	65	65637	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.34	84	224852	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.33	67	84152	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.57	98	196892	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.85	79	30018	5.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.00%
46) 2-Hexanone-d5	8.31	63	139049	42.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56867	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	66719	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

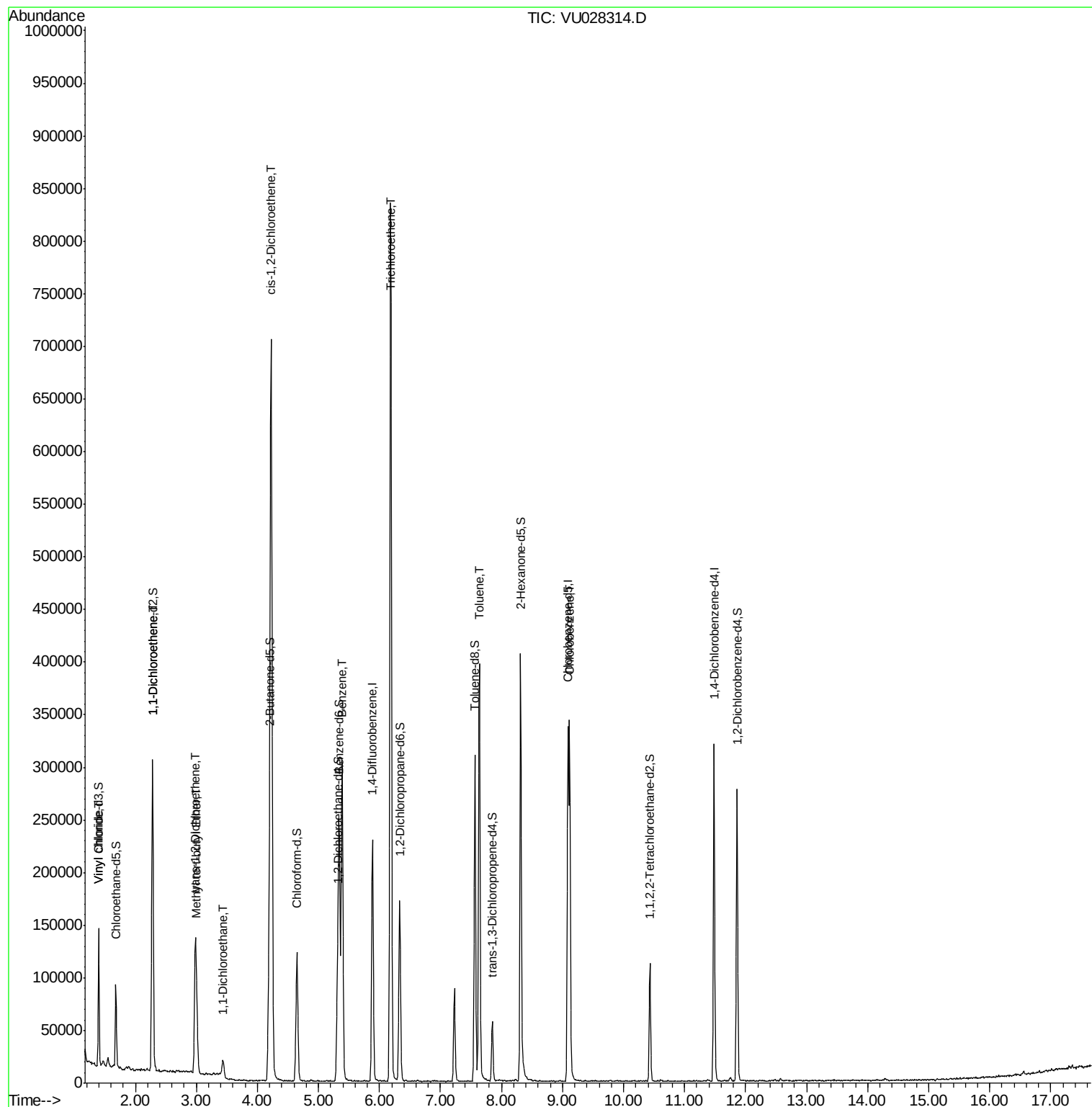
					Qvalue
5) Vinyl chloride	1.40	62	19437	1.106	ug/L 85
12) 1,1-Dichloroethene	2.29	96	55646	5.221	ug/L 96
17) Methyl tert-butyl Ether	3.01	73	68879	2.151	ug/L 97
18) trans-1,2-Dichloroethene	2.98	96	37210	3.277	ug/L 96
19) 1,1-Dichloroethane	3.44	63	10489	0.398	ug/L 97
22) cis-1,2-Dichloroethene	4.22	96	351970	26.226	ug/L 96
33) Benzene	5.39	78	277855	5.149	ug/L 100
34) Trichloroethene	6.18	95	289809	21.935	ug/L 98
42) Toluene	7.64	91	275404	5.035	ug/L 98
51) Chlorobenzene	9.12	112	158251	5.024	ug/L 98

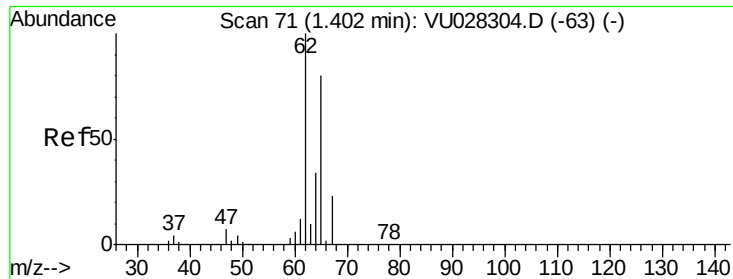
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.106 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028314.D

Acq: 21 Nov 2018 13:04

Instrument :

MSVOA_U

ClientSampleId :

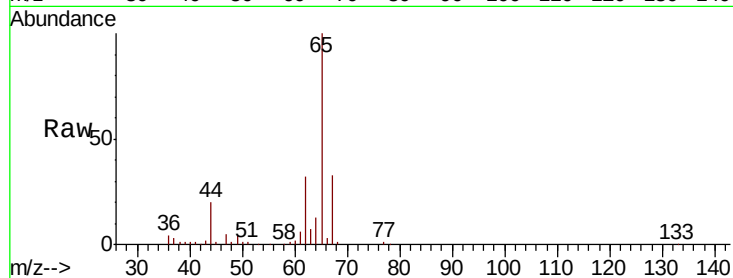
H0FM0MSD

Tgt Ion: 62 Resp: 19437

Ion Ratio Lower Upper

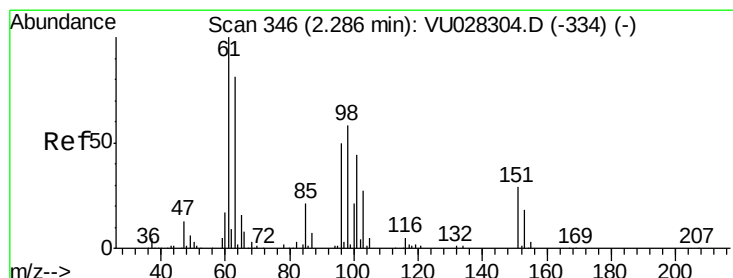
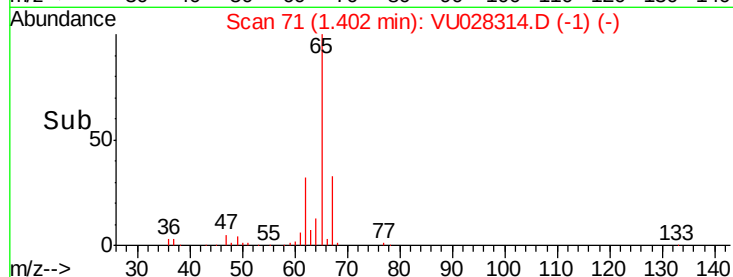
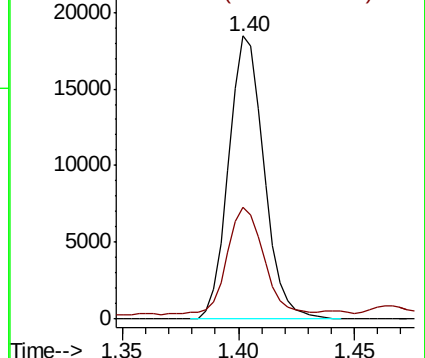
62 100

64 39.4 21.7 40.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 5.221 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028314.D

Acq: 21 Nov 2018 13:04

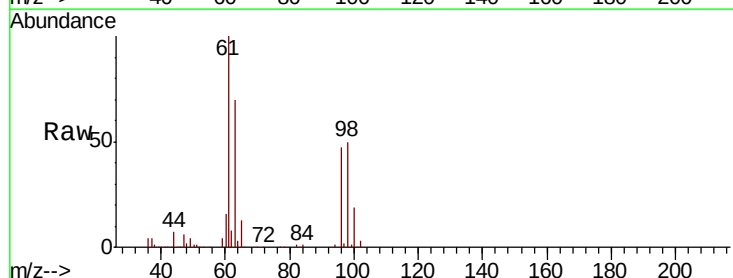
Tgt Ion: 96 Resp: 55646

Ion Ratio Lower Upper

96 100

61 211.8 145.5 270.1

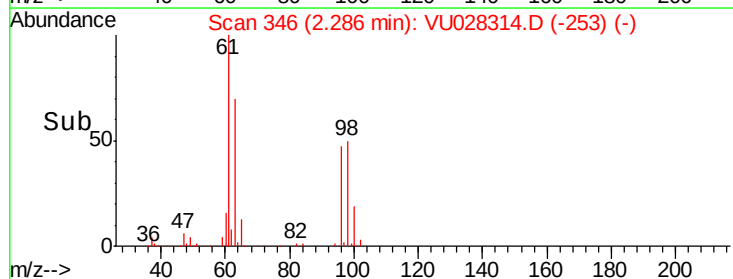
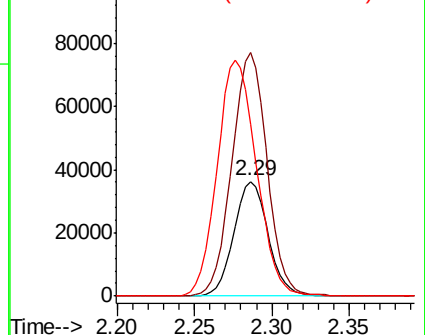
63 149.1 98.6 183.2

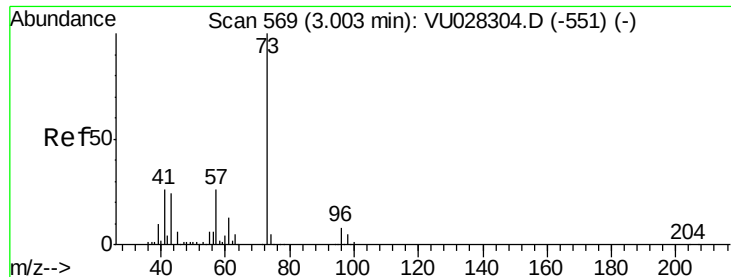


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#17

Methyl tert-butyl Ether

Concen: 2.151 ug/L

RT: 3.01 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU028314.D

Acq: 21 Nov 2018 13:04

Instrument :

MSVOA_U

ClientSampleId :

H0FM0MSD

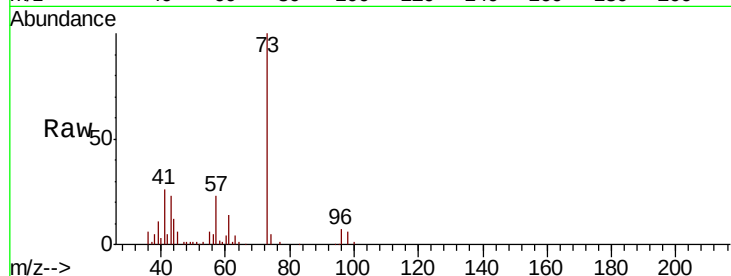
Tgt Ion: 73 Resp: 68879

Ion Ratio Lower Upper

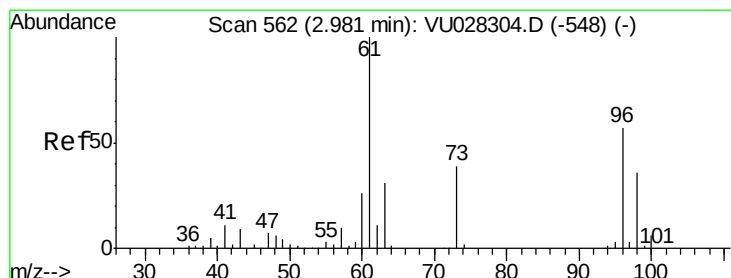
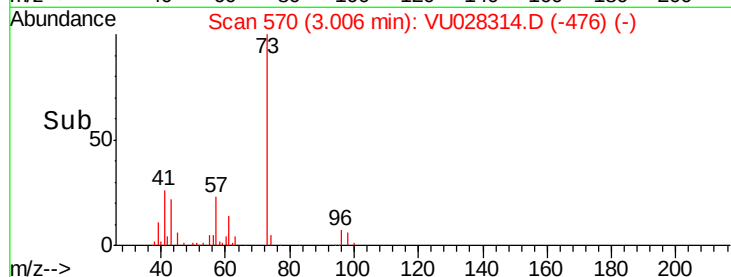
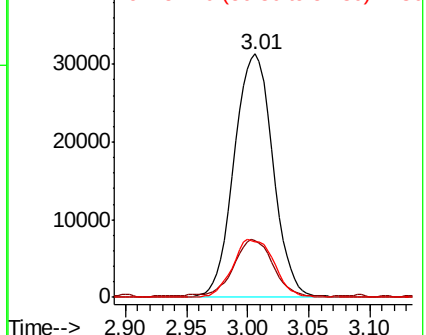
73 100

43 25.2 18.8 28.2

57 25.4 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: 3.277 ug/L

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028314.D

Acq: 21 Nov 2018 13:04

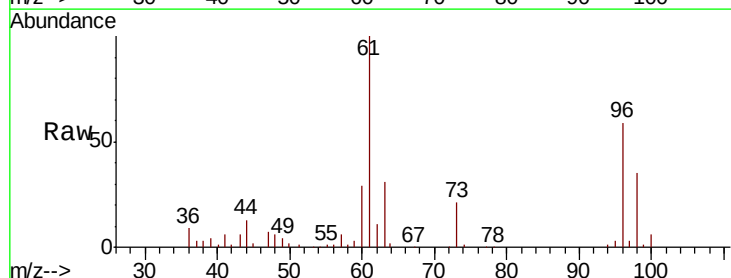
Tgt Ion: 96 Resp: 37210

Ion Ratio Lower Upper

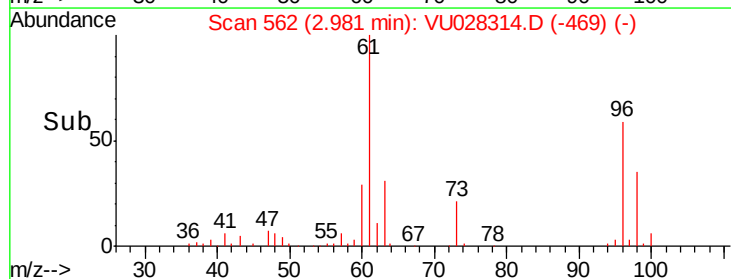
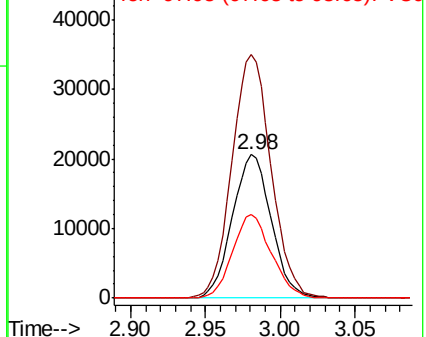
96 100

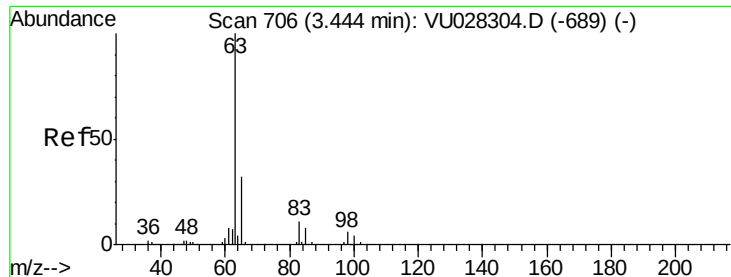
61 169.8 122.2 227.0

98 58.6 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

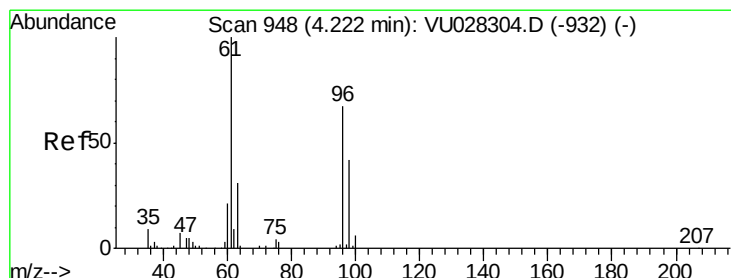
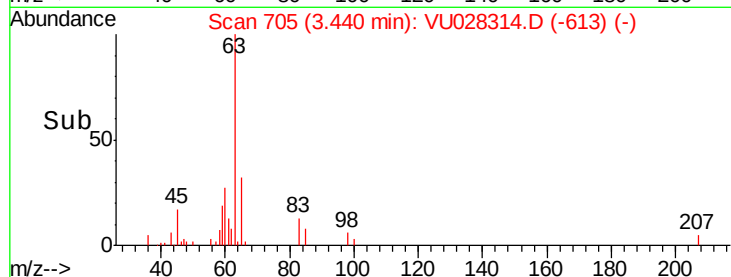
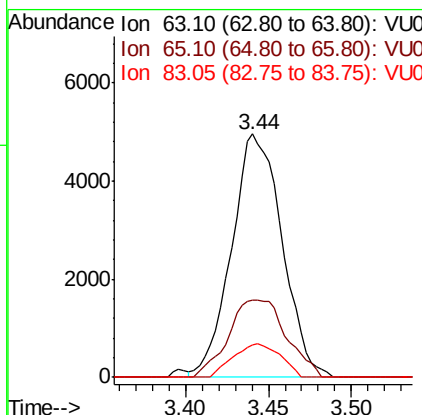
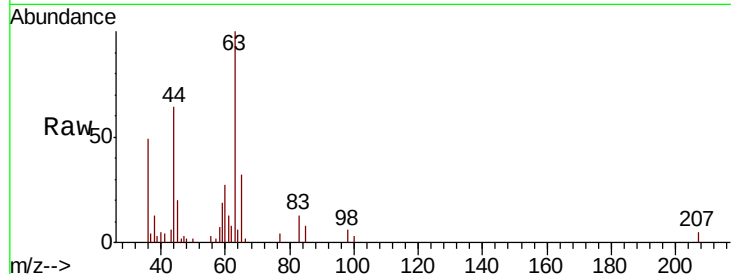




#19
 1,1-Dichloroethane
 Concen: 0.398 ug/L
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU028314.D
 Acq: 21 Nov 2018 13:04

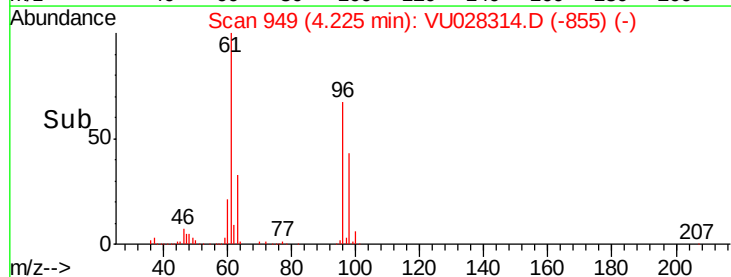
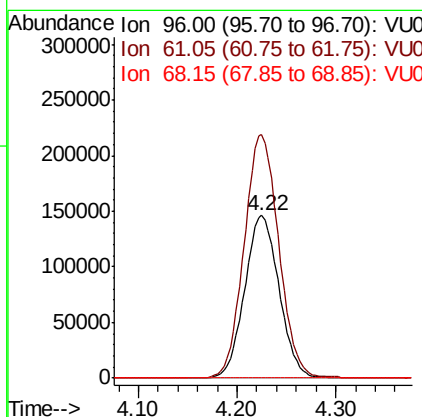
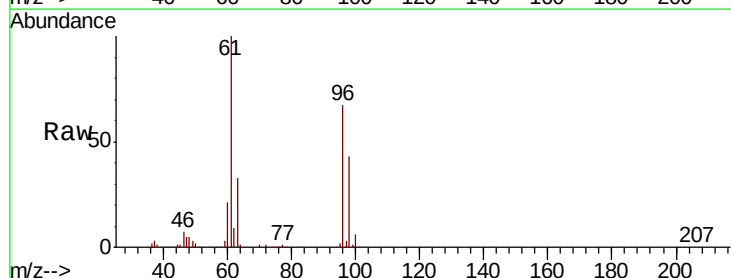
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FM0MSD

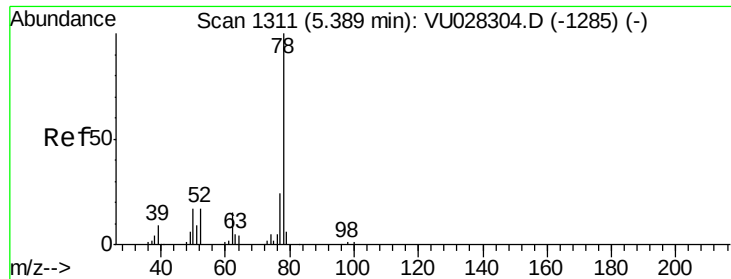
Tgt Ion: 63 Resp: 10489
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.2 39.4
 83 13.4 8.8 16.4



#22
 cis-1,2-Dichloroethene
 Concen: 26.226 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028314.D
 Acq: 21 Nov 2018 13:04

Tgt Ion: 96 Resp: 351970
 Ion Ratio Lower Upper
 96 100
 61 149.7 108.0 200.6
 68 0.0 0.0 0.0

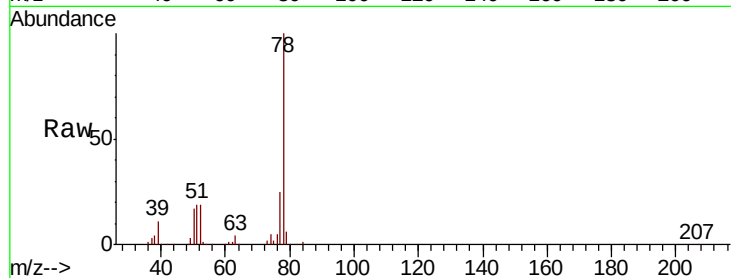




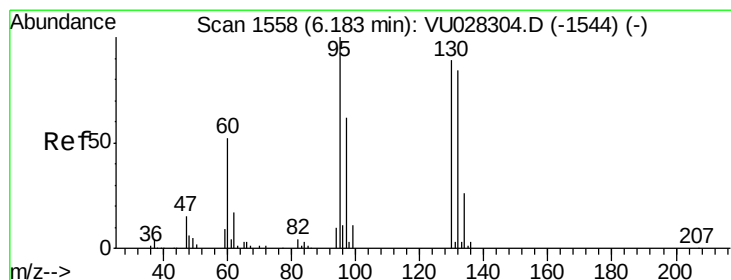
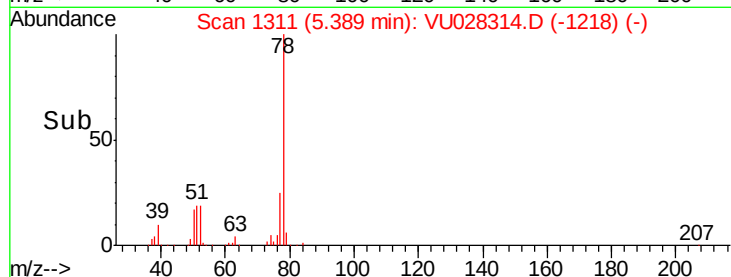
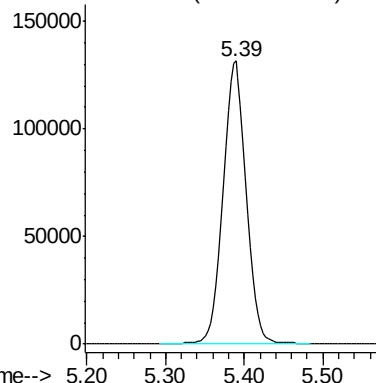
#33
Benzene
Concen: 5.149 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

Instrument :
MSVOA_U
ClientSampleId :
H0FM0MSD

Tgt Ion: 78 Resp: 277855



Abundance Ion 78.10 (77.80 to 78.80): VU0

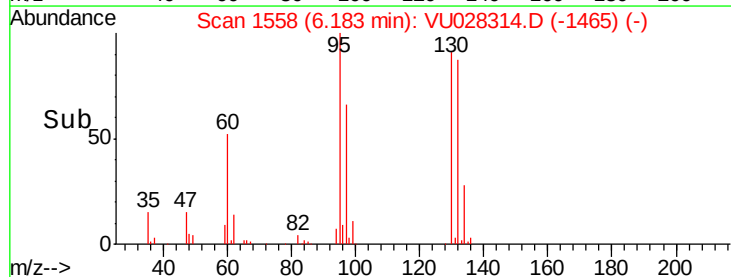
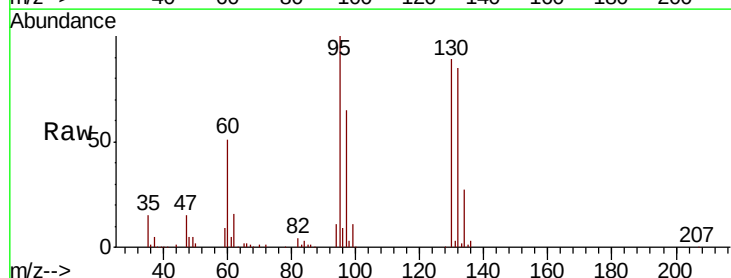
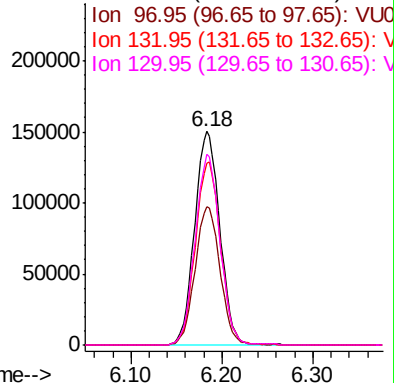


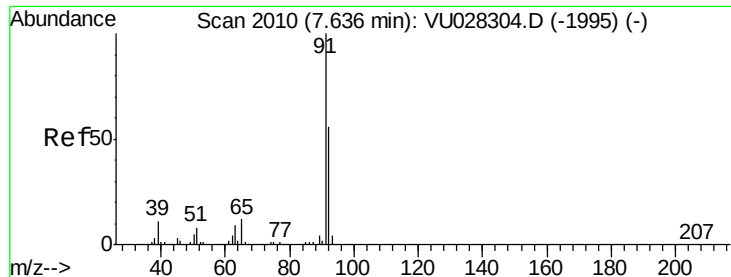
#34
Trichloroethene
Concen: 21.935 ug/L
RT: 6.18 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

Tgt Ion: 95 Resp: 289809

Ion	Ratio	Lower	Upper
95	100		
97	64.9	46.5	86.3
132	85.4	58.9	109.3
130	89.1	61.3	113.9

Abundance Ion 95.00 (94.70 to 95.70): VU0





#42

Toluene

Concen: 5.035 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028314.D

Acq: 21 Nov 2018 13:04

Instrument :

MSVOA_U

ClientSampleId :

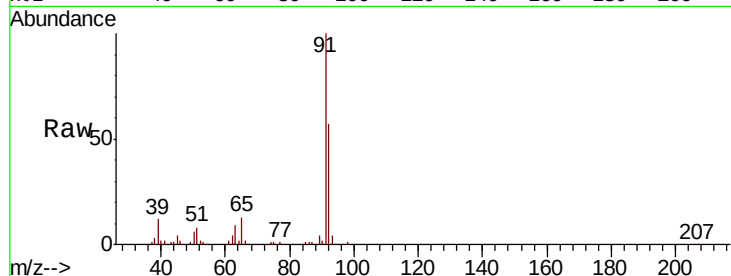
H0FM0MSD

Tgt Ion: 91 Resp: 275404

Ion Ratio Lower Upper

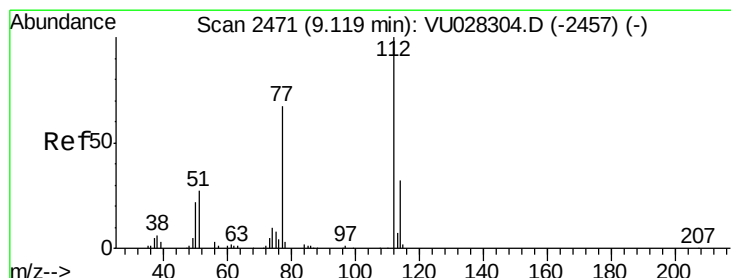
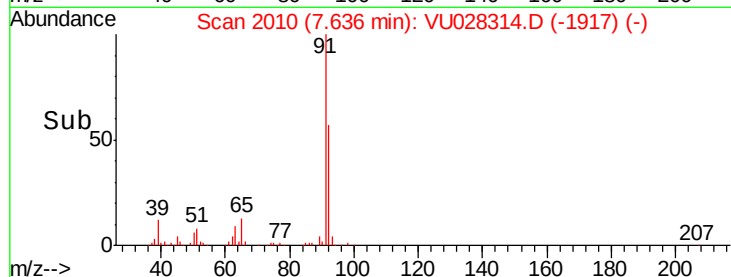
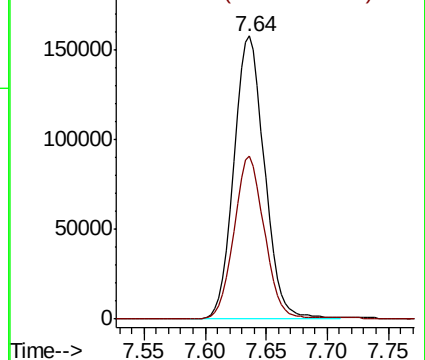
91 100

92 57.4 39.0 72.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#51

Chlorobenzene

Concen: 5.024 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028314.D

Acq: 21 Nov 2018 13:04

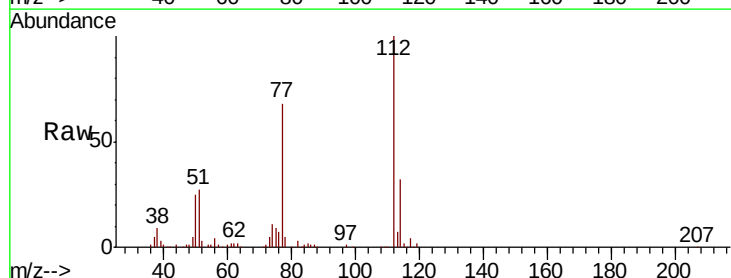
Tgt Ion: 112 Resp: 158251

Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.5

77 67.9 52.4 78.6



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

