

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111918\
 Data File : VU028255.D
 Acq On : 19 Nov 2018 15:15
 Operator : MD/SY
 Sample : J5986-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FN3

Quant Time: Nov 20 07:54:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 20 07:07:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	127467	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	122151	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53120	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44708	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.68	69	38568	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.28	63	64488	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.21	46	139488	43.46	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.92%
24) Chloroform-d	4.65	84	78834	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.31	65	44981	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.34	84	154699	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.33	67	59016	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.57	98	137070	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.85	79	14586	3.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.60%
46) 2-Hexanone-d5	8.32	63	101999	41.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.40%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	42842	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	46262	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

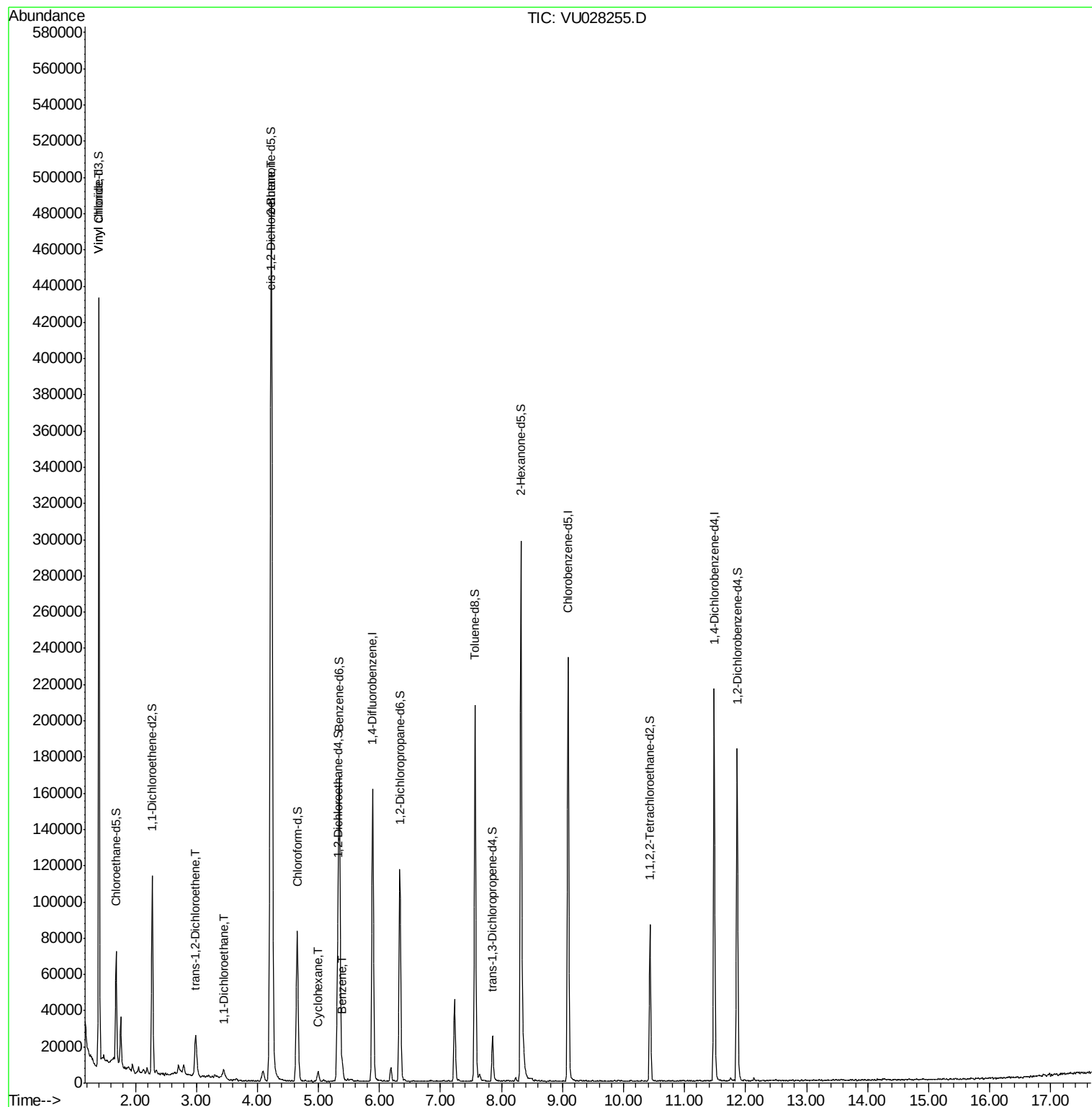
					Ovalue
5) Vinyl chloride	1.40	62	230756	17.836	ug/L 97
18) trans-1,2-Dichloroethene	2.98	96	6305	0.754	ug/L 88
19) 1,1-Dichloroethane	3.45	63	4321	0.223	ug/L 95
22) cis-1,2-Dichloroethene	4.23	96	225428	22.815	ug/L 90
30) Cyclohexane	5.00	56	2433	0.135	ug/L # 78
33) Benzene	5.39	78	7952	0.197	ug/L 100

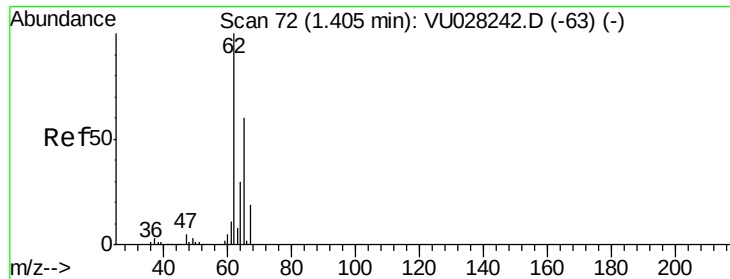
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 17.836 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028255.D

Acq: 19 Nov 2018 15:15

Instrument :

MSVOA_U

ClientSampleId :

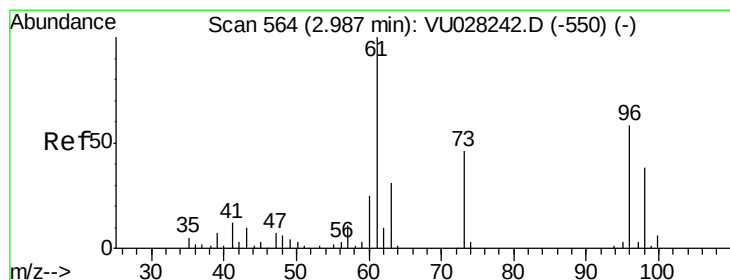
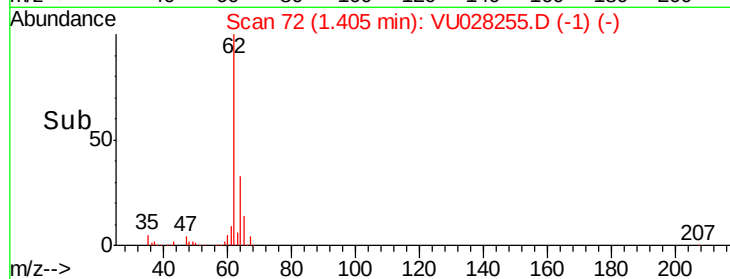
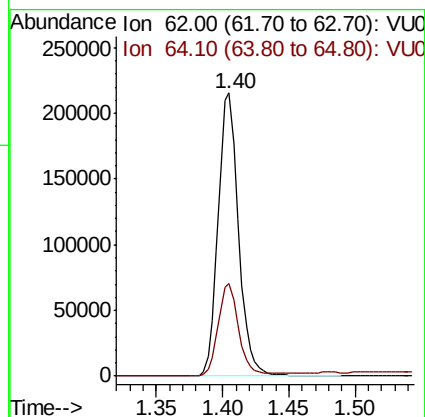
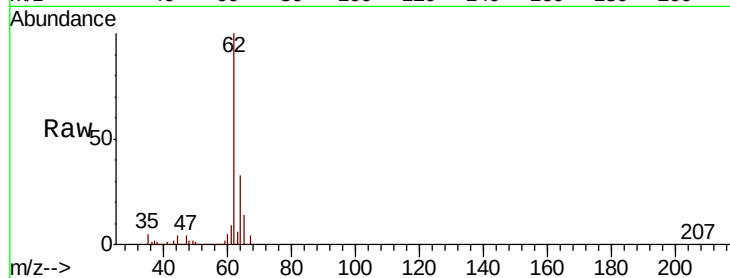
H0FN3

Tot Ion: 62 Resp: 230756

Ion Ratio Lower Upper

62 100

64 32.5 21.7 40.3



#18

trans-1,2-Dichloroethene

Concen: 0.754 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.01 min

Lab File: VU028255.D

Acq: 19 Nov 2018 15:15

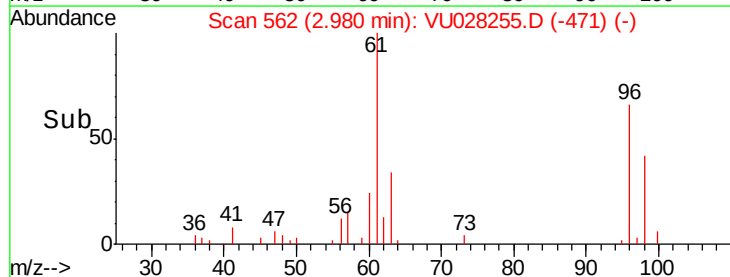
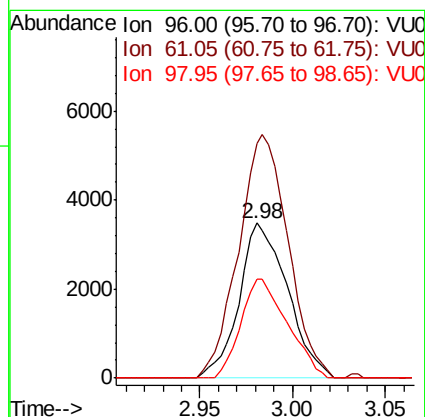
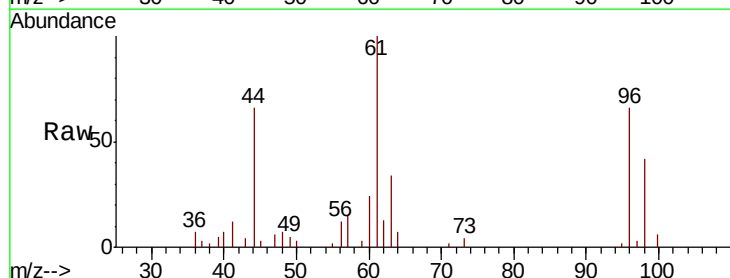
Tgt Ion: 96 Resp: 6305

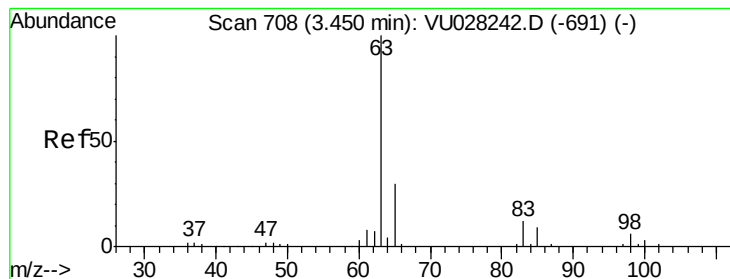
Ion Ratio Lower Upper

96 100

61 151.7 122.2 227.0

98 64.2 44.9 83.5





#19

1,1-Dichloroethane

Concen: 0.223 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028255.D

Acq: 19 Nov 2018 15:15

Instrument :

MSVOA_U

ClientSampled :

H0FN3

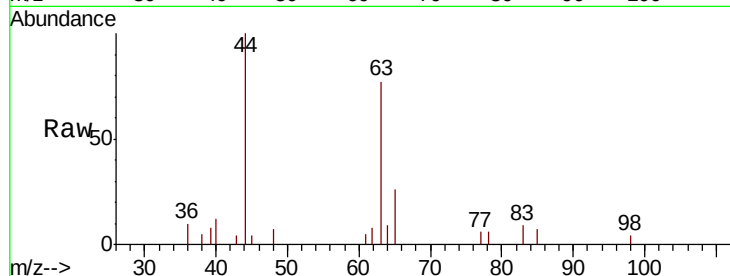
Tot Ion: 63 Resp: 4321

Ion Ratio Lower Upper

63 100

65 33.5 21.2 39.4

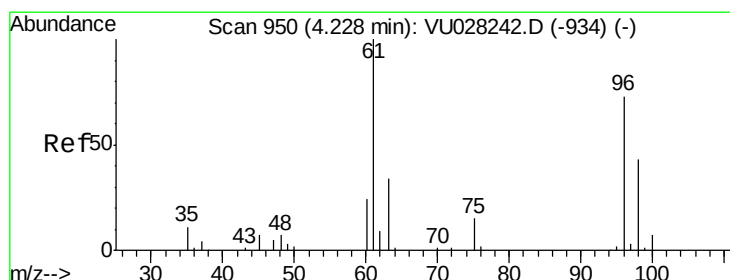
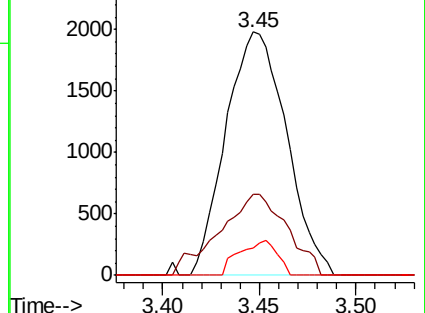
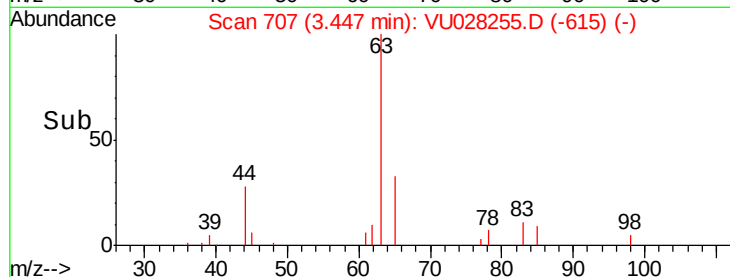
83 11.5 8.8 16.4



Abundance Ion 63.10 (62.80 to 63.80): VU028242.D (-691) (-)

Ion 65.10 (64.80 to 65.80): VU028242.D (-691) (-)

Ion 83.05 (82.75 to 83.75): VU028242.D (-691) (-)



#22

cis-1,2-Dichloroethene

Concen: 22.815 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028255.D

Acq: 19 Nov 2018 15:15

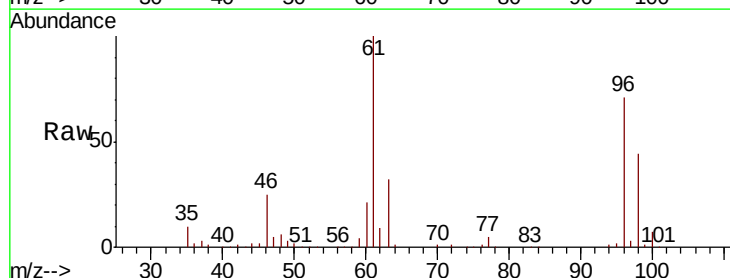
Tgt Ion: 96 Resp: 225428

Ion Ratio Lower Upper

96 100

61 141.5 108.0 200.6

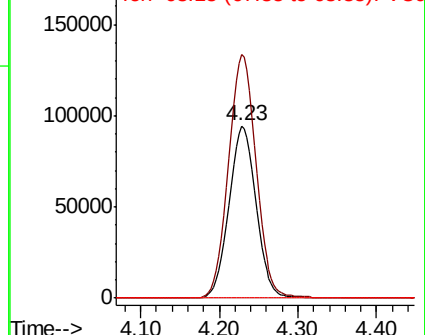
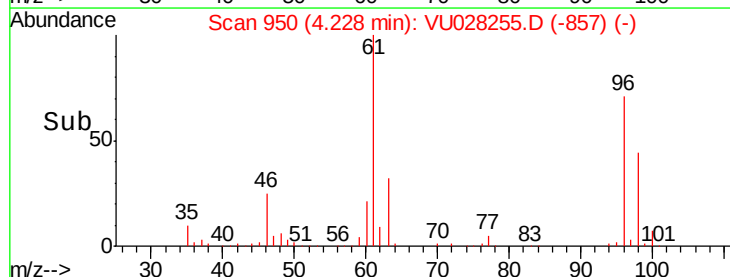
68 0.0 0.0 0.0

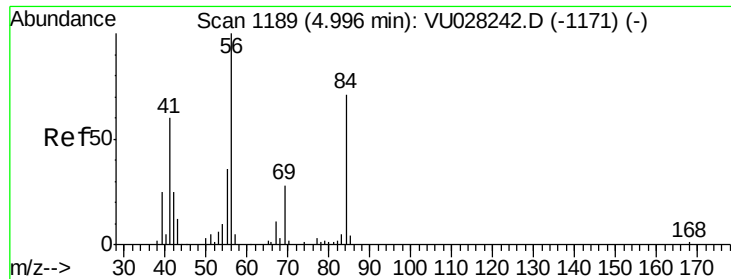


Abundance Ion 96.00 (95.70 to 96.70): VU028242.D (-934) (-)

Ion 61.05 (60.75 to 61.75): VU028242.D (-934) (-)

Ion 68.15 (67.85 to 68.85): VU028242.D (-934) (-)

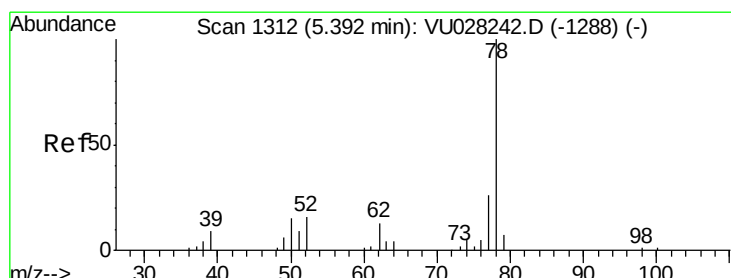
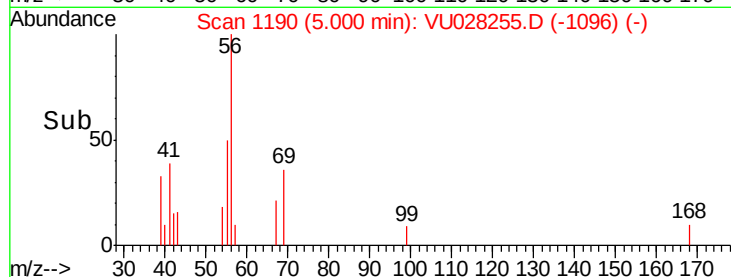
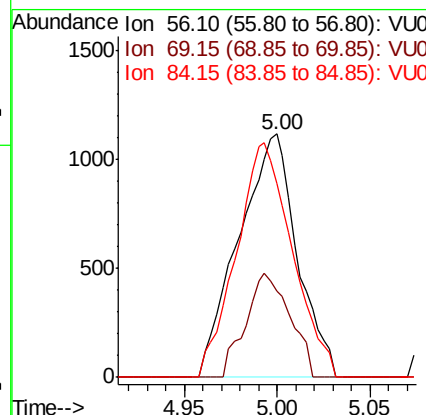
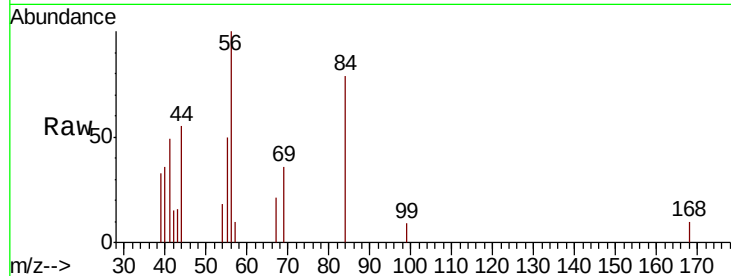




#30
Cyclohexane
Concen: 0.135 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU028255.D
Acq: 19 Nov 2018 15:15

Instrument :
MSVOA_U
ClientSampleId :
H0FN3

Tot Ion: 56 Resp: 2433
Ion Ratio Lower Upper
56 100
69 32.3 22.0 33.0
84 92.4 56.0 84.0#



#33
Benzene
Concen: 0.197 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU028255.D
Acq: 19 Nov 2018 15:15

Tgt Ion: 78 Resp: 7952

