

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021619\
 Data File : VU029505.D
 Acq On : 15 Feb 2019 18:55
 Operator : JC/SP
 Sample : K1438-16DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXD8DL

Quant Time: Feb 16 00:49:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Feb 16 00:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	181595	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	177807	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93333	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61905	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.68	69	60104	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.60%
11) 1,1-Dichloroethene-d2	2.27	63	100847	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	4.21	46	136805	53.93	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.86%
24) Chloroform-d	4.65	84	100415	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.31	65	56367	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.34	84	221835	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.33	67	65395	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.56	98	225334	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
43) trans-1,3-Dichloropropene-	7.85	79	26915	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.31	63	140234	53.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57807	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	98023	5.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

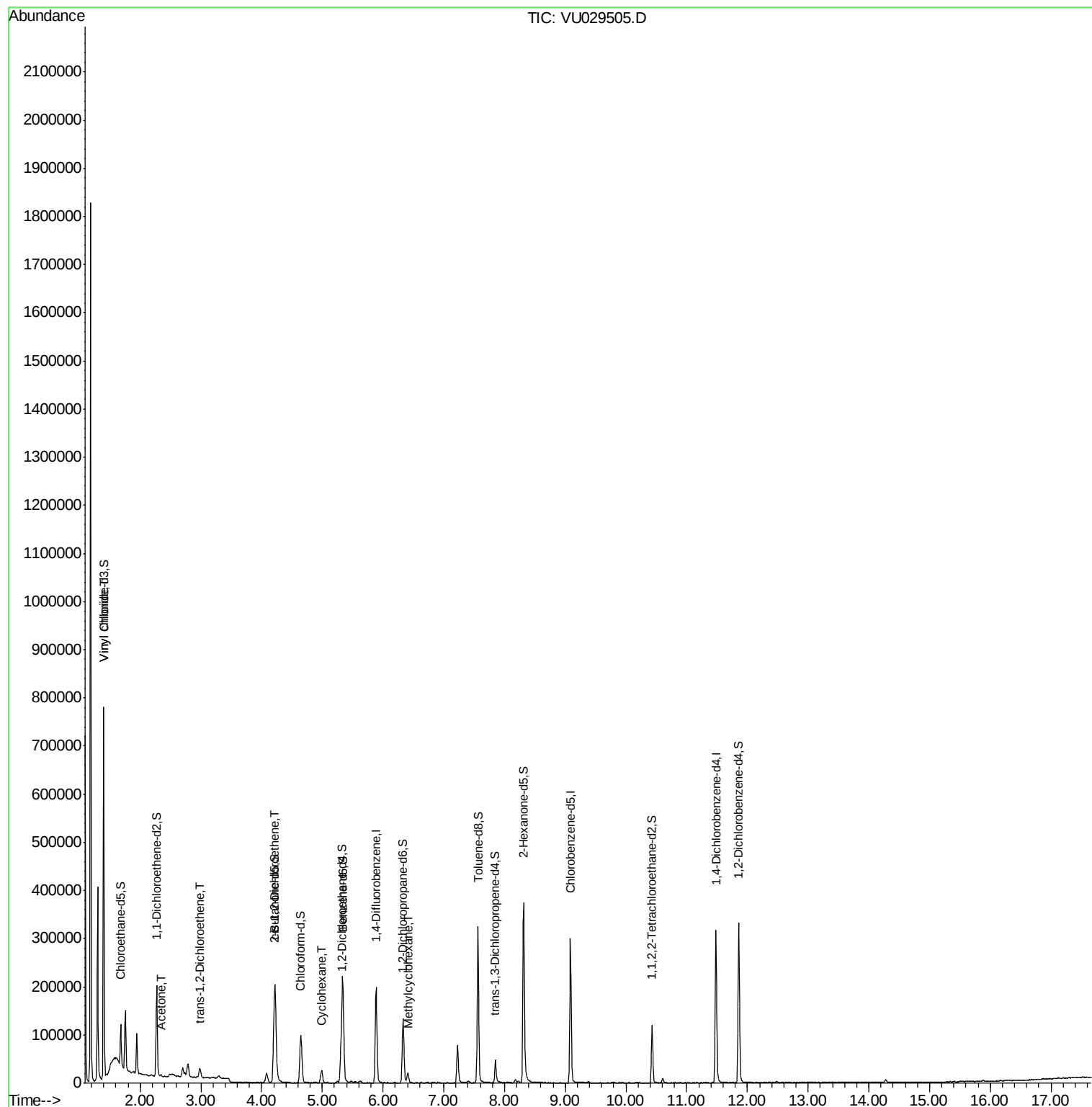
					Ovalue
5) Vinyl chloride	1.40	62	106137	6.069 ug/L	98
13) Acetone	2.35	43	3209	1.392 ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	5604	0.352 ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	84783	5.784 ug/L	94
30) Cyclohexane	4.99	56	13736	0.652 ug/L	99
35) Methylcyclohexane	6.41	83	8710	0.352 ug/L	97

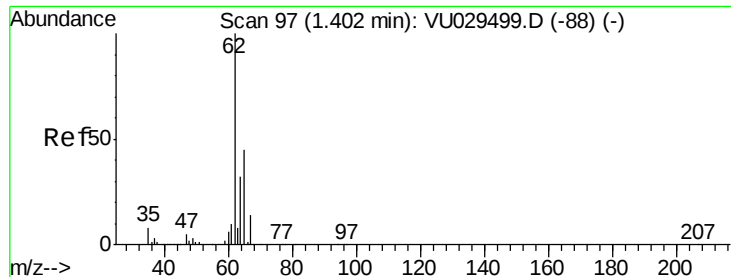
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 6.069 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

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Acq: 15 Feb 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

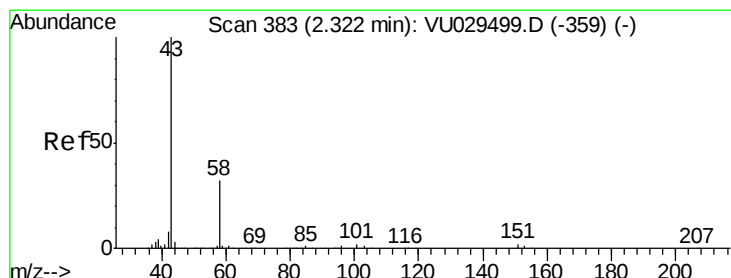
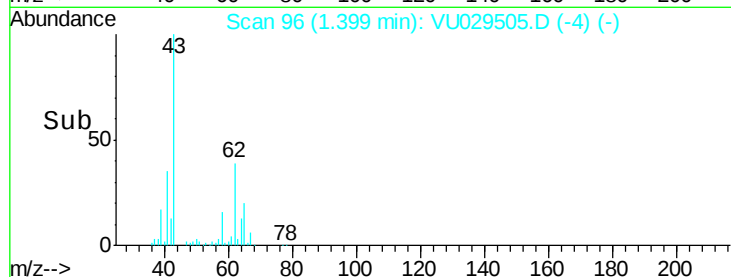
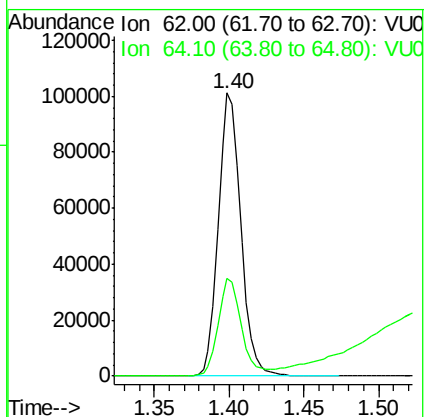
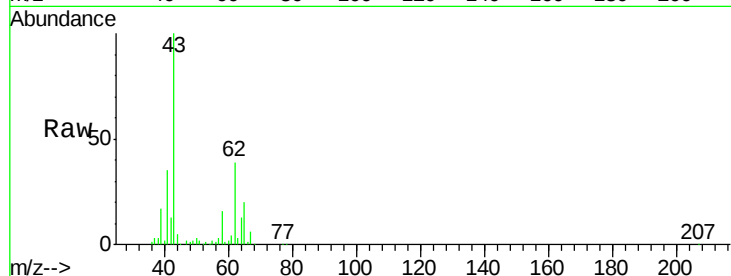
ESXD8DL

Tot Ion: 62 Resp: 106137

Ion Ratio Lower Upper

62 100

64 34.5 23.5 43.7



#13

Acetone

Concen: 1.392 ug/L

RT: 2.35 min Scan# 391

Delta R.T. 0.03 min

Lab File: VU029505.D

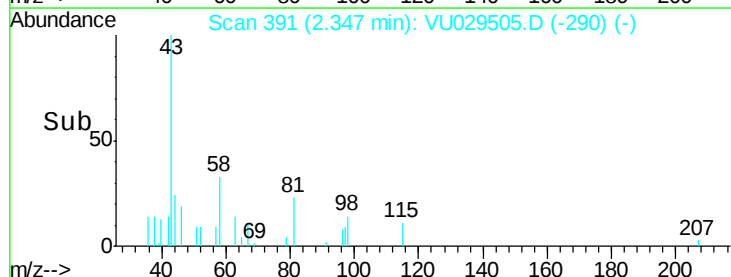
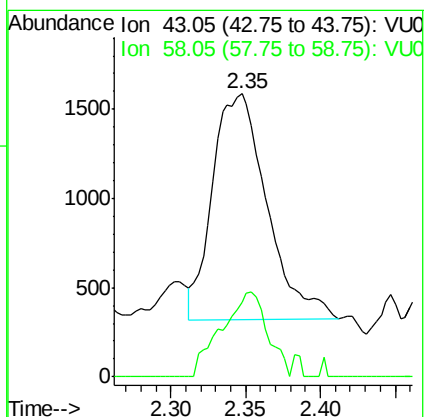
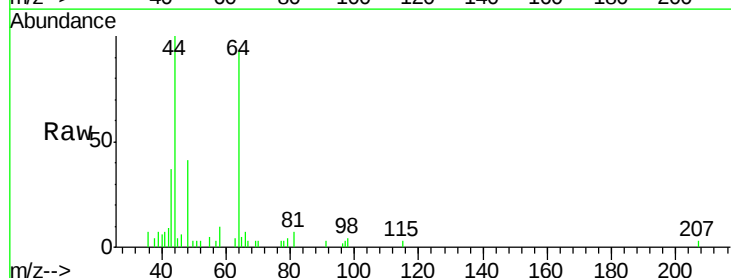
Acq: 15 Feb 2019 18:55

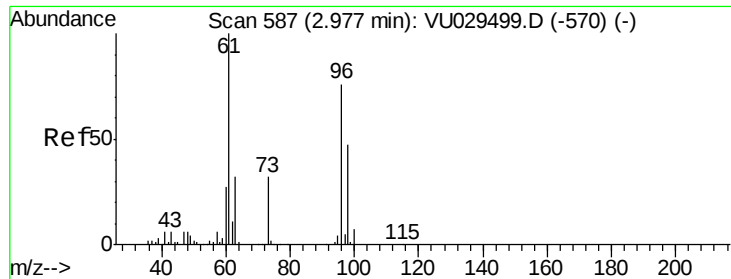
Tgt Ion: 43 Resp: 3209

Ion Ratio Lower Upper

43 100

58 31.6 0.0 65.0





#18

trans-1,2-Dichloroethene

Concen: 0.352 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029505.D

Acq: 15 Feb 2019 18:55

Instrument :

MSVOA_U

ClientSampleId :

ESXD8DL

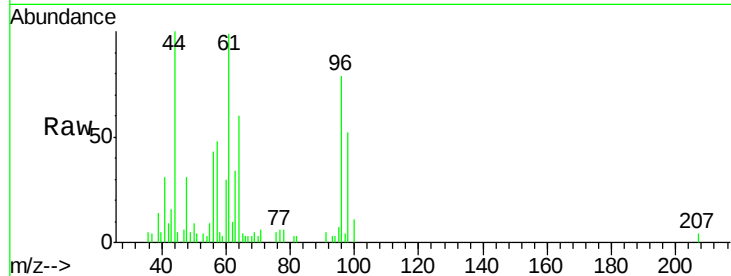
Tot Ion: 96 Resp: 5604

Ion Ratio Lower Upper

96 100

61 126.1 95.4 177.2

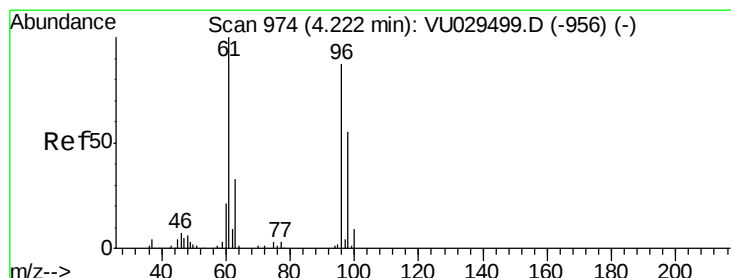
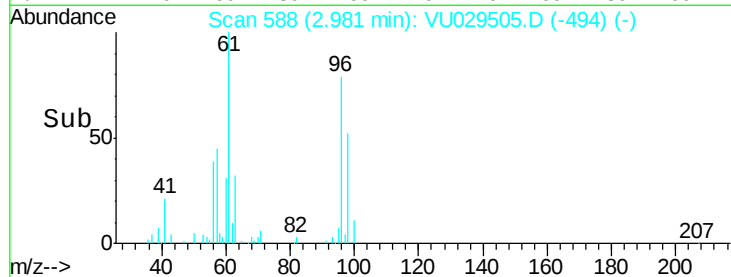
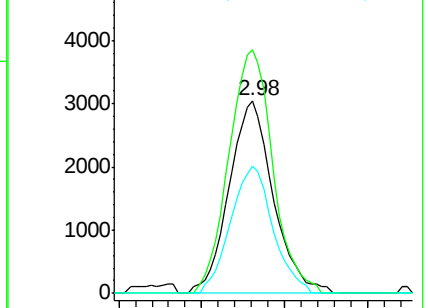
98 65.6 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VU029499.D (-570) (-)

Ion 61.05 (60.75 to 61.75): VU029499.D (-570) (-)

Ion 97.95 (97.65 to 98.65): VU029499.D (-570) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.784 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029505.D

Acq: 15 Feb 2019 18:55

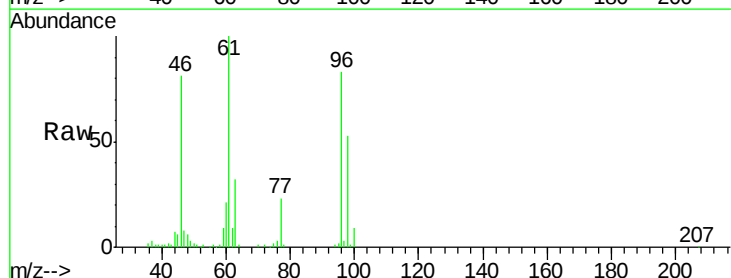
Tgt Ion: 96 Resp: 84783

Ion Ratio Lower Upper

96 100

61 120.7 79.9 148.5

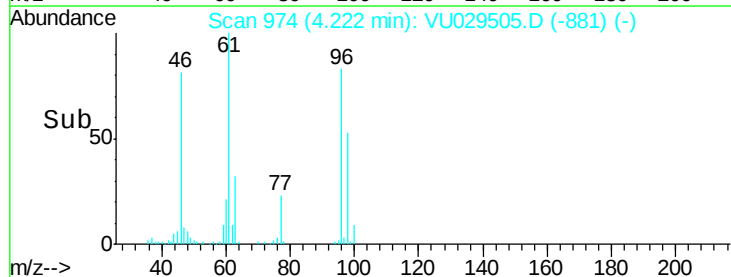
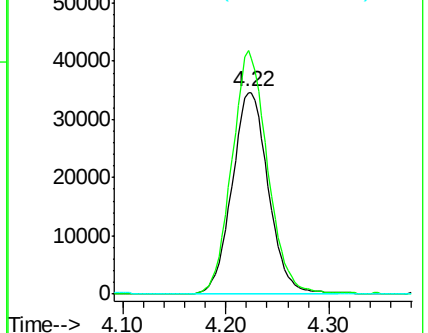
68 0.0 0.0 0.0

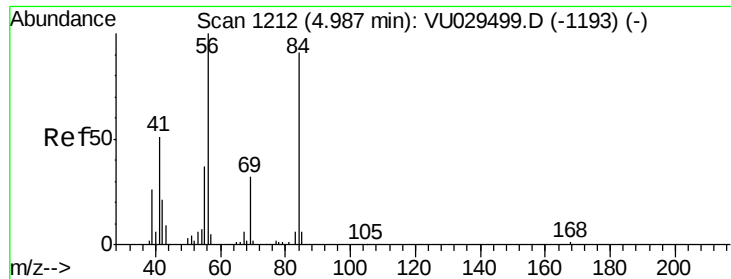


Abundance Ion 96.00 (95.70 to 96.70): VU029499.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU029499.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU029499.D (-956) (-)

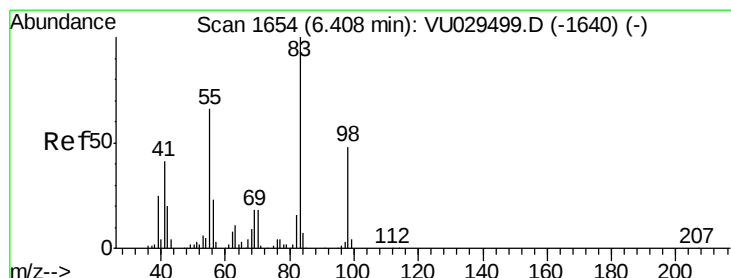
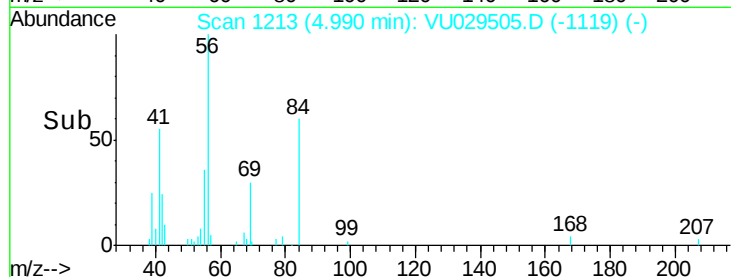
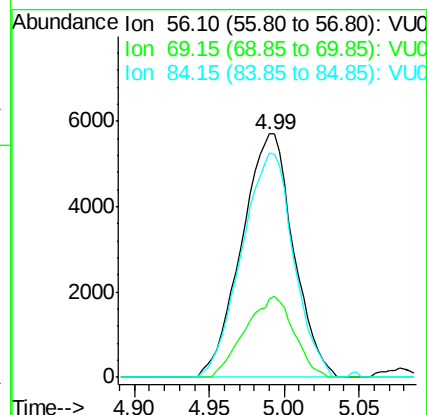
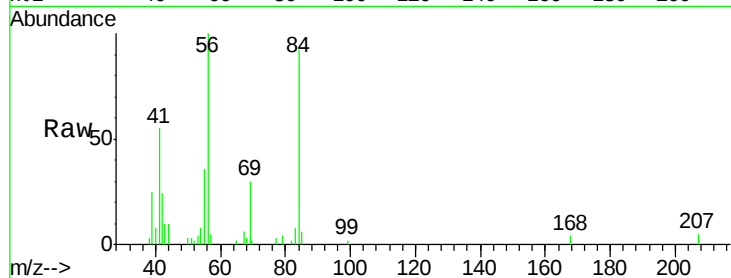




#30
Cyclohexane
Concen: 0.652 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU029505.D
Acq: 15 Feb 2019 18:55

Instrument :
MSVOA_U
ClientSampleId :
ESXD8DL

Tot Ion: 56 Resp: 13736
Ion Ratio Lower Upper
56 100
69 31.4 25.8 38.6
84 92.3 75.0 112.6



#35
Methylcyclohexane
Concen: 0.352 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029505.D
Acq: 15 Feb 2019 18:55

Tgt Ion: 83 Resp: 8710
Ion Ratio Lower Upper
83 100
55 72.0 55.9 83.9
98 45.9 38.6 57.8

