

Data File : VU033735.D
Acq On : 10 Aug 2019 23:13
Operator : JC/SP
Sample : K4289-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B37

Quant Time: Aug 12 01:52:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Sun Aug 11 04:51:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	294607	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	290654	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	139045	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	42435	19.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	39.14%#
7) Chloroethane-d5	1.67	69	43713	20.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	40.22%#
11) 1,1-Dichloroethene-d2	2.26	63	54319	14.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	29.80%#
21) 2-Butanone-d5	4.15	46	174758	129.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	129.98%
24) Chloroform-d	4.62	84	125975	39.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.20%
26) 1,2-Dichloroethane-d4	5.29	65	84549	41.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.94%
32) Benzene-d6	5.32	84	205556	29.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	59.94%#
36) 1,2-Dichloropropane-d6	6.31	67	83686	39.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.52%
41) Toluene-d8	7.55	98	159536	24.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	49.46%#
43) trans-1,3-Dichloropropene-	7.83	79	34738	32.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.36%
47) 2-Hexanone-d5	8.29	63	122090	111.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.97%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	164591	52.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.72%
64) 1,2-Dichlorobenzene-d4	11.84	152	99660	42.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.18%

Target Compounds

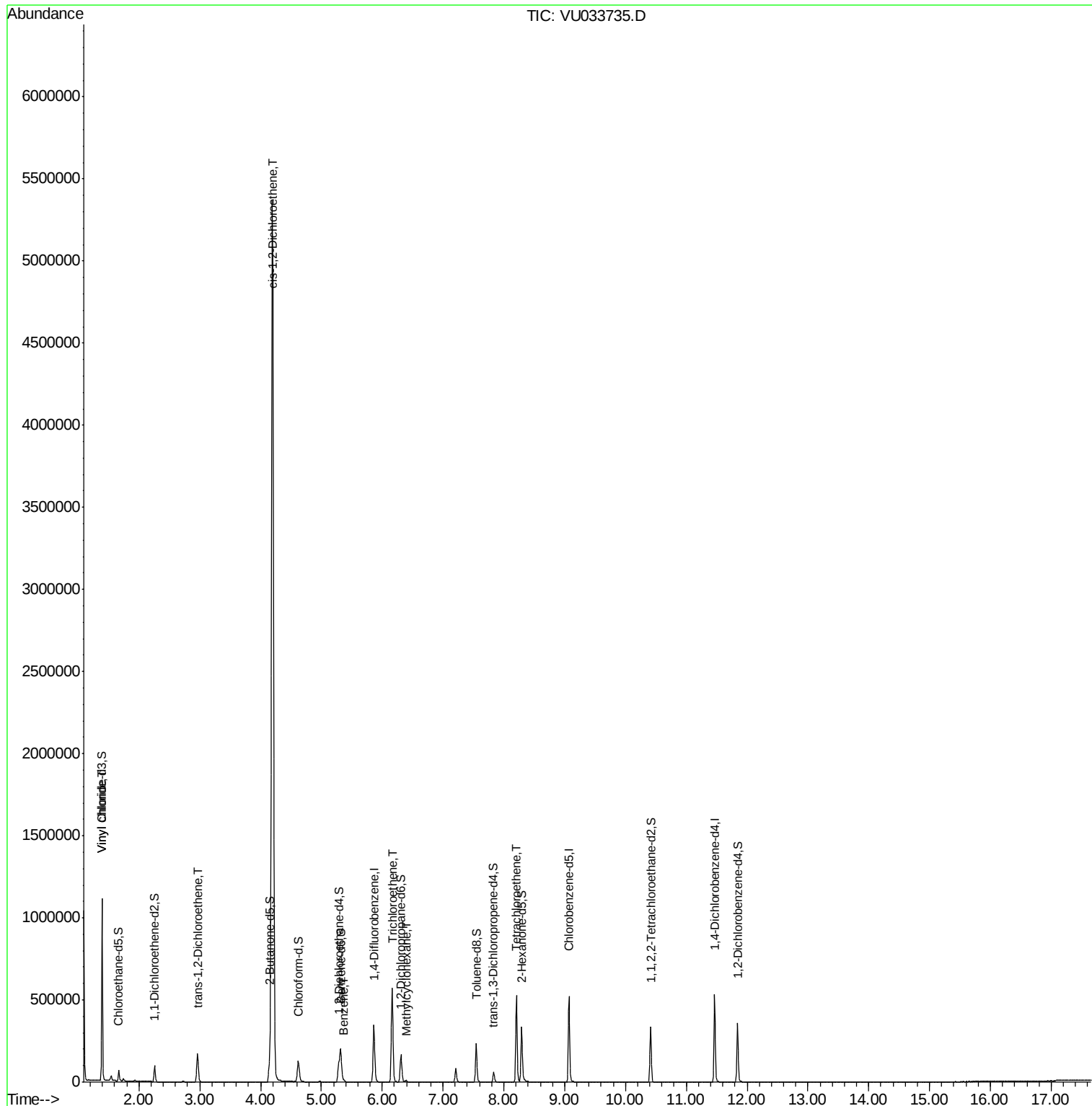
						Qvalue
5) Vinyl chloride	1.40	62	656464	264.701	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	67816	36.525	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	2972267	1403.435	ug/L	96
33) Benzene	5.37	78	10503	1.298	ug/L	100
34) Trichloroethene	6.16	95	196294	91.973	ug/L	96
35) Methylcyclohexane	6.39	83	4307	1.326	ug/L	92
46) Tetrachloroethene	8.21	164	117668	66.882	ug/L	98

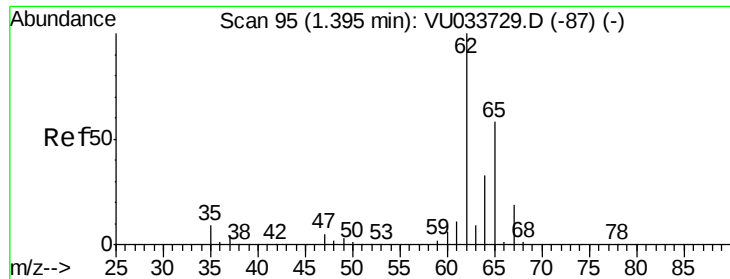
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 264.701 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033735.D

Acq: 10 Aug 2019 23:13

Instrument :

MSVOA_U

ClientSampleId :

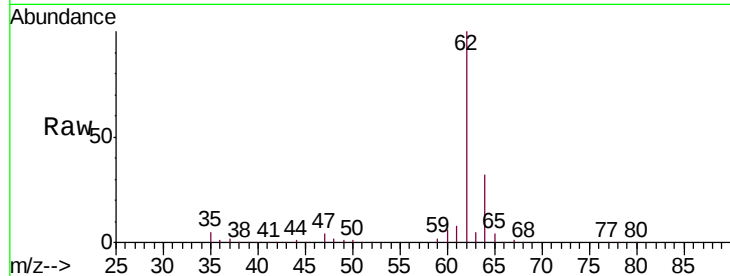
F2B37

Tgt Ion: 62 Resp: 656464

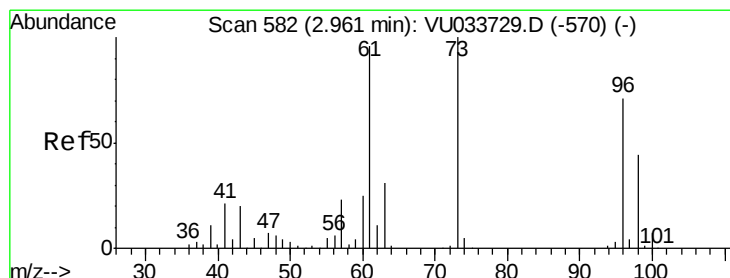
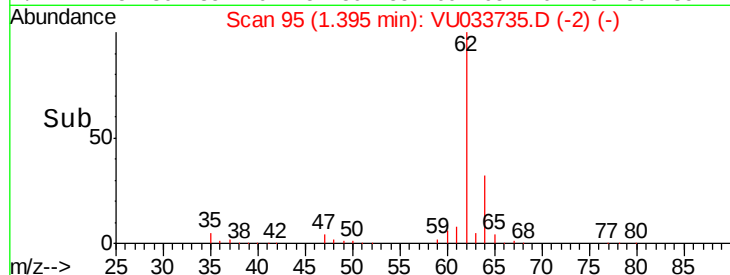
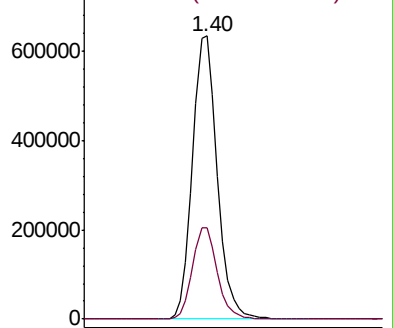
Ion Ratio Lower Upper

62 100

64 32.3 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033735.D (-2) (-)



#17

trans-1,2-Dichloroethene

Concen: 36.525 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033735.D

Acq: 10 Aug 2019 23:13

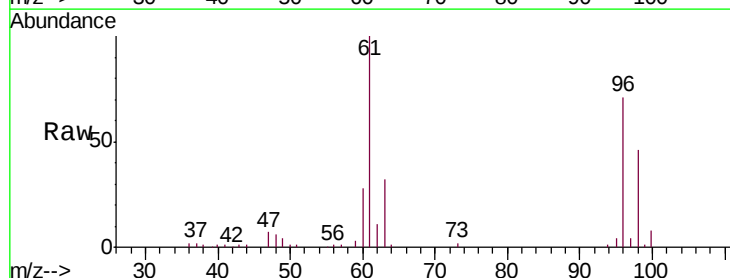
Tgt Ion: 96 Resp: 67816

Ion Ratio Lower Upper

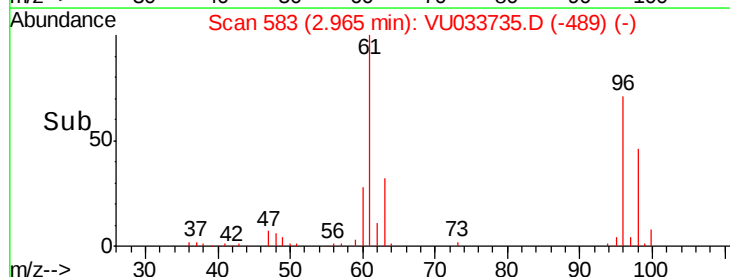
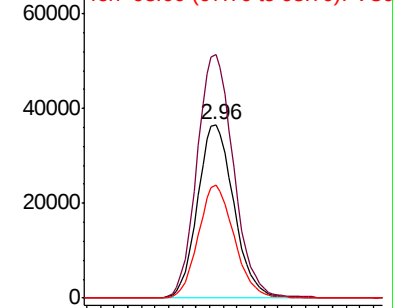
96 100

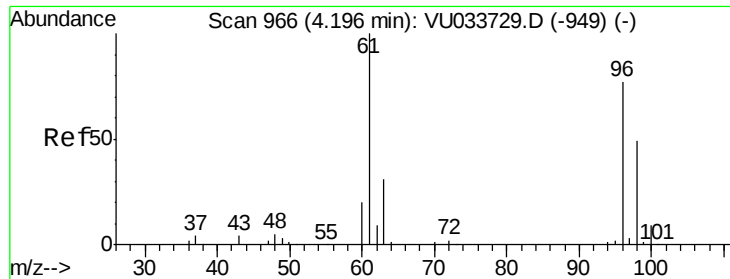
61 140.5 95.6 177.6

98 65.3 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033735.D (-489) (-)

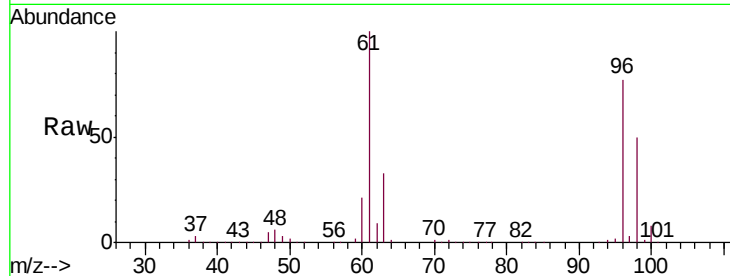




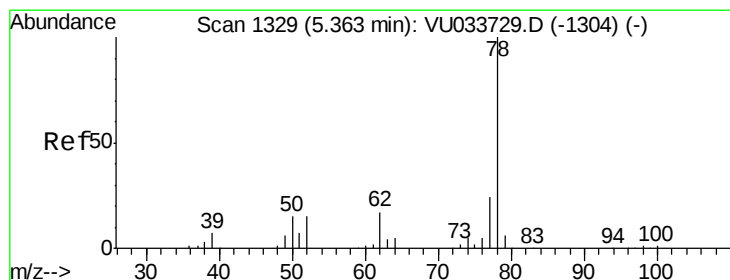
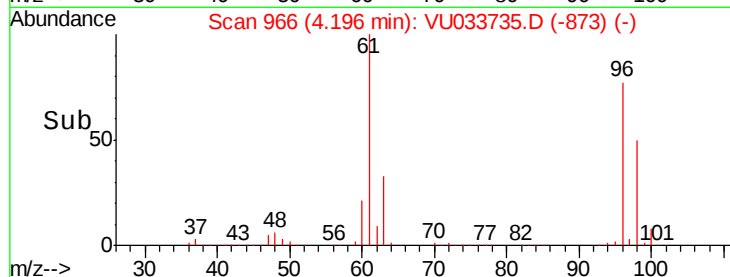
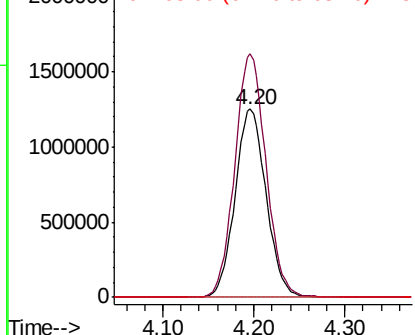
#20
 cis-1,2-Dichloroethene
 Concen: 1403.435 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033735.D
 Acq: 10 Aug 2019 23:13

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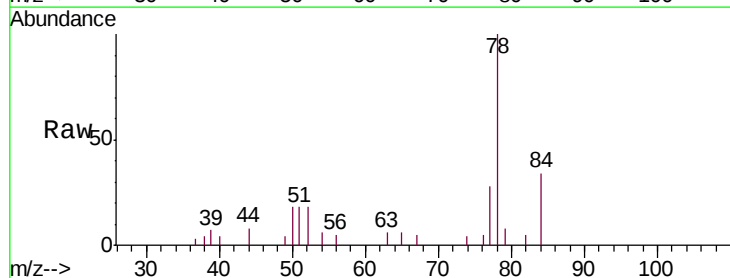
Tgt Ion: 96 Resp: 2972267
 Ion Ratio Lower Upper
 96 100
 61 129.2 87.0 161.6
 68 0.0 0.0 0.0



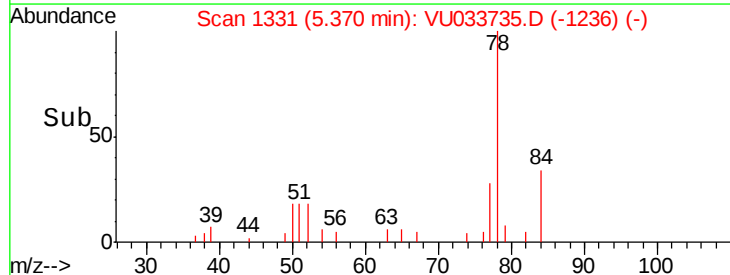
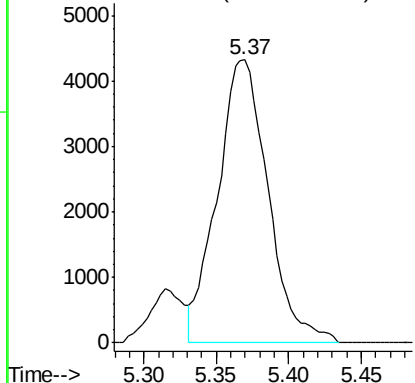
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

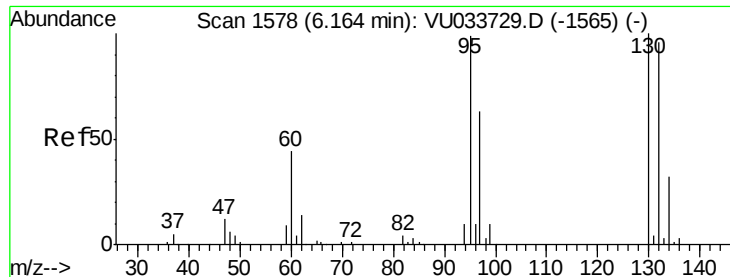


#33
 Benzene
 Concen: 1.298 ug/L
 RT: 5.37 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VU033735.D
 Acq: 10 Aug 2019 23:13
 Tgt Ion: 78 Resp: 10503



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 91.973 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033735.D

Acq: 10 Aug 2019 23:13

Instrument :

MSVOA_U

ClientSampleId :

F2B37

Tgt Ion: 95 Resp: 196294

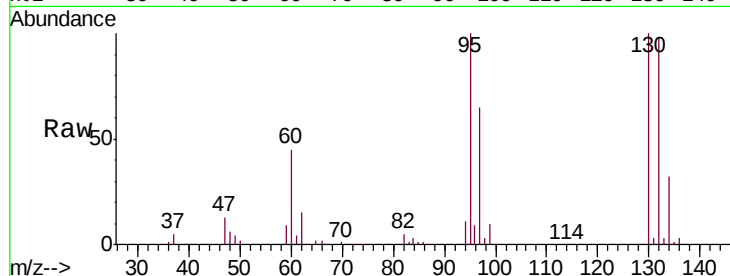
Ion Ratio Lower Upper

95 100

97 65.0 45.6 84.8

132 98.5 72.0 133.8

130 100.4 74.3 138.1

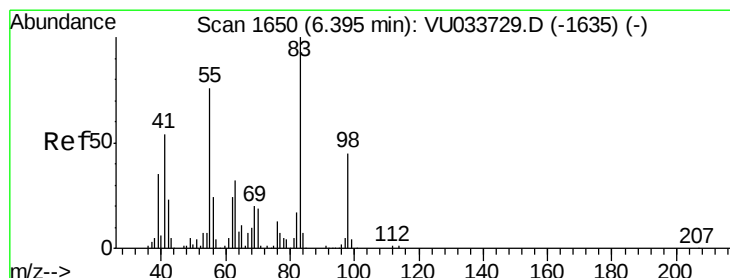
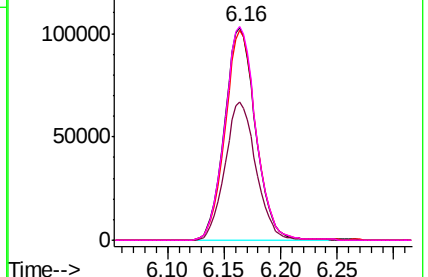
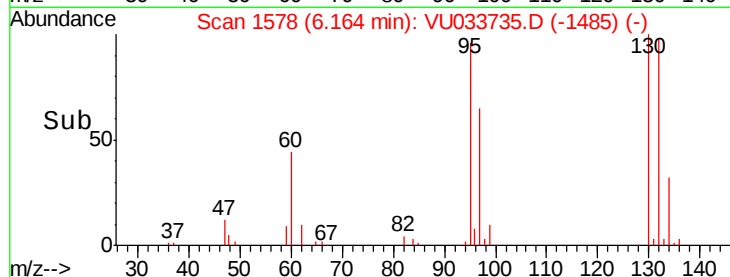


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 1.326 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033735.D

Acq: 10 Aug 2019 23:13

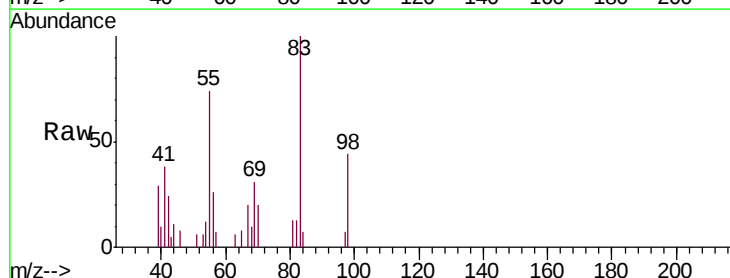
Tgt Ion: 83 Resp: 4307

Ion Ratio Lower Upper

83 100

55 82.6 58.1 87.1

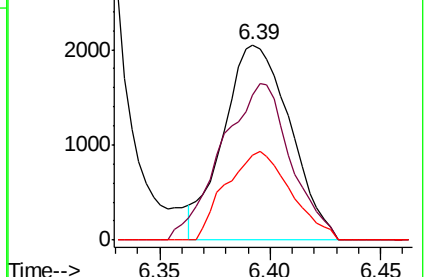
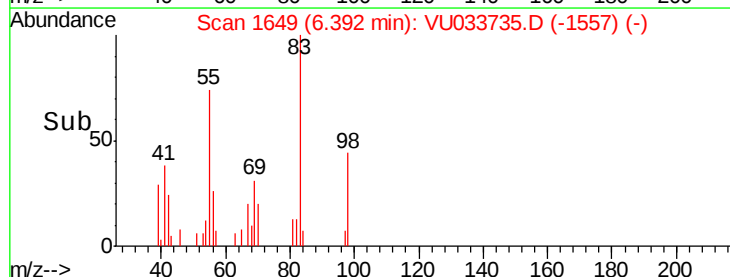
98 44.1 36.8 55.2

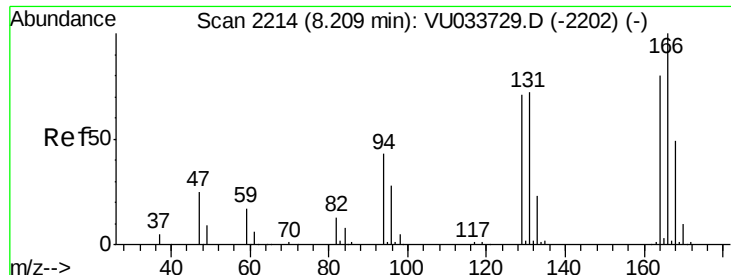


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#46

Tetrachloroethene

Concen: 66.882 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033735.D

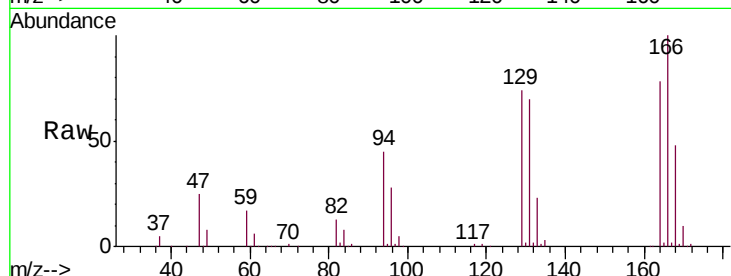
Acq: 10 Aug 2019 23:13

Instrument :

MSVOA_U

ClientSampleId :

F2B37



Tgt Ion:164 Resp: 117668

Ion Ratio Lower Upper

164 100

129 95.5 65.5 121.7

131 90.3 63.6 118.0

166 128.5 92.7 172.3

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

