

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\
 Data File : VU037956.D
 Acq On : 30 Apr 2020 16:56
 Operator : JC/MD
 Sample : L2396-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DA8

Quant Time: May 01 04:33:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 01 02:16:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	671158	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	648041	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	288246	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	258537	43.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.58%
7) Chloroethane-d5	1.93	69	223086	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.92%
11) 1,1-Dichloroethene-d2	2.59	63	371173	38.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.88%
21) 2-Butanone-d5	4.66	46	418149	90.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.63%
24) Chloroform-d	5.10	84	416835	45.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.74	65	302647	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
32) Benzene-d6	5.76	84	915670	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
36) 1,2-Dichloropropane-d6	6.72	67	302996	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.68%
41) Toluene-d8	7.92	98	818365	46.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.42%
43) trans-1,3-Dichloropropene-	8.20	79	111811	37.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.30%
47) 2-Hexanone-d5	8.65	63	271535	98.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.58%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	418591	45.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.74%
64) 1,2-Dichlorobenzene-d4	12.20	152	285746	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%

Target Compounds

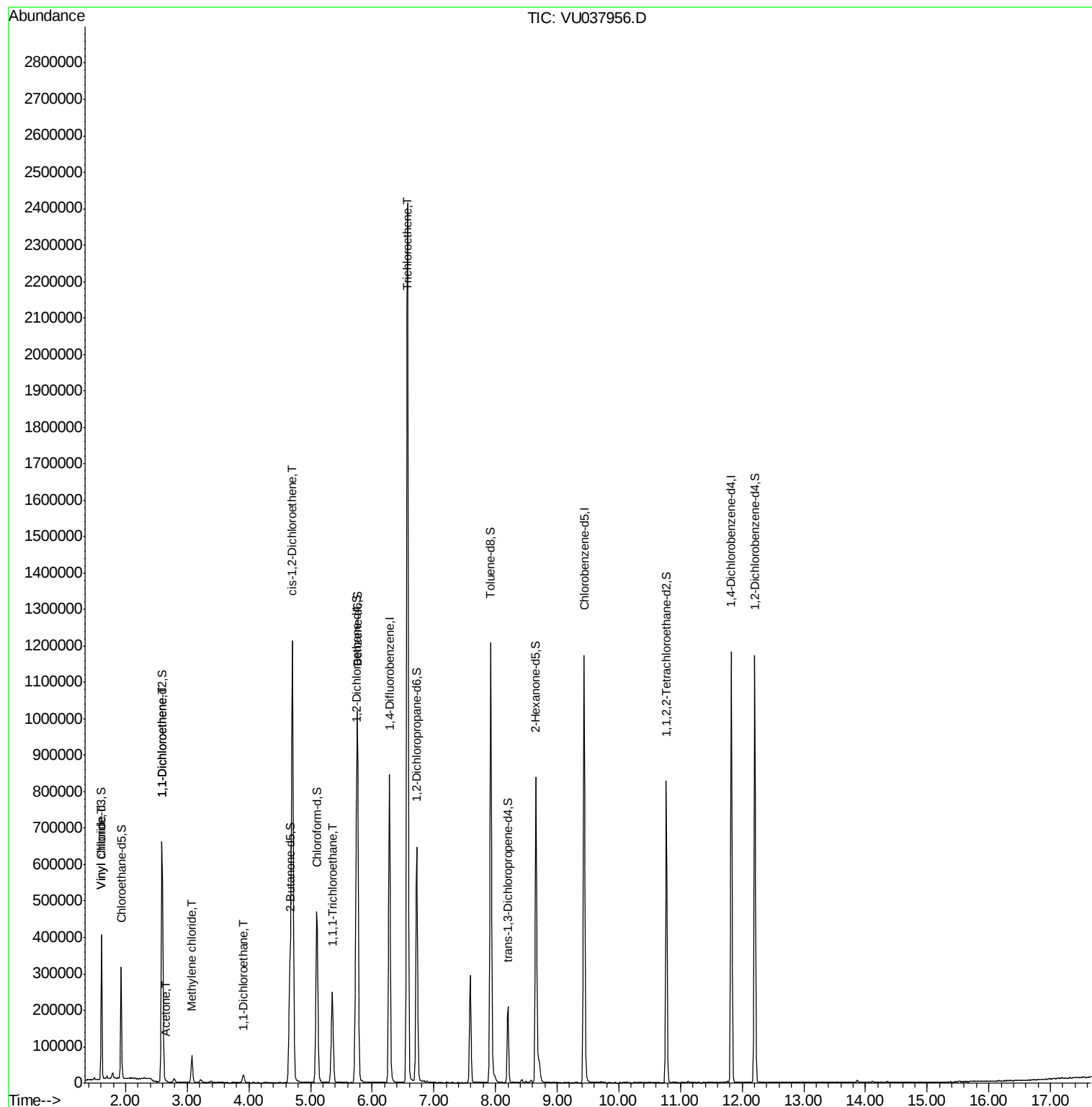
					Ovalue
5) Vinyl chloride	1.61	62	7263	1.080 ug/L #	1
12) 1,1-Dichloroethene	2.60	96	83255	18.940 ug/L #	60
13) Acetone	2.66	43	4647	1.564 ug/L	91
16) Methylene chloride	3.08	84	34115	6.584 ug/L	97
19) 1,1-Dichloroethane	3.91	63	25017	2.646 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	597545	113.871 ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	179480	24.916 ug/L	99
34) Trichloroethene	6.57	95	821578	167.244 ug/L	100

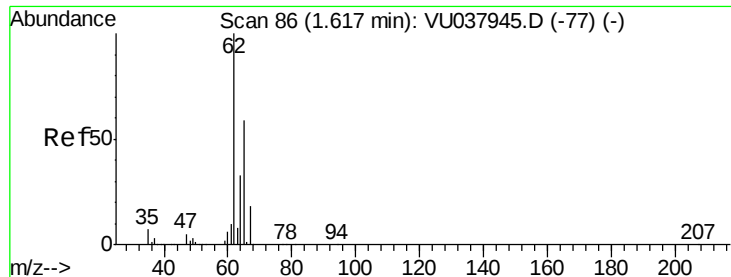
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri May 01 02:16:47 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.080 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU037956.D

Acq: 30 Apr 2020 16:56

Instrument :

MSVOA_U

ClientSampleId :

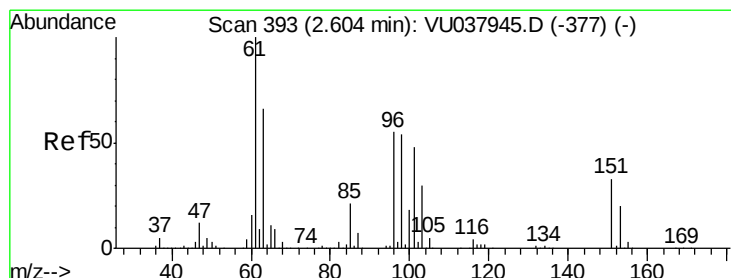
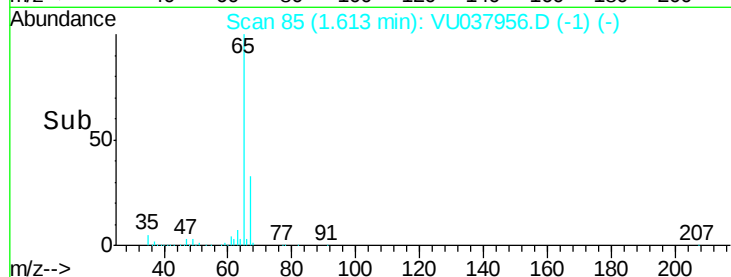
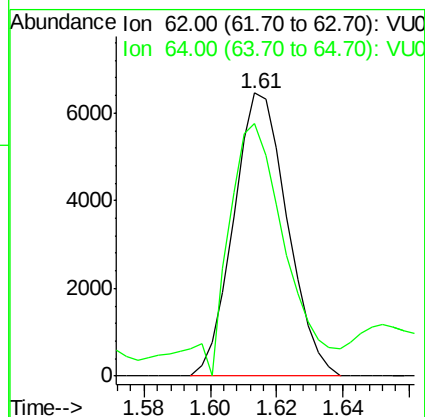
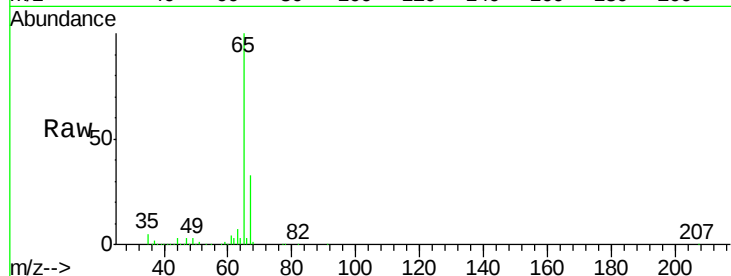
C0DA8

Tot Ion: 62 Resp: 7263

Ion Ratio Lower Upper

62 100

64 89.2 23.2 43.2#



#12

1,1-Dichloroethene

Concen: 18.940 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037956.D

Acq: 30 Apr 2020 16:56

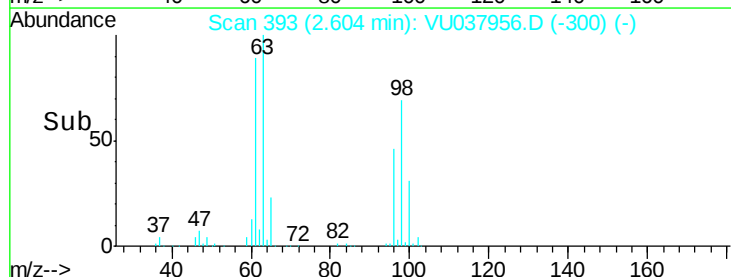
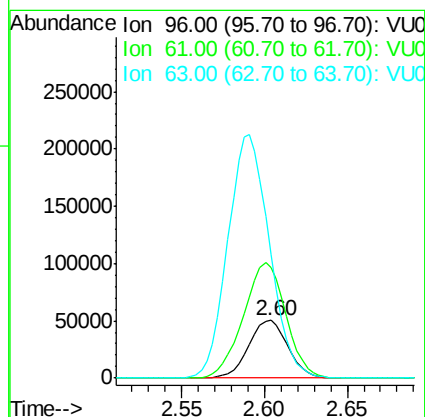
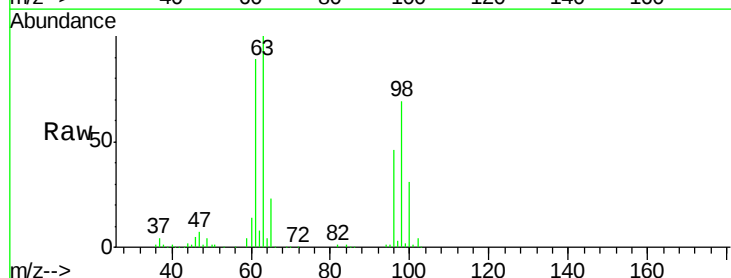
Tgt Ion: 96 Resp: 83255

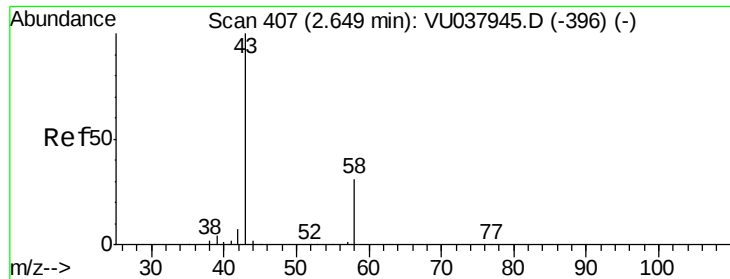
Ion Ratio Lower Upper

96 100

61 192.6 126.1 234.3

63 215.3 83.4 154.8#





#13

Acetone

Concen: 1.564 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU037956.D

Acq: 30 Apr 2020 16:56

Instrument :

MSVOA_U

ClientSampled :

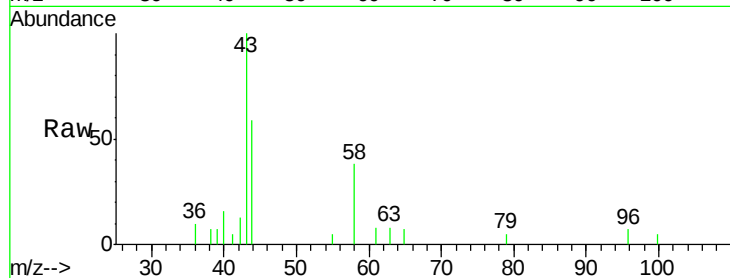
C0DA8

Tot Ion: 43 Resp: 4647

Ion Ratio Lower Upper

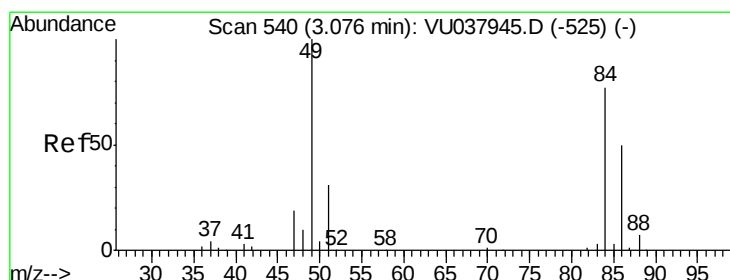
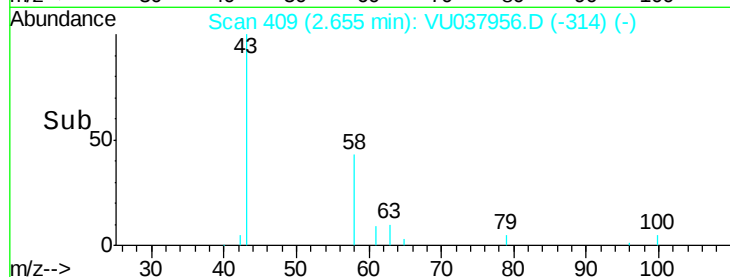
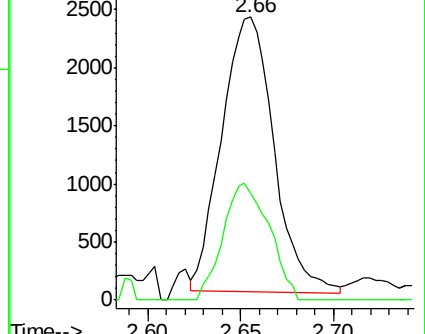
43 100

58 37.4 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU037945.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037945.D (-396) (-)



#16

Methylene chloride

Concen: 6.584 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037956.D

Acq: 30 Apr 2020 16:56

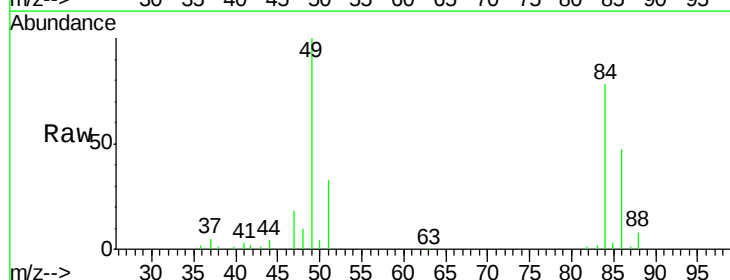
Tgt Ion: 84 Resp: 34115

Ion Ratio Lower Upper

84 100

86 60.4 45.1 83.9

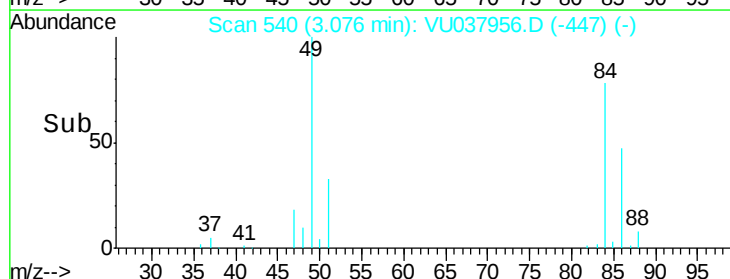
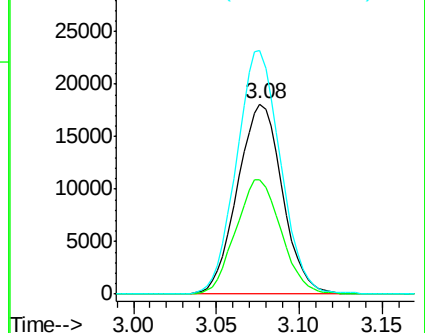
49 128.2 91.2 169.4

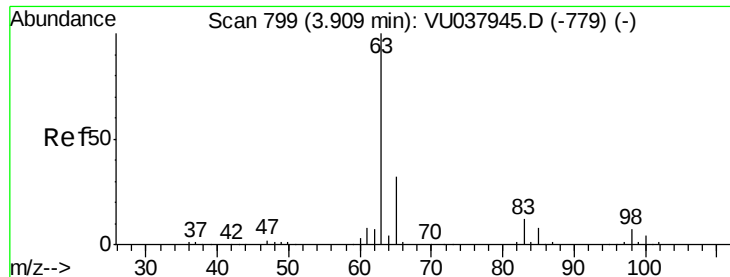


Abundance Ion 84.00 (83.70 to 84.70): VU037945.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU037945.D (-525) (-)

Ion 49.00 (48.70 to 49.70): VU037945.D (-525) (-)





#19

1,1-Dichloroethane

Concen: 2.646 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU037956.D

Acq: 30 Apr 2020 16:56

Instrument :

MSVOA_U

ClientSampleId :

C0DA8

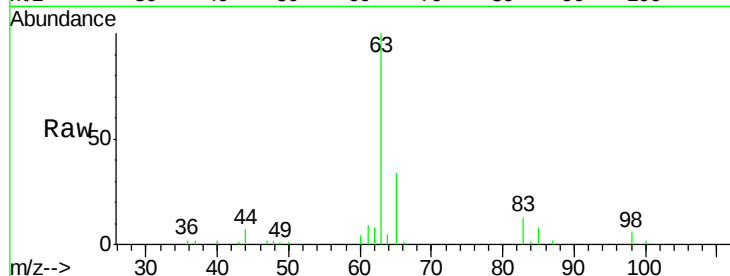
Tot Ion: 63 Resp: 25017

Ion Ratio Lower Upper

63 100

65 33.8 22.5 41.7

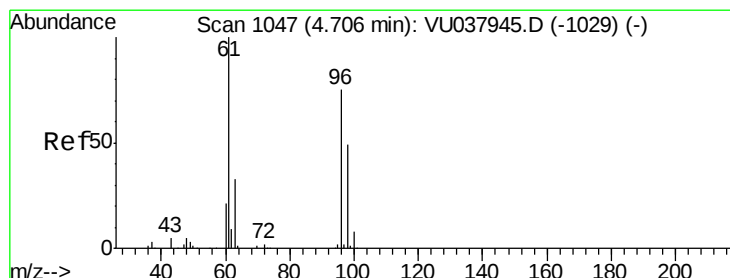
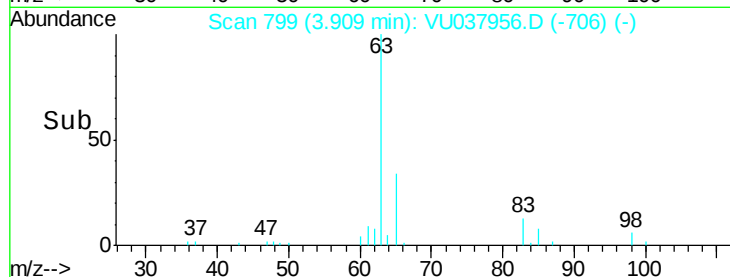
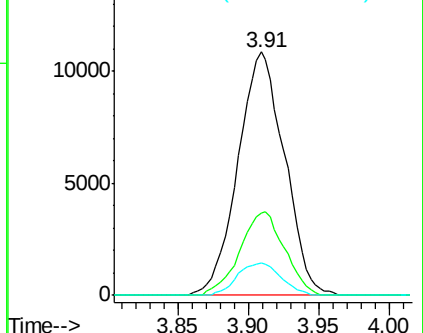
83 13.3 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU037945.D (-779) (-)

Ion 65.00 (64.70 to 65.70): VU037945.D (-779) (-)

Ion 83.00 (82.70 to 83.70): VU037945.D (-779) (-)



#20

cis-1,2-Dichloroethene

Concen: 113.871 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037956.D

Acq: 30 Apr 2020 16:56

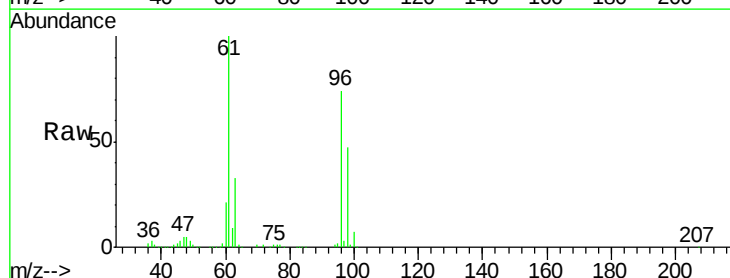
Tgt Ion: 96 Resp: 597545

Ion Ratio Lower Upper

96 100

61 136.0 93.9 174.3

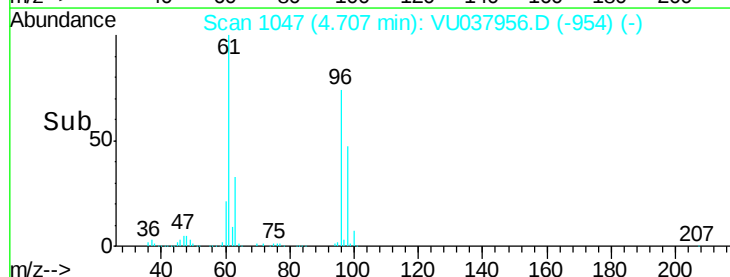
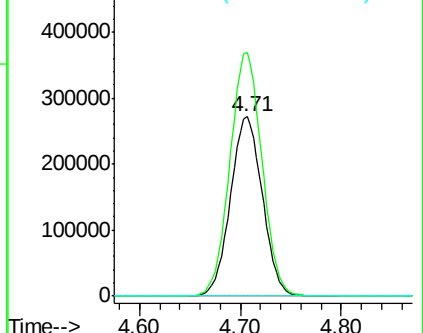
68 0.0 0.0 0.0

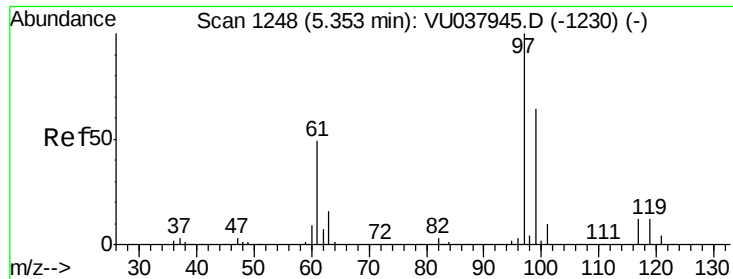


Abundance Ion 96.00 (95.70 to 96.70): VU037945.D (-1029) (-)

Ion 61.00 (60.70 to 61.70): VU037945.D (-1029) (-)

Ion 68.00 (67.70 to 68.70): VU037945.D (-1029) (-)

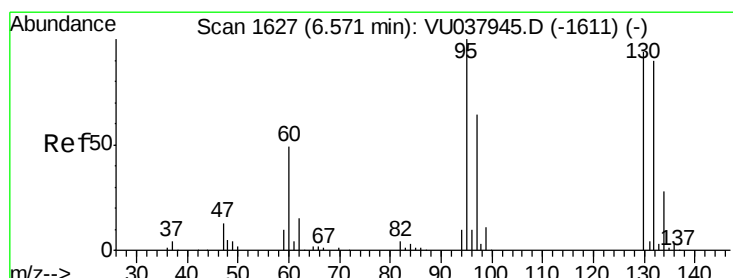
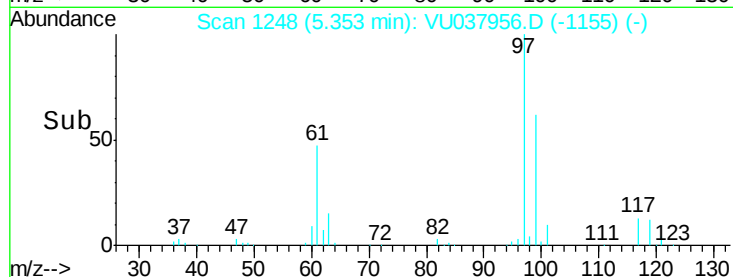
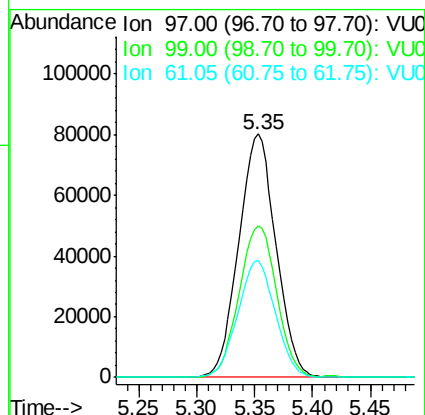
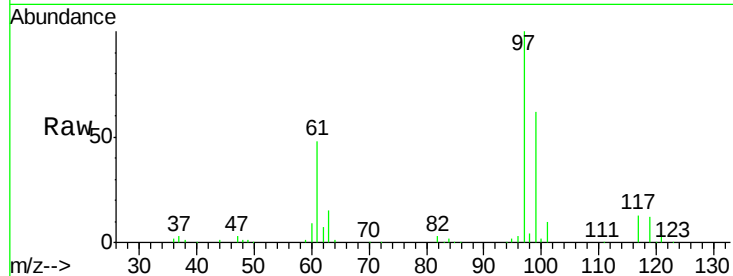




#30
 1,1,1-Trichloroethane
 Concen: 24.916 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU037956.D
 Acq: 30 Apr 2020 16:56

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DA8

Tot Ion: 97 Resp: 179480
 Ion Ratio Lower Upper
 97 100
 99 62.9 50.5 75.7
 61 47.7 38.8 58.2



#34
 Trichloroethene
 Concen: 167.244 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037956.D
 Acq: 30 Apr 2020 16:56

Tgt Ion: 95 Resp: 821578
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.9 83.5
 132 90.3 63.2 117.4
 130 93.1 65.9 122.3

