

Data File : VU033707.D
Acq On : 10 Aug 2019 00:49
Operator : JC/SP
Sample : K4289-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B09

Quant Time: Aug 10 04:30:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	342334	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	329069	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	163835	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	123385	48.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.92%
7) Chloroethane-d5	1.67	69	117256	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.84%
11) 1,1-Dichloroethene-d2	2.26	63	169791	40.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.14%
21) 2-Butanone-d5	4.15	46	243242	155.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	155.70%#
24) Chloroform-d	4.62	84	237905	63.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	127.08%#
26) 1,2-Dichloroethane-d4	5.29	65	158731	67.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	135.60%#
32) Benzene-d6	5.32	84	481959	62.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.12%
36) 1,2-Dichloropropane-d6	6.31	67	161062	67.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	135.16%#
41) Toluene-d8	7.55	98	429938	58.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	117.72%
43) trans-1,3-Dichloropropene-	7.83	79	74122	61.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	123.18%
47) 2-Hexanone-d5	8.29	63	187492	151.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	151.88%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	249063	70.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	141.28%#
64) 1,2-Dichlorobenzene-d4	11.84	152	185383	67.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	134.46%#

Target Compounds

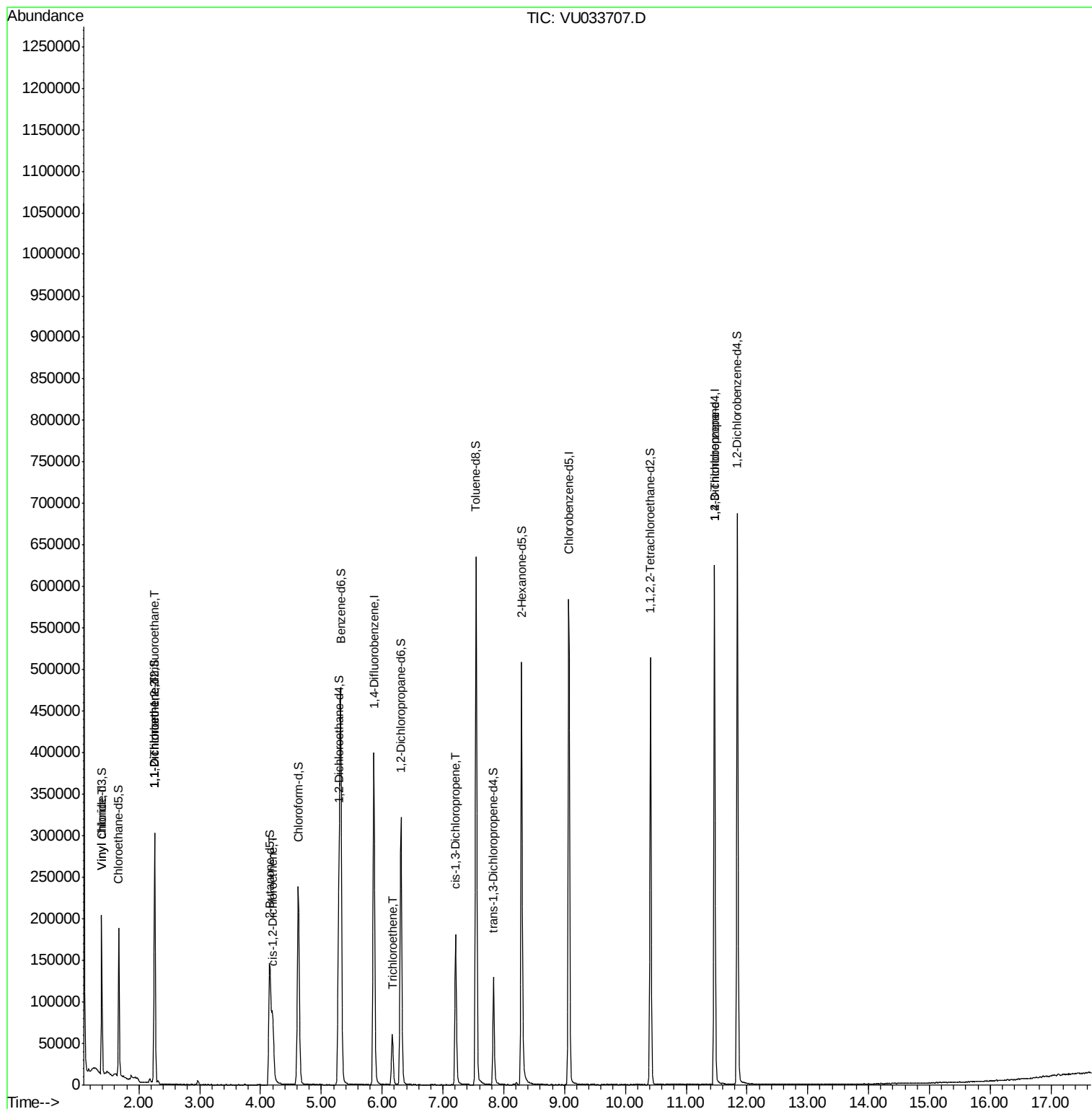
						Qvalue
5) Vinyl chloride	1.40	62	3018	1.047	ug/L #	20
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1603	0.782	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	2012	0.999	ug/L #	1
20) cis-1,2-Dichloroethene	4.20	96	40231	16.348	ug/L	96
34) Trichloroethene	6.17	95	20874	8.639	ug/L	97
39) cis-1,3-Dichloropropene	7.21	75	4770	1.228	ug/L #	73
59) 1,2,3-Trichloropropane	11.47	75	18499	5.599	ug/L	92

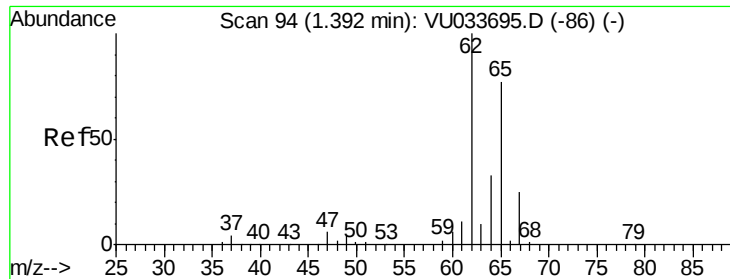
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.047 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

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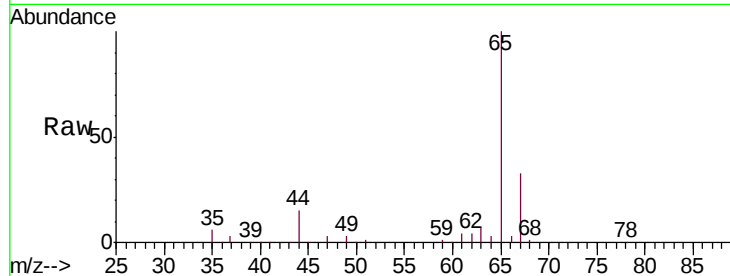
Instrument :
MSVOA_U
ClientSampleId :
F2B09

Tgt Ion: 62 Resp: 3018

Ion Ratio Lower Upper

62 100

64 79.5 23.7 43.9#



Abundance Ion 62.00 (61.70 to 62.70): VU033695.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033695.D (-86) (-)

1.40

3000

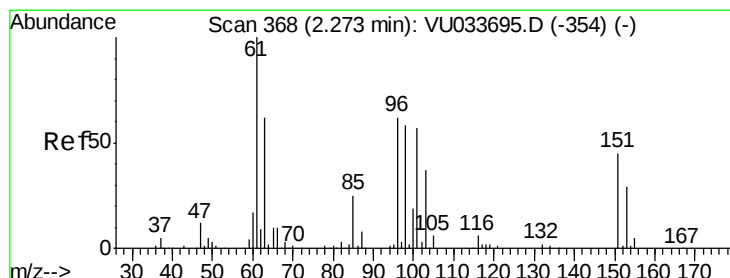
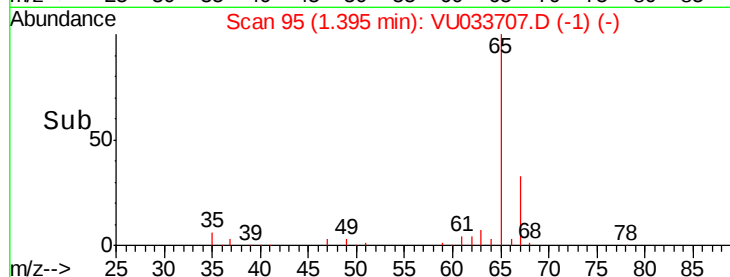
2000

1000

0

1.36 1.38 1.40 1.42

Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.782 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033707.D

Acq: 10 Aug 2019 00:49

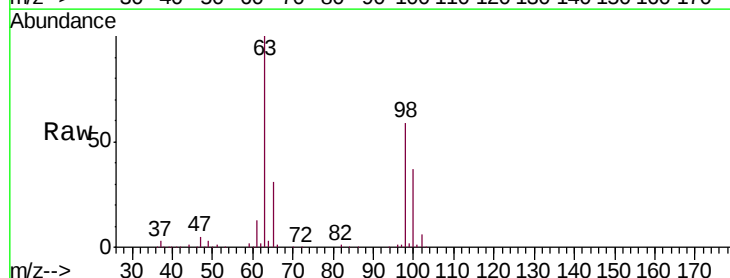
Tgt Ion: 101 Resp: 1603

Ion Ratio Lower Upper

101 100

85 0.0 34.5 51.7#

151 0.0 63.0 94.4#



Abundance Ion 101.00 (100.70 to 101.70): VU033695.D (-354) (-)

Ion 85.00 (84.70 to 85.70): VU033695.D (-354) (-)

Ion 151.00 (150.70 to 151.70): VU033695.D (-354) (-)

1200

1000

800

600

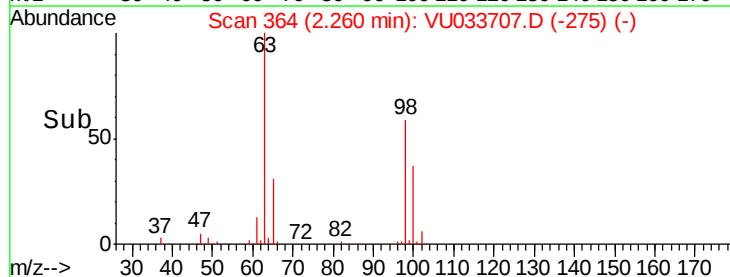
400

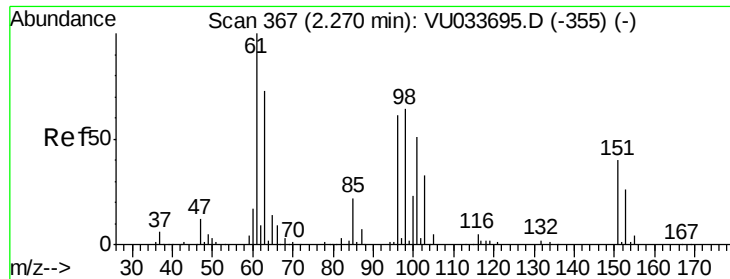
200

0

2.25 2.30

Time-->





#12

1,1-Dichloroethene

Concen: 0.999 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033707.D

Acq: 10 Aug 2019 00:49

Instrument :

MSVOA_U

ClientSampled :

F2B09

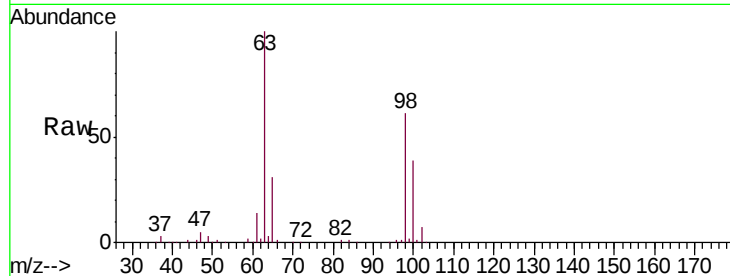
Tgt Ion: 96 Resp: 2012

Ion Ratio Lower Upper

96 100

61 1028.6 118.2 219.6#

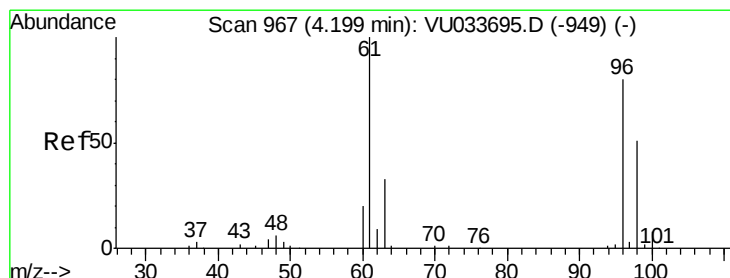
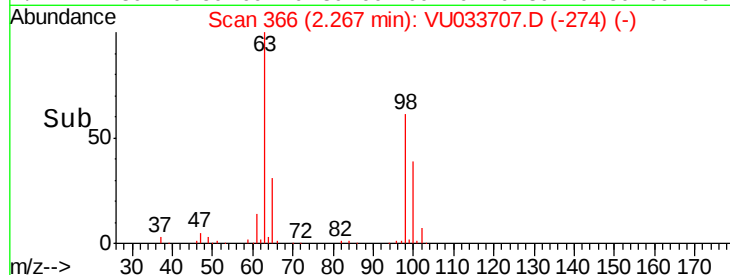
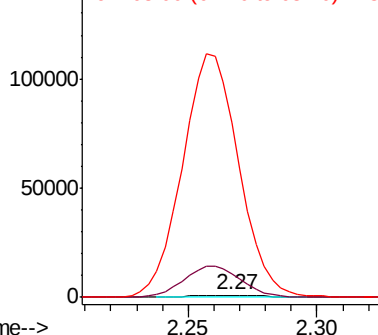
63 7526.2 90.7 168.5#



Abundance Ion 96.00 (95.70 to 96.70): VU033707.D (-274) (-)

Ion 61.00 (60.70 to 61.70): VU033707.D (-274) (-)

Ion 63.00 (62.70 to 63.70): VU033707.D (-274) (-)



#20

cis-1,2-Dichloroethene

Concen: 16.348 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU033707.D

Acq: 10 Aug 2019 00:49

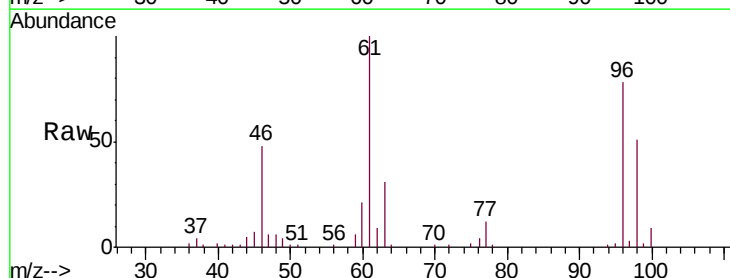
Tgt Ion: 96 Resp: 40231

Ion Ratio Lower Upper

96 100

61 128.7 87.0 161.6

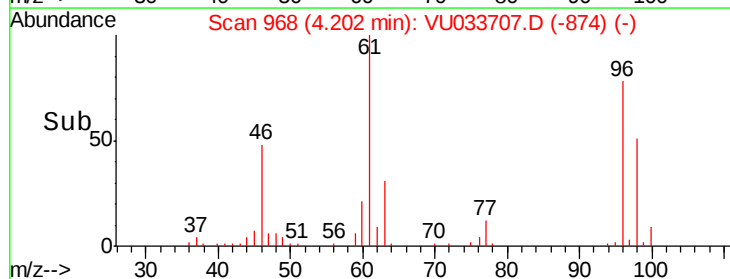
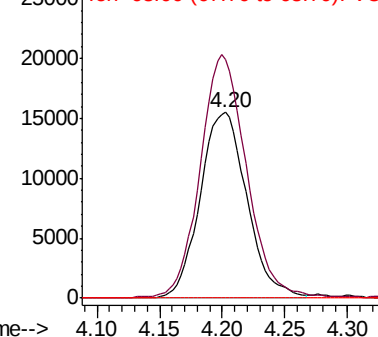
68 0.0 0.0 0.0

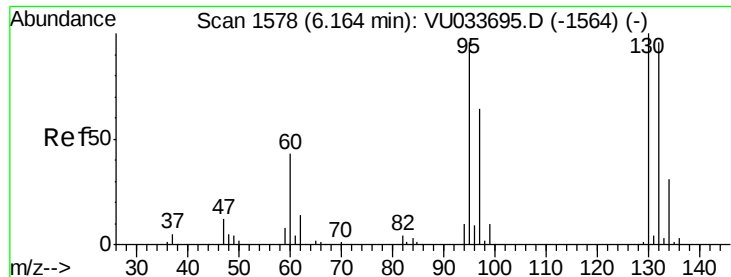


Abundance Ion 96.00 (95.70 to 96.70): VU033707.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033707.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033707.D (-874) (-)





#34

Trichloroethene

Concen: 8.639 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033707.D

Acq: 10 Aug 2019 00:49

Instrument :

MSVOA_U

ClientSampleId :

F2B09

Tgt Ion: 95 Resp: 20874

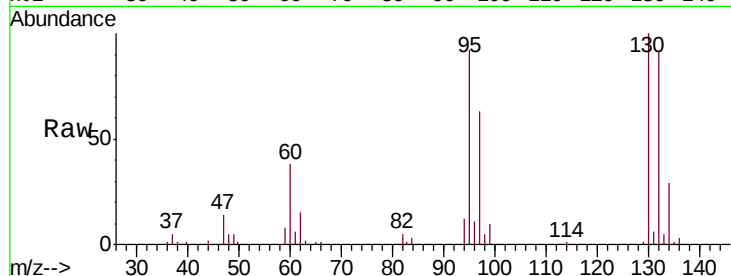
Ion Ratio Lower Upper

95 100

97 67.9 45.6 84.8

132 98.6 72.0 133.8

130 108.4 74.3 138.1

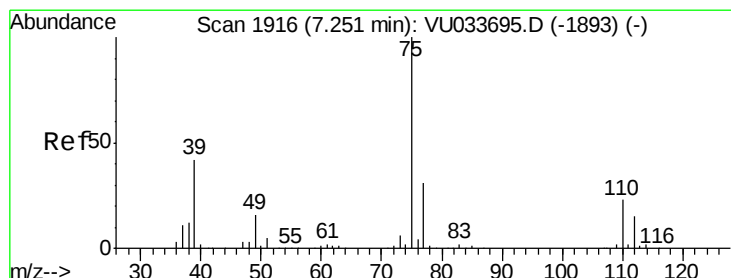
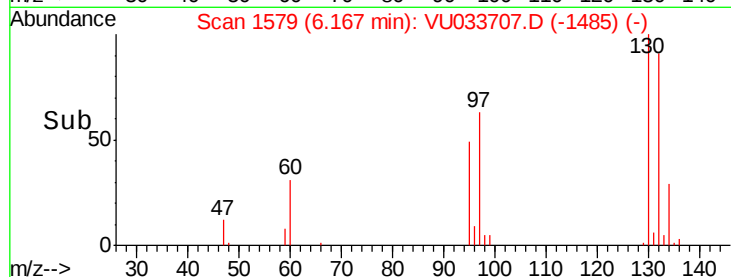
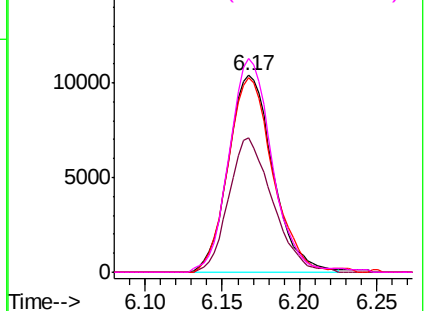


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#39

cis-1,3-Dichloropropene

Concen: 1.228 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033707.D

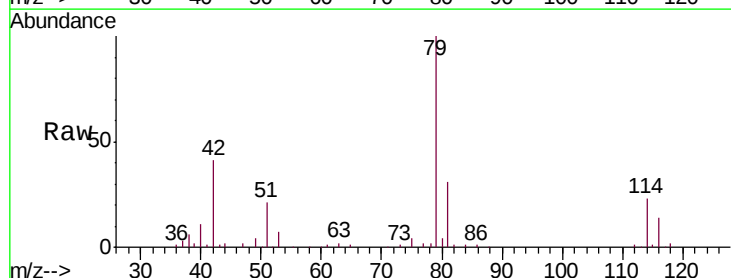
Acq: 10 Aug 2019 00:49

Tgt Ion: 75 Resp: 4770

Ion Ratio Lower Upper

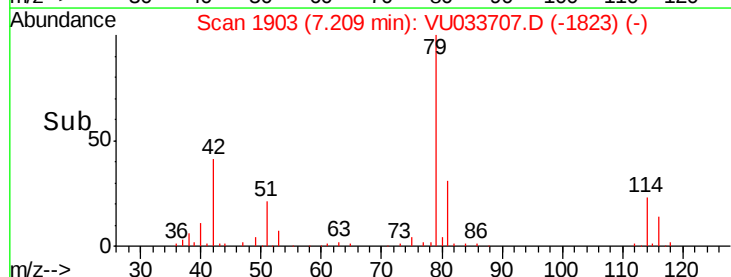
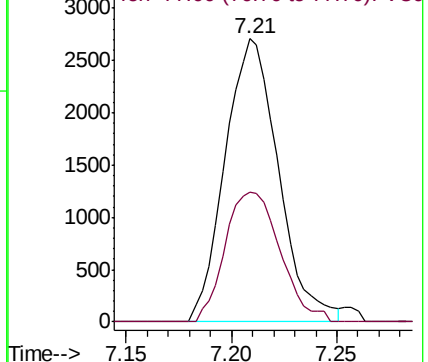
75 100

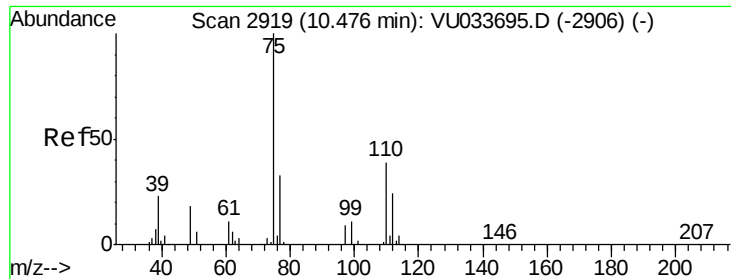
77 45.9 21.7 40.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.599 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033707.D

Acq: 10 Aug 2019 00:49

Instrument :

MSVOA_U

ClientSampleId :

F2B09

Tgt Ion: 75 Resp: 18499

Ion Ratio Lower Upper

75 100

77 37.5 26.4 39.6

