

Data File : VU033767.D
Acq On : 12 Aug 2019 13:05
Operator : JC/SP
Sample : K4202-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B22

Quant Time: Aug 12 16:57:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 12 16:26:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	375685	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	373911	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	166408	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	147725	53.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.84%
7) Chloroethane-d5	1.67	69	120861	43.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.26	63	195420	42.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.06%
21) 2-Butanone-d5	4.15	46	181966	106.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.14%
24) Chloroform-d	4.62	84	229810	55.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.86%
26) 1,2-Dichloroethane-d4	5.29	65	149075	58.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.06%
32) Benzene-d6	5.32	84	470890	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.72%
36) 1,2-Dichloropropane-d6	6.31	67	150029	55.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.80%
41) Toluene-d8	7.55	98	409085	49.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.58%
43) trans-1,3-Dichloropropene-	7.83	79	66994	48.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.98%
47) 2-Hexanone-d5	8.29	63	127034	90.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.57%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	209755	52.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.72%
64) 1,2-Dichlorobenzene-d4	11.85	152	154900	55.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.62%

Target Compounds

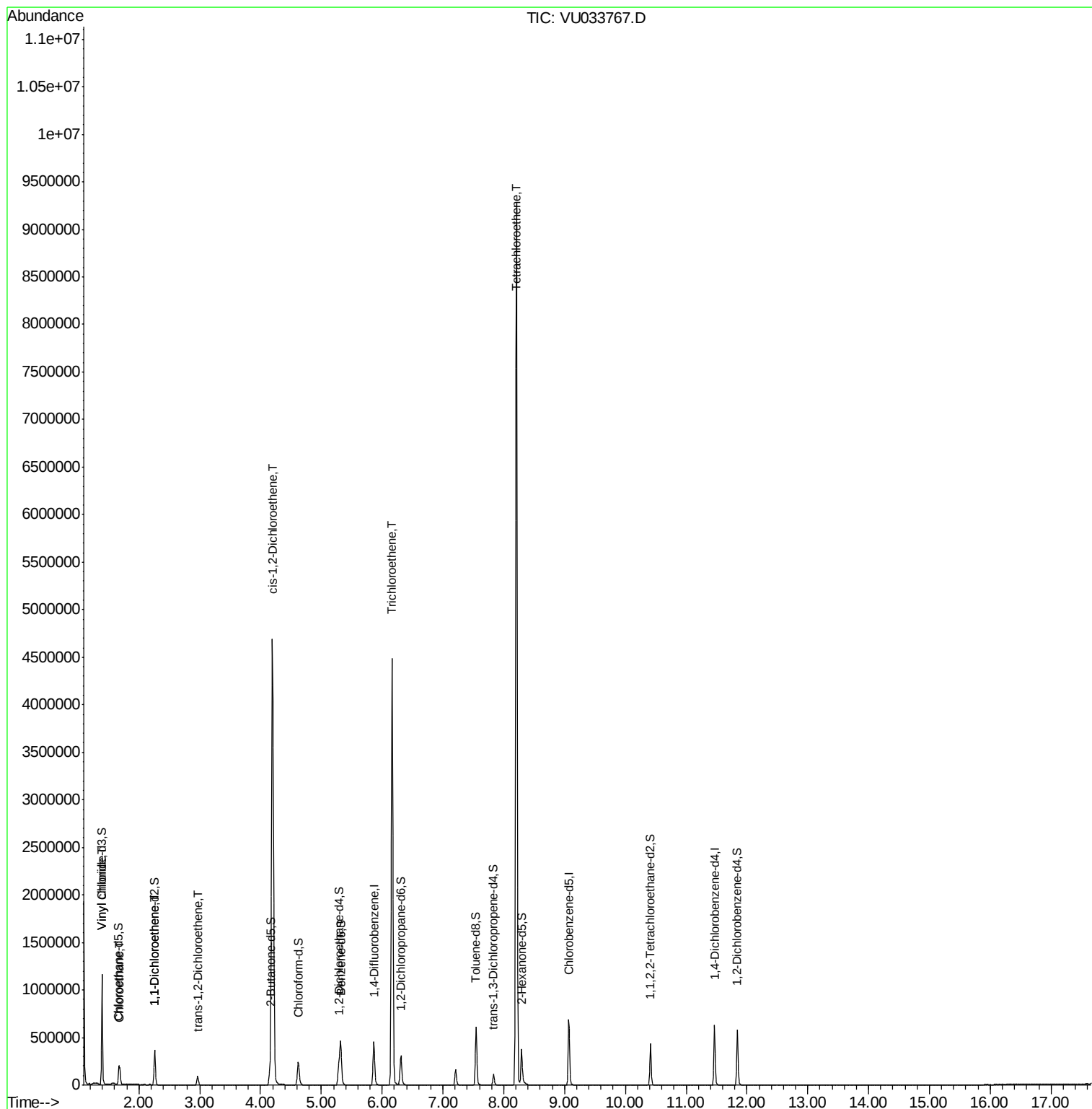
						Qvalue
5) Vinyl chloride	1.39	62	619151	195.777	ug/L	97
8) Chloroethane	1.69	64	95128	39.511	ug/L	98
12) 1,1-Dichloroethene	2.27	96	18248	8.260	ug/L #	1
17) trans-1,2-Dichloroethene	2.96	96	35127	14.836	ug/L	87
20) cis-1,2-Dichloroethene	4.20	96	2602064	963.478	ug/L	94
34) Trichloroethene	6.16	95	1504111	547.822	ug/L	95
46) Tetrachloroethene	8.21	164	1961095	866.480	ug/L	95

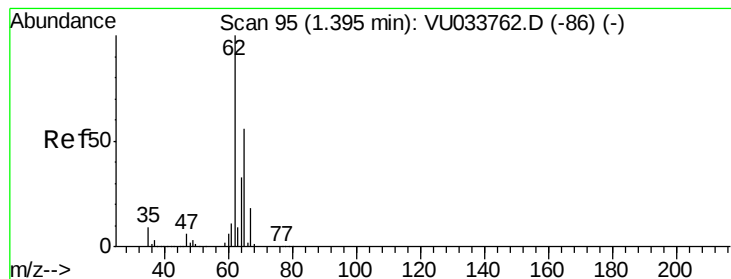
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 195.777 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

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ClientSampleId :

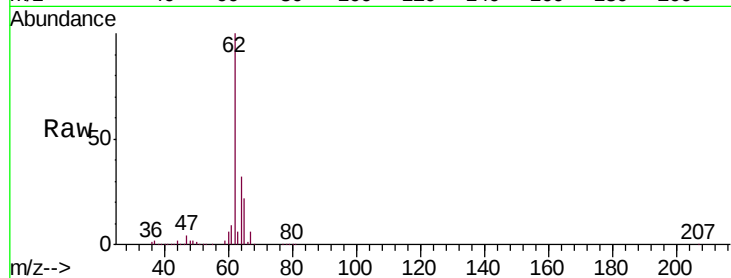
F2B22

Tgt Ion: 62 Resp: 619151

Ion Ratio Lower Upper

62 100

64 32.2 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033767.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033767.D (-86) (-)

1.39

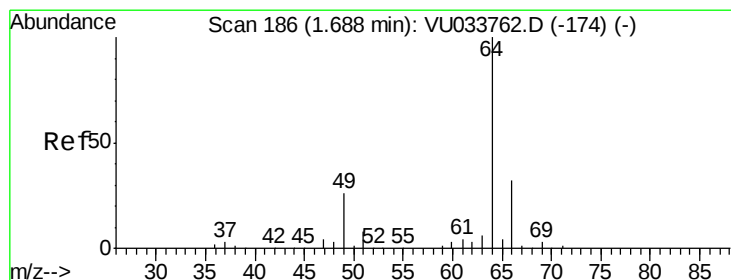
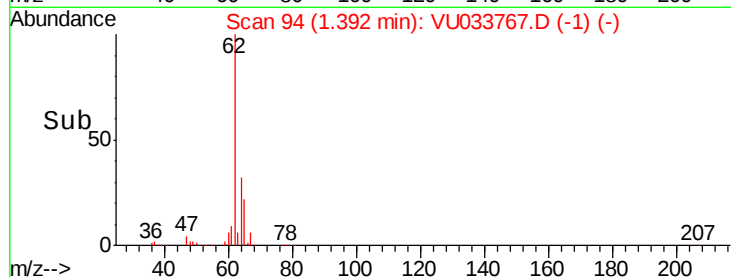
600000

400000

200000

0

Time-->



#8

Chloroethane

Concen: 39.511 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033767.D

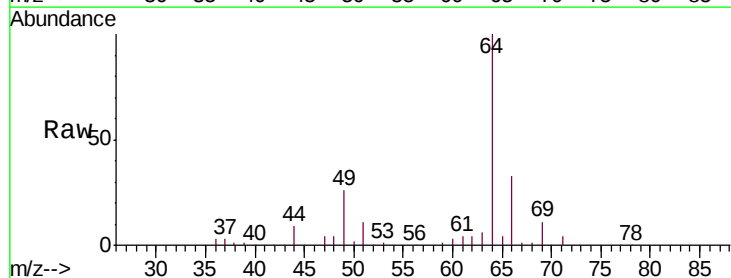
Acq: 12 Aug 2019 13:05

Tgt Ion: 64 Resp: 95128

Ion Ratio Lower Upper

64 100

66 32.7 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VU033767.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU033767.D (-174) (-)

1.69

80000

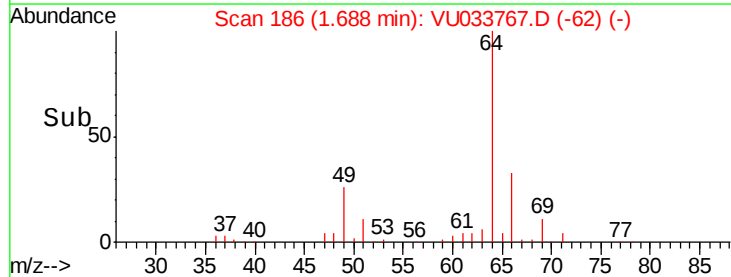
60000

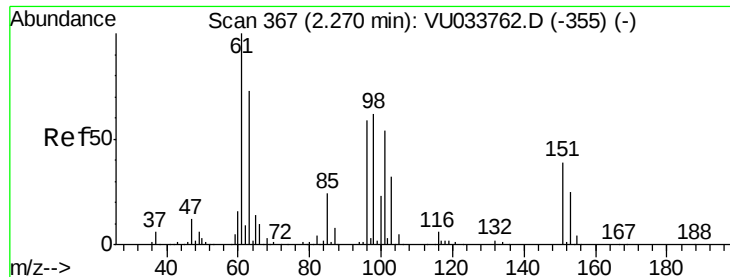
40000

20000

0

Time-->





#12

1,1-Dichloroethene

Concen: 8.260 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033767.D

Acq: 12 Aug 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

F2B22

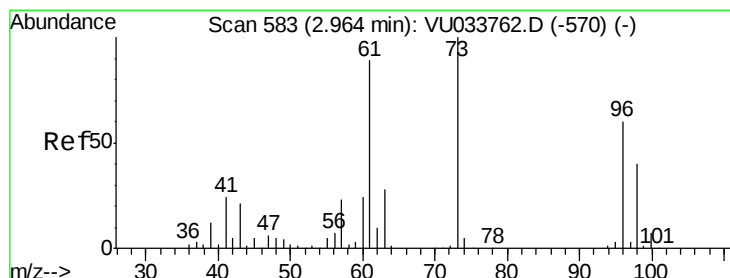
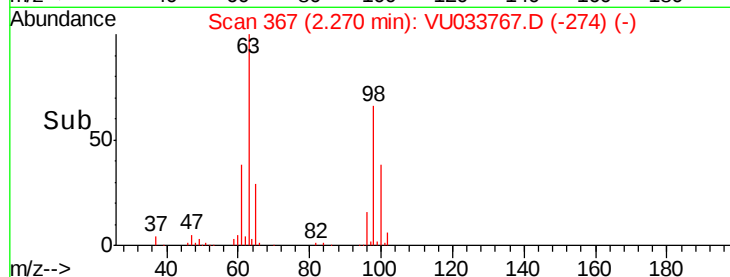
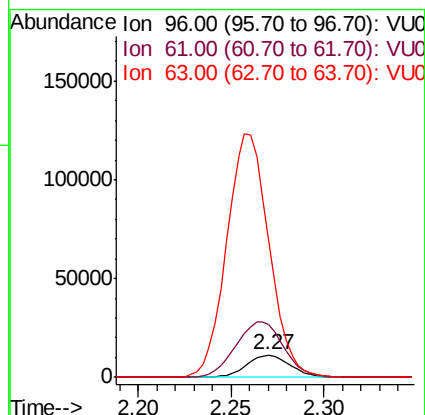
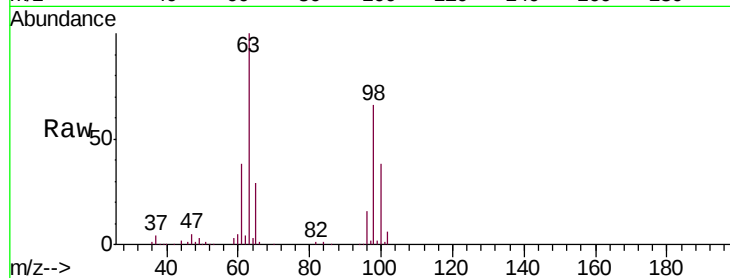
Tgt Ion: 96 Resp: 18248

Ion Ratio Lower Upper

96 100

61 236.3 118.2 219.6#

63 617.6 90.7 168.5#



#17

trans-1,2-Dichloroethene

Concen: 14.836 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033767.D

Acq: 12 Aug 2019 13:05

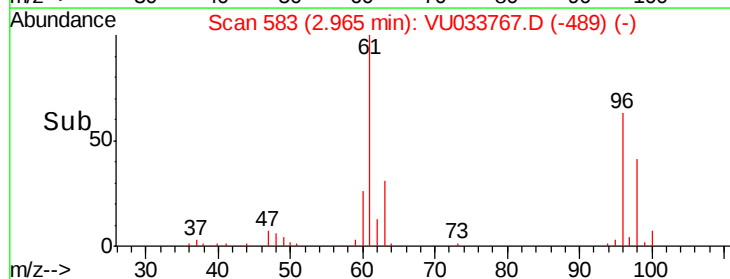
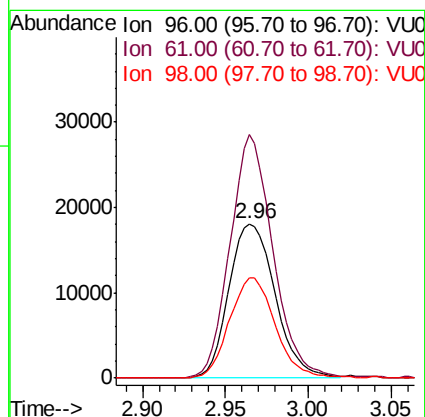
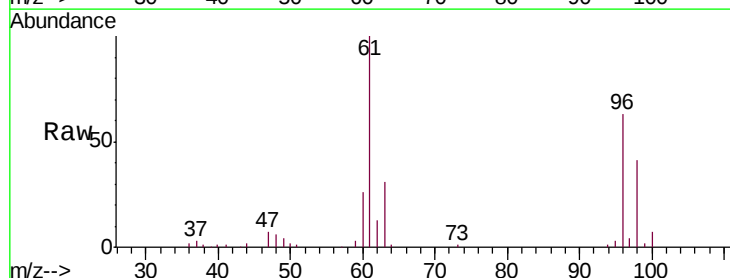
Tgt Ion: 96 Resp: 35127

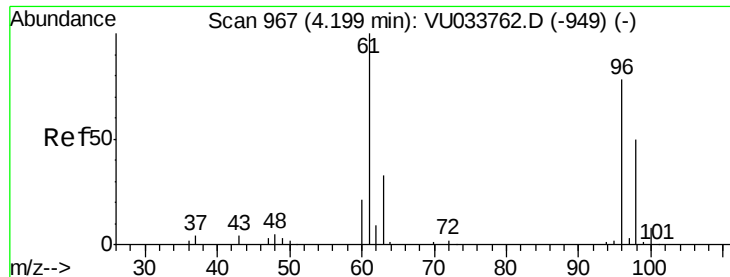
Ion Ratio Lower Upper

96 100

61 157.6 95.6 177.6

98 65.2 44.6 82.8



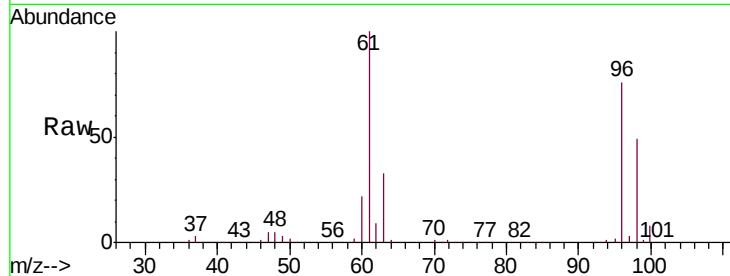


#20

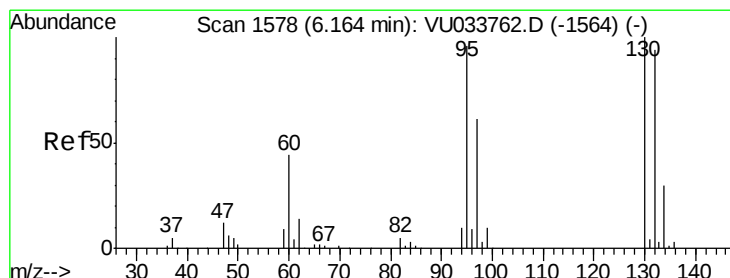
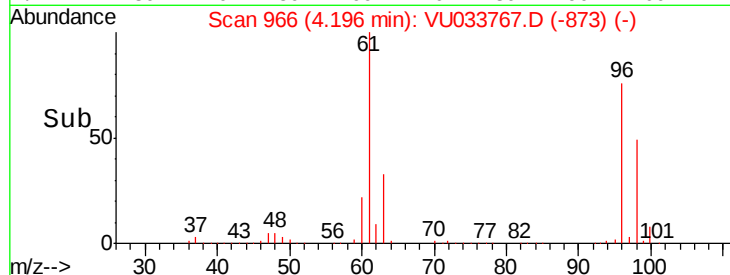
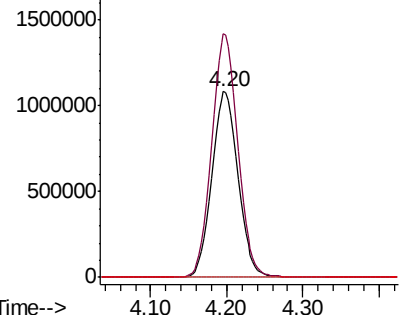
cis-1,2-Dichloroethene
Concen: 963.478 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033767.D
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MSVOA_U
ClientSampleId :
F2B22

Tgt Ion: 96 Resp: 2602064
Ion Ratio Lower Upper
96 100
61 131.1 87.0 161.6
68 0.0 0.0 0.0



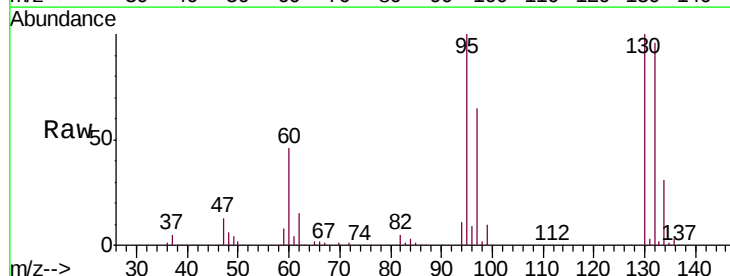
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



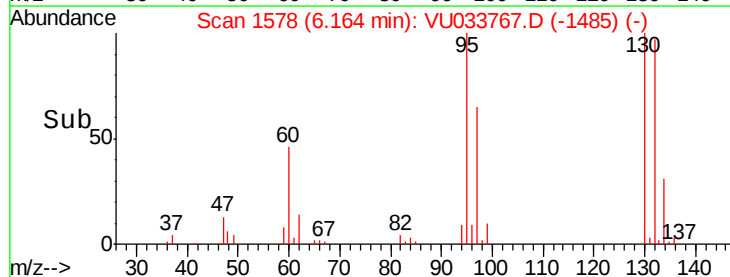
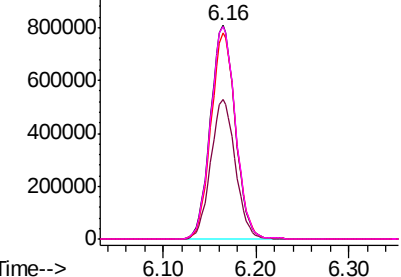
#34

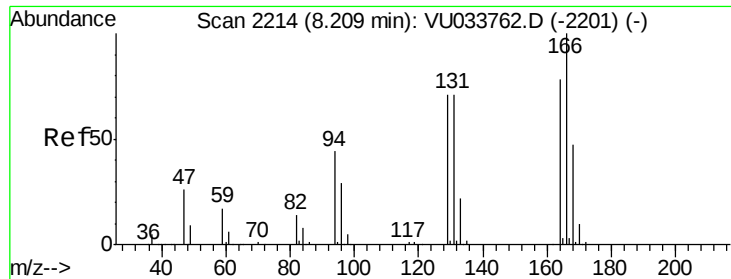
Trichloroethene
Concen: 547.822 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU033767.D
Acq: 12 Aug 2019 13:05

Tgt Ion: 95 Resp: 1504111
Ion Ratio Lower Upper
95 100
97 65.2 45.6 84.8
132 96.2 72.0 133.8
130 99.7 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





#46

Tetrachloroethene

Concen: 866.480 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033767.D

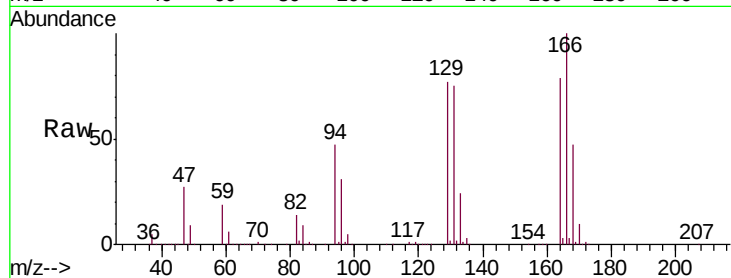
Acq: 12 Aug 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

F2B22



Tgt Ion:164 Resp: 1961095

Ion Ratio Lower Upper

164 100

129 97.7 65.5 121.7

131 95.2 63.6 118.0

166 126.1 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

