

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
 Data File : VU031236.D
 Acq On : 17 Apr 2019 02:29
 Operator : JC/SP
 Sample : K2428-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XF0

Quant Time: Apr 17 04:18:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 17 04:13:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	489425	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	487801	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	197729	50.00	ug/L	0.00

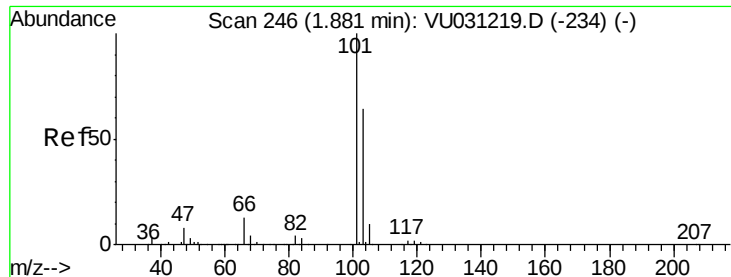
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	175617	38.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.92%
7) Chloroethane-d5	1.68	69	166419	42.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.06%
11) 1,1-Dichloroethene-d2	2.27	63	281975	31.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.16%
21) 2-Butanone-d5	4.18	46	302572	92.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.17%
24) Chloroform-d	4.64	84	318900	42.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.31	65	207435	44.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.58%
32) Benzene-d6	5.34	84	634239	41.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.26%
36) 1,2-Dichloropropane-d6	6.32	67	212743	42.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.02%
41) Toluene-d8	7.56	98	625090	46.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.14%
43) trans-1,3-Dichloropropene-	7.85	79	101101	42.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.52%
47) 2-Hexanone-d5	8.31	63	206415	87.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299750	43.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.28%
64) 1,2-Dichlorobenzene-d4	11.86	152	200921	44.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.62%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	1.88	101	32378	4.343 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2691	0.690 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2676	0.700 ug/L #	1
13) Acetone	2.35	43	1485	0.588 ug/L	82
20) cis-1,2-Dichloroethene	4.22	96	4820	1.188 ug/L	88
34) Trichloroethene	6.18	95	132059	32.169 ug/L	96
46) Tetrachloroethene	8.22	164	67031	21.709 ug/L	94
59) 1,2,3-Trichloropropane	11.48	75	22610	4.375 ug/L	91

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



#9

Trichlorofluoromethane

Concen: 4.343 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031236.D

Acq: 17 Apr 2019 02:29

Instrument :

MSVOA_U

ClientSampled :

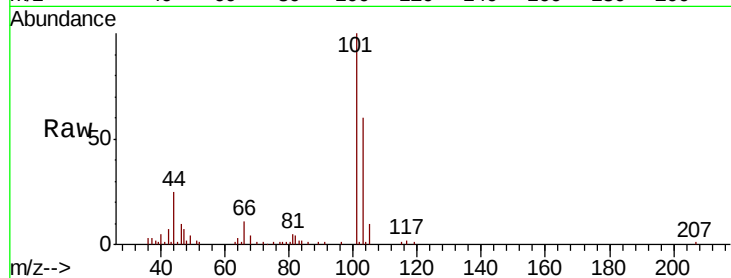
C0XF0

Tgt Ion:101 Resp: 32378

Ion Ratio Lower Upper

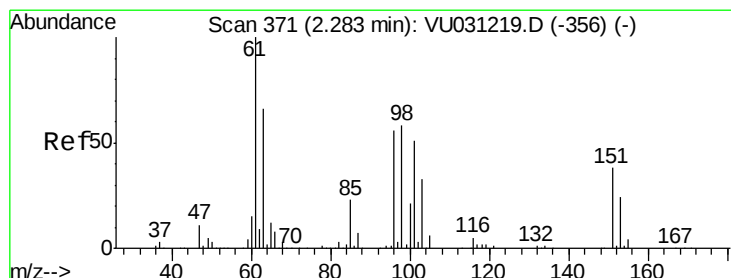
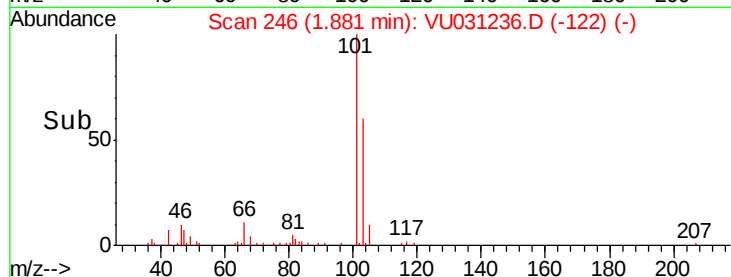
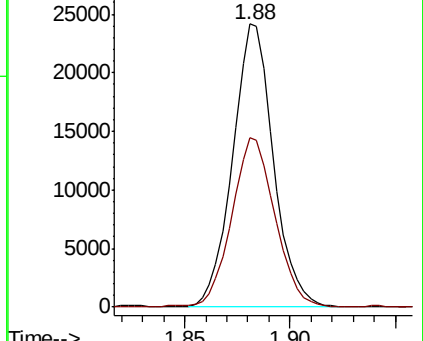
101 100

103 63.3 53.0 79.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.690 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031236.D

Acq: 17 Apr 2019 02:29

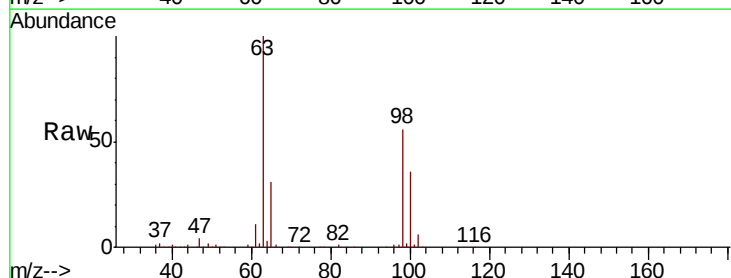
Tgt Ion:101 Resp: 2691

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.0#

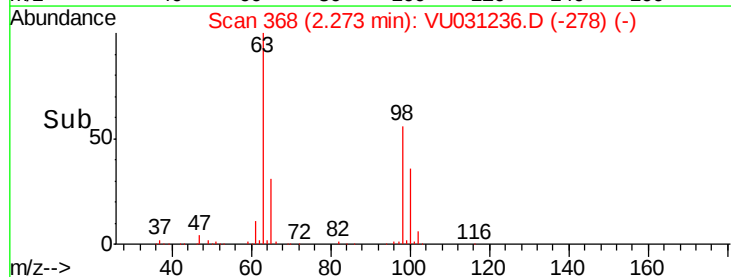
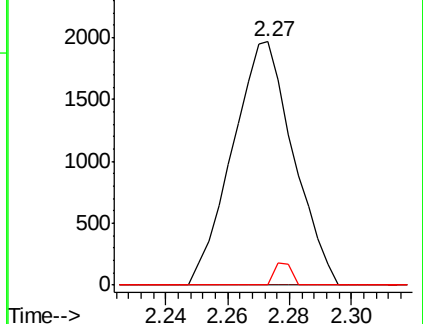
151 2.5 59.8 89.8#

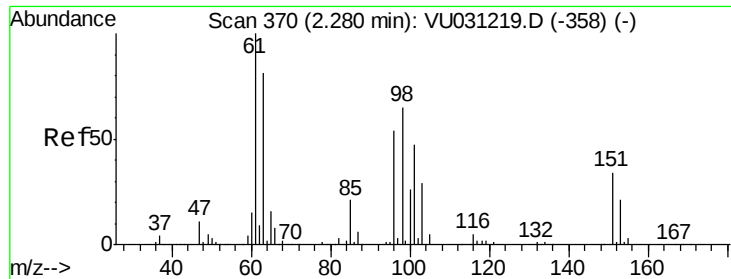


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.700 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031236.D

Acq: 17 Apr 2019 02:29

Instrument :

MSVOA_U

ClientSampleId :

C0XF0

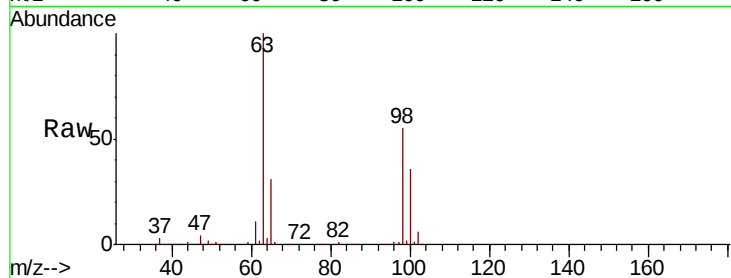
Tgt Ion: 96 Resp: 2676

Ion Ratio Lower Upper

96 100

61 1143.4 130.4 242.2#

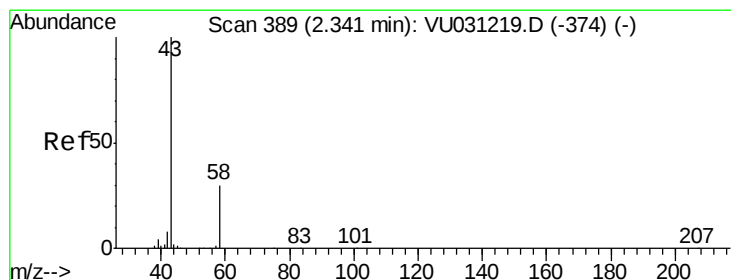
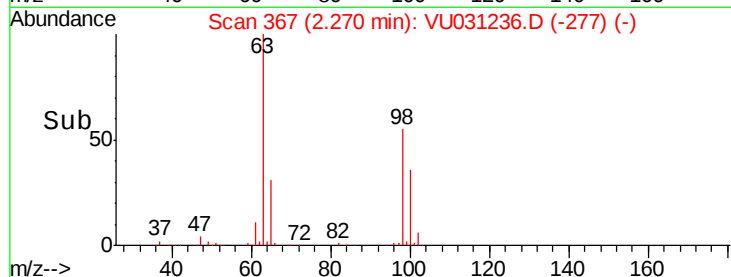
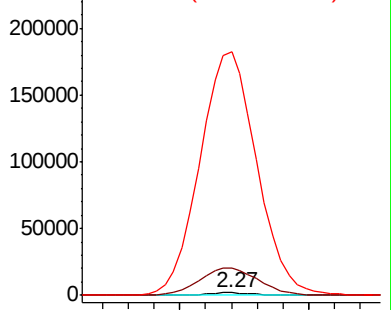
63 10000.0 108.9 202.3#



Abundance Ion 96.00 (95.70 to 96.70): VU031236.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU031236.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU031236.D (-277) (-)



#13

Acetone

Concen: 0.588 ug/L

RT: 2.35 min Scan# 392

Delta R.T. 0.01 min

Lab File: VU031236.D

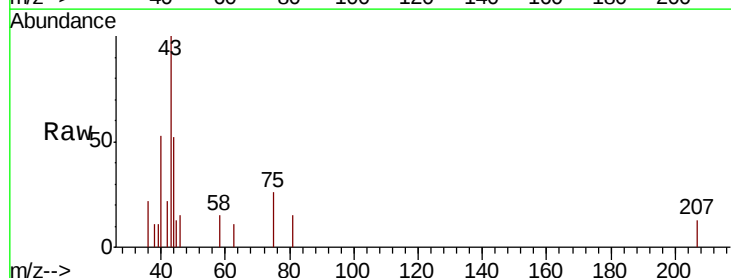
Acq: 17 Apr 2019 02:29

Tgt Ion: 43 Resp: 1485

Ion Ratio Lower Upper

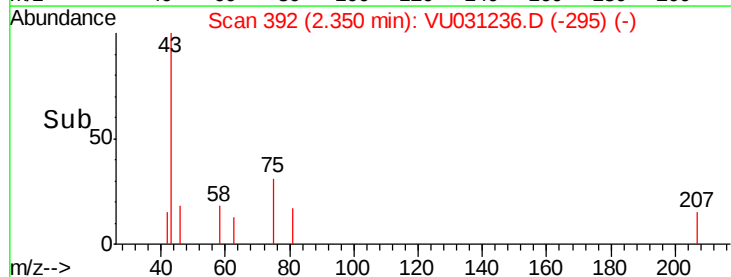
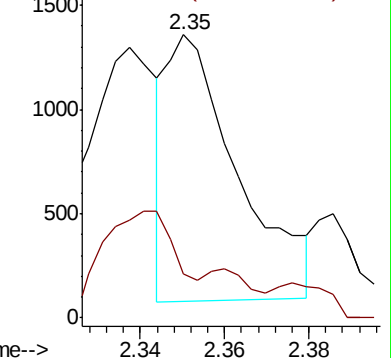
43 100

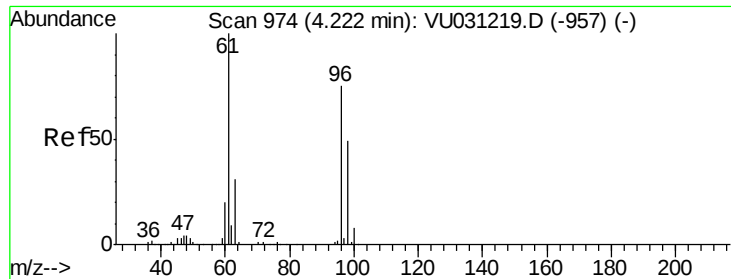
58 42.7 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU031236.D (-295) (-)

Ion 58.00 (57.70 to 58.70): VU031236.D (-295) (-)

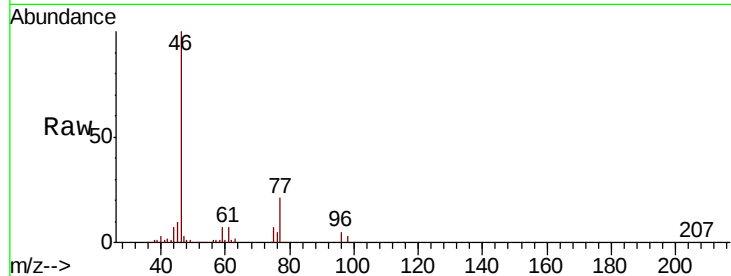




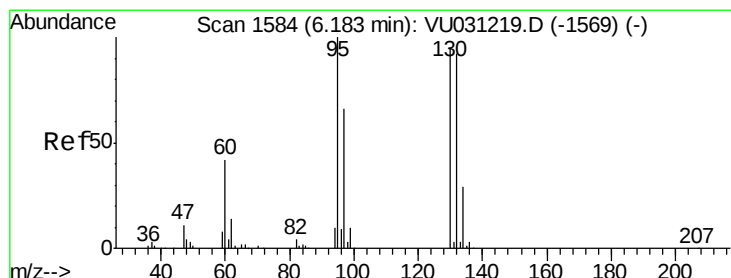
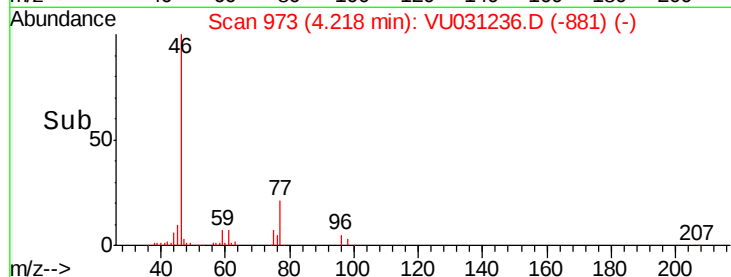
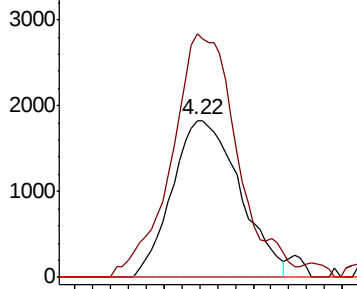
#20
 cis-1,2-Dichloroethene
 Concen: 1.188 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031236.D
 Acq: 17 Apr 2019 02:29

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XF0

Tgt Ion: 96 Resp: 4820
 Ion Ratio Lower Upper
 96 100
 61 155.3 98.2 182.4
 68 0.0 0.0 0.0

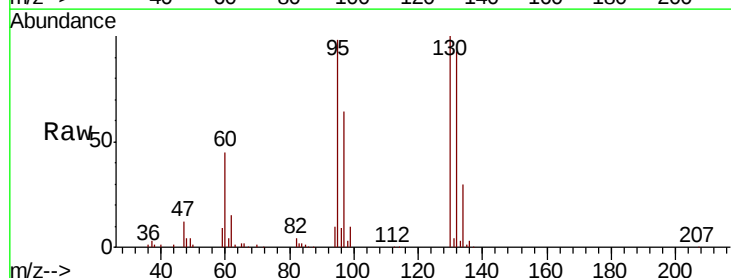


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

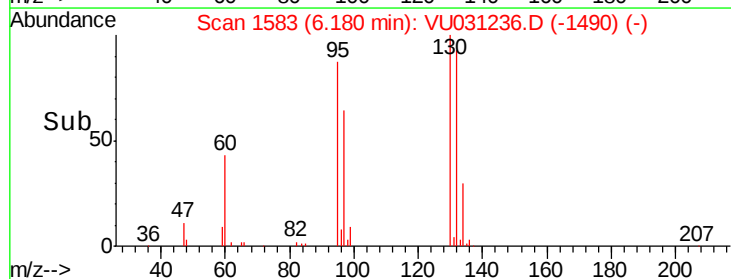
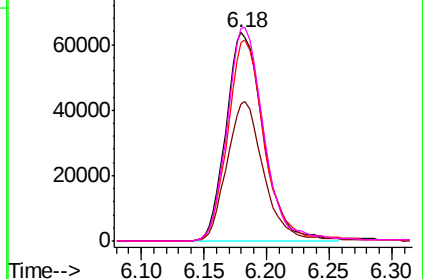


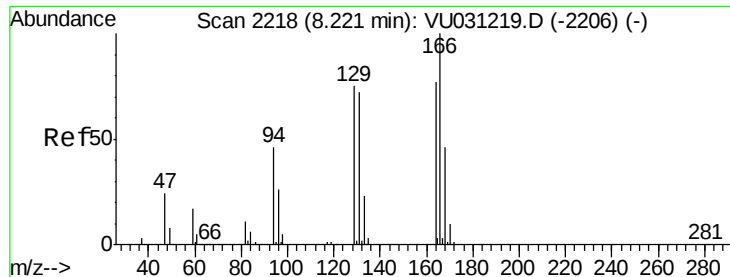
#34
 Trichloroethene
 Concen: 32.169 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU031236.D
 Acq: 17 Apr 2019 02:29

Tgt Ion: 95 Resp: 132059
 Ion Ratio Lower Upper
 95 100
 97 65.8 43.6 81.0
 132 95.0 64.5 119.7
 130 102.4 68.0 126.2



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: 21.709 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU031236.D

Acq: 17 Apr 2019 02:29

Instrument :

MSVOA_U

ClientSampleId :

C0XF0

Tgt Ion:164 Resp: 67031

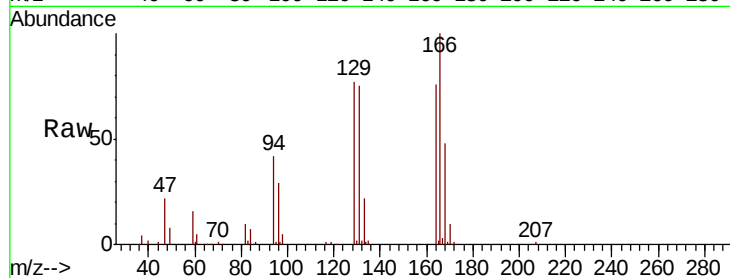
Ion Ratio Lower Upper

164 100

129 101.1 66.5 123.5

131 99.3 62.3 115.7

166 131.7 90.6 168.3

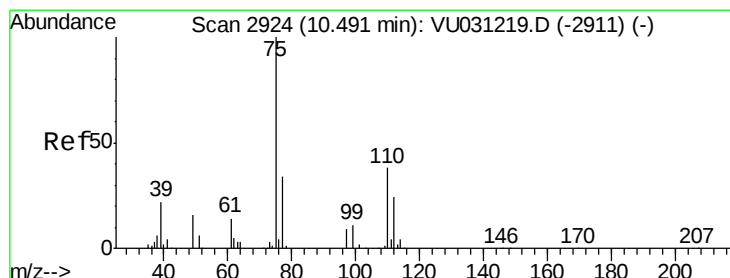
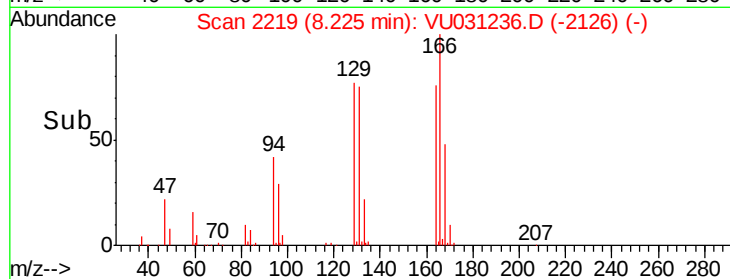
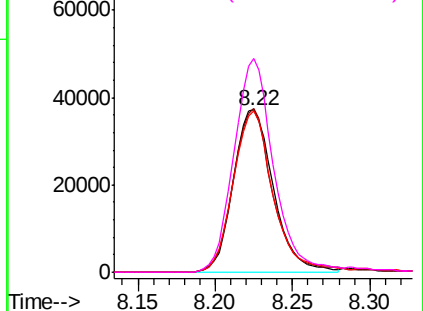


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 4.375 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031236.D

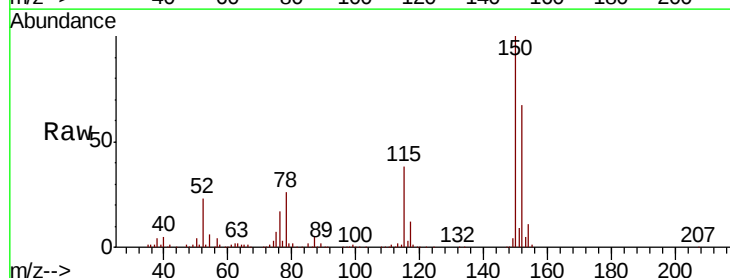
Acq: 17 Apr 2019 02:29

Tgt Ion: 75 Resp: 22610

Ion Ratio Lower Upper

75 100

77 37.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

