

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051419\
 Data File : VU032010.D
 Acq On : 14 May 2019 21:22
 Operator : JC/SP
 Sample : K2738-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB897

Quant Time: May 15 05:49:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 15 04:26:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1070553	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1057010	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	410341	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	393017	41.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.68%
7) Chloroethane-d5	1.68	69	342118	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.96%
11) 1,1-Dichloroethene-d2	2.27	63	561122	33.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.64%
21) 2-Butanone-d5	4.17	46	610312	92.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.78%
24) Chloroform-d	4.64	84	705826	44.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.78%
26) 1,2-Dichloroethane-d4	5.31	65	455955	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
32) Benzene-d6	5.34	84	1479010	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.66%
36) 1,2-Dichloropropane-d6	6.32	67	492856	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.62%
41) Toluene-d8	7.56	98	1280594	46.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.42%
43) trans-1,3-Dichloropropene-	7.85	79	201532	45.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.48%
47) 2-Hexanone-d5	8.31	63	403531	98.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	671471	44.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.86%
64) 1,2-Dichlorobenzene-d4	11.85	152	427644	49.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.06%

Target Compounds

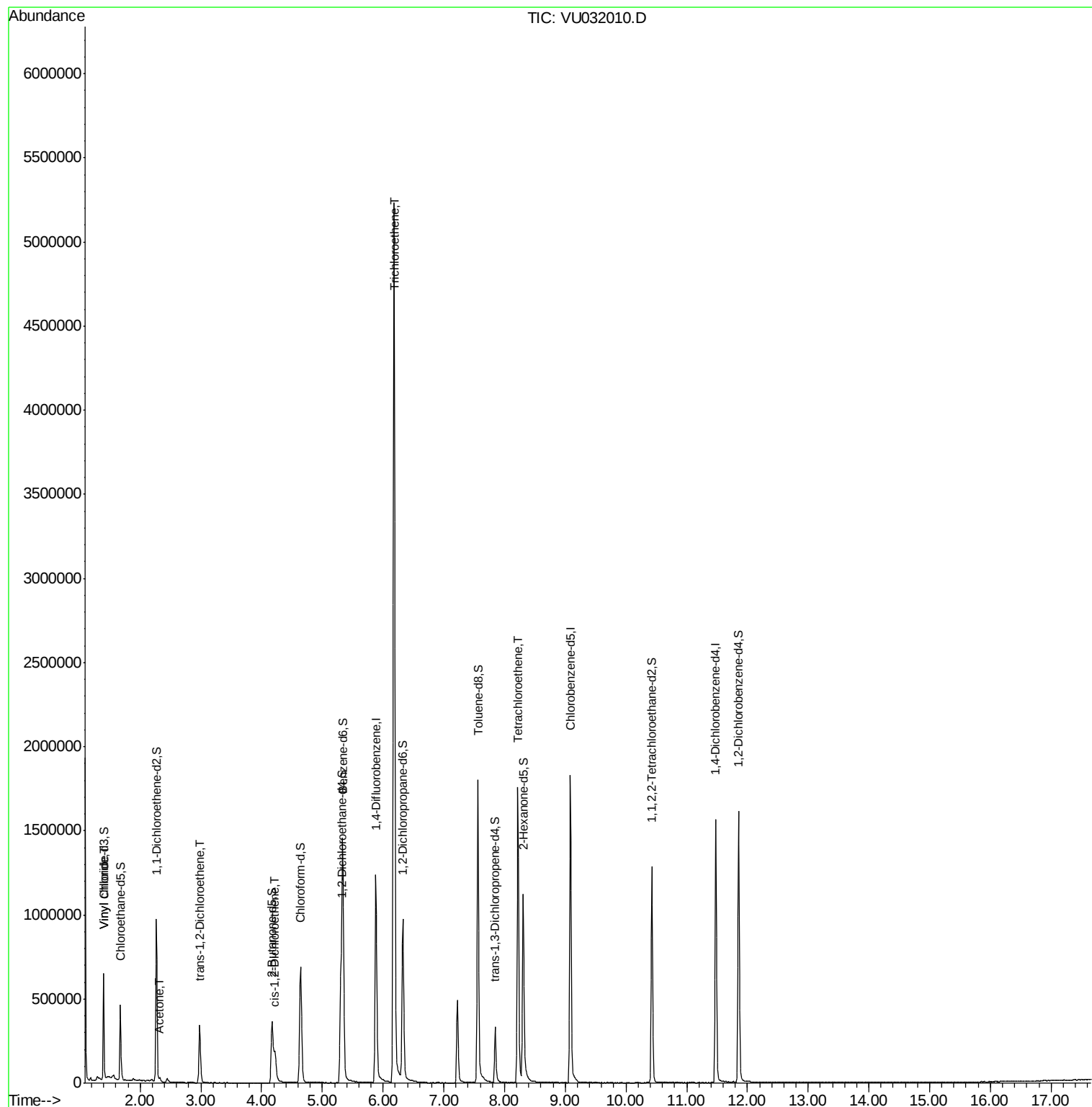
					Ovalue
5) Vinyl chloride	1.40	62	21071	1.827	ug/L # 18
13) Acetone	2.32	43	20292	3.001	ug/L 96
17) trans-1,2-Dichloroethene	2.98	96	132880	16.156	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	85147	9.359	ug/L 95
34) Trichloroethene	6.18	95	1947813	227.163	ug/L 99
46) Tetrachloroethene	8.22	164	406854	67.206	ug/L 97

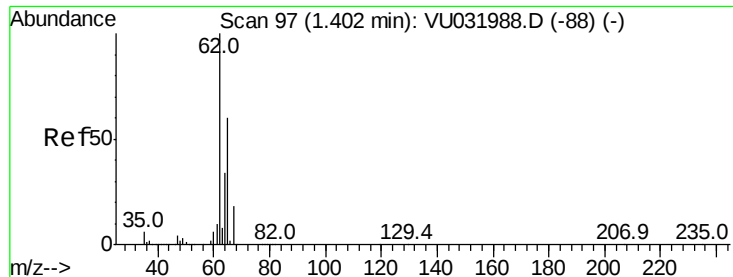
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.827 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU032010.D

Acq: 14 May 2019 21:22

Instrument :

MSVOA_U

ClientSampleId :

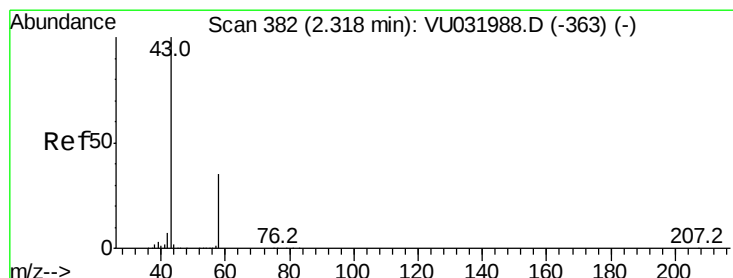
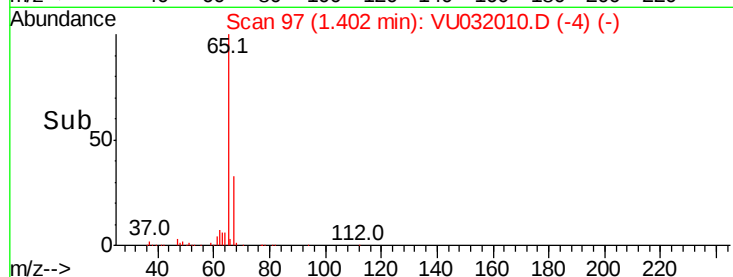
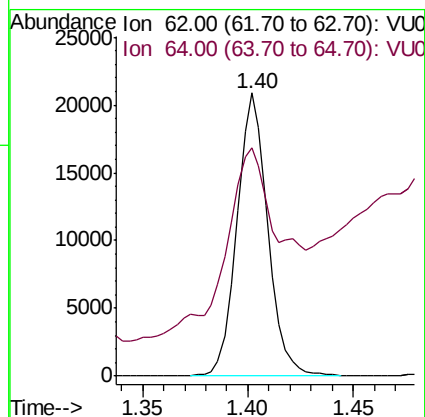
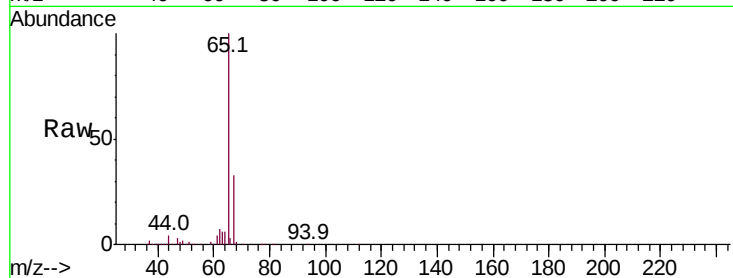
DB897

Tot Ion: 62 Resp: 21071

Ion Ratio Lower Upper

62 100

64 80.5 23.6 43.8#



#13

Acetone

Concen: 3.001 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032010.D

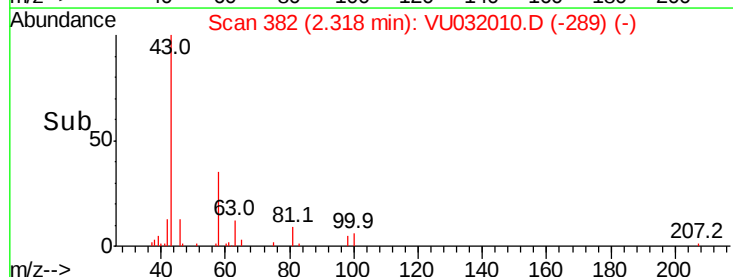
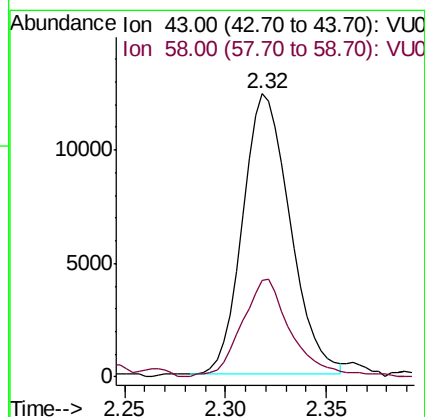
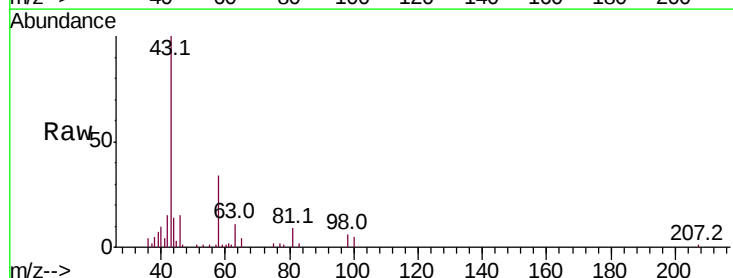
Acq: 14 May 2019 21:22

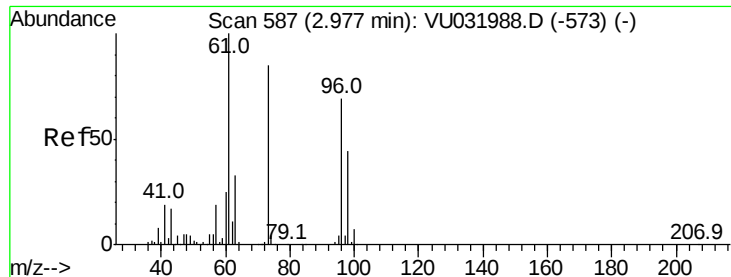
Tgt Ion: 43 Resp: 20292

Ion Ratio Lower Upper

43 100

58 36.3 0.0 68.2





#17

trans-1,2-Dichloroethene

Concen: 16.156 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU032010.D

Acq: 14 May 2019 21:22

Instrument :

MSVOA_U

ClientSampled :

DB897

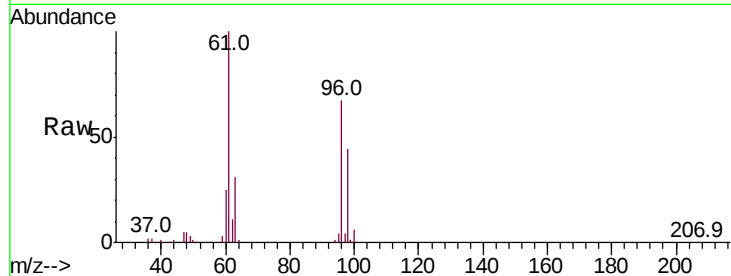
Tot Ion: 96 Resp: 132880

Ion Ratio Lower Upper

96 100

61 150.2 103.2 191.6

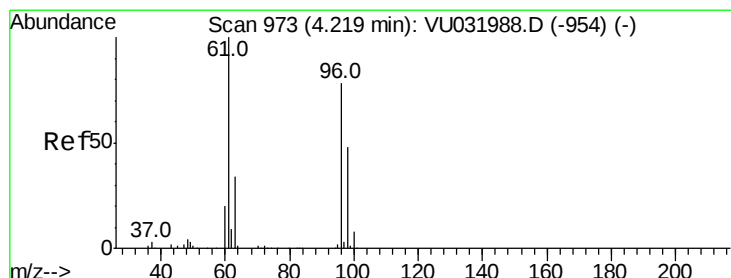
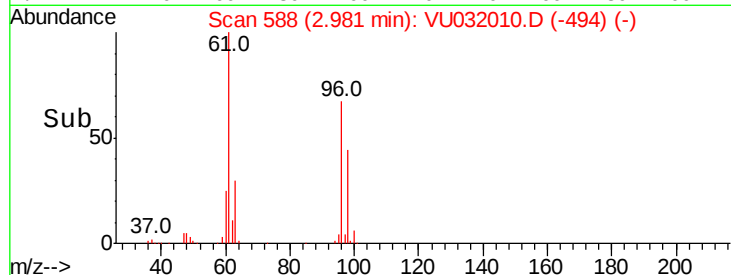
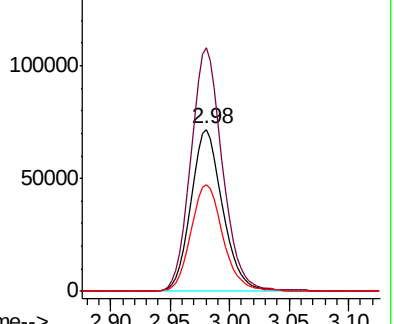
98 65.7 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VU031988.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU031988.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU031988.D (-573) (-)



#20

cis-1,2-Dichloroethene

Concen: 9.359 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032010.D

Acq: 14 May 2019 21:22

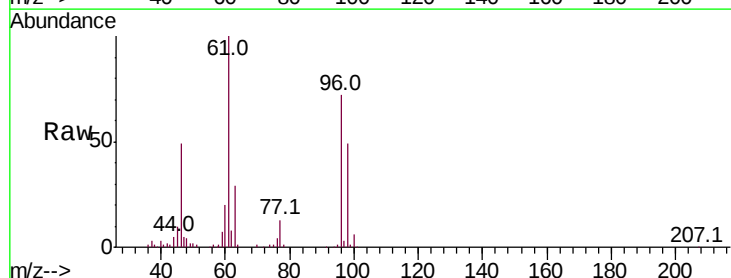
Tgt Ion: 96 Resp: 85147

Ion Ratio Lower Upper

96 100

61 138.6 93.0 172.8

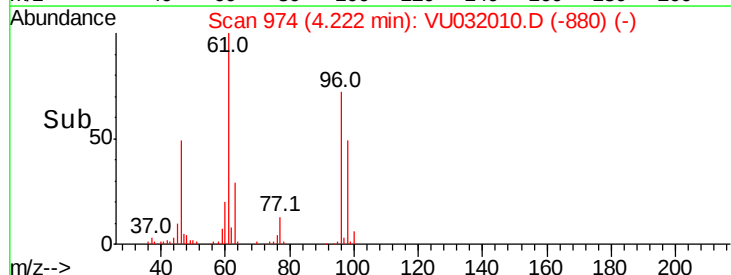
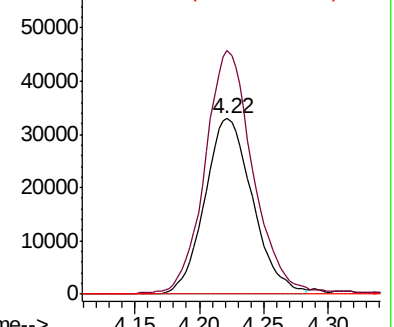
68 0.0 0.0 0.0

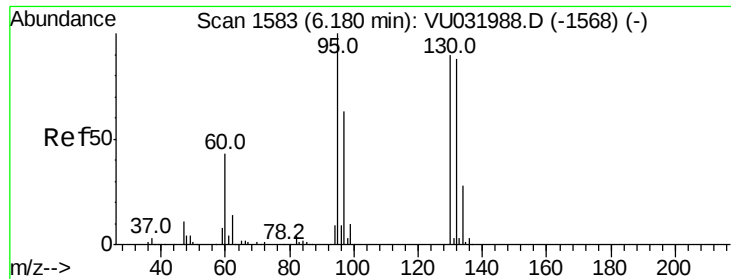


Abundance Ion 96.00 (95.70 to 96.70): VU031988.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU031988.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU031988.D (-954) (-)



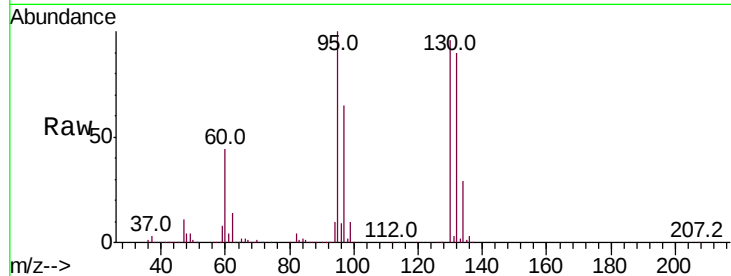


#34
 Trichloroethene
 Concen: 227.163 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU032010.D
 Acq: 14 May 2019 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 DB897

Tot Ion: 95 Resp: 1947813

Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.9	83.3
132	89.9	63.5	117.9
130	95.5	66.2	123.0



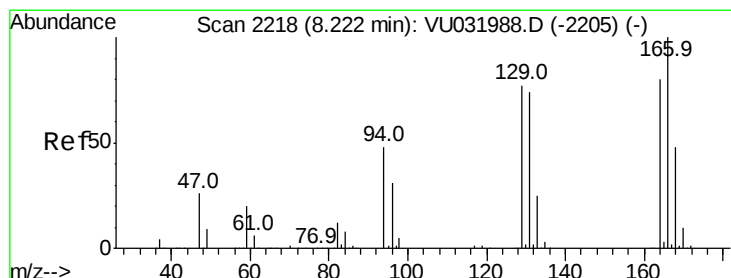
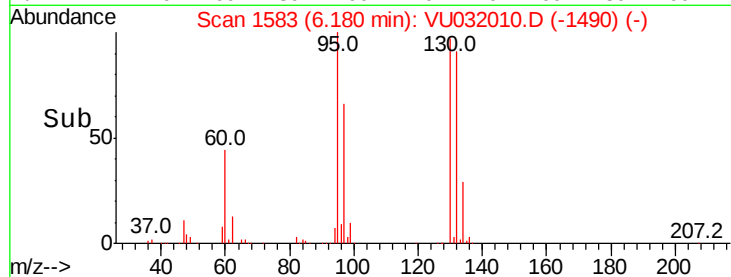
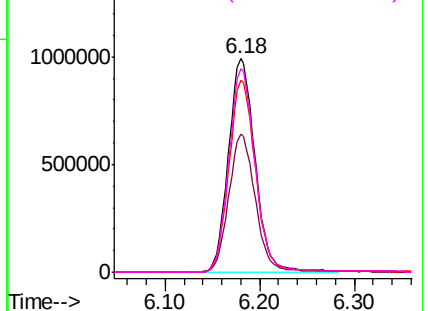
Abundance

Ion 95.00 (94.70 to 95.70): VU031988.D (-1568) (-)

Ion 97.00 (96.70 to 97.70): VU031988.D (-1568) (-)

Ion 132.00 (131.70 to 132.70): VU031988.D (-1568) (-)

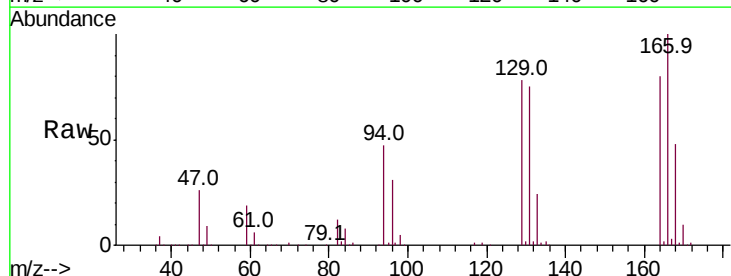
Ion 130.00 (129.70 to 130.70): VU031988.D (-1568) (-)



#46
 Tetrachloroethene
 Concen: 67.206 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032010.D
 Acq: 14 May 2019 21:22

Tgt Ion: 164 Resp: 406854

Ion	Ratio	Lower	Upper
164	100		
129	98.3	70.9	131.7
131	94.0	67.4	125.2
166	125.7	90.2	167.4



Abundance

Ion 164.00 (163.70 to 164.70): VU031988.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU031988.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU031988.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU031988.D (-2205) (-)

