

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051719\
 Data File : VU032130.D
 Acq On : 18 May 2019 04:11
 Operator : JC/SP
 Sample : K2860-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W32

Quant Time: May 18 06:27:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 18 05:45:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	354108	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	356843	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	142802	5.00	ug/L	0.00

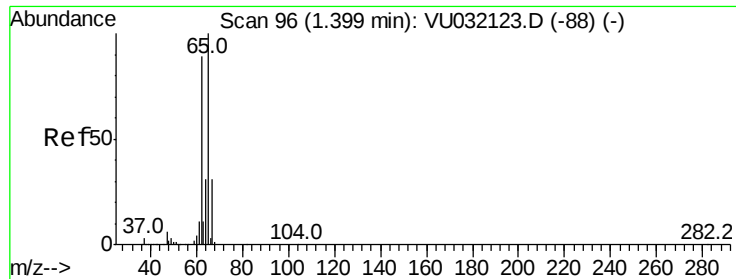
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	109720	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.68	69	97795	3.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.80%
11) 1,1-Dichloroethene-d2	2.27	63	161422	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.20	46	235150	40.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.32%
24) Chloroform-d	4.64	84	219609	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.31	65	110318	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
32) Benzene-d6	5.33	84	441759	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
36) 1,2-Dichloropropane-d6	6.33	67	130321	4.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.00%
41) Toluene-d8	7.56	98	368147	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
43) trans-1,3-Dichloropropene-	7.85	79	41933	3.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.20%
46) 2-Hexanone-d5	8.31	63	193692	37.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	109354	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	138605	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	10812	0.605 ug/L #	76
12) 1,1-Dichloroethene	2.28	96	7941	0.558 ug/L #	1
13) Acetone	2.34	43	116823	60.766 ug/L	96
17) Methyl tert-butyl Ether	3.01	73	11747	0.351 ug/L #	83
18) trans-1,2-Dichloroethene	2.97	96	30901	2.030 ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	195280	13.041 ug/L	89
33) Benzene	5.38	78	14197	0.259 ug/L	100
34) Trichloroethene	6.18	95	369379	24.852 ug/L	97
47) Tetrachloroethene	8.23	164	7535	0.678 ug/L	84

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



#5

Vinyl chloride

Concen: 0.605 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032130.D

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ClientSampleId :

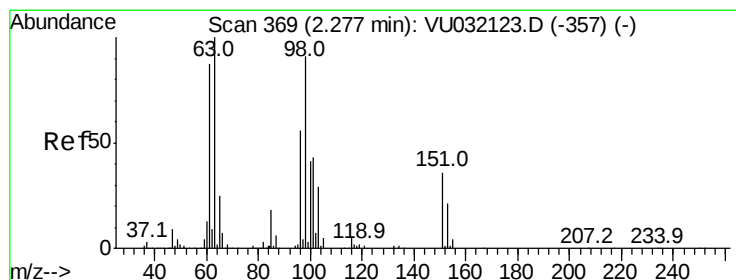
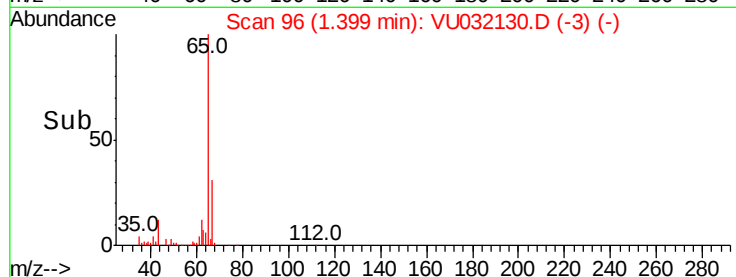
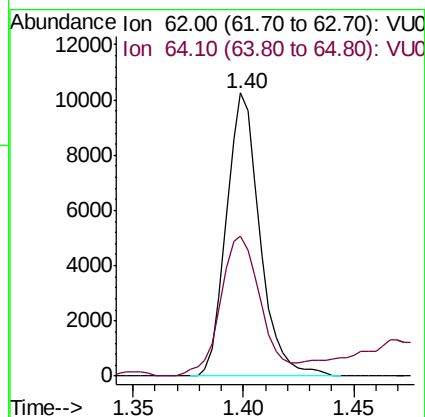
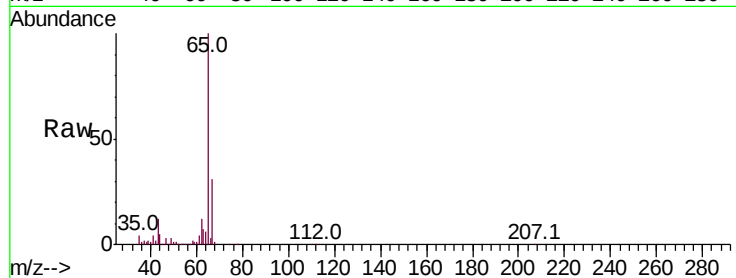
F9W32

Tot Ion: 62 Resp: 10812

Ion Ratio Lower Upper

62 100

64 49.5 24.8 46.1#



#12

1,1-Dichloroethene

Concen: 0.558 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

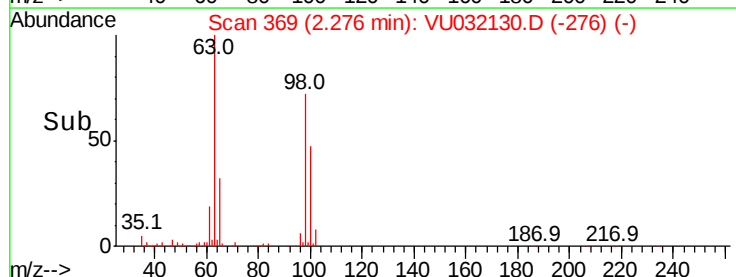
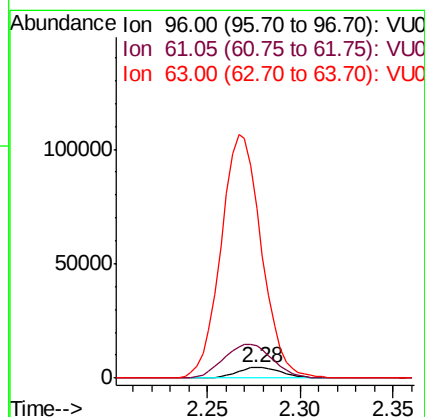
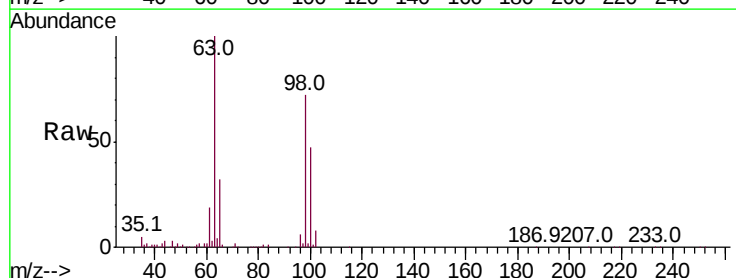
Tgt Ion: 96 Resp: 7941

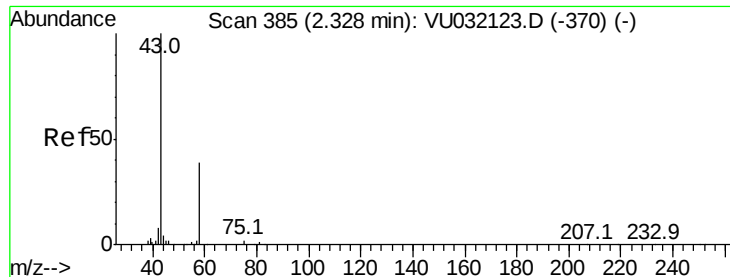
Ion Ratio Lower Upper

96 100

61 310.1 111.7 207.5#

63 1601.0 152.2 282.6#





#13

Acetone

Concen: 60.766 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.01 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

Instrument :

MSVOA_U

ClientSampleId :

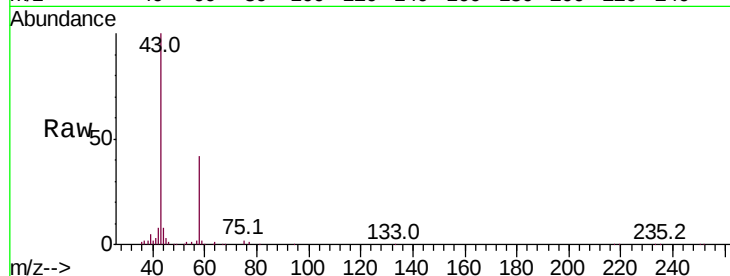
F9W32

Tot Ion: 43 Resp: 116823

Ion Ratio Lower Upper

43 100

58 37.0 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032130.D (-370) (-)

Ion 58.05 (57.75 to 58.75): VU032130.D (-370) (-)

2.34

50000

40000

30000

20000

10000

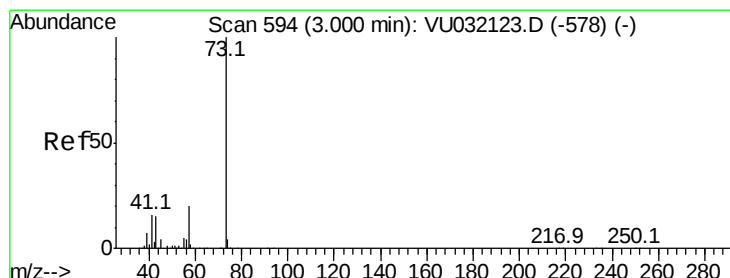
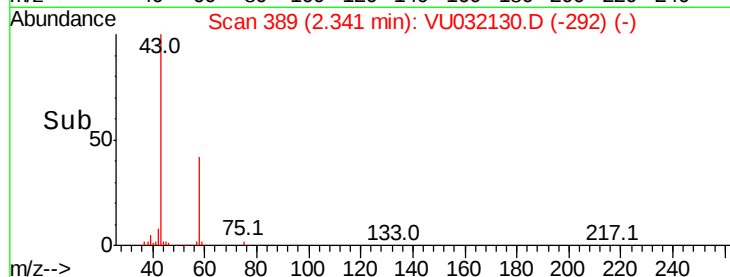
0

Time-->

2.20

2.30

2.40



#17

Methyl tert-butyl Ether

Concen: 0.351 ug/L

RT: 3.01 min Scan# 597

Delta R.T. 0.01 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

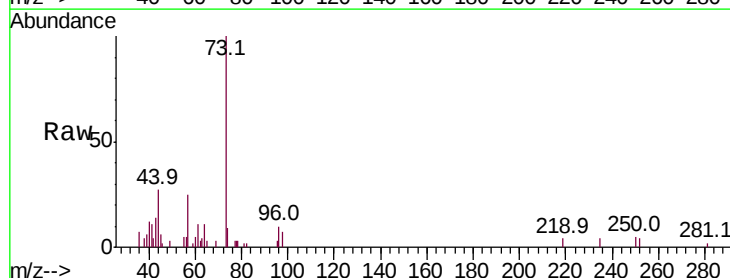
Tgt Ion: 73 Resp: 11747

Ion Ratio Lower Upper

73 100

43 24.1 13.0 19.6#

57 29.8 17.9 26.9#



Abundance Ion 73.10 (72.80 to 73.80): VU032130.D (-501) (-)

Ion 43.05 (42.75 to 43.75): VU032130.D (-501) (-)

Ion 57.10 (56.80 to 57.80): VU032130.D (-501) (-)

3.01

6000

4000

2000

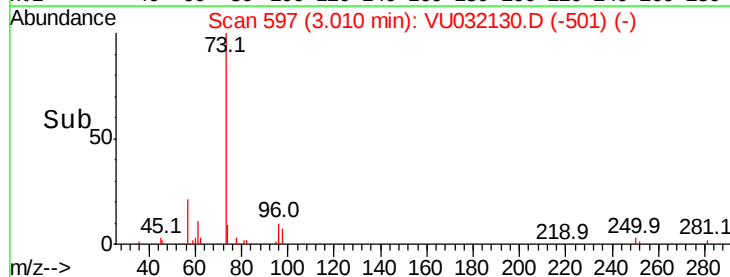
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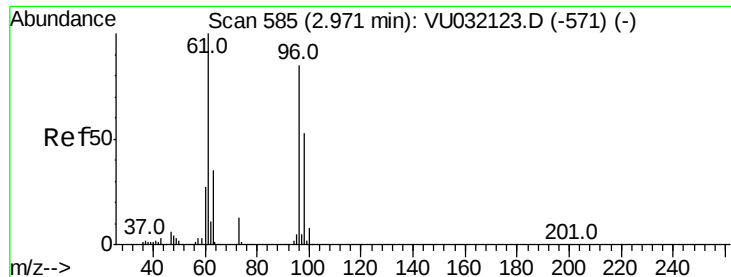
Time-->

2.95

3.00

3.05





#18

trans-1,2-Dichloroethene

Concen: 2.030 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

Instrument :

MSVOA_U

ClientSampled :

F9W32

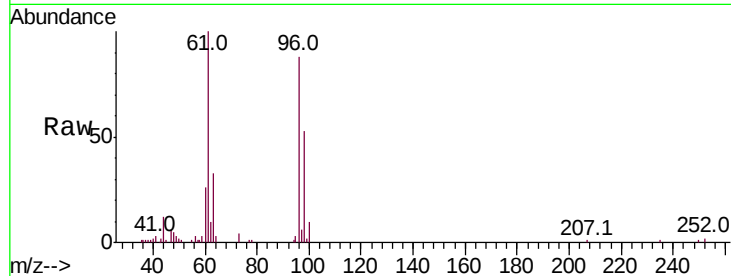
Tot Ion: 96 Resp: 30901

Ion Ratio Lower Upper

96 100

61 113.7 86.5 160.7

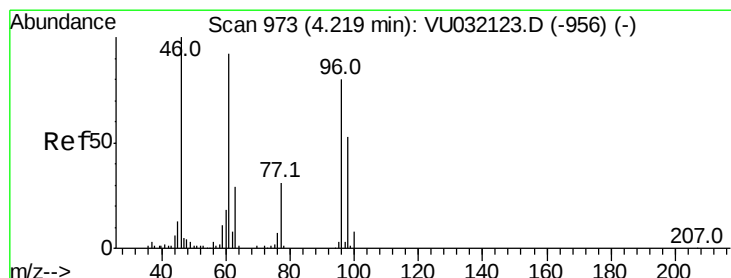
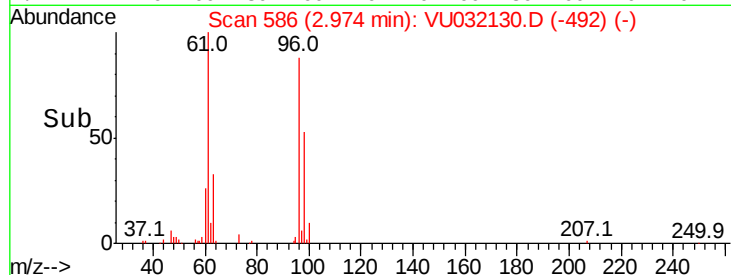
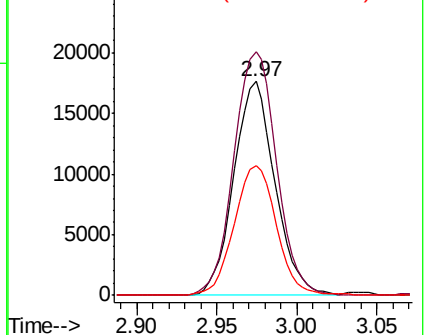
98 60.7 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 13.041 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

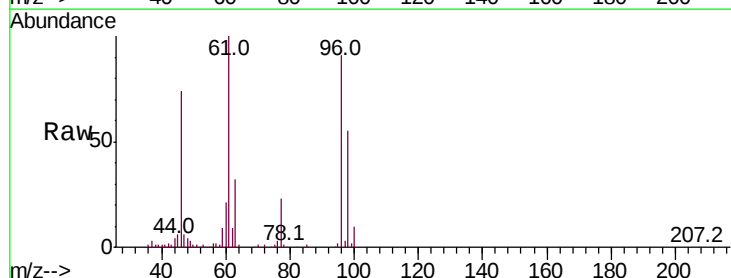
Tgt Ion: 96 Resp: 195280

Ion Ratio Lower Upper

96 100

61 110.0 85.8 159.4

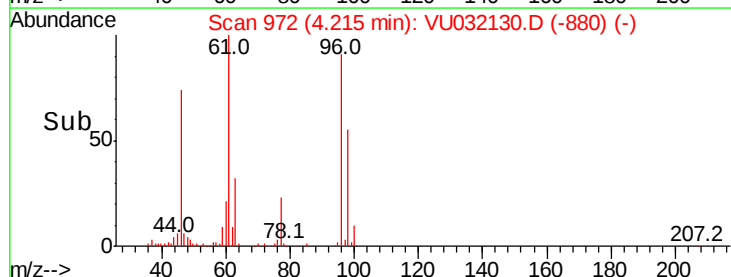
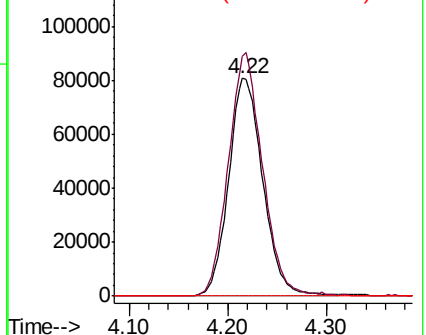
68 0.0 0.0 0.0

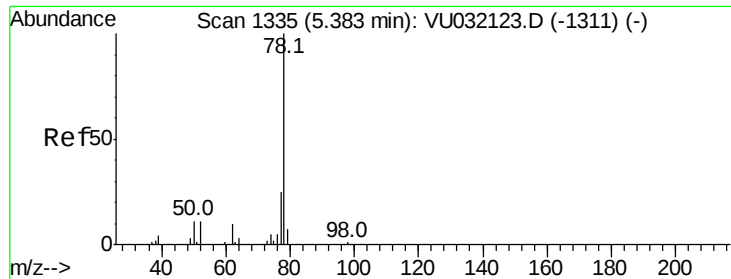


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#33

Benzene

Concen: 0.259 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

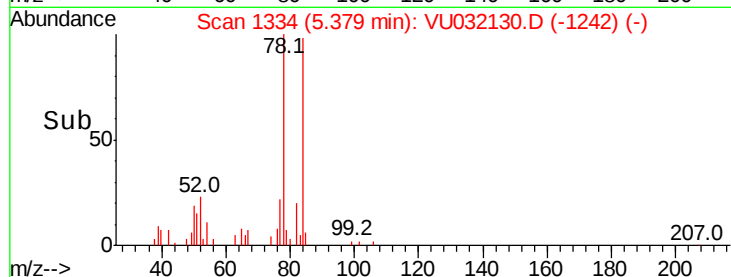
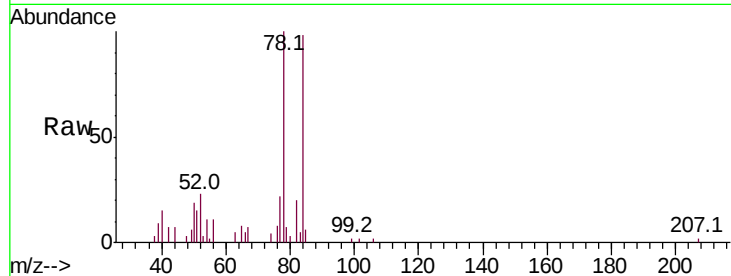
Instrument :

MSVOA_U

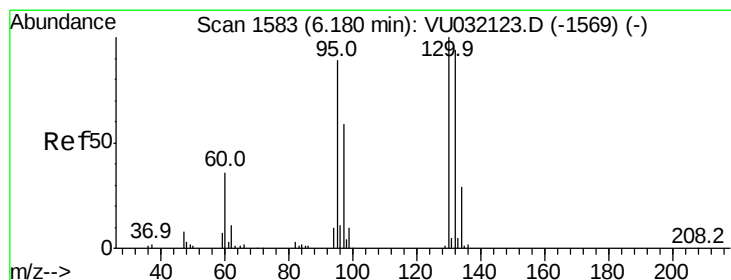
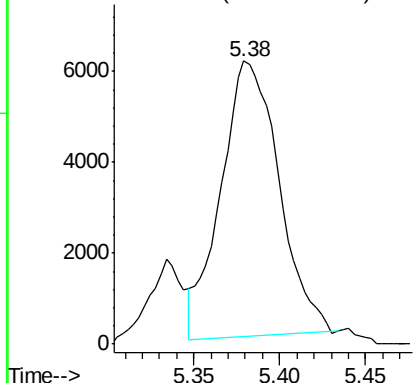
ClientSampleId :

F9W32

Tgt Ion: 78 Resp: 14197



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 24.852 ug/L

RT: 6.18 min Scan# 1583

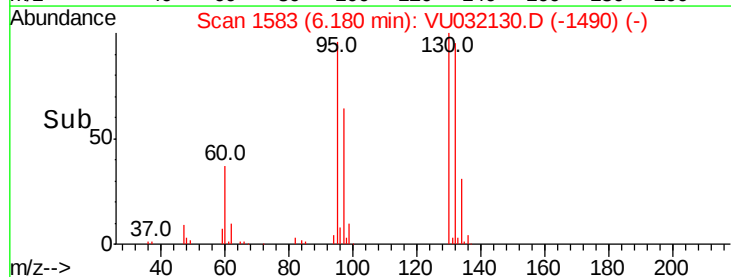
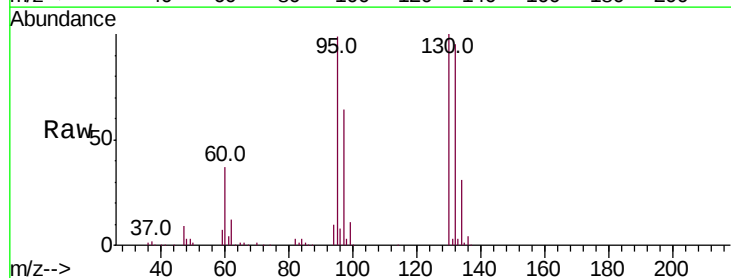
Delta R.T. -0.00 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

Tgt Ion: 95 Resp: 369379

Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.2	84.0
132	96.7	66.1	122.7
130	101.3	66.7	123.9

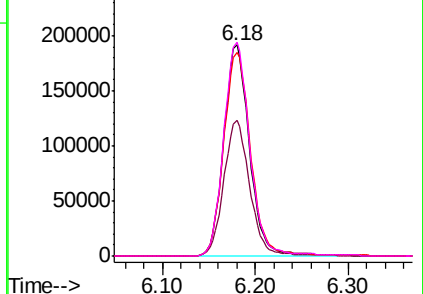


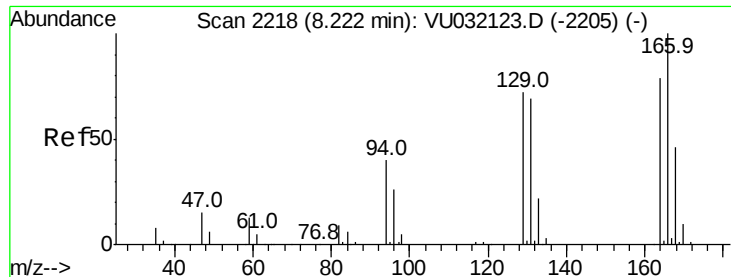
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#47

Tetrachloroethene

Concen: 0.678 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU032130.D

Acq: 18 May 2019 04:11

Instrument :

MSVOA_U

ClientSampleId :

F9W32

Tot Ion:164 Resp: 7535

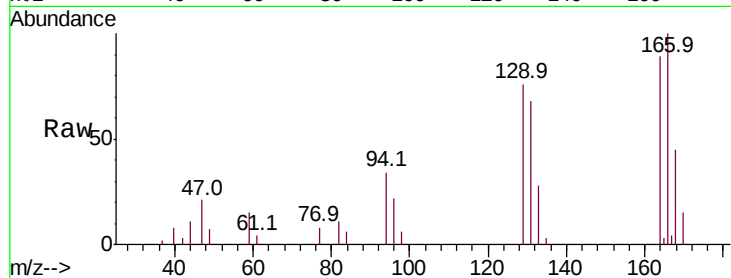
Ion Ratio Lower Upper

164 100

129 84.6 70.3 130.5

131 76.4 64.5 119.9

166 111.9 92.3 171.5



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

