

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051719\
 Data File : VU032129.D
 Acq On : 18 May 2019 03:46
 Operator : JC/SP
 Sample : K2860-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W31

Quant Time: May 18 06:25:17 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	350607	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	364442	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	140679	5.00	ug/L	0.00

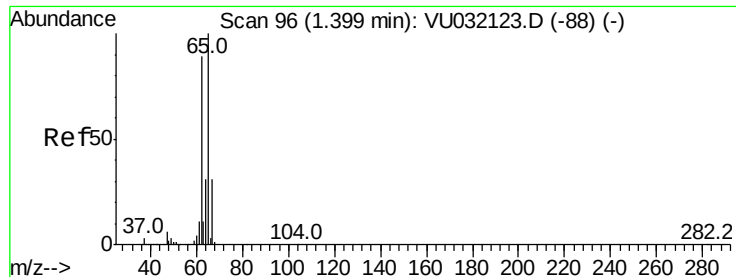
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	107342	3.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.60%
7) Chloroethane-d5	1.68	69	94096	3.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.60%
11) 1,1-Dichloroethene-d2	2.27	63	157325	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.20	46	265629	45.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.62%
24) Chloroform-d	4.64	84	218688	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.31	65	113140	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
32) Benzene-d6	5.33	84	436435	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
36) 1,2-Dichloropropane-d6	6.32	67	127798	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.60%
41) Toluene-d8	7.56	98	361215	3.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.80%
43) trans-1,3-Dichloropropene-	7.85	79	44143	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	8.31	63	229945	43.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118010	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	140782	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	11175	0.632	ug/L	84
12) 1,1-Dichloroethene	2.28	96	8108	0.576	ug/L #	1
13) Acetone	2.34	43	119901	62.990	ug/L	99
17) Methyl tert-butyl Ether	3.00	73	11498	0.347	ug/L #	85
18) trans-1,2-Dichloroethene	2.97	96	30398	2.017	ug/L	92
22) cis-1,2-Dichloroethene	4.22	96	193320	13.039	ug/L	87
33) Benzene	5.39	78	14145	0.253	ug/L	100
34) Trichloroethene	6.18	95	363910	23.974	ug/L	94
47) Tetrachloroethene	8.22	164	6626	0.584	ug/L	86

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



#5

Vinyl chloride

Concen: 0.632 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032129.D

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Instrument :

MSVOA_U

ClientSampleId :

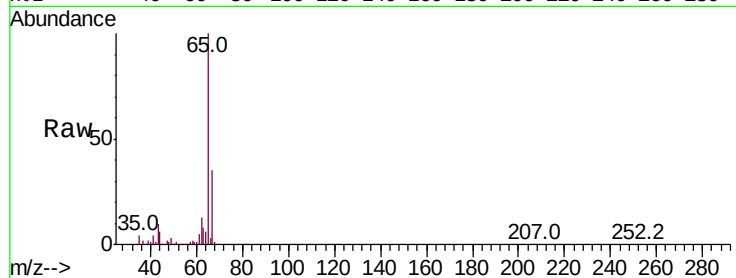
F9W31

Tot Ion: 62 Resp: 11175

Ion Ratio Lower Upper

62 100

64 45.1 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU032129.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032129.D (-88) (-)

12000

10000

8000

6000

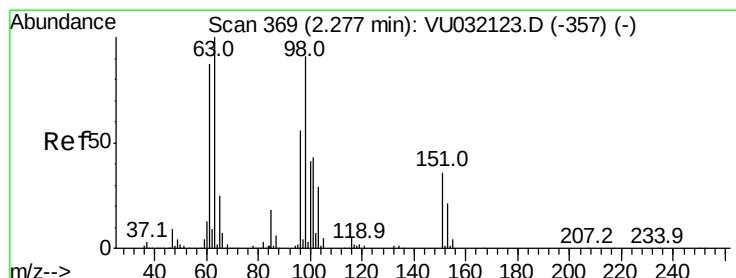
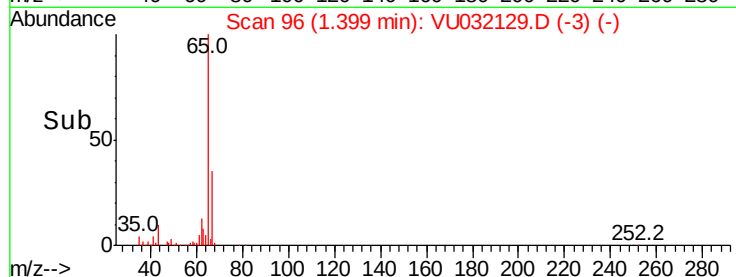
4000

2000

0

1.35 1.40 1.45

Time-->



#12

1,1-Dichloroethene

Concen: 0.576 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

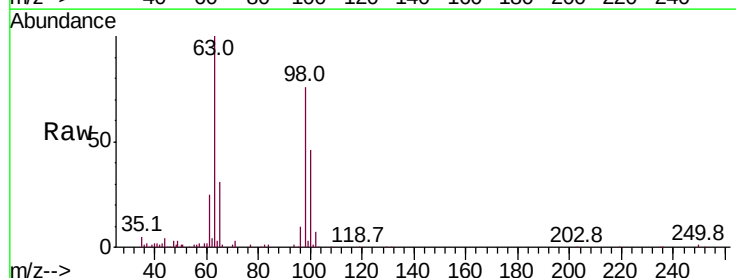
Tgt Ion: 96 Resp: 8108

Ion Ratio Lower Upper

96 100

61 257.3 111.7 207.5#

63 1046.3 152.2 282.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032129.D (-357) (-)

Ion 61.05 (60.75 to 61.75): VU032129.D (-357) (-)

Ion 63.00 (62.70 to 63.70): VU032129.D (-357) (-)

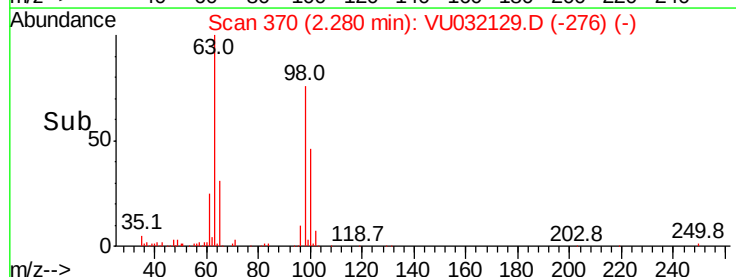
100000

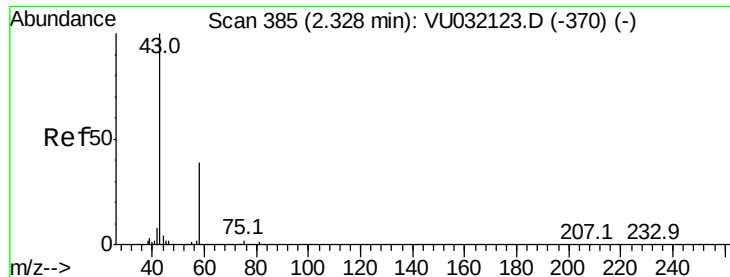
50000

0

2.25 2.28 2.30

Time-->





#13

Acetone

Concen: 62.990 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.01 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

Instrument :

MSVOA_U

ClientSampleId :

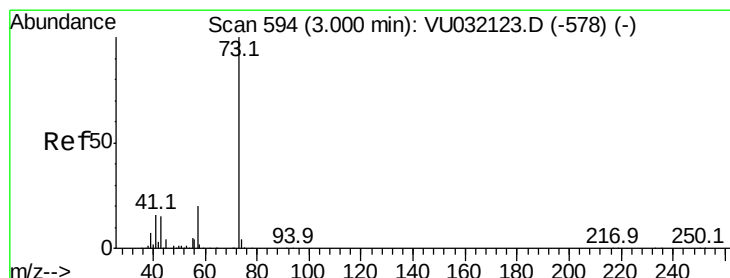
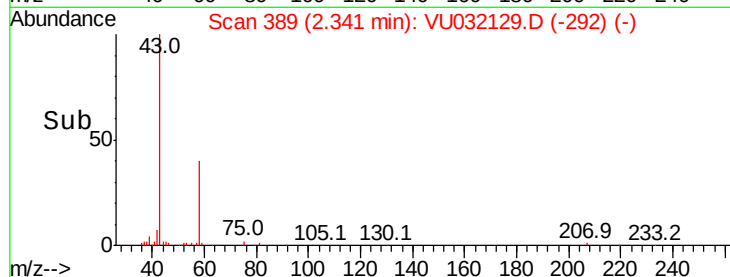
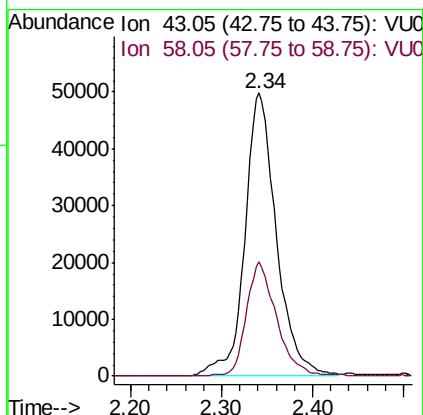
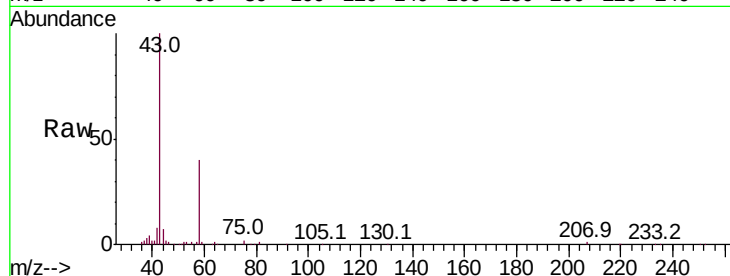
F9W31

Tot Ion: 43 Resp: 119901

Ion Ratio Lower Upper

43 100

58 38.5 0.0 78.8



#17

Methyl tert-butyl Ether

Concen: 0.347 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

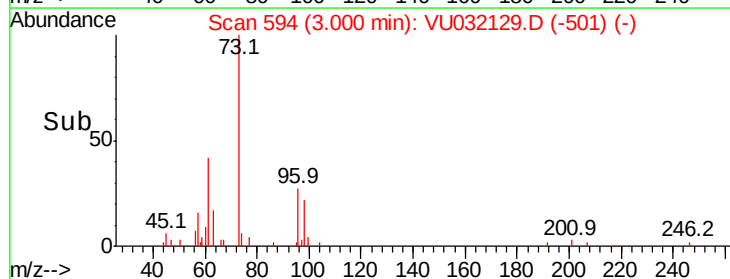
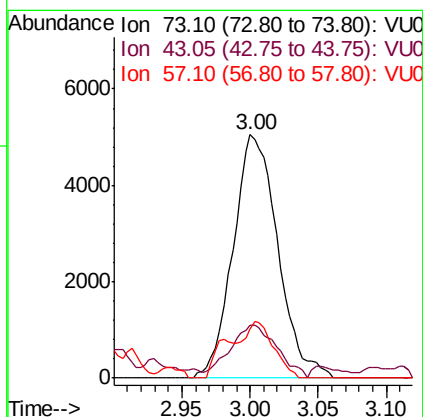
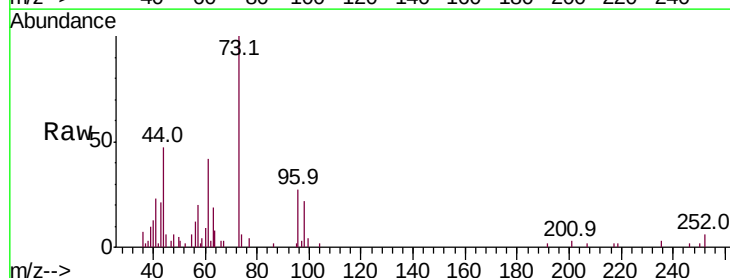
Tgt Ion: 73 Resp: 11498

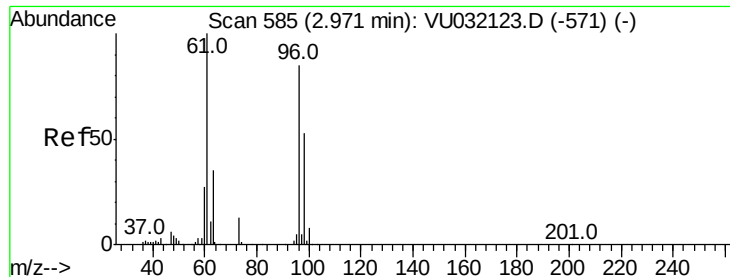
Ion Ratio Lower Upper

73 100

43 23.0 13.0 19.6#

57 15.2 17.9 26.9#





#18

trans-1,2-Dichloroethene

Concen: 2.017 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

Instrument :

MSVOA_U

ClientSampleId :

F9W31

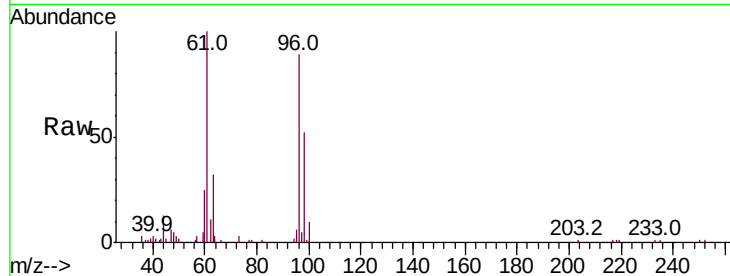
Tot Ion: 96 Resp: 30398

Ion Ratio Lower Upper

96 100

61 112.8 86.5 160.7

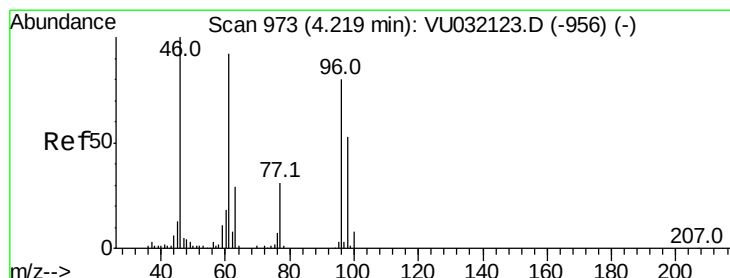
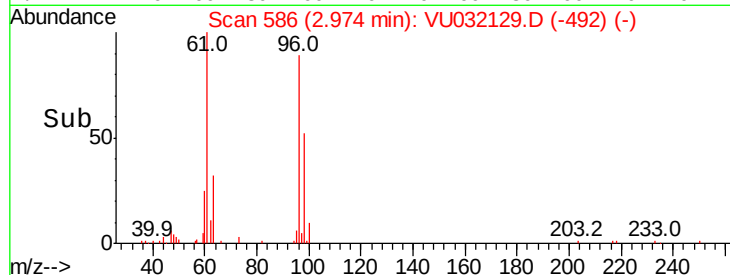
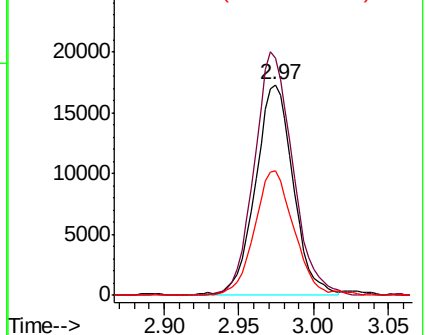
98 58.9 43.5 80.9



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: 13.039 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

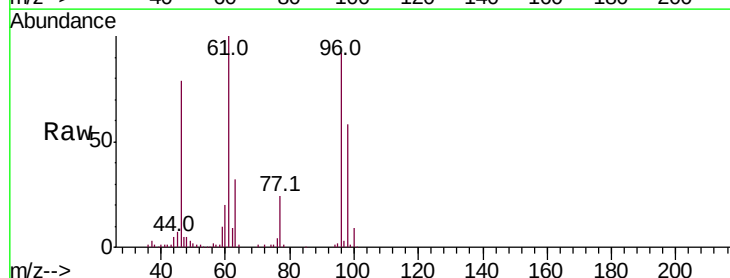
Tgt Ion: 96 Resp: 193320

Ion Ratio Lower Upper

96 100

61 108.2 85.8 159.4

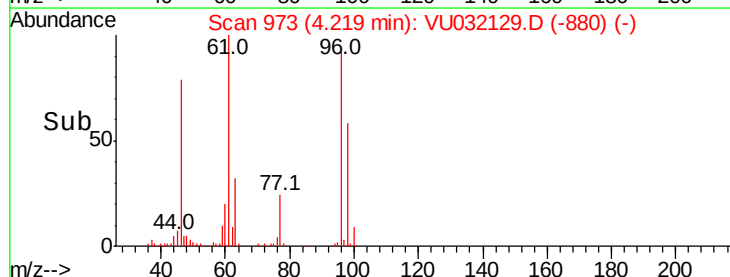
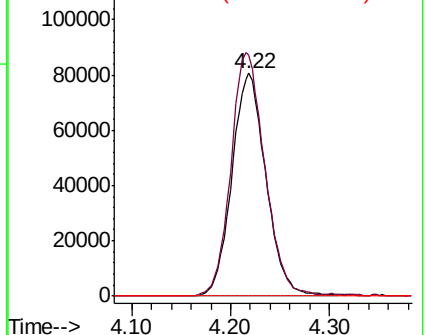
68 0.0 0.0 0.0

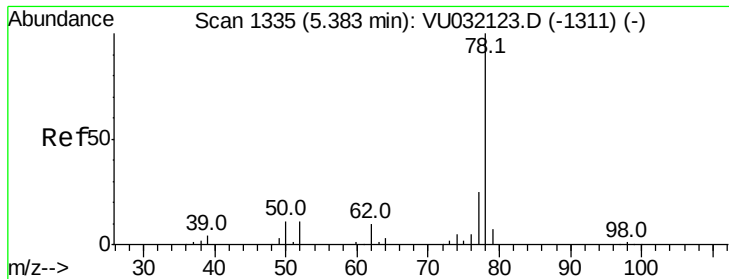


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#33

Benzene

Concen: 0.253 ug/L

RT: 5.39 min Scan# 1336

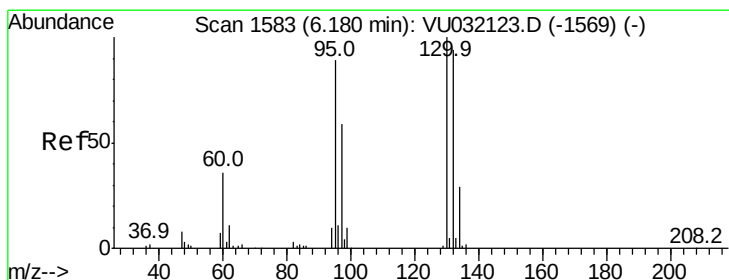
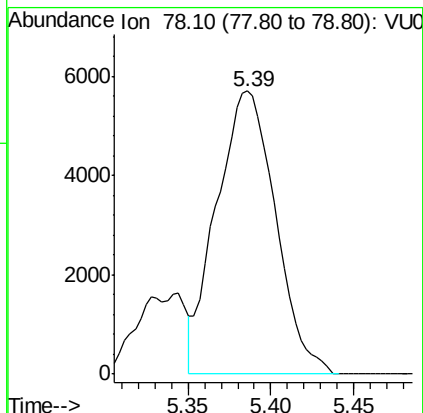
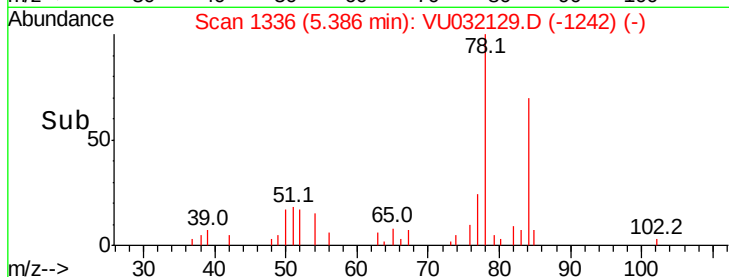
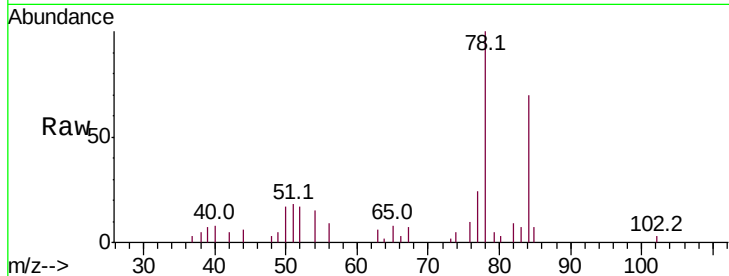
Delta R.T. 0.00 min

Lab File: VU032129.D

Acq: 18 May 2019 03:46

Instrument :
MSVOA_U
ClientSampled :
F9W31

Tgt Ion: 78 Resp: 14145



#34

Trichloroethene

Concen: 23.974 ug/L

RT: 6.18 min Scan# 1583

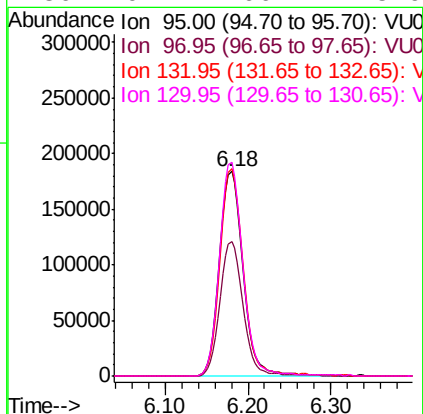
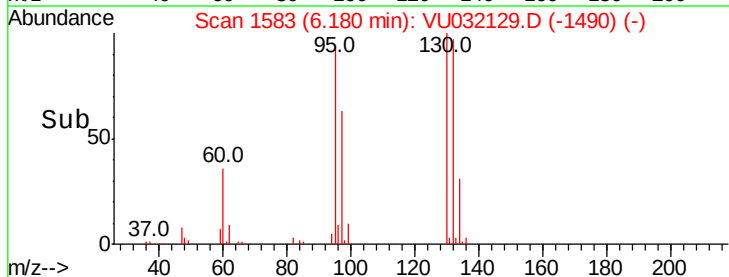
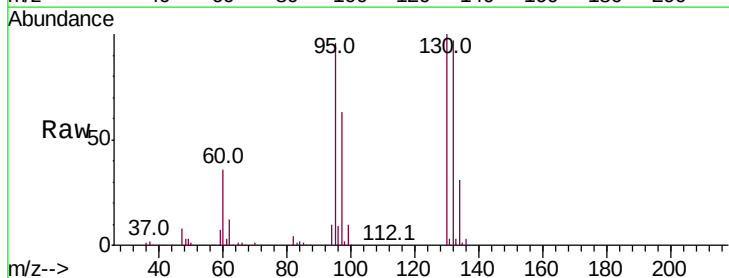
Delta R.T. 0.00 min

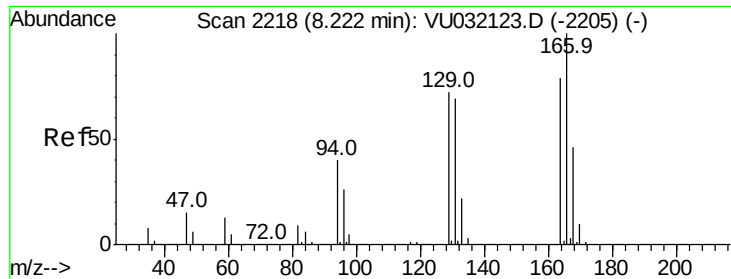
Lab File: VU032129.D

Acq: 18 May 2019 03:46

Tgt Ion: 95 Resp: 363910

Ion	Ratio	Lower	Upper
95	100		
97	65.6	45.2	84.0
132	101.1	66.1	122.7
130	104.4	66.7	123.9





#47

Tetrachloroethene

Concen: 0.584 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032129.D

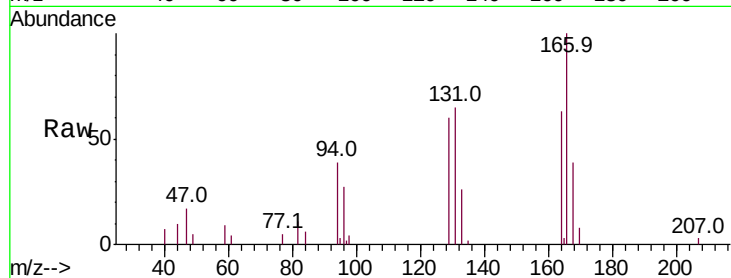
Acq: 18 May 2019 03:46

Instrument :

MSVOA_U

ClientSampleId :

F9W31



Tot Ion:164 Resp: 6626

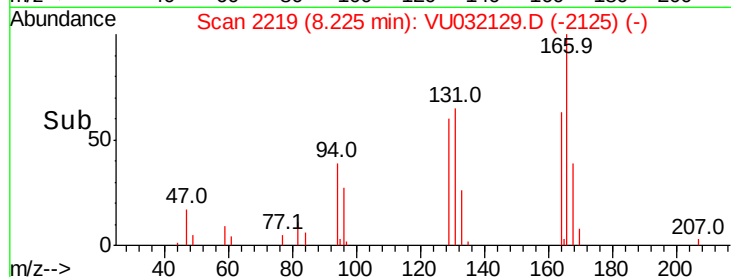
Ion Ratio Lower Upper

164 100

129 95.1 70.3 130.5

131 103.4 64.5 119.9

166 159.3 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

