

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052019\
 Data File : VU032152.D
 Acq On : 20 May 2019 14:02
 Operator : JC/SP
 Sample : K2860-05DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W32DL

Quant Time: May 21 10:50:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 21 06:39:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	359782	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	372959	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	151694	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	108516	3.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.60%
7) Chloroethane-d5	1.68	69	92080	3.56	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.20%
11) 1,1-Dichloroethene-d2	2.27	63	157513	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	4.20	46	255623	42.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.92%
24) Chloroform-d	4.64	84	223390	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.31	65	114040	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
32) Benzene-d6	5.33	84	446772	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
36) 1,2-Dichloropropane-d6	6.33	67	133265	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.20%
41) Toluene-d8	7.56	98	356552	3.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.20%
43) trans-1,3-Dichloropropene-	7.85	79	46215	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.31	63	208770	38.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	113019	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	140544	4.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.40%

Target Compounds

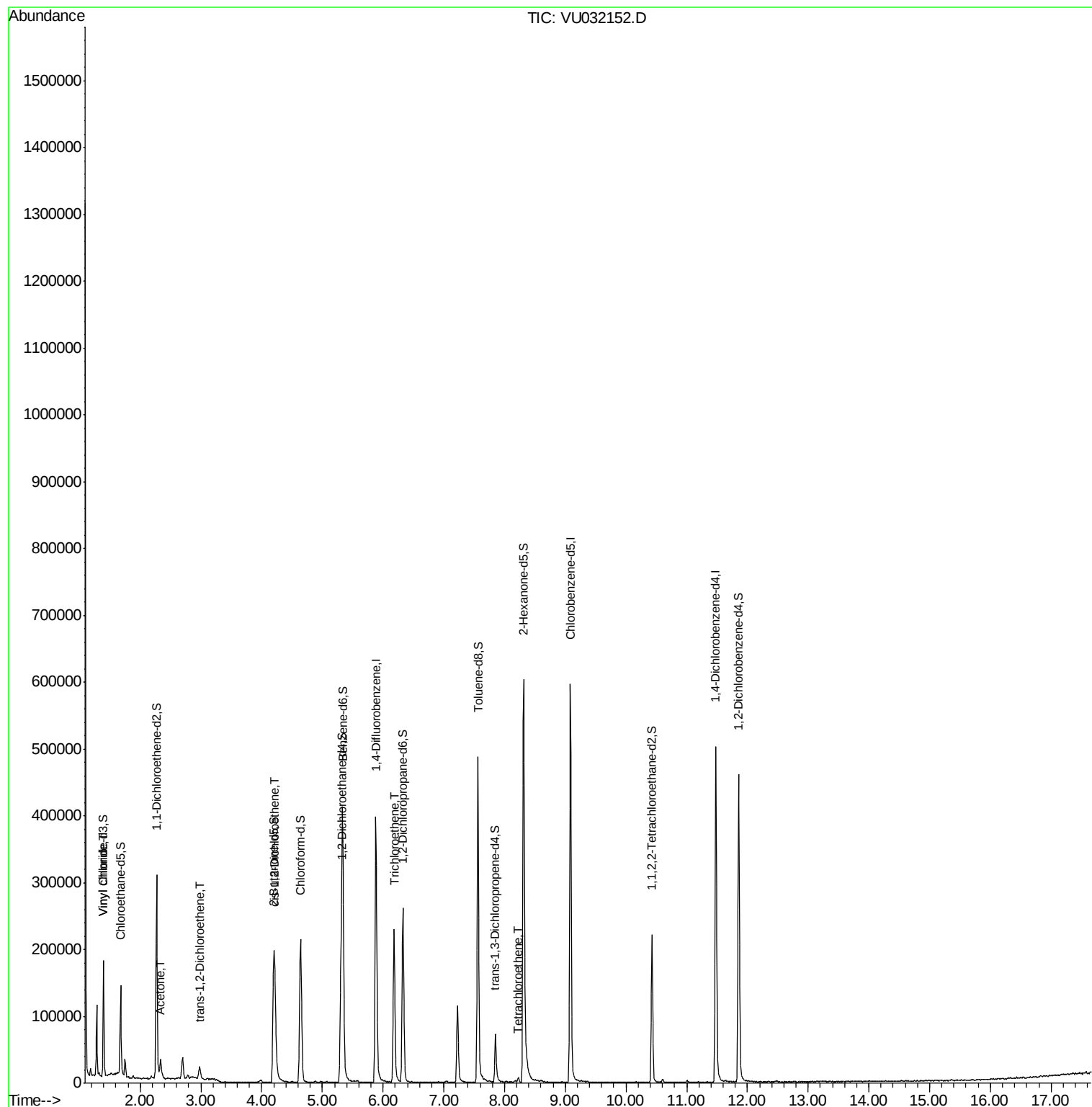
					Ovalue
5) Vinyl chloride	1.40	62	2994	0.165 ug/L	# 23
13) Acetone	2.34	43	26336	13.483 ug/L	91
18) trans-1,2-Dichloroethene	2.97	96	7408	0.479 ug/L	85
22) cis-1,2-Dichloroethene	4.22	96	44788	2.944 ug/L	88
34) Trichloroethene	6.18	95	83729	5.390 ug/L	94
47) Tetrachloroethene	8.23	164	2038	0.175 ug/L	89

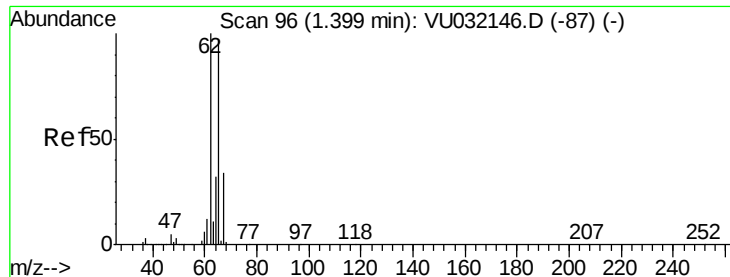
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.165 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU032152.D

Acq: 20 May 2019 14:02

Instrument :

MSVOA_U

ClientSampleID :

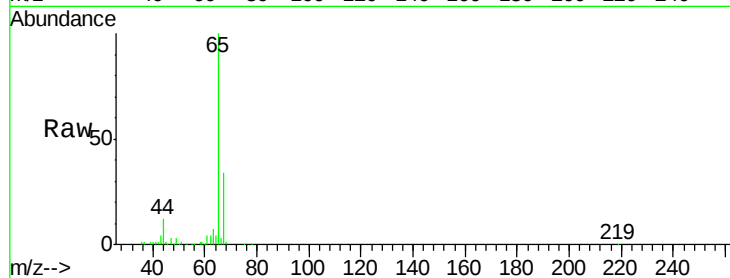
F9W32DL

Tot Ion: 62 Resp: 2994

Ion Ratio Lower Upper

62 100

64 80.3 24.8 46.1#



Abundance Ion 62.00 (61.70 to 62.70): VU032146.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU032146.D (-87) (-)

3000

2500

2000

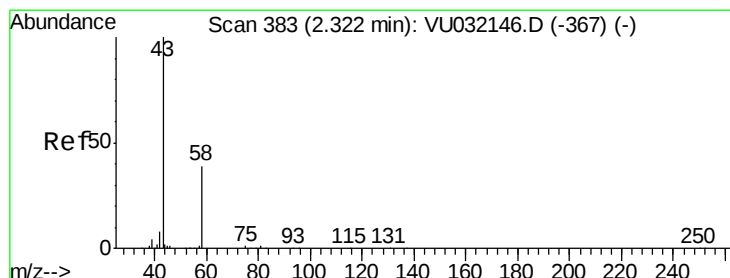
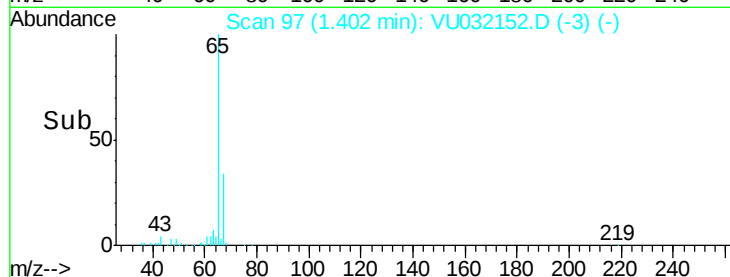
1500

1000

500

0

Time--> 1.36 1.38 1.40 1.42



#13

Acetone

Concen: 13.483 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.02 min

Lab File: VU032152.D

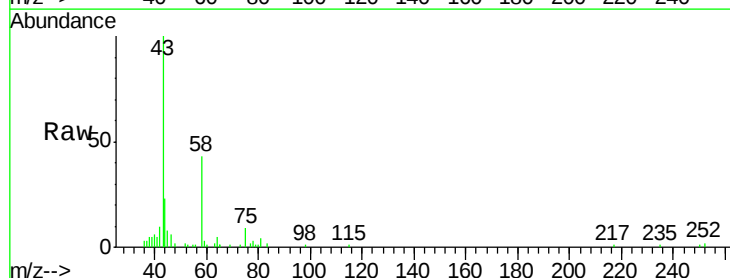
Acq: 20 May 2019 14:02

Tgt Ion: 43 Resp: 26336

Ion Ratio Lower Upper

43 100

58 45.1 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032146.D (-367) (-)

Ion 58.05 (57.75 to 58.75): VU032146.D (-367) (-)

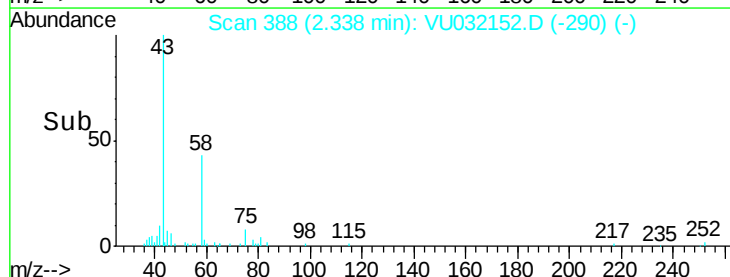
15000

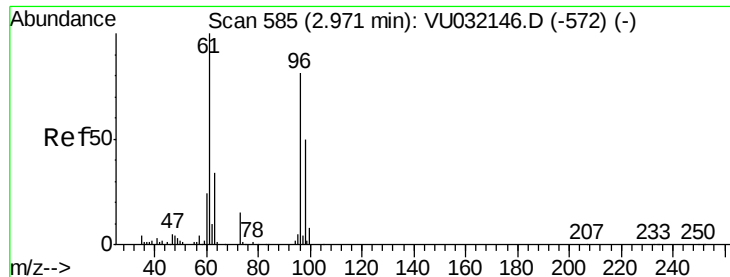
10000

5000

0

Time--> 2.30 2.35 2.40





#18

trans-1,2-Dichloroethene

Concen: 0.479 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032152.D

Acq: 20 May 2019 14:02

Instrument :

MSVOA_U

ClientSampleId :

F9W32DL

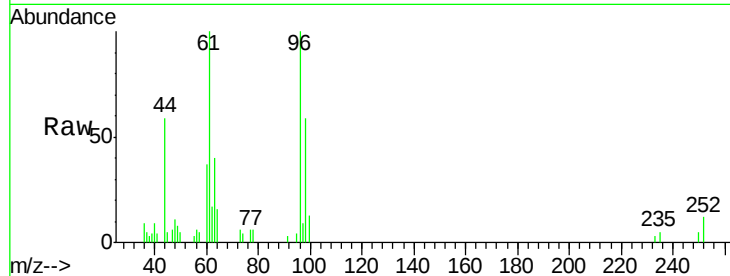
Tot Ion: 96 Resp: 7408

Ion Ratio Lower Upper

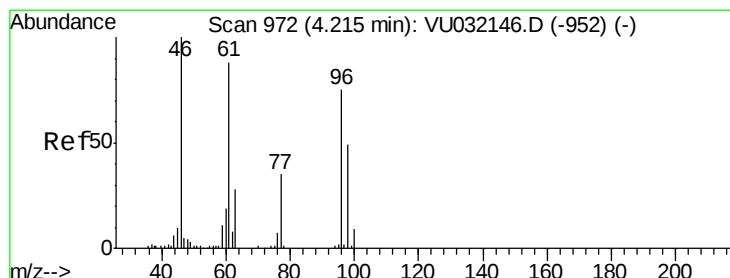
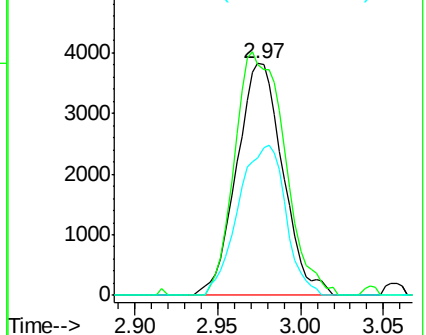
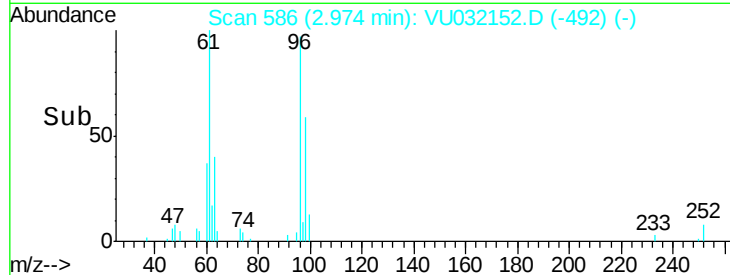
96 100

61 99.8 86.5 160.7

98 59.3 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU032152.D (-492) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.944 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032152.D

Acq: 20 May 2019 14:02

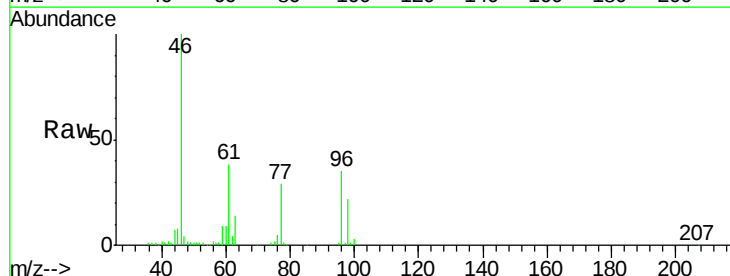
Tgt Ion: 96 Resp: 44788

Ion Ratio Lower Upper

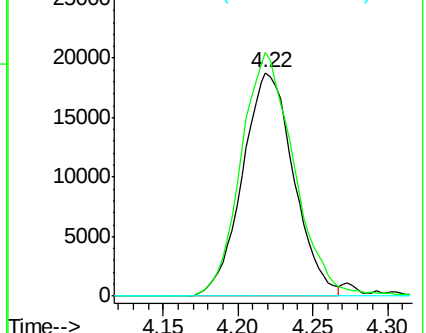
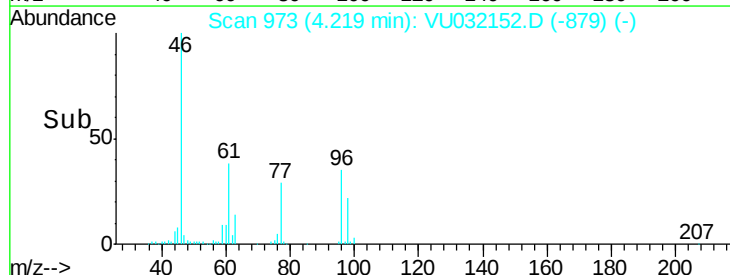
96 100

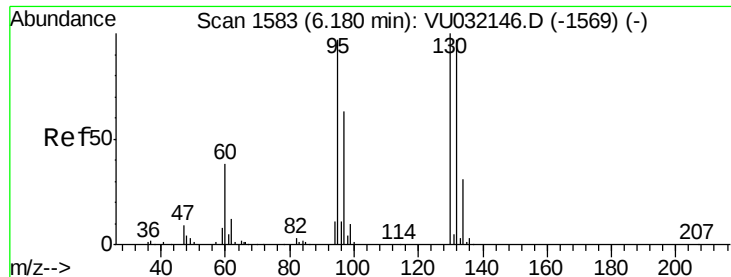
61 108.9 85.8 159.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032152.D (-879) (-)





#34

Trichloroethene

Concen: 5.390 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032152.D

Acq: 20 May 2019 14:02

Instrument :

MSVOA_U

ClientSampleId :

F9W32DL

Tot Ion: 95 Resp: 83729

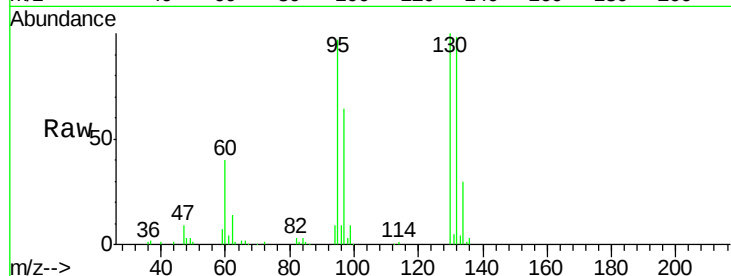
Ion Ratio Lower Upper

95 100

97 65.8 45.2 84.0

132 101.2 66.1 122.7

130 102.9 66.7 123.9

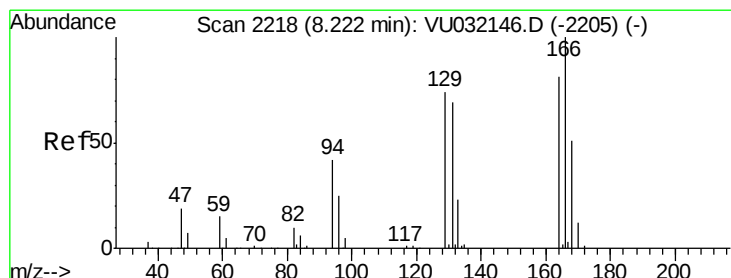
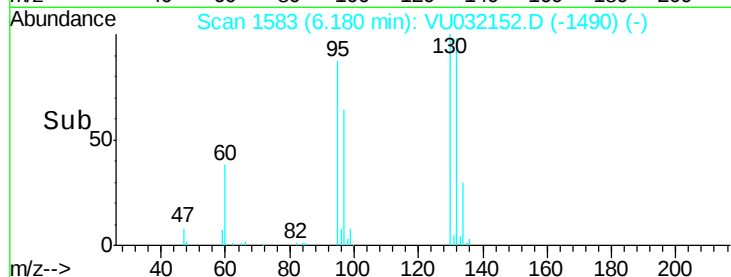
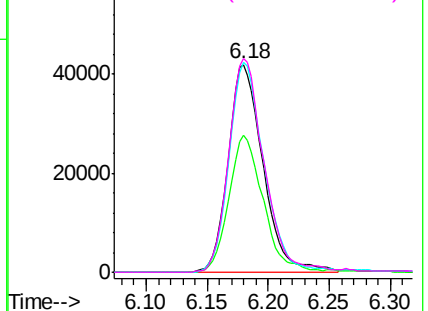


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.175 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU032152.D

Acq: 20 May 2019 14:02

Tgt Ion: 164 Resp: 2038

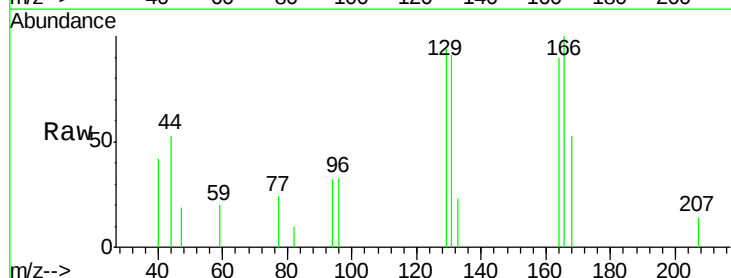
Ion Ratio Lower Upper

164 100

129 104.6 70.3 130.5

131 101.4 64.5 119.9

166 111.6 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

