

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052019\
 Data File : VU032149.D
 Acq On : 20 May 2019 12:48
 Operator : JC/SP
 Sample : K2860-04DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W31DL

Quant Time: May 21 07:55:25 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	381122	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	387540	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	157626	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	106599	3.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.40%
7) Chloroethane-d5	1.68	69	96499	3.52	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.40%
11) 1,1-Dichloroethene-d2	2.27	63	152640	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	4.20	46	252730	40.10	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.20%
24) Chloroform-d	4.64	84	219135	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.60%
26) 1,2-Dichloroethane-d4	5.31	65	110861	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.20%
32) Benzene-d6	5.33	84	444395	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.20%
36) 1,2-Dichloropropane-d6	6.32	67	131187	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.00%
41) Toluene-d8	7.56	98	358513	3.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.80%#
43) trans-1,3-Dichloropropene-	7.85	79	46429	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	8.31	63	209848	37.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114615	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	141024	4.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.40%

Target Compounds

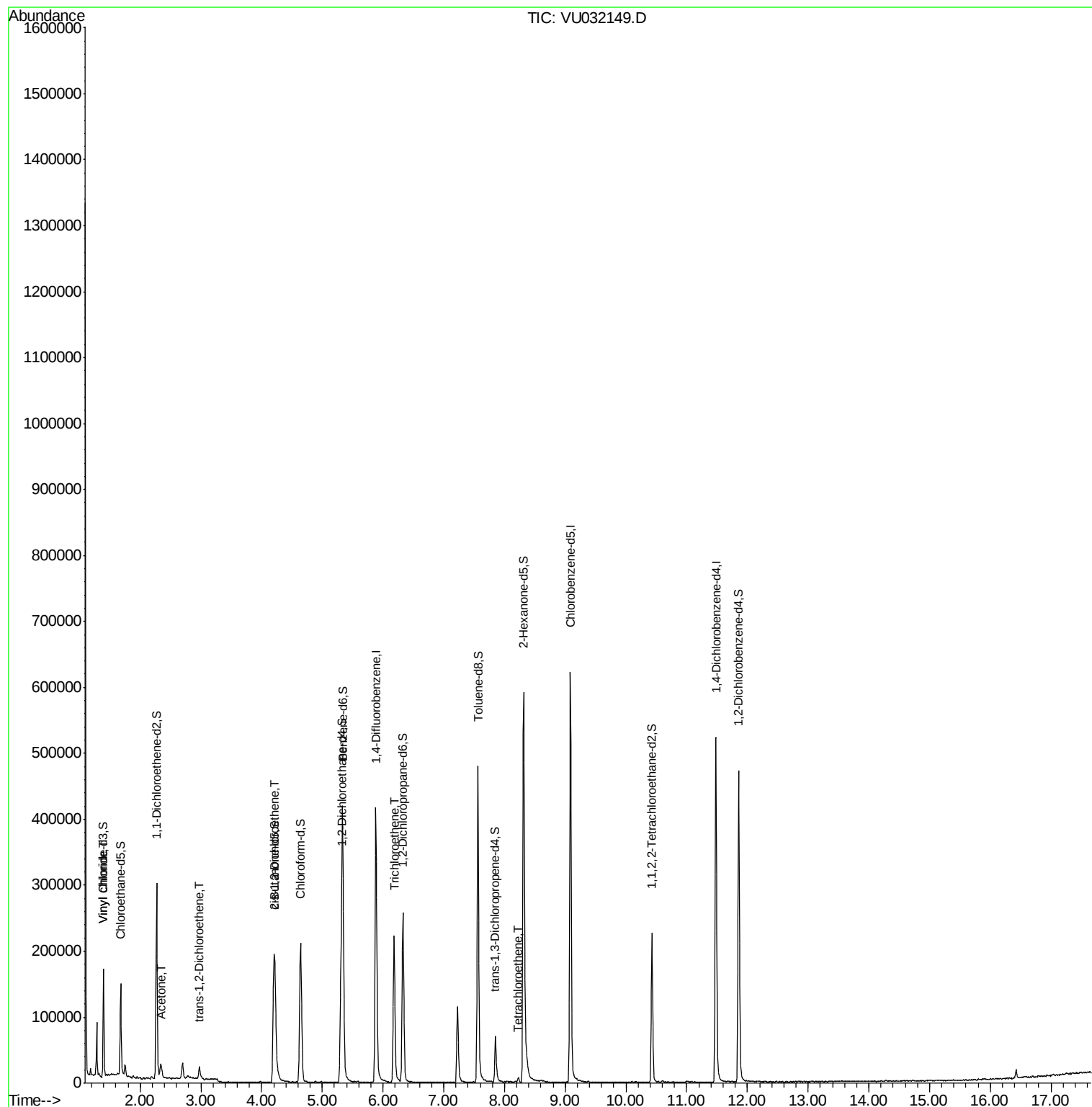
					Ovalue
5) Vinyl chloride	1.40	62	2783	0.145 ug/L #	17
13) Acetone	2.34	43	27725	13.399 ug/L	95
18) trans-1,2-Dichloroethene	2.97	96	6702	0.409 ug/L	90
22) cis-1,2-Dichloroethene	4.22	96	44439	2.757 ug/L	85
34) Trichloroethene	6.18	95	80144	4.965 ug/L	94
47) Tetrachloroethene	8.23	164	1776	0.147 ug/L #	70

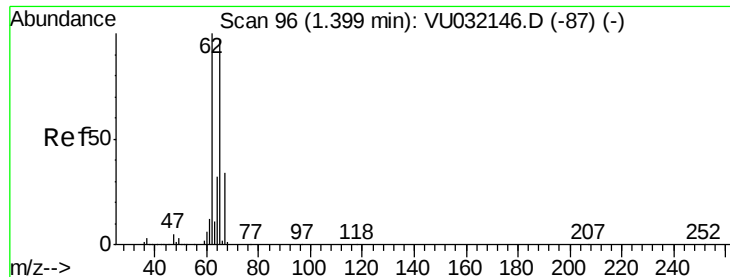
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.145 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

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Acq: 20 May 2019 12:48

Instrument :

MSVOA_U

ClientSampleId :

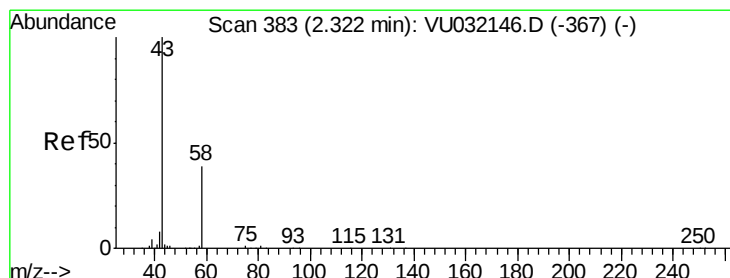
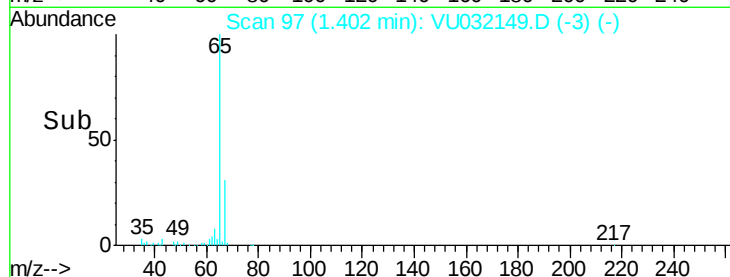
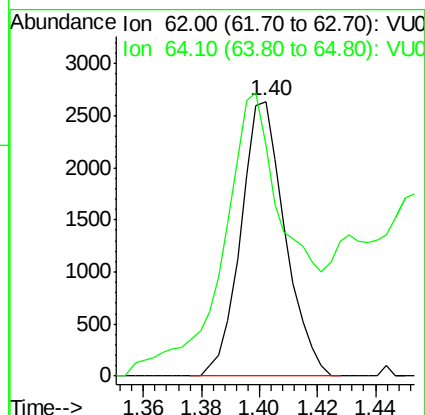
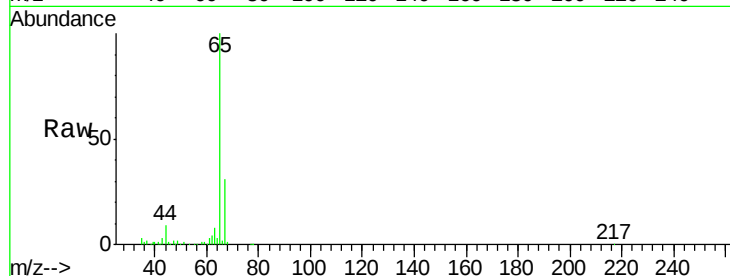
F9W31DL

Tot Ion: 62 Resp: 2783

Ion Ratio Lower Upper

62 100

64 84.1 24.8 46.1#



#13

Acetone

Concen: 13.399 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.02 min

Lab File: VU032149.D

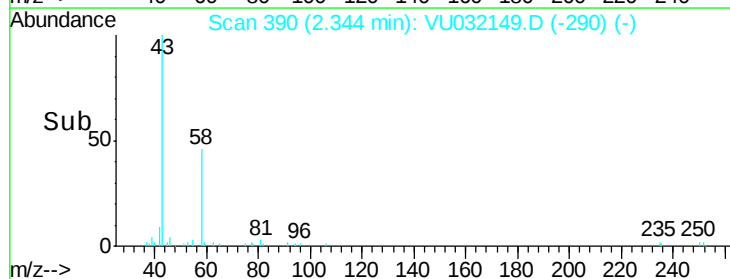
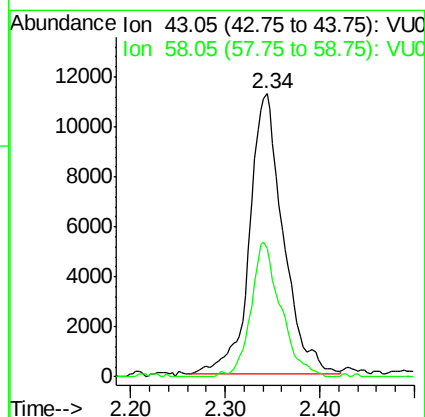
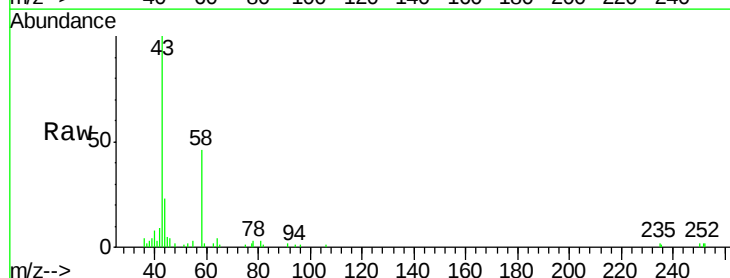
Acq: 20 May 2019 12:48

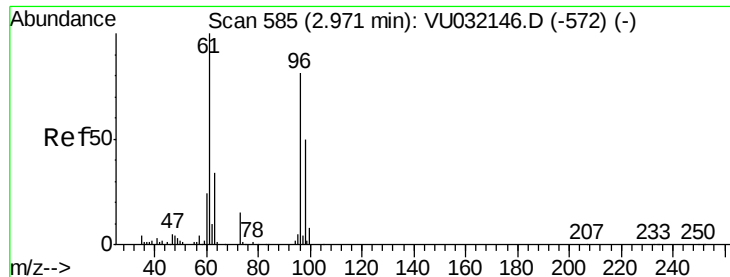
Tgt Ion: 43 Resp: 27725

Ion Ratio Lower Upper

43 100

58 42.5 0.0 78.8





#18

trans-1,2-Dichloroethene

Concen: 0.409 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032149.D

Acq: 20 May 2019 12:48

Instrument :

MSVOA_U

ClientSampleId :

F9W31DL

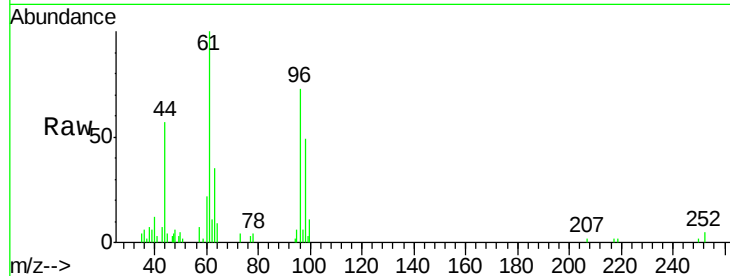
Tot Ion: 96 Resp: 6702

Ion Ratio Lower Upper

96 100

61 137.8 86.5 160.7

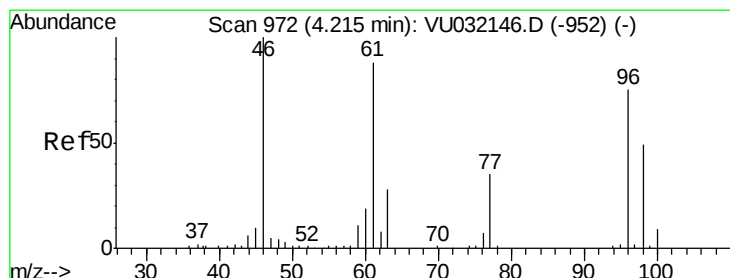
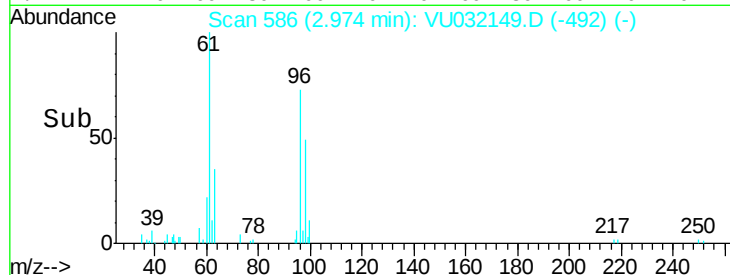
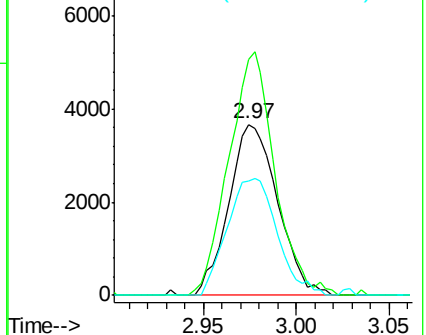
98 66.9 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU032149.D (-492) (-)

Ion 61.05 (60.75 to 61.75): VU032149.D (-492) (-)

Ion 97.95 (97.65 to 98.65): VU032149.D (-492) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.757 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032149.D

Acq: 20 May 2019 12:48

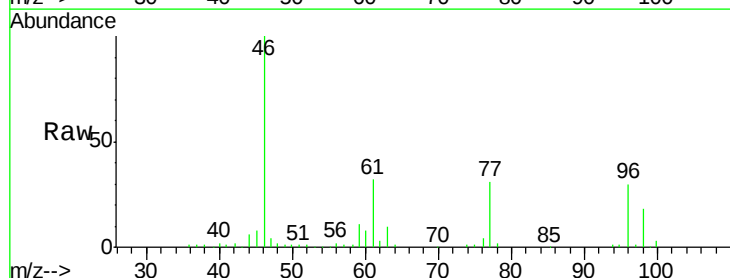
Tgt Ion: 96 Resp: 44439

Ion Ratio Lower Upper

96 100

61 105.6 85.8 159.4

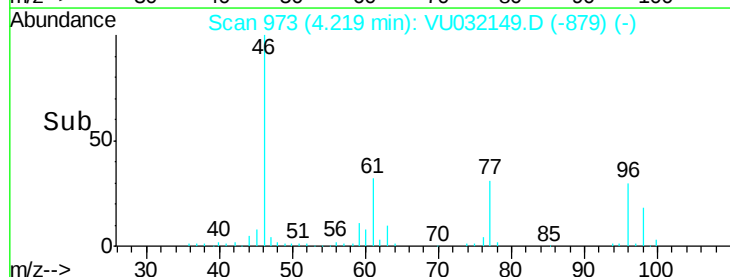
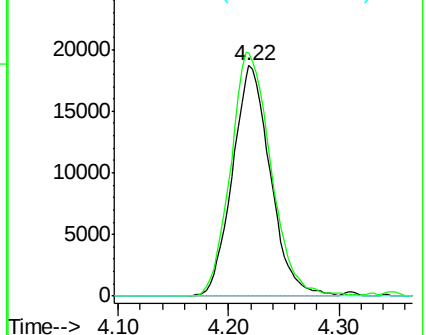
68 0.0 0.0 0.0

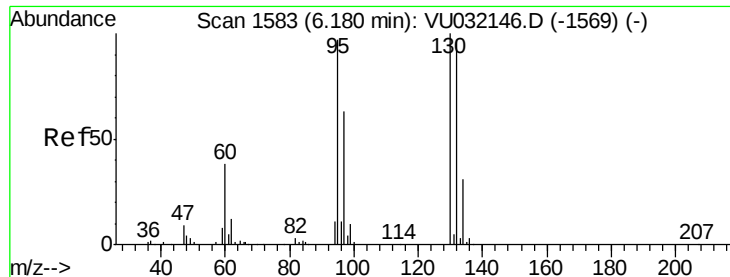


Abundance Ion 96.00 (95.70 to 96.70): VU032149.D (-879) (-)

Ion 61.05 (60.75 to 61.75): VU032149.D (-879) (-)

Ion 68.15 (67.85 to 68.85): VU032149.D (-879) (-)





#34

Trichloroethene

Concen: 4.965 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032149.D

Acq: 20 May 2019 12:48

Instrument :

MSVOA_U

ClientSampleId :

F9W31DL

Tot Ion: 95 Resp: 80144

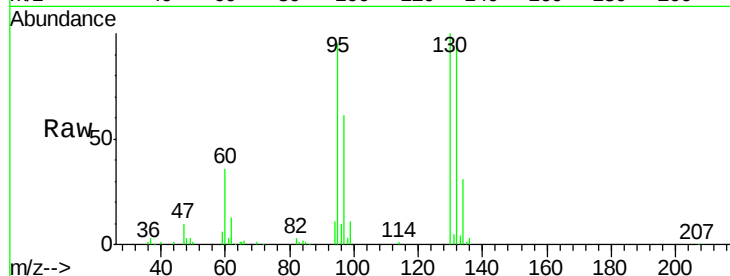
Ion Ratio Lower Upper

95 100

97 63.9 45.2 84.0

132 101.0 66.1 122.7

130 104.9 66.7 123.9

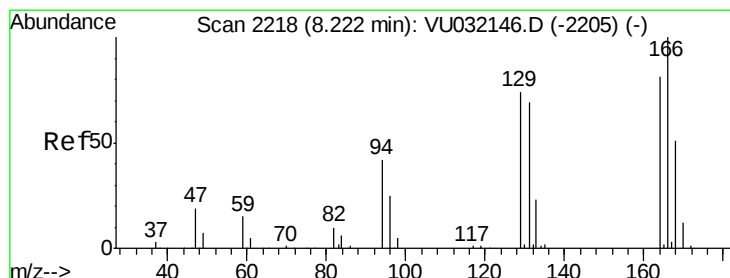
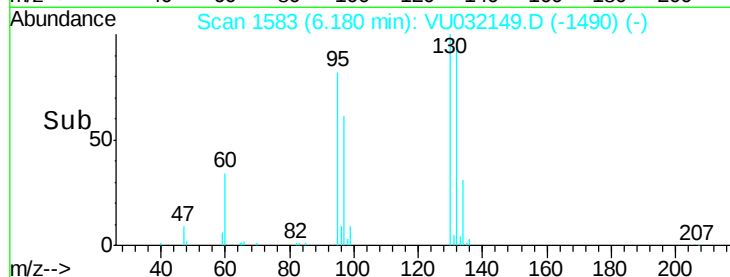
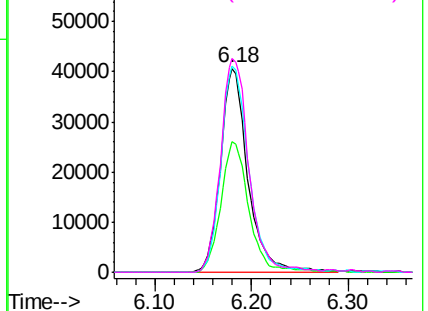


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.147 ug/L

RT: 8.23 min Scan# 2221

Delta R.T. 0.01 min

Lab File: VU032149.D

Acq: 20 May 2019 12:48

Tgt Ion: 164 Resp: 1776

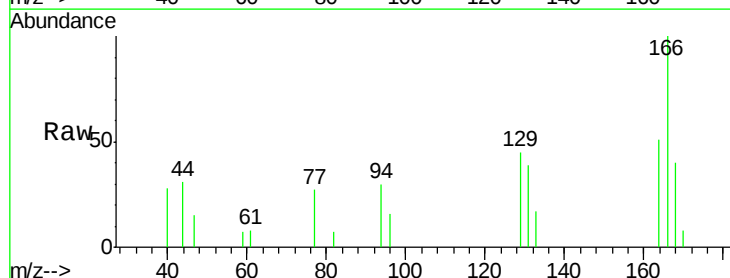
Ion Ratio Lower Upper

164 100

129 88.9 70.3 130.5

131 75.9 64.5 119.9

166 195.7 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

