

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061819\
 Data File : VU032816.D
 Acq On : 18 Jun 2019 12:06
 Operator : JC/SP
 Sample : K3363-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JQ5

Quant Time: Jun 19 02:00:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 19 01:26:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	230810	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	228697	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112290	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	74046	46.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.88%
7) Chloroethane-d5	1.68	69	61611	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.94%
11) 1,1-Dichloroethene-d2	2.27	63	114097	35.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.82%
21) 2-Butanone-d5	4.17	46	140142	106.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.74%
24) Chloroform-d	4.64	84	150232	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
26) 1,2-Dichloroethane-d4	5.30	65	105376	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.18%
32) Benzene-d6	5.33	84	298335	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.08%
36) 1,2-Dichloropropane-d6	6.32	67	95984	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.08%
41) Toluene-d8	7.56	98	278849	49.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.90%
43) trans-1,3-Dichloropropene-	7.85	79	41911	42.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.84%
47) 2-Hexanone-d5	8.30	63	95400	107.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.58%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	140304	47.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	111180	51.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.34%

Target Compounds

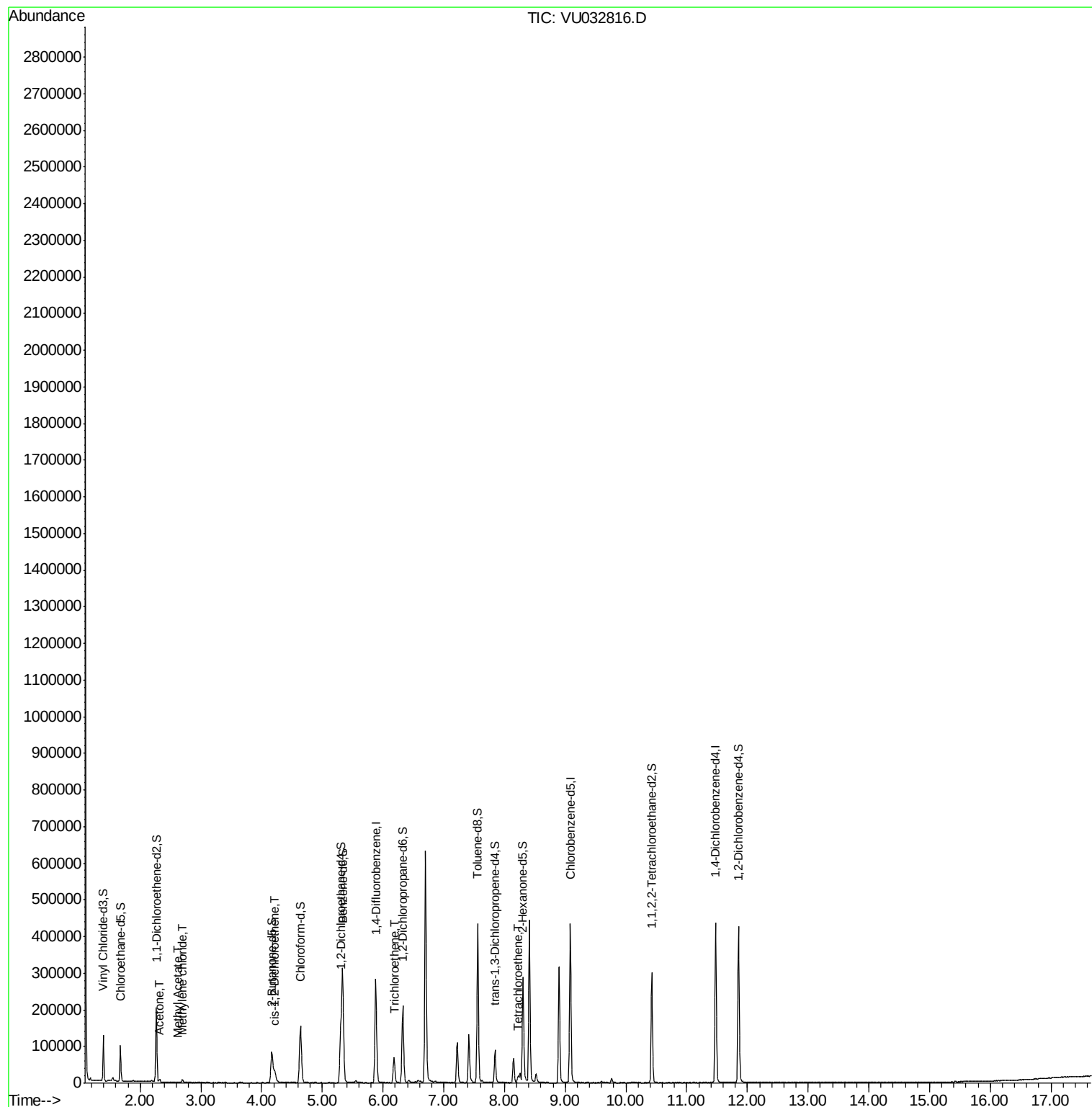
					Ovalue
13) Acetone	2.32	43	7029	3.876 ug/L	99
15) Methyl Acetate	2.62	43	1445	0.703 ug/L #	82
16) Methylene chloride	2.69	84	2837	1.663 ug/L	90
20) cis-1,2-Dichloroethene	4.22	96	13465	7.842 ug/L	93
34) Trichloroethene	6.18	95	23002	13.067 ug/L	94
46) Tetrachloroethene	8.23	164	2591	1.796 ug/L	92

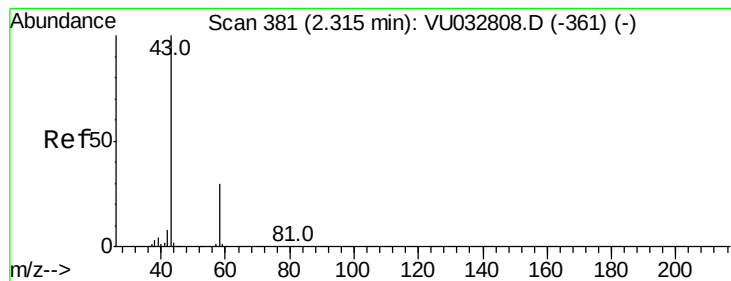
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 3.876 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032816.D

Acq: 18 Jun 2019 12:06

Instrument :

MSVOA_U

ClientSampleId :

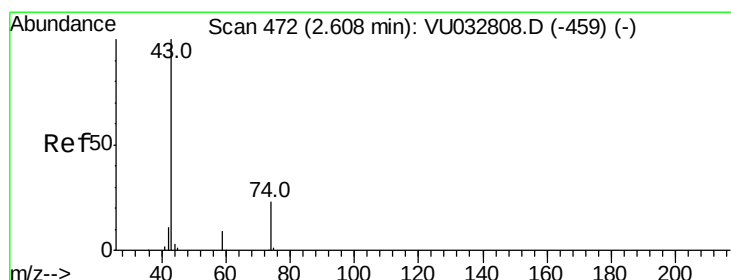
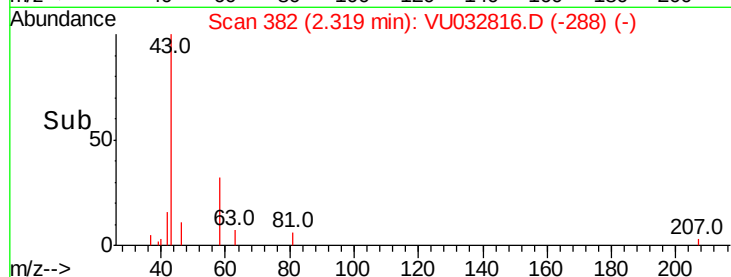
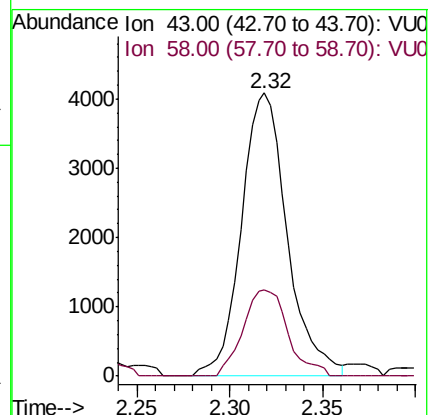
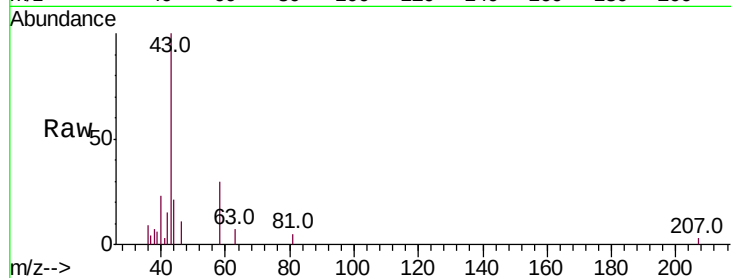
C0JQ5

Tot Ion: 43 Resp: 7029

Ion Ratio Lower Upper

43 100

58 29.8 0.0 60.6



#15

Methyl Acetate

Concen: 0.703 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.01 min

Lab File: VU032816.D

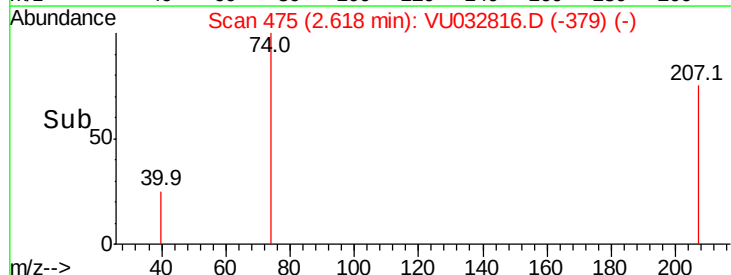
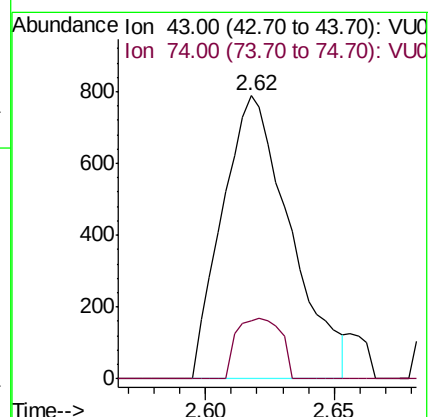
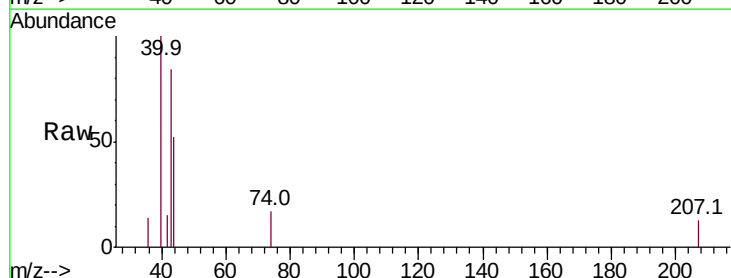
Acq: 18 Jun 2019 12:06

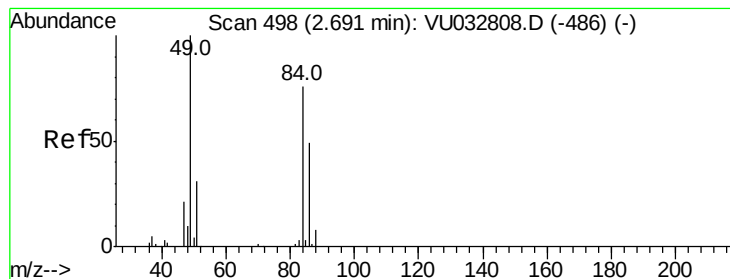
Tgt Ion: 43 Resp: 1445

Ion Ratio Lower Upper

43 100

74 13.8 18.1 27.1#





#16

Methylene chloride

Concen: 1.663 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032816.D

Acq: 18 Jun 2019 12:06

Instrument :

MSVOA_U

ClientSampleId :

C0JQ5

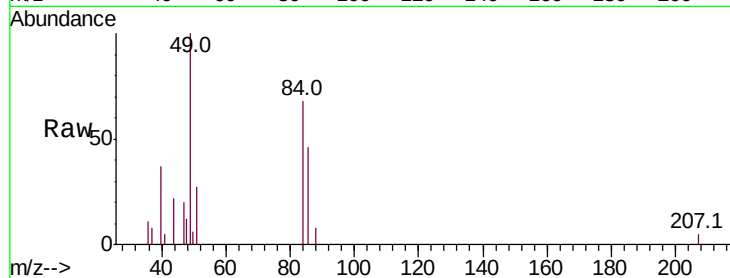
Tot Ion: 84 Resp: 2837

Ion Ratio Lower Upper

84 100

86 67.5 45.5 84.5

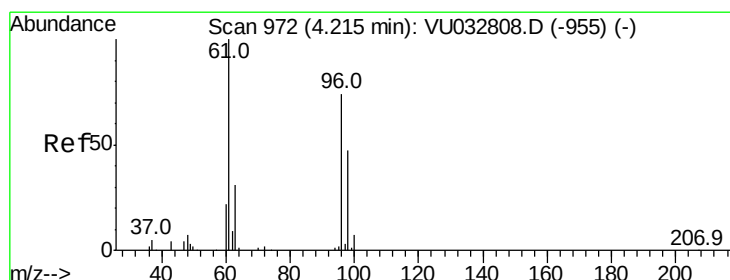
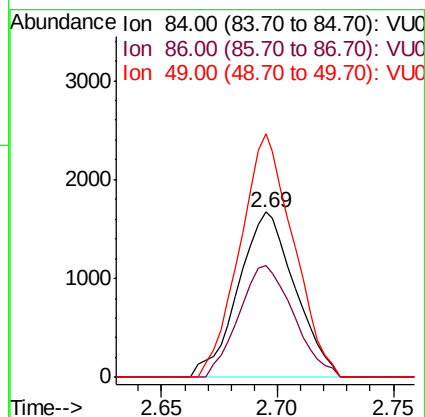
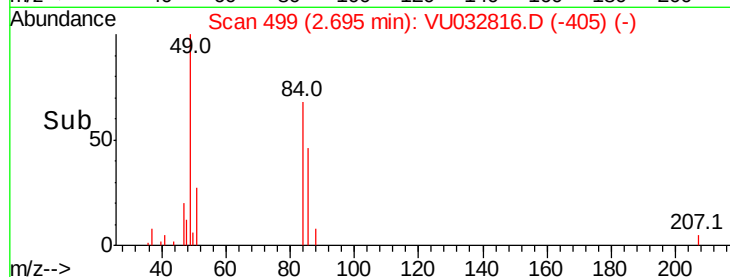
49 147.4 92.1 171.1



Abundance Ion 84.00 (83.70 to 84.70): VU032816.D (-405) (-)

Ion 86.00 (85.70 to 86.70): VU032816.D (-405) (-)

Ion 49.00 (48.70 to 49.70): VU032816.D (-405) (-)



#20

cis-1,2-Dichloroethene

Concen: 7.842 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032816.D

Acq: 18 Jun 2019 12:06

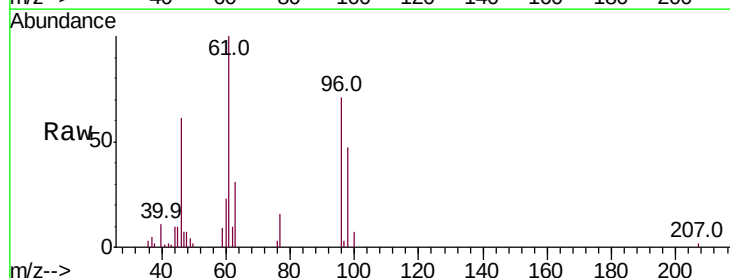
Tgt Ion: 96 Resp: 13465

Ion Ratio Lower Upper

96 100

61 140.2 92.4 171.6

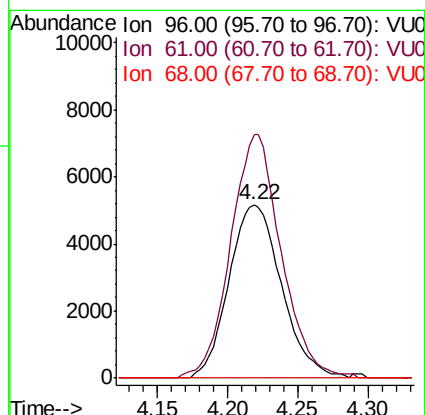
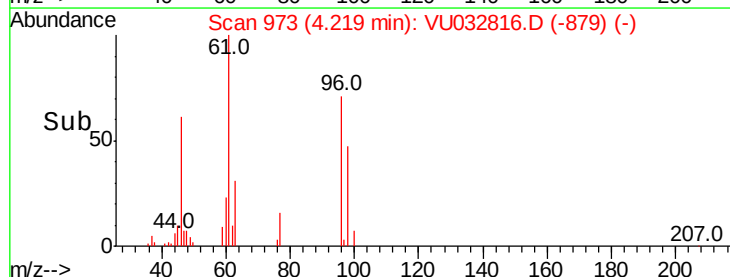
68 0.0 0.0 0.0

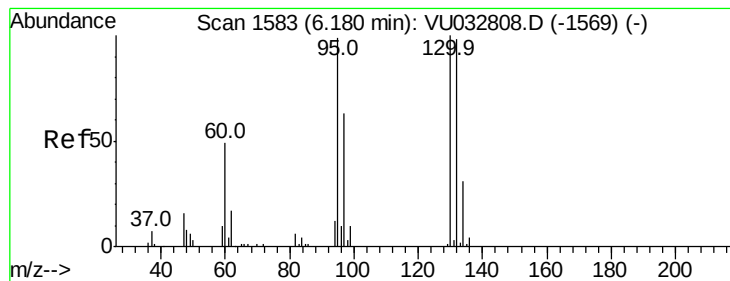


Abundance Ion 96.00 (95.70 to 96.70): VU032816.D (-879) (-)

Ion 61.00 (60.70 to 61.70): VU032816.D (-879) (-)

Ion 68.00 (67.70 to 68.70): VU032816.D (-879) (-)





#34

Trichloroethene

Concen: 13.067 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032816.D

Acq: 18 Jun 2019 12:06

Instrument :

MSVOA_U

ClientSampleId :

C0JQ5

Tot Ion: 95 Resp: 23002

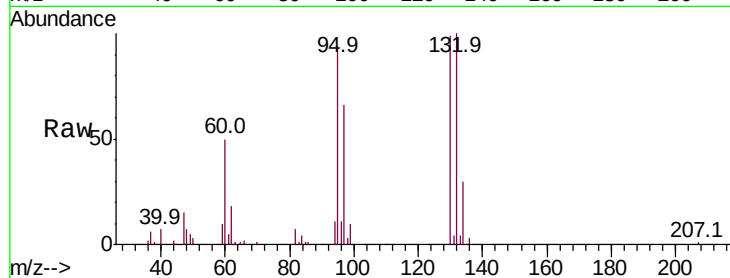
Ion Ratio Lower Upper

95 100

97 69.9 45.9 85.3

132 106.7 68.5 127.3

130 105.4 70.8 131.4

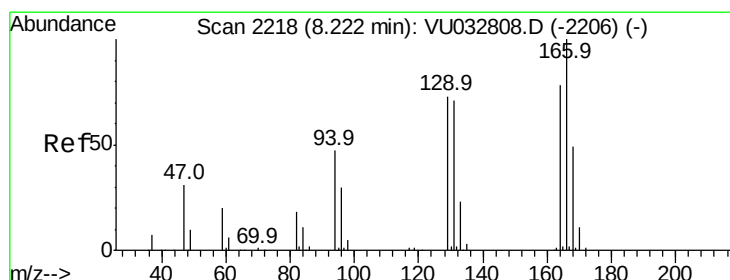
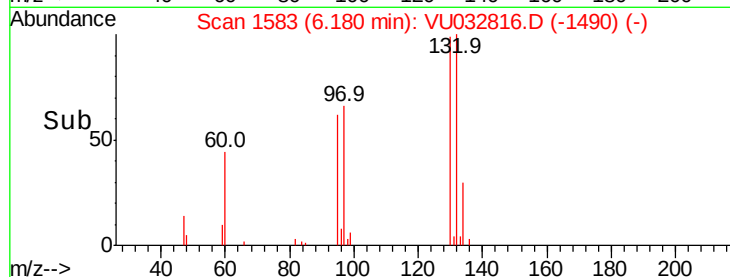
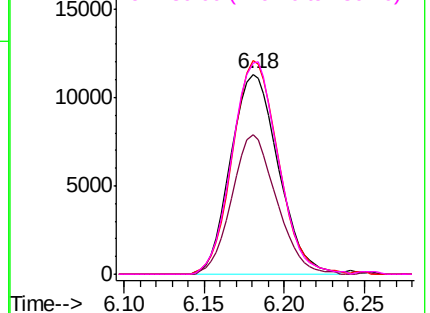


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 1.796 ug/L

RT: 8.23 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032816.D

Acq: 18 Jun 2019 12:06

Tgt Ion:164 Resp: 2591

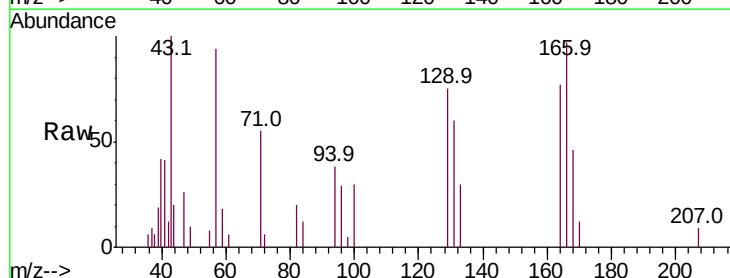
Ion Ratio Lower Upper

164 100

129 97.3 64.8 120.3

131 77.7 64.5 119.7

166 125.9 91.3 169.6



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

