

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090518\
 Data File : VU026551.D
 Acq On : 05 Sep 2018 18:55
 Operator : MD/SY
 Sample : J4694-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEE22

Quant Time: Sep 06 07:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 06 05:59:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	151073	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	135014	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	57753	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	38973	41.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.28%
7) Chloroethane-d5	1.68	69	37242	44.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.10%
11) 1,1-Dichloroethene-d2	2.27	63	55617	26.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.76%#
21) 2-Butanone-d5	4.18	46	84406	116.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.19%
24) Chloroform-d	4.65	84	83708	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
26) 1,2-Dichloroethane-d4	5.31	65	59249	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.68%
32) Benzene-d6	5.34	84	157921	50.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.50%
36) 1,2-Dichloropropane-d6	6.33	67	57472	53.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.52%
41) Toluene-d8	7.57	98	131928	43.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.84%
43) trans-1,3-Dichloropropene-	7.85	79	21149	43.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.64%
47) 2-Hexanone-d5	8.31	63	58913	120.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	83943	53.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	53529	51.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.18%

Target Compounds

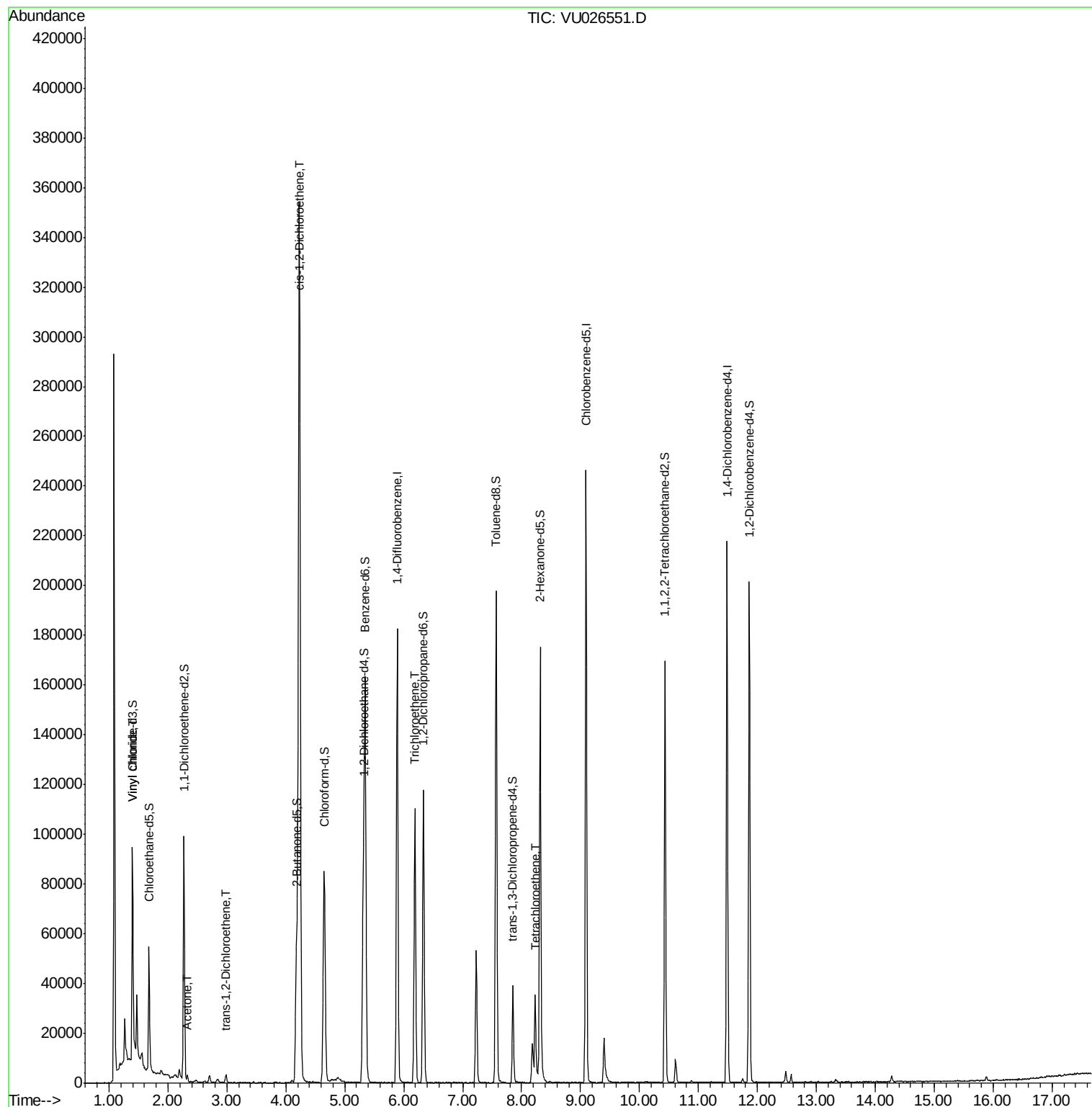
					Ovalue
5) Vinyl chloride	1.40	62	21172	13.43	ug/L # 63
13) Acetone	2.32	43	2768	4.40	ug/L 98
17) trans-1,2-Dichloroethene	2.99	96	1329	1.36	ug/L 97
20) cis-1,2-Dichloroethene	4.23	96	195806	179.20	ug/L 100
34) Trichloroethene	6.19	95	37671	38.80	ug/L 98
46) Tetrachloroethene	8.23	164	7220	9.10	ug/L 99

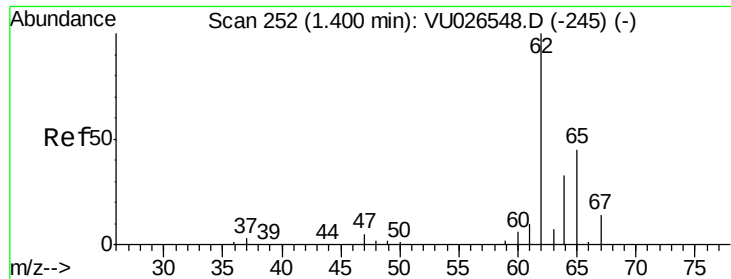
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 13.43 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026551.D

Acq: 05 Sep 2018 18:55

Instrument :

MSVOA_U

ClientSampled :

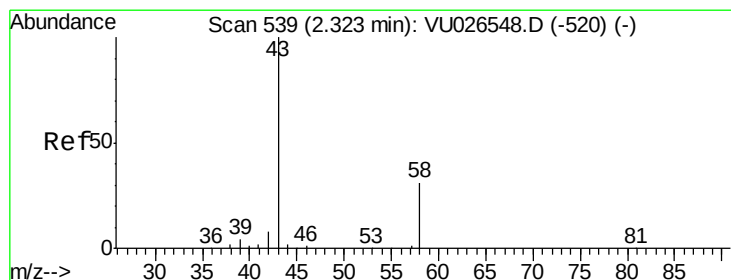
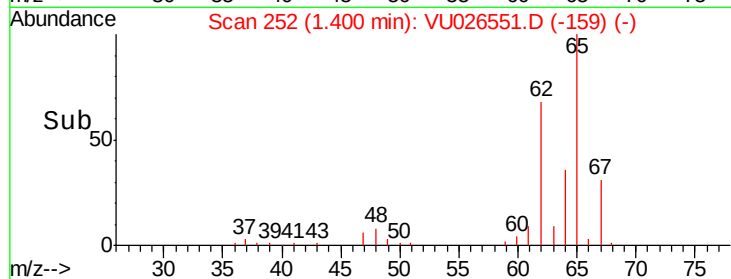
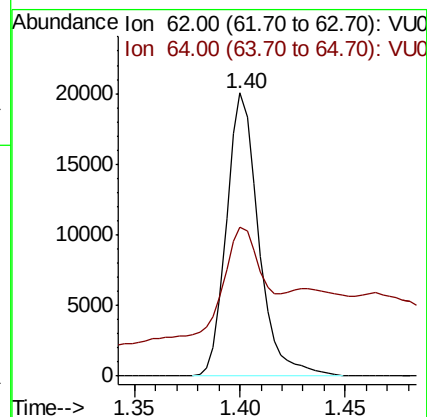
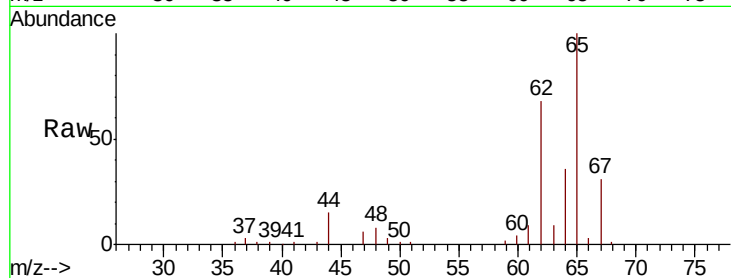
BEE22

Tot Ion: 62 Resp: 21172

Ion Ratio Lower Upper

62 100

64 52.7 22.4 41.6#



#13

Acetone

Concen: 4.40 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026551.D

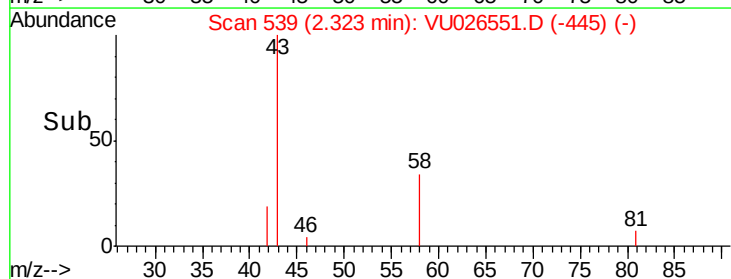
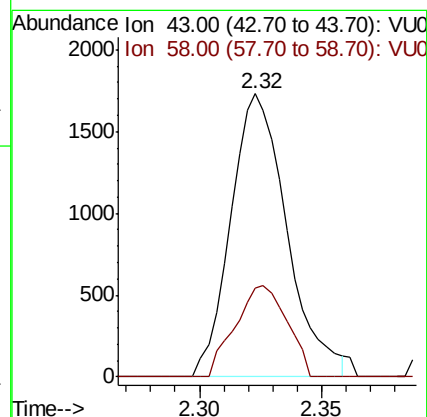
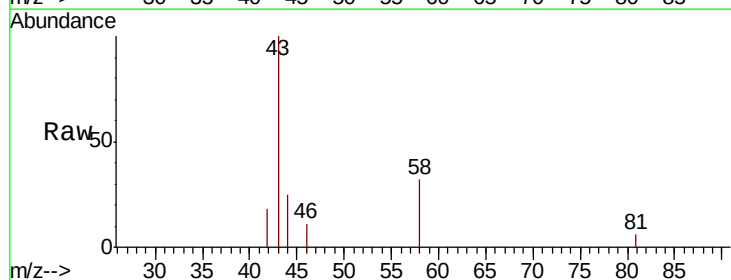
Acq: 05 Sep 2018 18:55

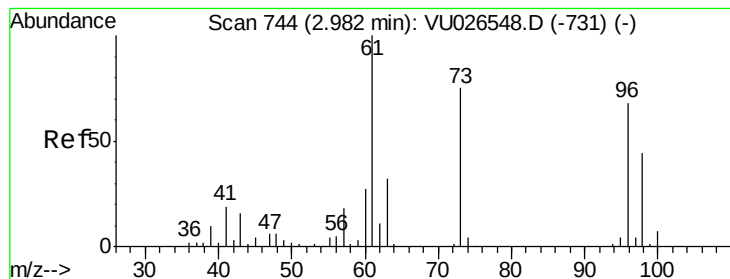
Tgt Ion: 43 Resp: 2768

Ion Ratio Lower Upper

43 100

58 29.7 0.0 61.2





#17

trans-1,2-Dichloroethene

Concen: 1.36 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026551.D

Acq: 05 Sep 2018 18:55

Instrument :

MSVOA_U

ClientSampled :

BEE22

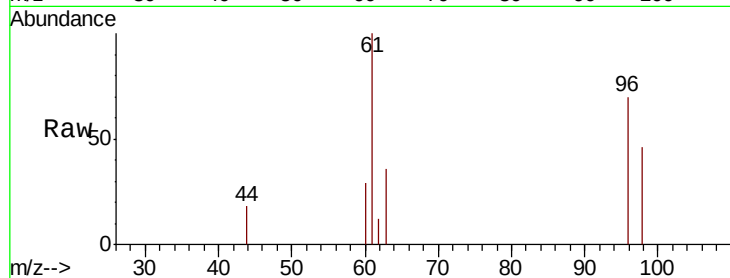
Tot Ion: 96 Resp: 1329

Ion Ratio Lower Upper

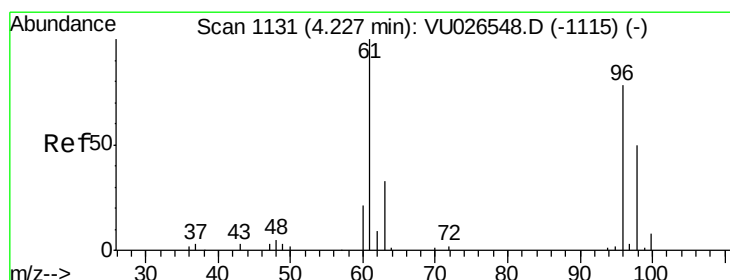
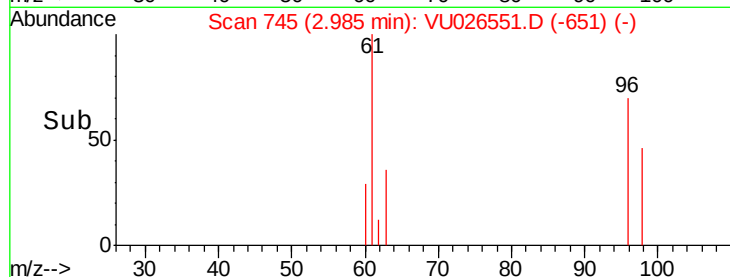
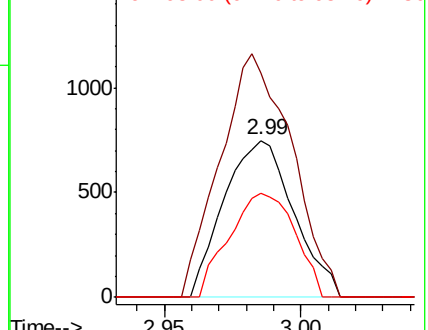
96 100

61 142.9 103.2 191.6

98 66.0 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 179.20 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026551.D

Acq: 05 Sep 2018 18:55

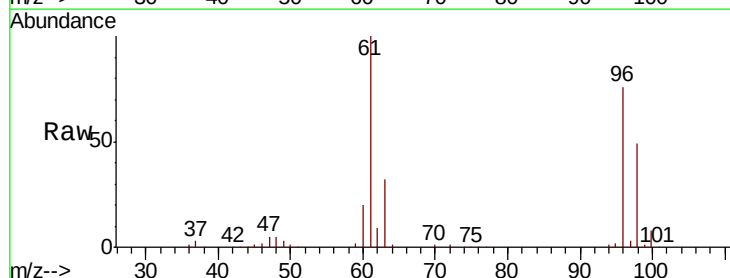
Tgt Ion: 96 Resp: 195806

Ion Ratio Lower Upper

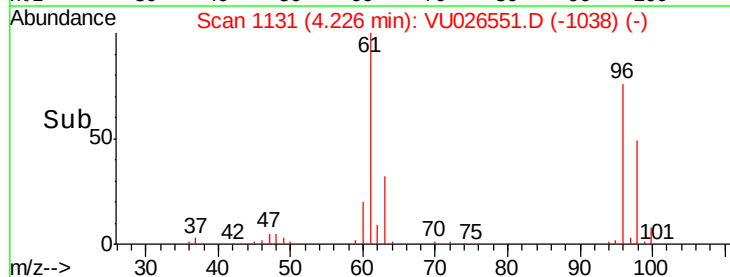
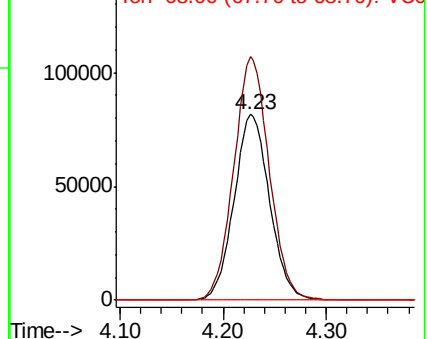
96 100

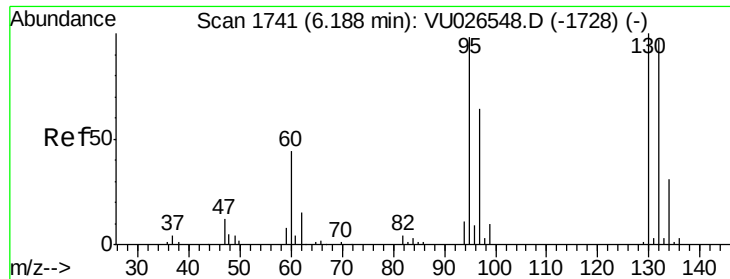
61 131.3 91.6 170.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 38.80 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026551.D

Acq: 05 Sep 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

BEE22

Tot Ion: 95 Resp: 37671

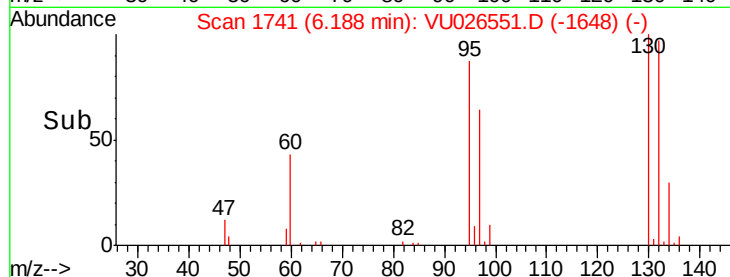
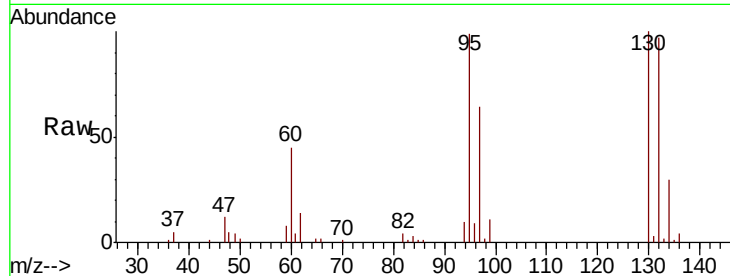
Ion Ratio Lower Upper

95 100

97 64.9 45.1 83.7

132 97.9 67.5 125.3

130 101.4 69.3 128.7



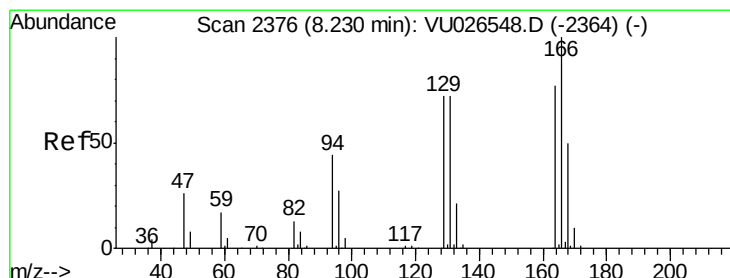
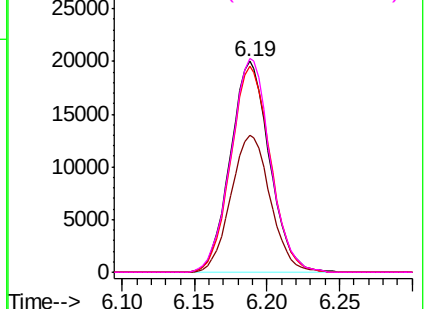
Abundance

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: 9.10 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026551.D

Acq: 05 Sep 2018 18:55

Tgt Ion: 164 Resp: 7220

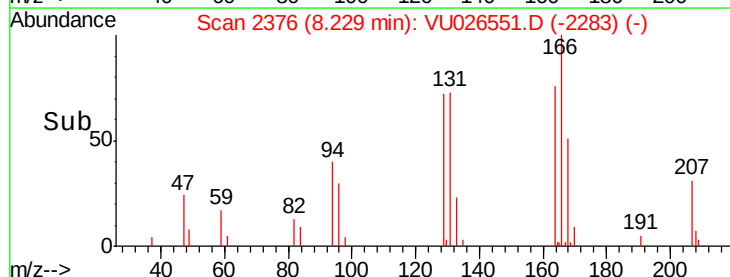
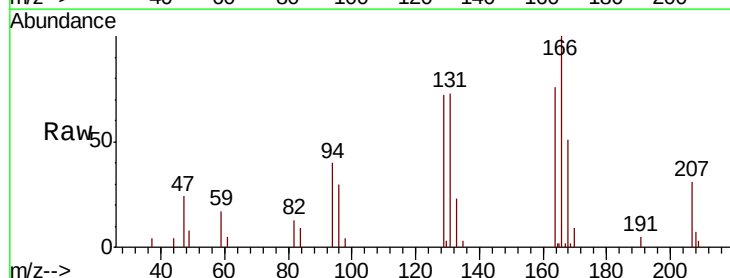
Ion Ratio Lower Upper

164 100

129 95.3 67.3 125.1

131 92.8 65.3 121.3

166 127.9 90.9 168.7



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

