

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072619\
 Data File : VU033452.D
 Acq On : 26 Jul 2019 14:47
 Operator : JC/SP
 Sample : K3976-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CC5

Quant Time: Jul 27 04:21:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 27 01:57:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	258668	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	267272	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	111873	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102501	52.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.70%
7) Chloroethane-d5	1.67	69	93229	55.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.46%
11) 1,1-Dichloroethene-d2	2.26	63	134661	37.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.82%
21) 2-Butanone-d5	4.15	46	139783	112.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.66%
24) Chloroform-d	4.62	84	172968	52.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.42%
26) 1,2-Dichloroethane-d4	5.29	65	118732	56.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.82%
32) Benzene-d6	5.32	84	349156	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.50%
36) 1,2-Dichloropropane-d6	6.31	67	115973	55.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.44%
41) Toluene-d8	7.55	98	309672	50.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.16%
43) trans-1,3-Dichloropropene-	7.83	79	51712	50.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.42%
47) 2-Hexanone-d5	8.29	63	95592	100.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.96%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	172501	54.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.52%
64) 1,2-Dichlorobenzene-d4	11.85	152	119541	59.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.84%

Target Compounds

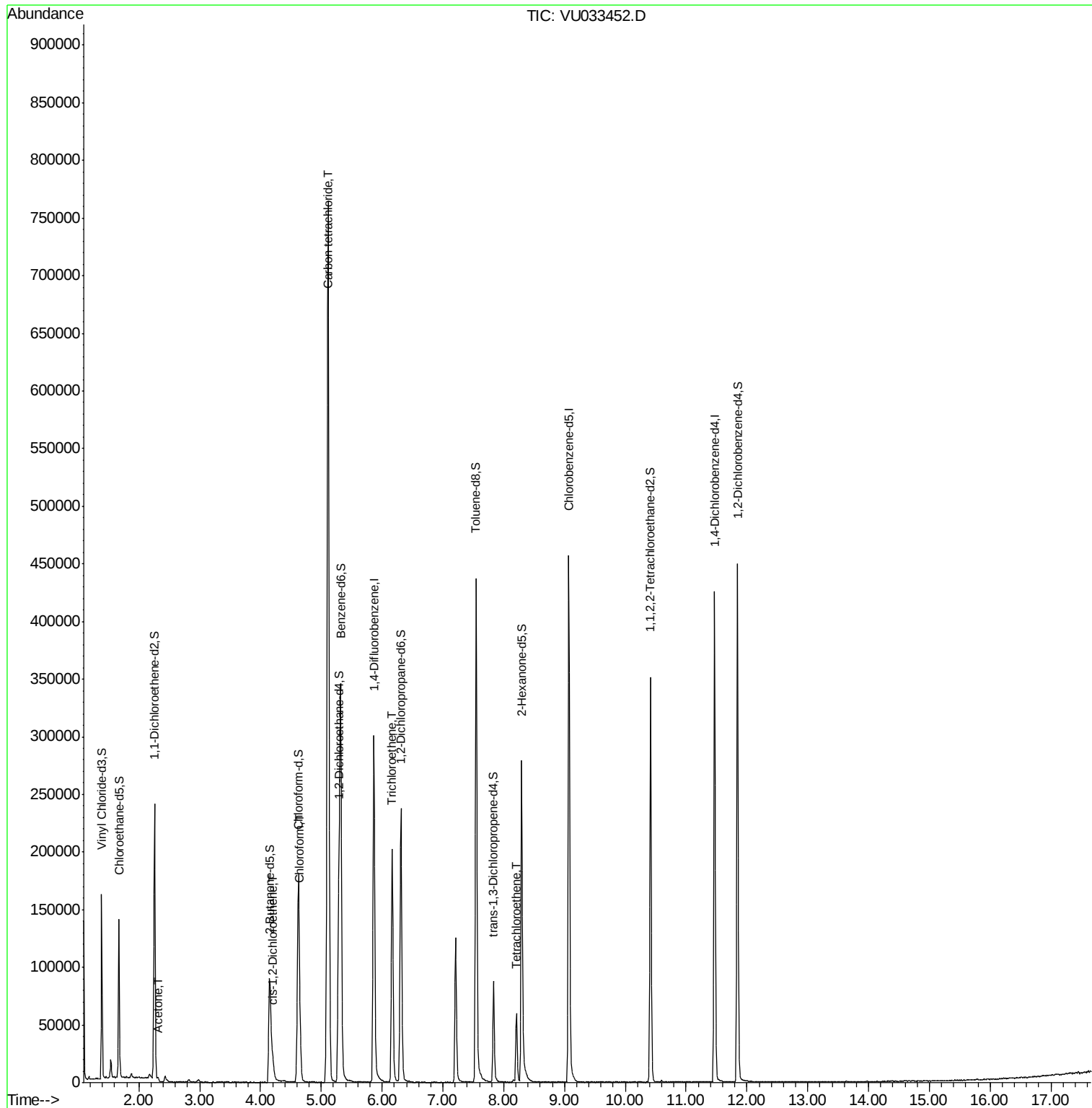
					Ovalue
13) Acetone	2.31	43	2037	1.314 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	7587	3.770 ug/L	93
25) Chloroform	4.65	83	32735	8.973 ug/L	94
31) Carbon tetrachloride	5.11	117	549050	201.209 ug/L	99
34) Trichloroethene	6.16	95	69929	34.305 ug/L	95
46) Tetrachloroethene	8.21	164	13309	8.434 ug/L	96

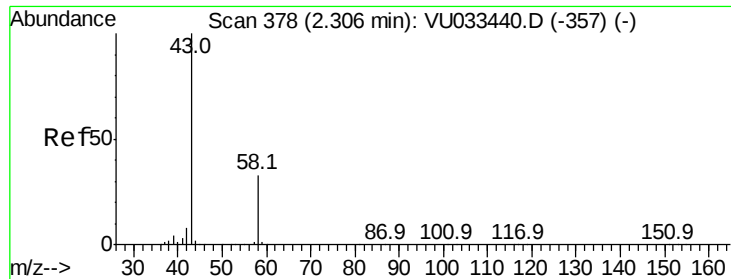
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 27 01:57:42 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1.314 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033452.D

Acq: 26 Jul 2019 14:47

Instrument :

MSVOA_U

ClientSampled :

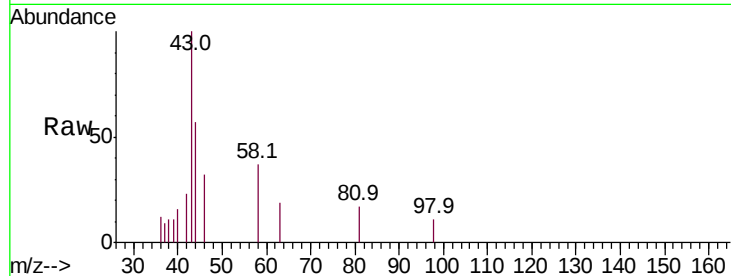
C0CC5

Tot Ion: 43 Resp: 2037

Ion Ratio Lower Upper

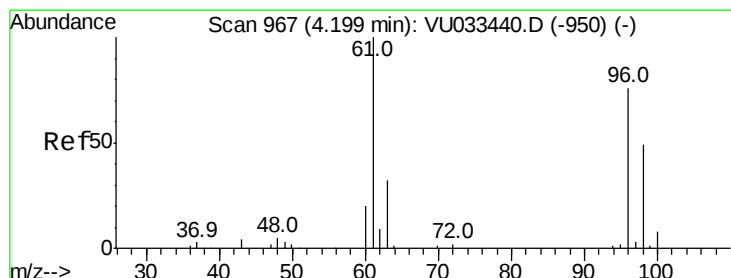
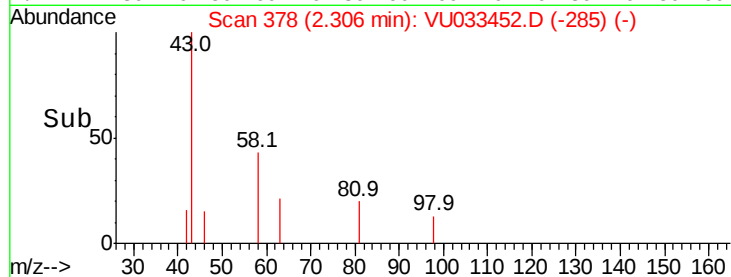
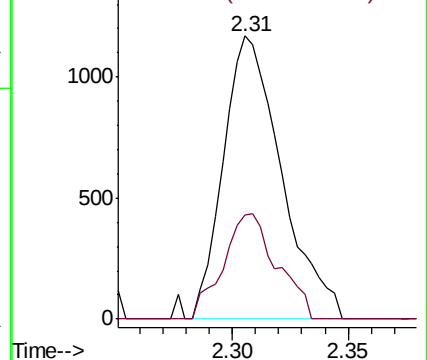
43 100

58 34.2 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 3.770 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU033452.D

Acq: 26 Jul 2019 14:47

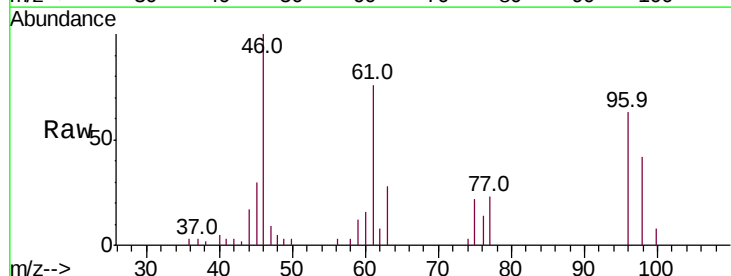
Tgt Ion: 96 Resp: 7587

Ion Ratio Lower Upper

96 100

61 121.4 91.1 169.1

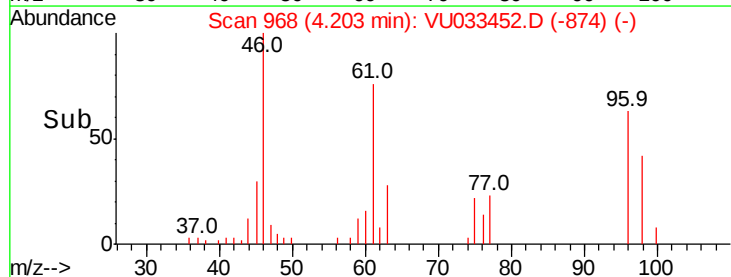
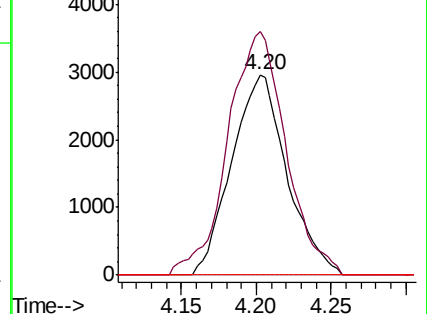
68 0.0 0.0 0.0

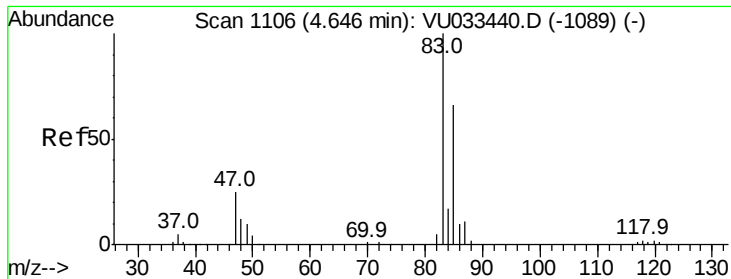


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#25

Chloroform

Concen: 8.973 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU033452.D

Acq: 26 Jul 2019 14:47

Instrument :

MSVOA_U

ClientSampleId :

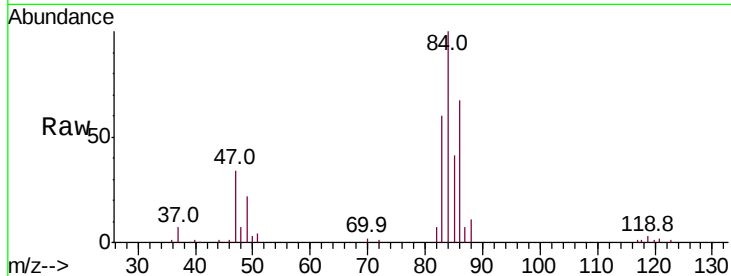
C0CC5

Tot Ion: 83 Resp: 32735

Ion Ratio Lower Upper

83 100

85 69.2 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU033440.D (-1089) (-)

Ion 85.00 (84.70 to 85.70): VU033440.D (-1089) (-)

4.65

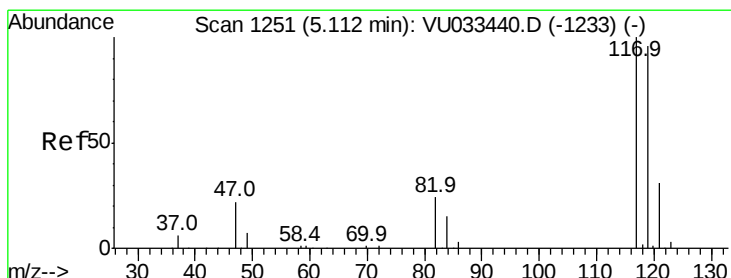
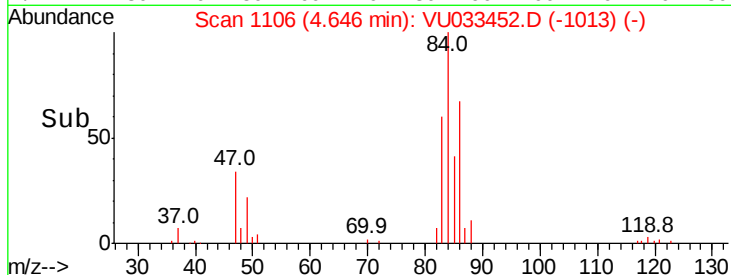
15000

10000

5000

0

Time-->



#31

Carbon tetrachloride

Concen: 201.209 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033452.D

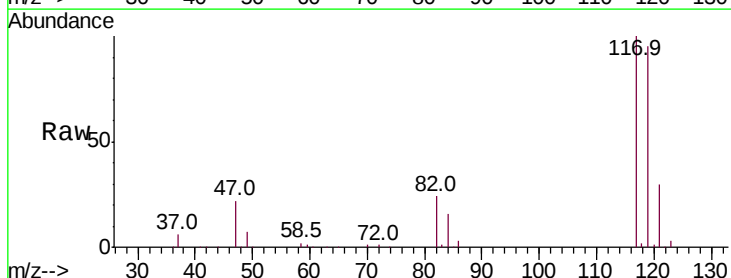
Acq: 26 Jul 2019 14:47

Tgt Ion: 117 Resp: 549050

Ion Ratio Lower Upper

117 100

119 96.7 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): VU033440.D (-1233) (-)

Ion 119.00 (118.70 to 119.70): VU033440.D (-1233) (-)

5.11

250000

200000

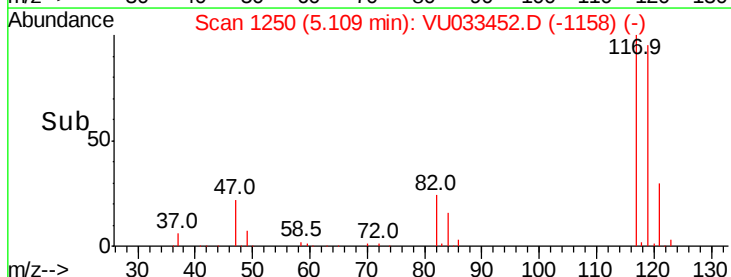
150000

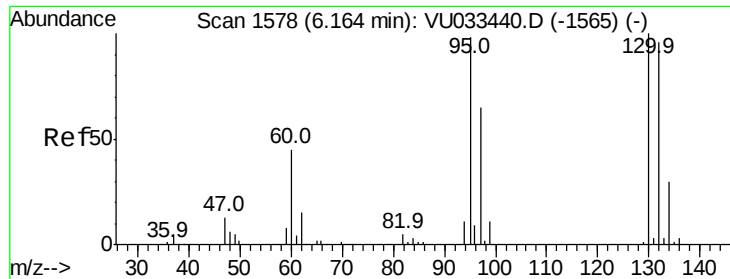
100000

50000

0

Time-->





#34

Trichloroethene

Concen: 34.305 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033452.D

Acq: 26 Jul 2019 14:47

Instrument :

MSVOA_U

ClientSampled :

C0CC5

Tot Ion: 95 Resp: 69929

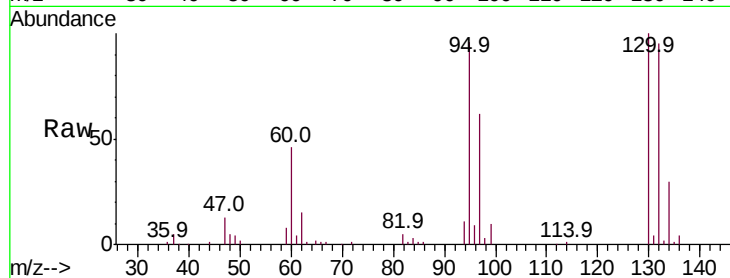
Ion Ratio Lower Upper

95 100

97 64.4 43.8 81.4

132 99.2 65.5 121.6

130 104.3 69.7 129.5

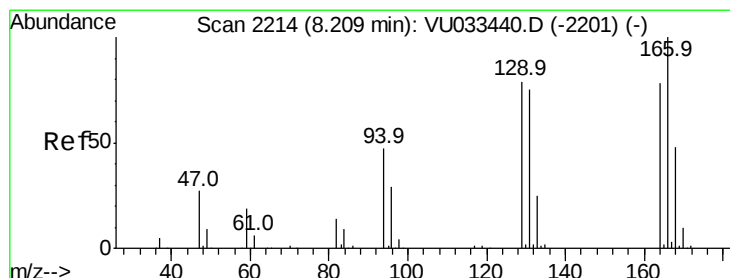
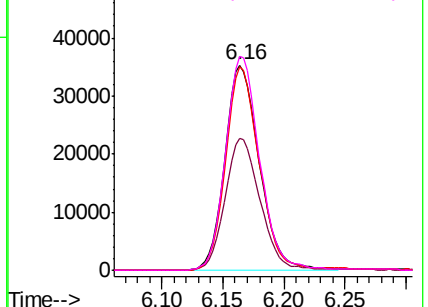
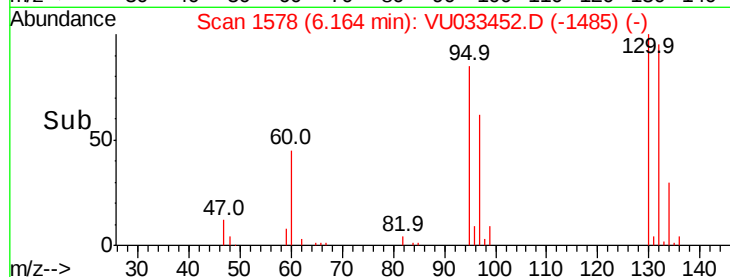


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 8.434 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033452.D

Acq: 26 Jul 2019 14:47

Tgt Ion:164 Resp: 13309

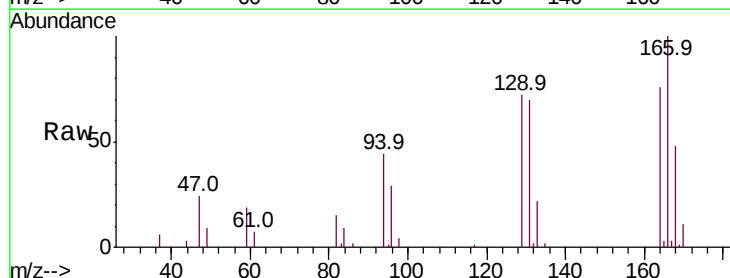
Ion Ratio Lower Upper

164 100

129 95.4 69.6 129.2

131 92.0 65.7 122.1

166 131.9 88.5 164.4



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

