

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072619\
 Data File : VU033451.D
 Acq On : 26 Jul 2019 14:24
 Operator : JC/SP
 Sample : K3976-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CA5

Quant Time: Jul 27 04:15:06 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	256141	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	267062	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	113474	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	101941	52.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.14%
7) Chloroethane-d5	1.67	69	94071	56.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.58%
11) 1,1-Dichloroethene-d2	2.26	63	138722	39.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.88%
21) 2-Butanone-d5	4.15	46	143973	117.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.19%
24) Chloroform-d	4.62	84	169903	52.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.58%
26) 1,2-Dichloroethane-d4	5.29	65	120281	57.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.42%
32) Benzene-d6	5.32	84	349746	53.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.76%
36) 1,2-Dichloropropane-d6	6.31	67	116416	55.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.94%
41) Toluene-d8	7.55	98	312283	50.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.10%
43) trans-1,3-Dichloropropene-	7.83	79	53044	51.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.08%
47) 2-Hexanone-d5	8.30	63	100272	105.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.98%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	176380	55.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.06%
64) 1,2-Dichlorobenzene-d4	11.85	152	120333	59.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.92%

Target Compounds

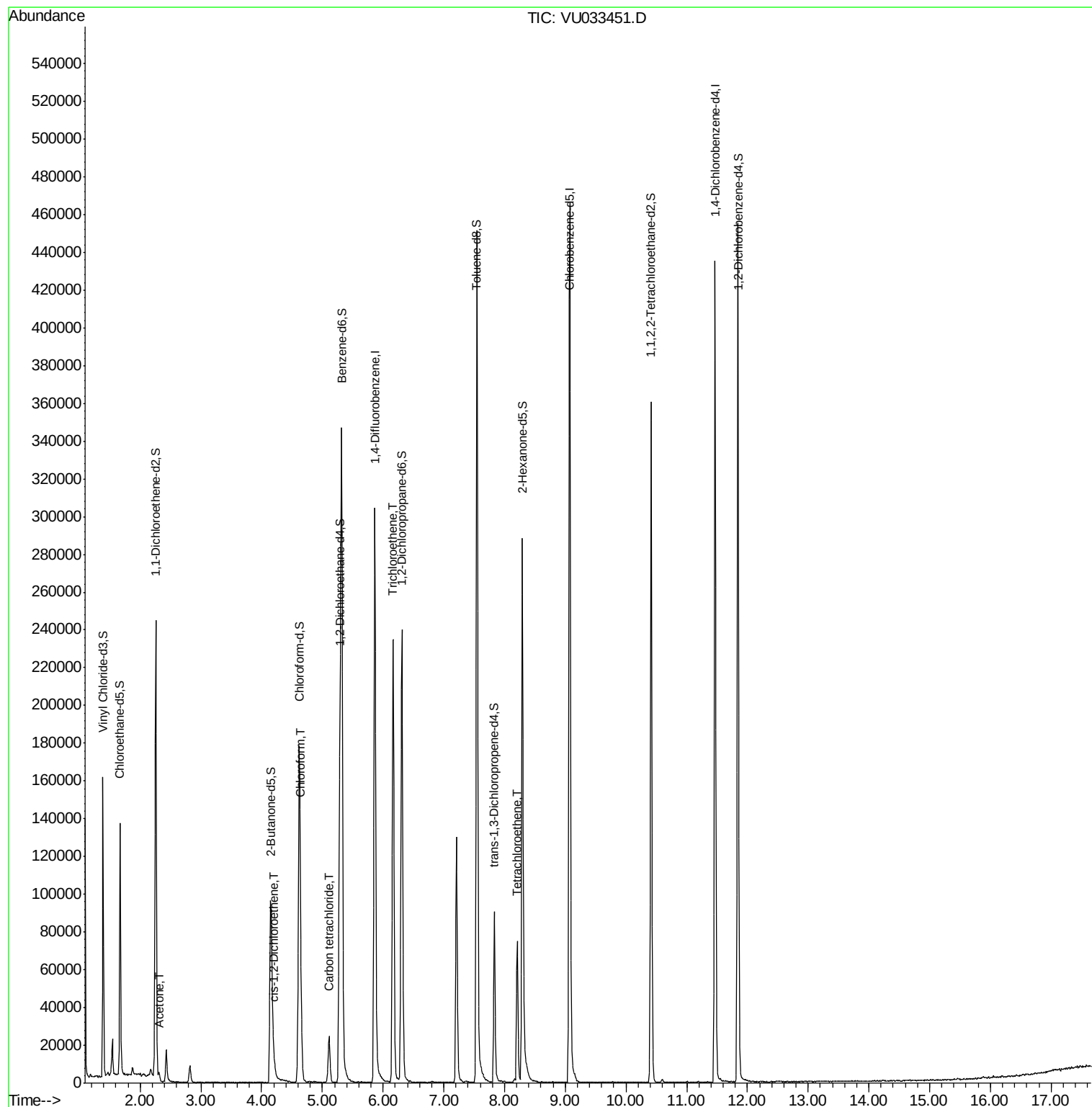
					Ovalue
13) Acetone	2.31	43	3086	2.010 ug/L	95
20) cis-1,2-Dichloroethene	4.21	96	2348	1.178 ug/L	86
25) Chloroform	4.65	83	25437	7.042 ug/L	98
31) Carbon tetrachloride	5.11	117	17523	6.427 ug/L	99
34) Trichloroethene	6.16	95	82429	40.469 ug/L	99
46) Tetrachloroethene	8.21	164	16743	10.618 ug/L	98

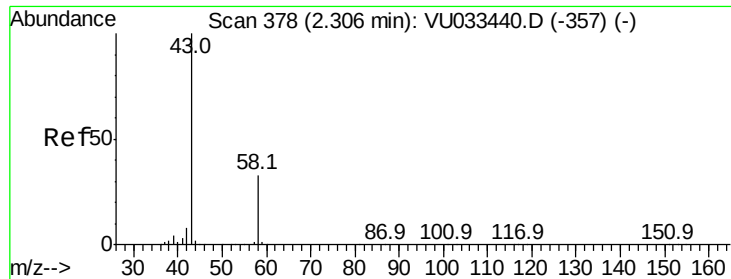
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 2.010 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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Acq: 26 Jul 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

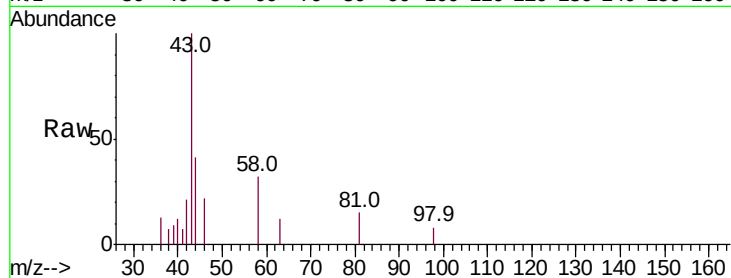
C0CA5

Tot Ion: 43 Resp: 3086

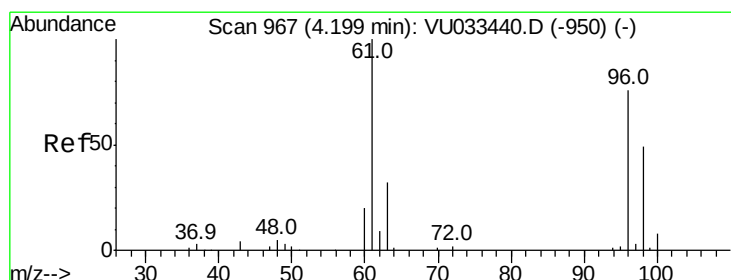
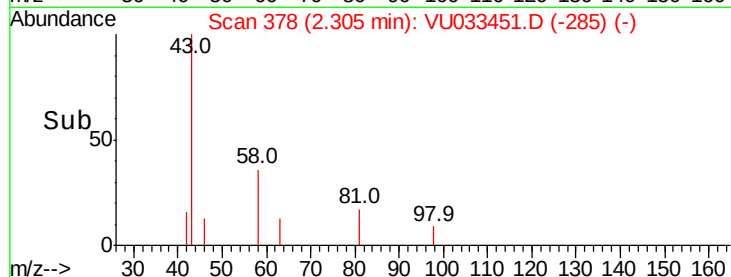
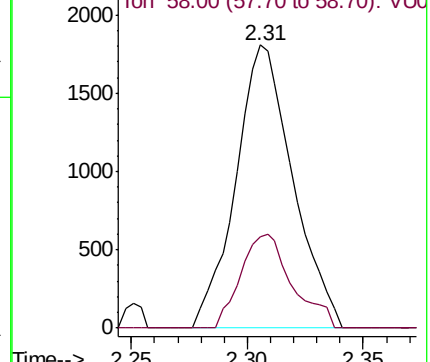
Ion Ratio Lower Upper

43 100

58 29.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033440.D (-357) (-)



#20

cis-1,2-Dichloroethene

Concen: 1.178 ug/L

RT: 4.21 min Scan# 970

Delta R.T. 0.01 min

Lab File: VU033451.D

Acq: 26 Jul 2019 14:24

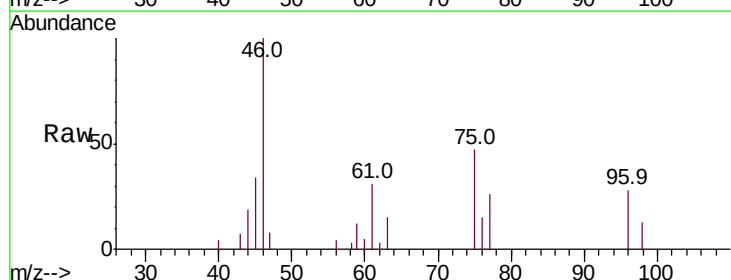
Tgt Ion: 96 Resp: 2348

Ion Ratio Lower Upper

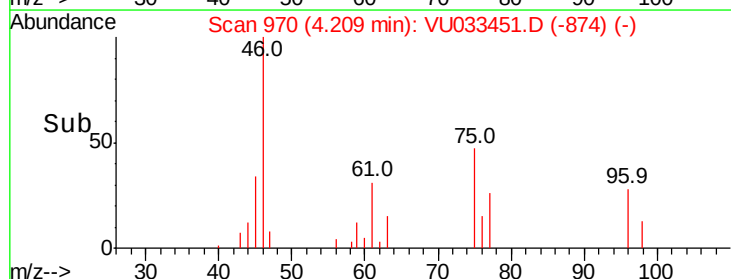
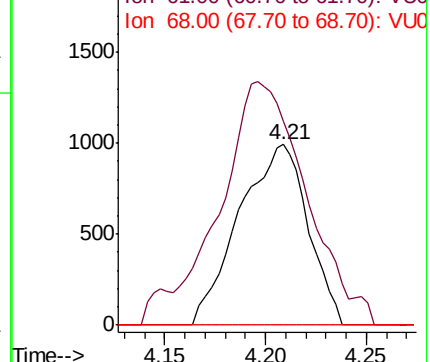
96 100

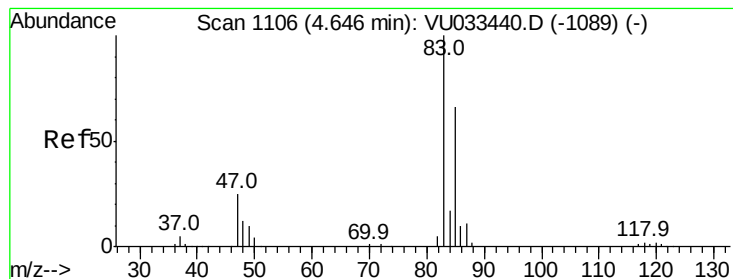
61 113.3 91.1 169.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033440.D (-950) (-)





#25

Chloroform

Concen: 7.042 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033451.D

Acq: 26 Jul 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

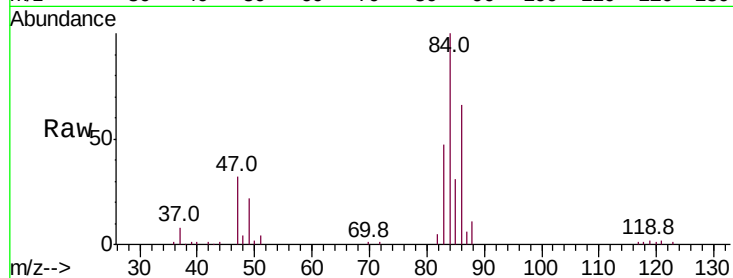
C0CA5

Tot Ion: 83 Resp: 25437

Ion Ratio Lower Upper

83 100

85 66.5 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

10000

8000

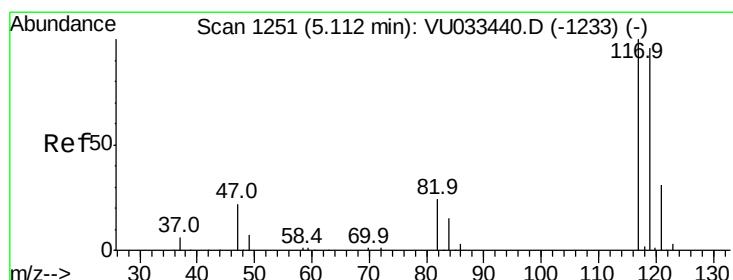
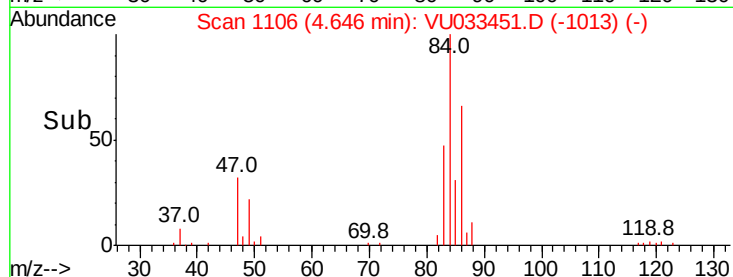
6000

4000

2000

0

Time-->



#31

Carbon tetrachloride

Concen: 6.427 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033451.D

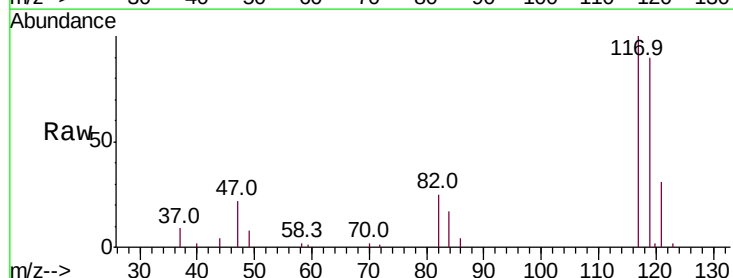
Acq: 26 Jul 2019 14:24

Tgt Ion: 117 Resp: 17523

Ion Ratio Lower Upper

117 100

119 94.8 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

8000

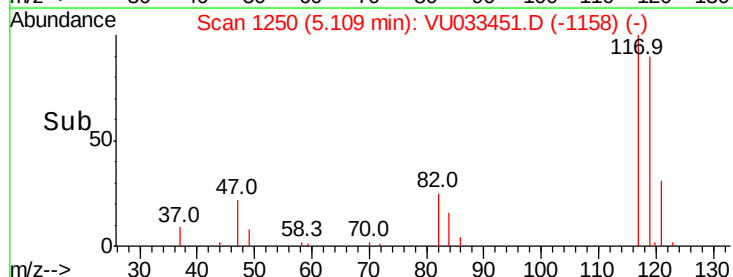
6000

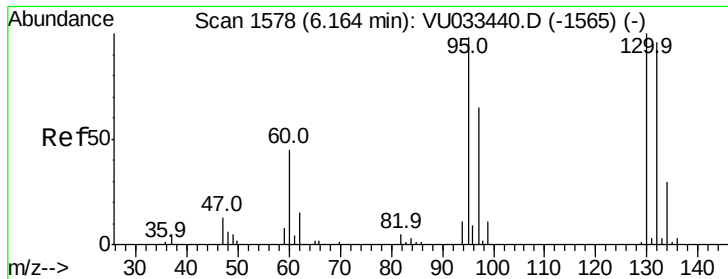
4000

2000

0

Time-->





#34

Trichloroethene

Concen: 40.469 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033451.D

Acq: 26 Jul 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

C0CA5

Tot Ion: 95 Resp: 82429

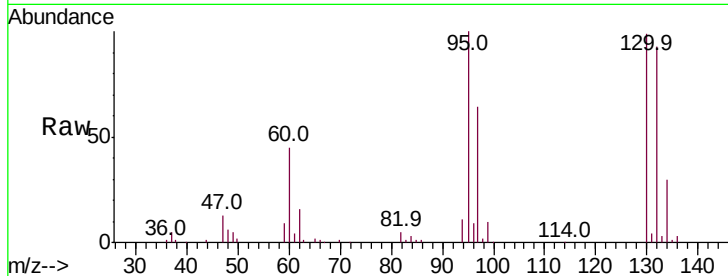
Ion Ratio Lower Upper

95 100

97 63.7 43.8 81.4

132 93.3 65.5 121.6

130 99.0 69.7 129.5

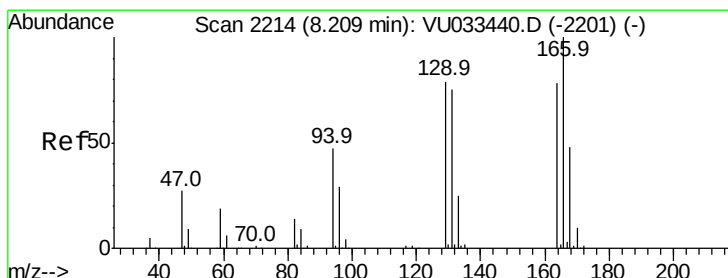
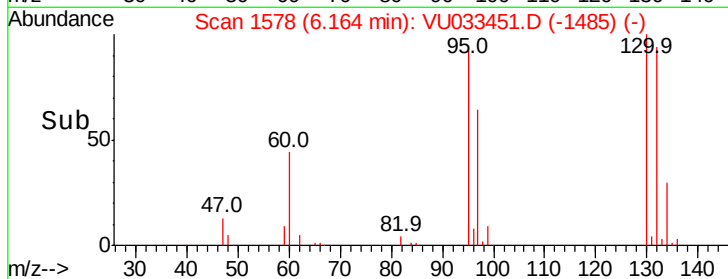
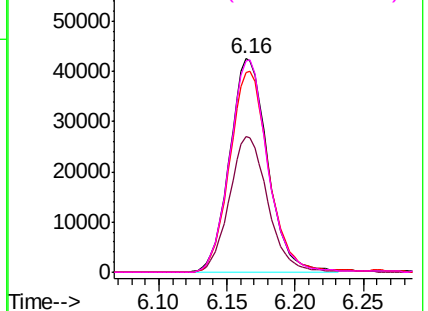


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 10.618 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033451.D

Acq: 26 Jul 2019 14:24

Tgt Ion:164 Resp: 16743

Ion Ratio Lower Upper

164 100

129 101.4 69.6 129.2

131 93.2 65.7 122.1

166 130.8 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

