

Data File : VU033523.D
Acq On : 31 Jul 2019 14:11
Operator : JC/SP
Sample : K4103-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB9F0

Quant Time: Aug 01 07:25:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	293120	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	292628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	136495	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	109857	51.55	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	103.10%		
7) Chloroethane-d5	1.67	69	94504	51.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.36%		
11) 1,1-Dichloroethene-d2	2.26	63	147525	38.14	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.28%		
21) 2-Butanone-d5	4.15	46	155191	109.94	ug/L	-0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.94%		
24) Chloroform-d	4.62	84	187091	52.37	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.74%		
26) 1,2-Dichloroethane-d4	5.29	65	124595	55.07	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	110.14%		
32) Benzene-d6	5.32	84	390565	53.84	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.68%		
36) 1,2-Dichloropropane-d6	6.31	67	126866	55.79	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	111.58%		
41) Toluene-d8	7.55	98	349338	51.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.78%		
43) trans-1,3-Dichloropropene-	7.83	79	57730	51.18	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	102.36%		
47) 2-Hexanone-d5	8.29	63	113543	105.17	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.17%		
57) 1,1,2,2-Tetrachloroethane-	10.41	84	186655	53.23	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	106.46%		
64) 1,2-Dichlorobenzene-d4	11.85	152	140633	56.26	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	112.52%		

Target Compounds

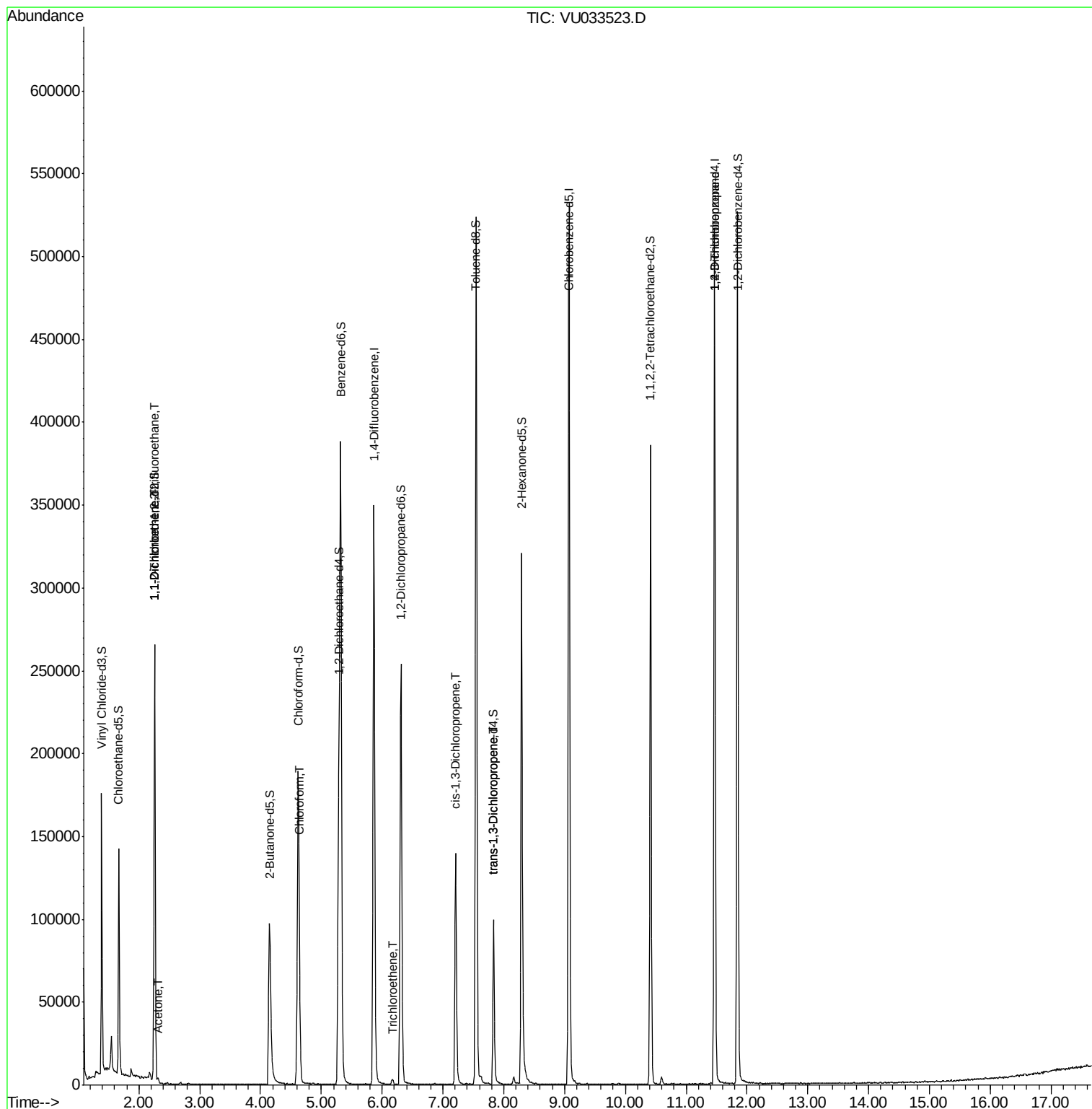
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1438	0.726 ug/L #	19
12) 1,1-Dichloroethene	2.26	96	1488	0.784 ug/L #	1
13) Acetone	2.31	43	1798	1.245 ug/L	90
25) Chloroform	4.65	83	6793	1.729 ug/L	99
34) Trichloroethene	6.17	95	1101	0.494 ug/L	89
39) cis-1,3-Dichloropropene	7.21	75	3673	1.041 ug/L #	75
44) trans-1,3-Dichloropropene	7.83	75	2539	0.797 ug/L	92
59) 1,2,3-Trichloropropane	11.47	75	16005	5.366 ug/L	91

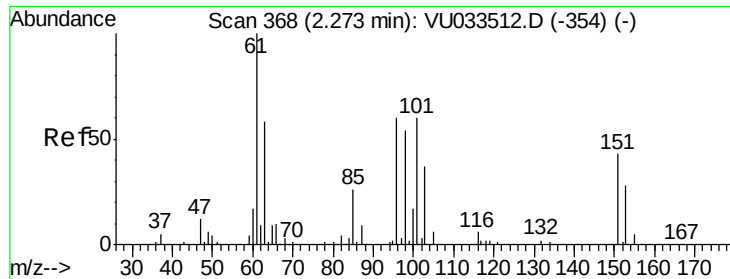
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.726 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

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DB9F0

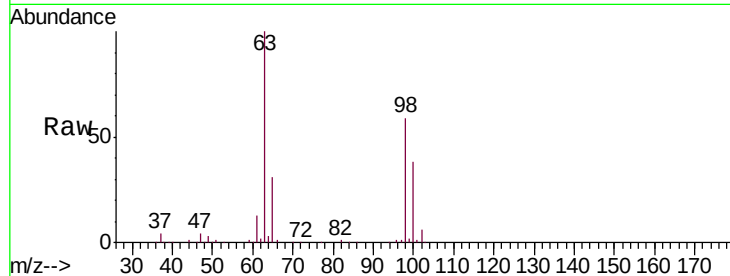
Tgt Ion:101 Resp: 1438

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

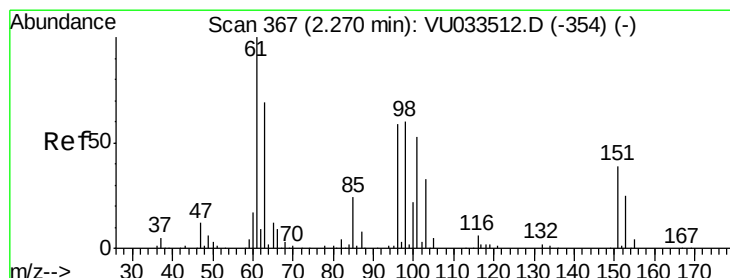
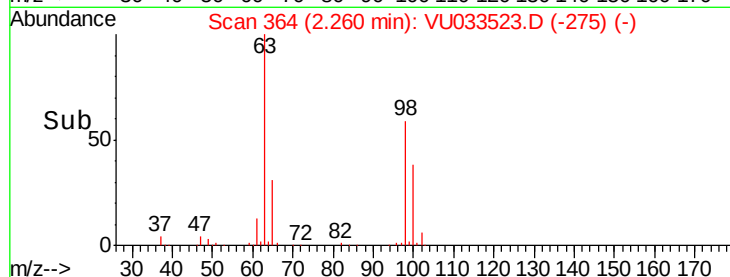
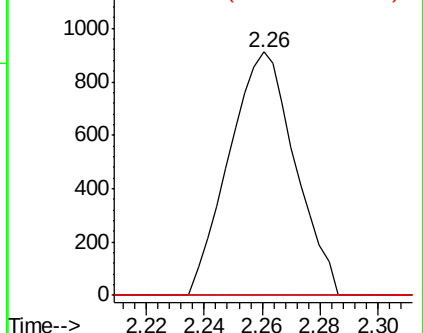
151 0.0 60.1 90.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.784 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033523.D

Acq: 31 Jul 2019 14:11

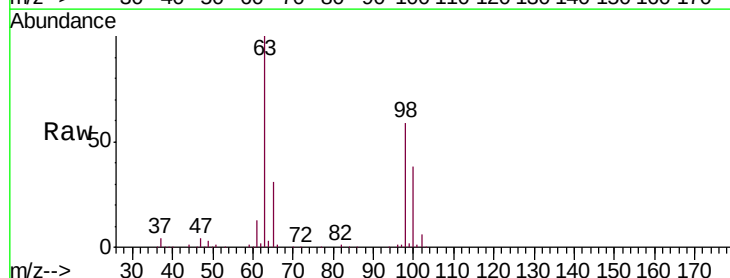
Tgt Ion: 96 Resp: 1488

Ion Ratio Lower Upper

96 100

61 1376.4 119.3 221.5#

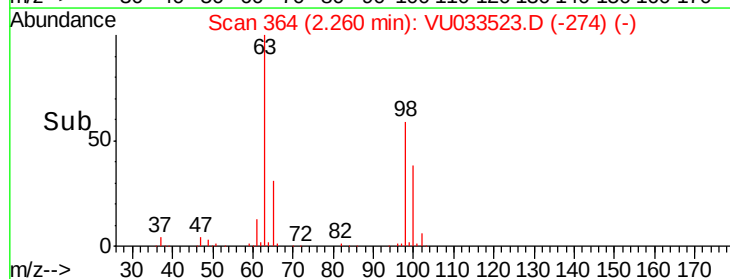
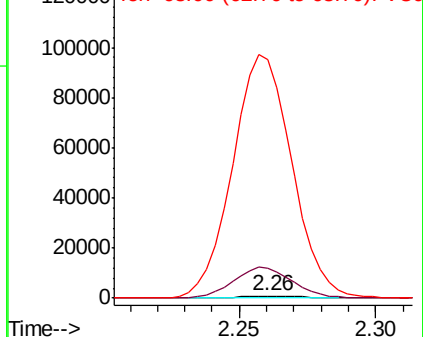
63 10808.2 86.6 160.8#

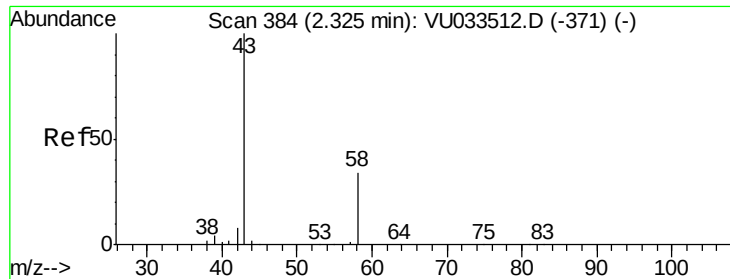


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.245 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

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Acq: 31 Jul 2019 14:11

Instrument :

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ClientSampleId :

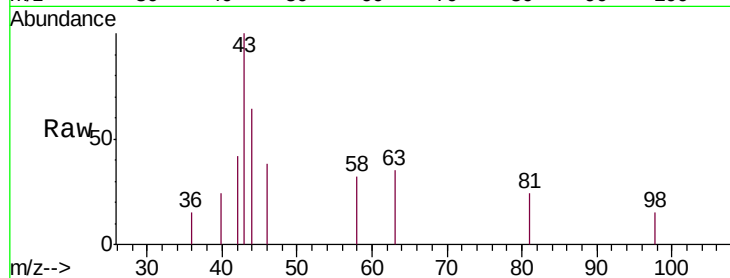
DB9F0

Tgt Ion: 43 Resp: 1798

Ion Ratio Lower Upper

43 100

58 27.3 0.0 66.2



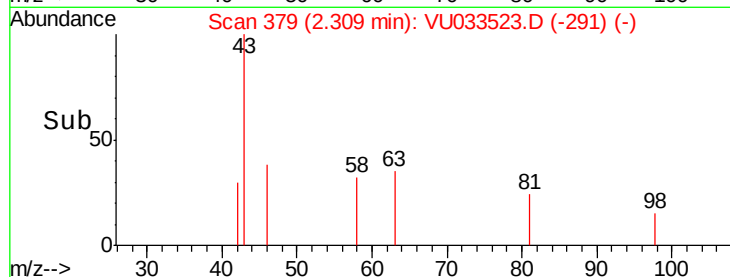
Abundance Ion 43.00 (42.70 to 43.70): VU033523.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU033523.D (-371) (-)

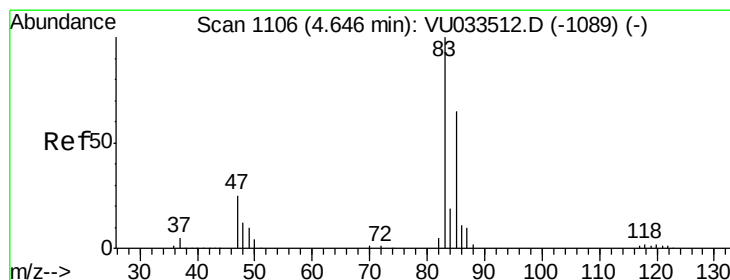
2.31

2.35

Time-->



Time-->



#25

Chloroform

Concen: 1.729 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033523.D

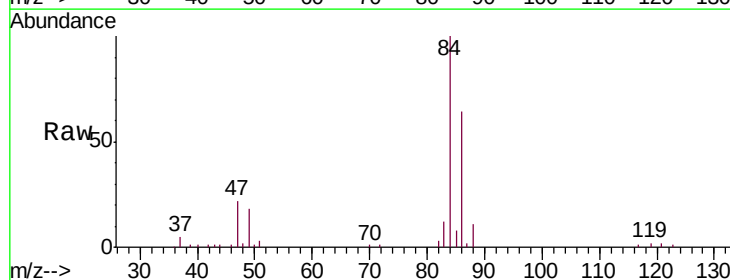
Acq: 31 Jul 2019 14:11

Tgt Ion: 83 Resp: 6793

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.8



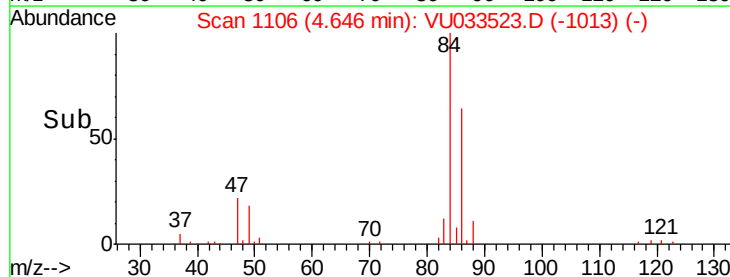
Abundance Ion 83.00 (82.70 to 83.70): VU033523.D (-1013) (-)

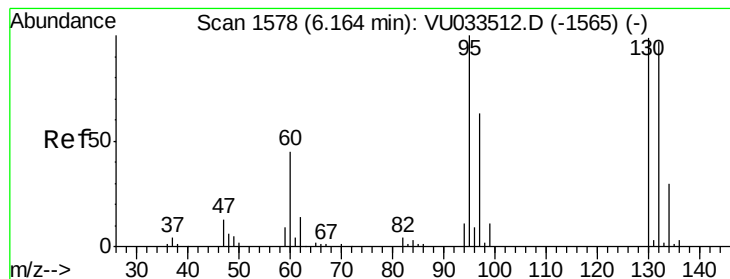
Ion 85.00 (84.70 to 85.70): VU033523.D (-1013) (-)

4.65

4.70

Time-->





#34

Trichloroethene

Concen: 0.494 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033523.D

Acq: 31 Jul 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

DB9F0

Tgt Ion: 95 Resp: 1101

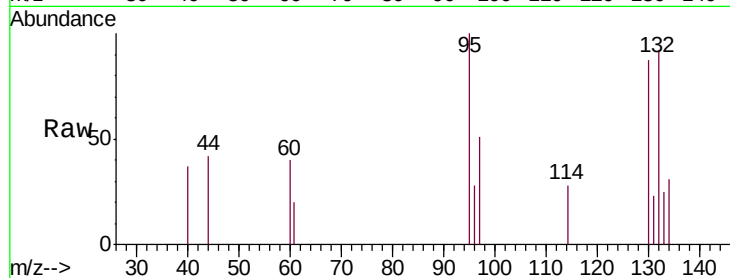
Ion Ratio Lower Upper

95 100

97 50.8 44.7 83.1

132 91.8 66.8 124.0

130 86.9 71.6 133.0

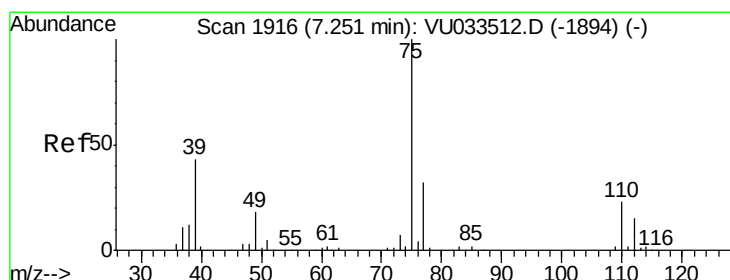
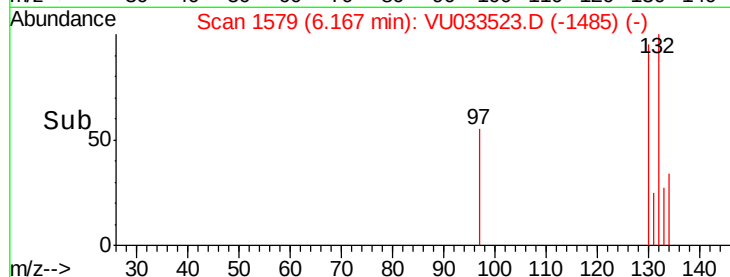
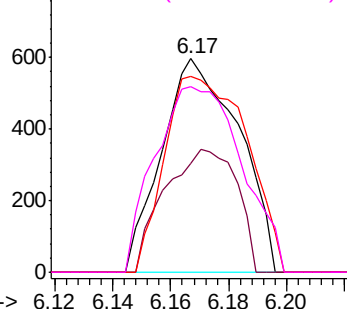


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#39

cis-1,3-Dichloropropene

Concen: 1.041 ug/L

RT: 7.21 min Scan# 1902

Delta R.T. -0.05 min

Lab File: VU033523.D

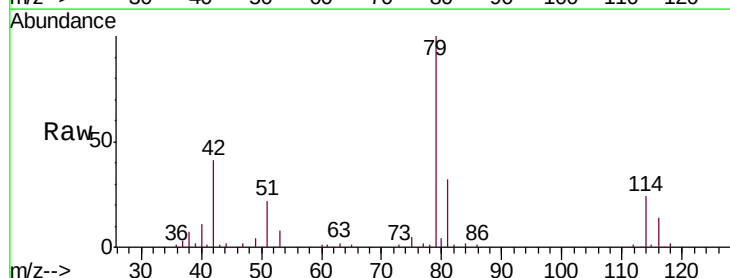
Acq: 31 Jul 2019 14:11

Tgt Ion: 75 Resp: 3673

Ion Ratio Lower Upper

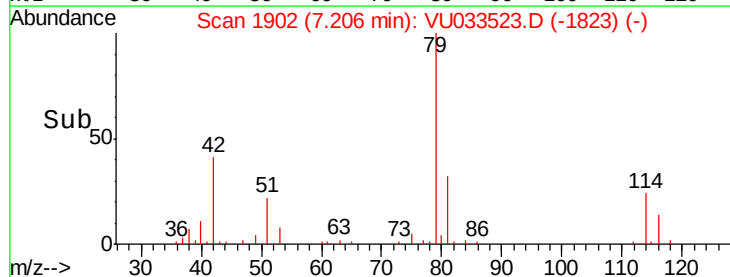
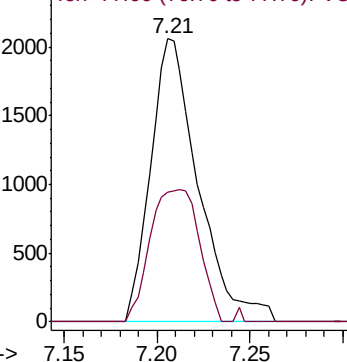
75 100

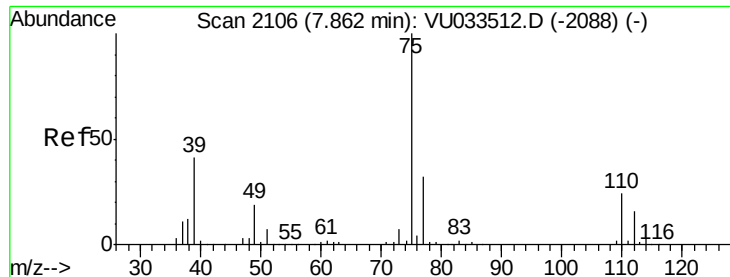
77 45.8 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.797 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033523.D

Acq: 31 Jul 2019 14:11

Instrument :

MSVOA_U

ClientSampleId :

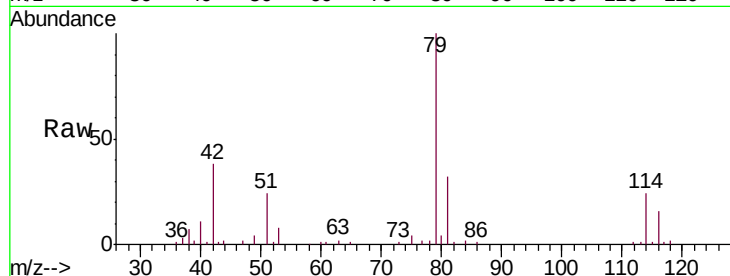
DB9F0

Tgt Ion: 75 Resp: 2539

Ion Ratio Lower Upper

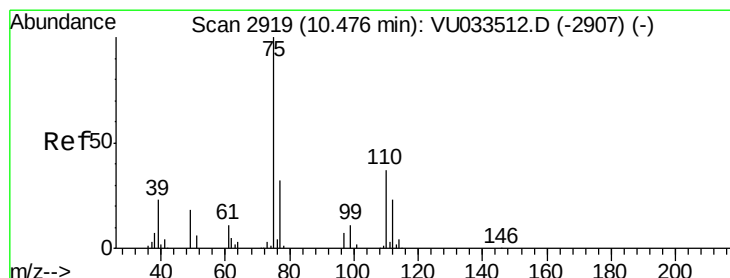
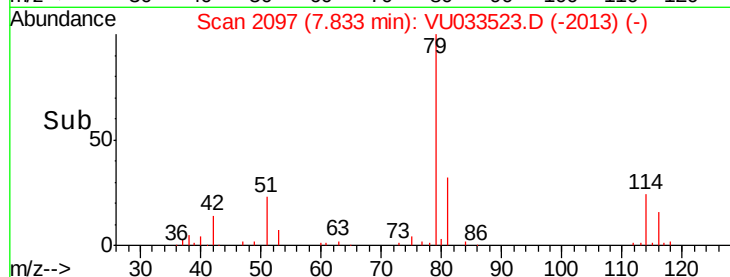
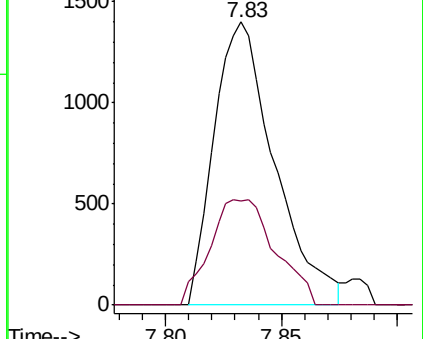
75 100

77 36.9 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.366 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033523.D

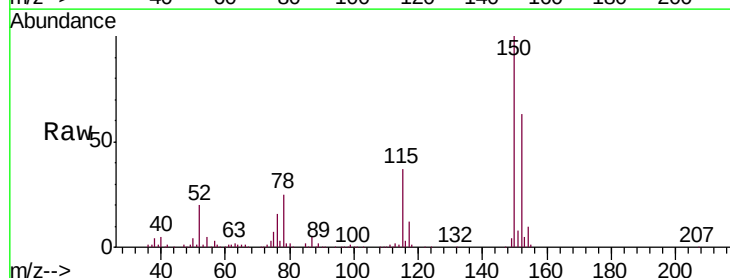
Acq: 31 Jul 2019 14:11

Tgt Ion: 75 Resp: 16005

Ion Ratio Lower Upper

75 100

77 37.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

