

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101419\
 Data File : VU035147.D
 Acq On : 14 Oct 2019 13:58
 Operator : JC/SP
 Sample : K5311-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P0001-SMITH-1101007-01

Quant Time: Oct 15 07:46:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 15 07:04:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	148491	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	157740	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	60065	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44477	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.68	69	42681	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.26	63	67256	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.17	46	139758	54.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.14%
24) Chloroform-d	4.63	84	81868	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.29	65	51267	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.32	84	168571	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.31	67	61527	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.55	98	144345	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	7.84	79	19731	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.30	63	96805	45.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.48%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	51427	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	49873	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

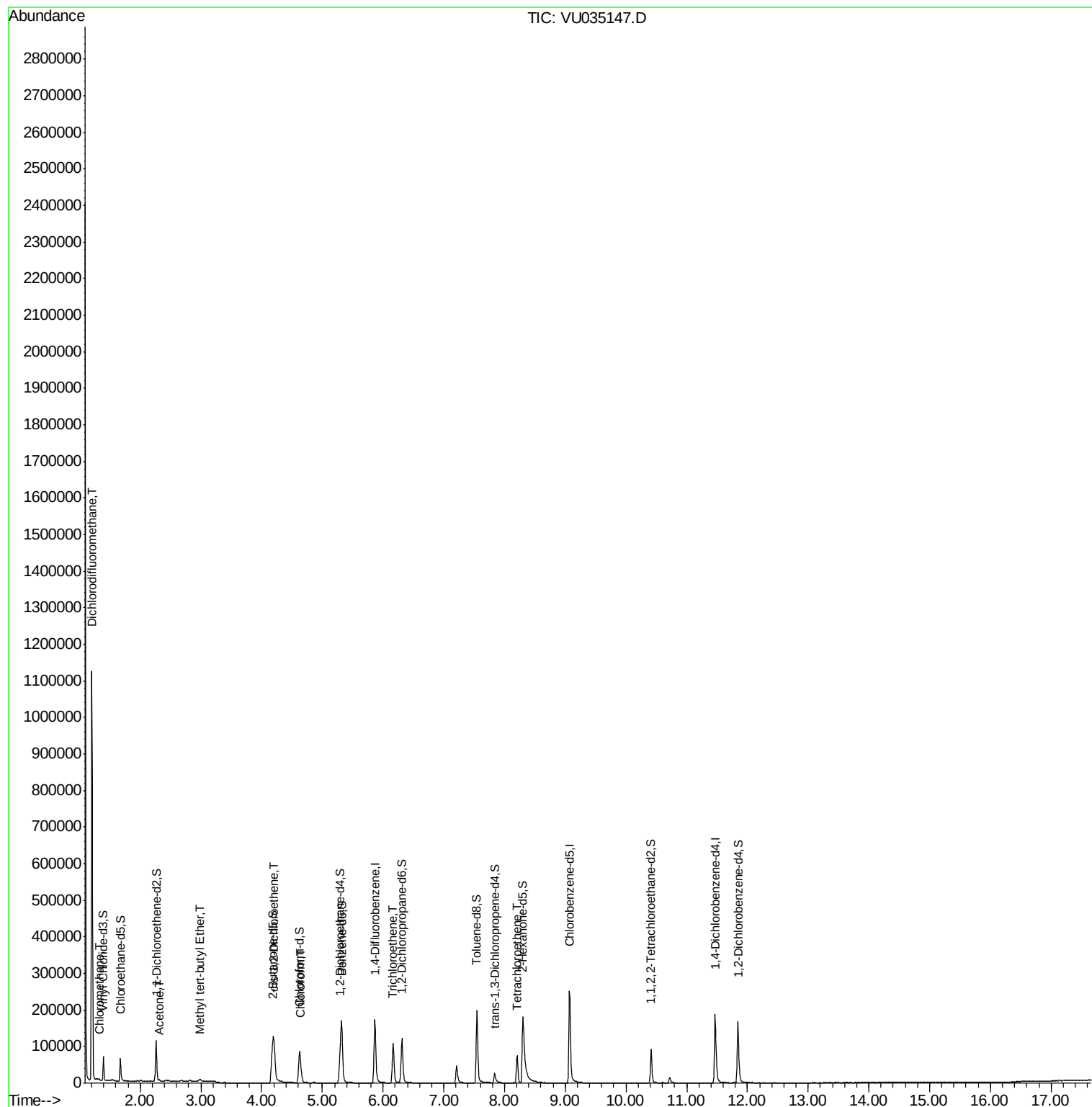
					Ovalue
2) Dichlorodifluoromethane	1.21	85	14113	1.040 ug/L	99
3) Chloromethane	1.32	50	1790	0.120 ug/L	96
13) Acetone	2.31	43	4191	1.980 ug/L	78
17) Methyl tert-butyl Ether	2.99	73	5005	0.192 ug/L #	90
22) cis-1,2-Dichloroethene	4.20	96	57061	5.009 ug/L	92
25) Chloroform	4.65	83	16333	0.716 ug/L	99
34) Trichloroethene	6.16	95	40050	3.268 ug/L	97
47) Tetrachloroethene	8.21	164	16744	1.688 ug/L	98

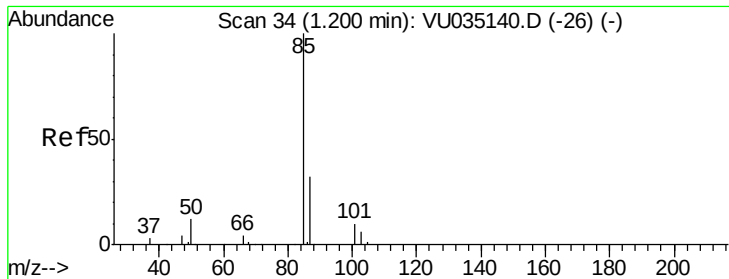
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.040 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.01 min

Lab File: VU035147.D

Acq: 14 Oct 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

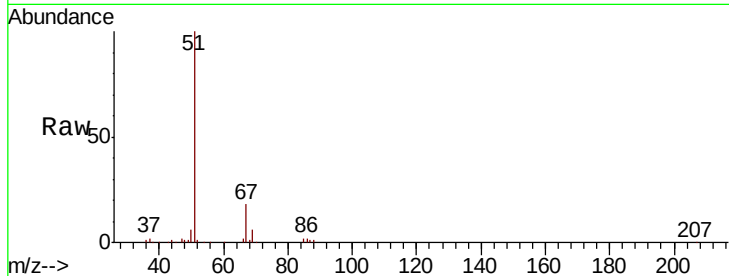
P0001-SMITH-1101007-01

Tot Ion: 85 Resp: 14113

Ion Ratio Lower Upper

85 100

87 33.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU035147.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035147.D (-1) (-)

1.21

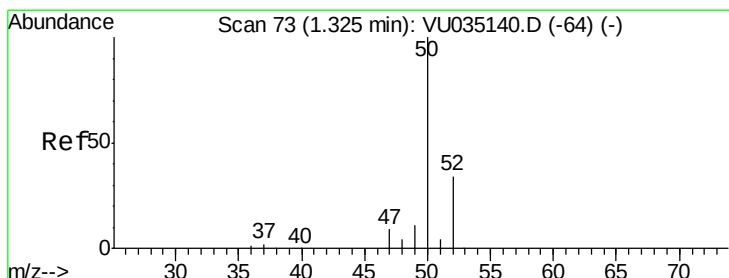
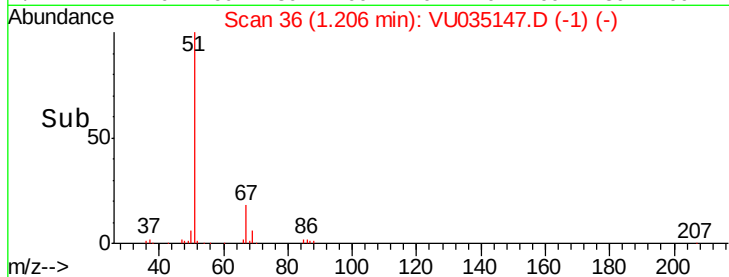
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 0.120 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU035147.D

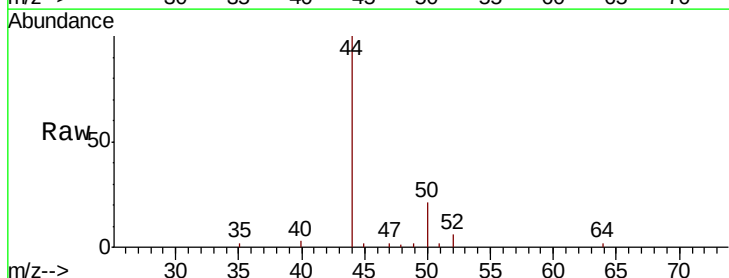
Acq: 14 Oct 2019 13:58

Tgt Ion: 50 Resp: 1790

Ion Ratio Lower Upper

50 100

52 30.8 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035147.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035147.D (-1) (-)

1.32

2000

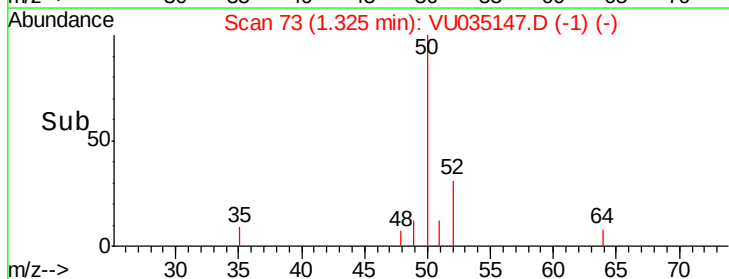
1500

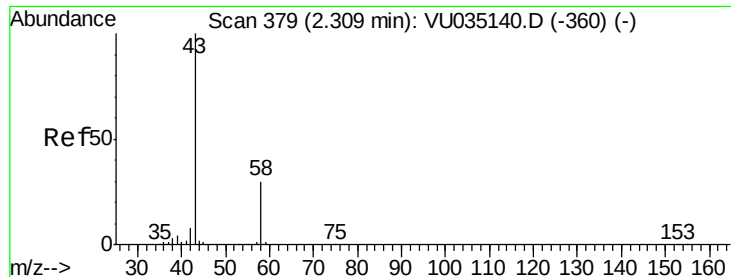
1000

500

0

Time-->





#13

Acetone

Concen: 1.980 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035147.D

Acq: 14 Oct 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

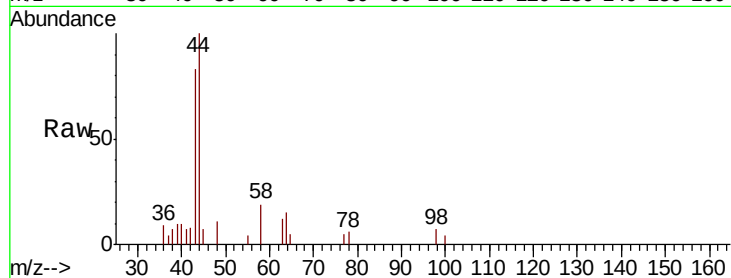
P0001-SMITH-1101007-01

Tot Ion: 43 Resp: 4191

Ion Ratio Lower Upper

43 100

58 20.8 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035140.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU035140.D (-360) (-)

2.31

2500

2000

1500

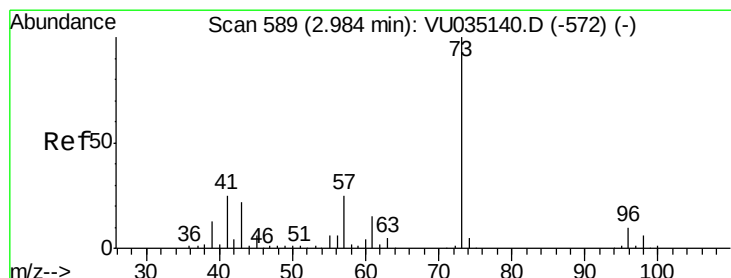
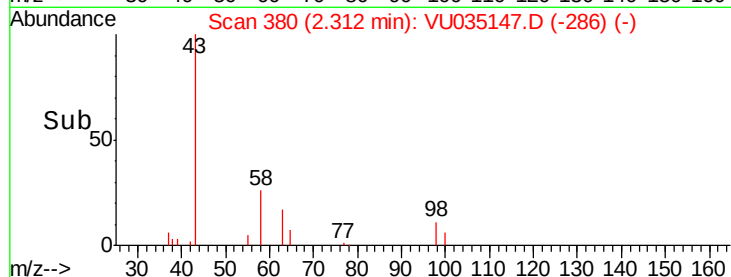
1000

500

0

2.25 2.30 2.35

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.192 ug/L

RT: 2.99 min Scan# 591

Delta R.T. 0.01 min

Lab File: VU035147.D

Acq: 14 Oct 2019 13:58

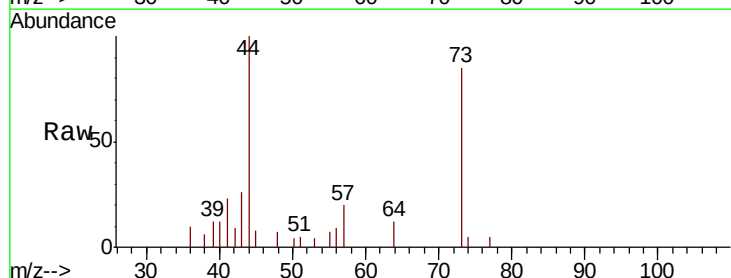
Tgt Ion: 73 Resp: 5005

Ion Ratio Lower Upper

73 100

43 28.6 16.3 24.5#

57 25.2 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU035140.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU035140.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU035140.D (-572) (-)

2.99

3000

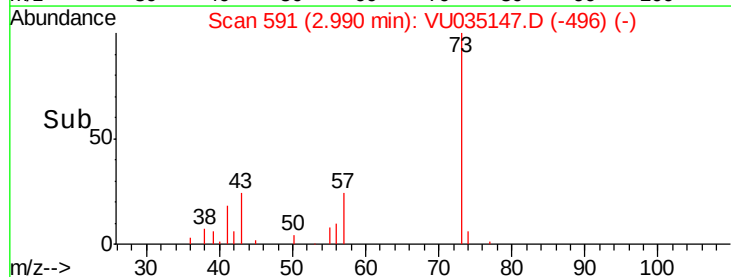
2000

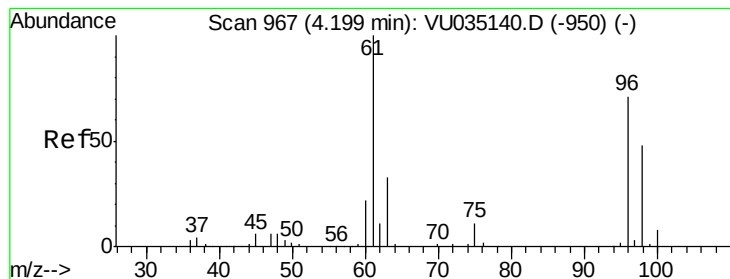
1000

0

2.95 3.00 3.05

Time-->





#22

cis-1,2-Dichloroethene

Concen: 5.009 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU035147.D

Acq: 14 Oct 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

P0001-SMITH-1101007-01

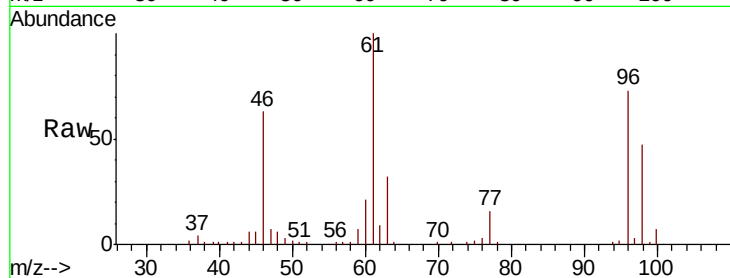
Tot Ion: 96 Resp: 57061

Ion Ratio Lower Upper

96 100

61 136.6 89.2 165.6

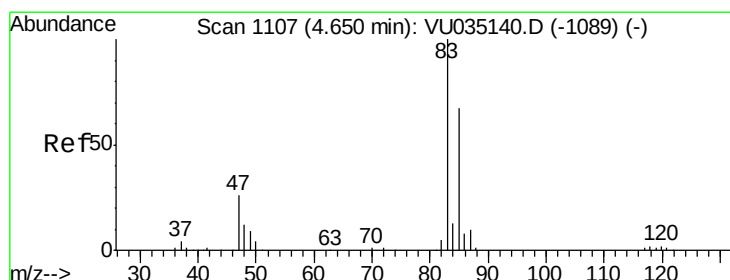
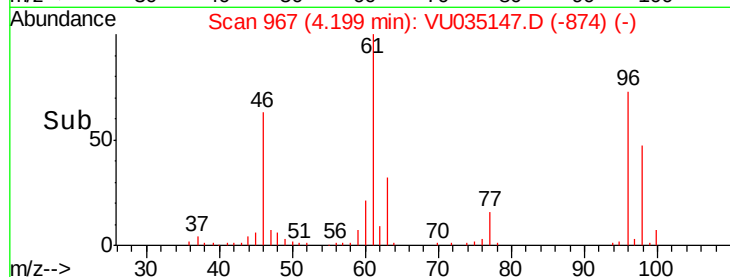
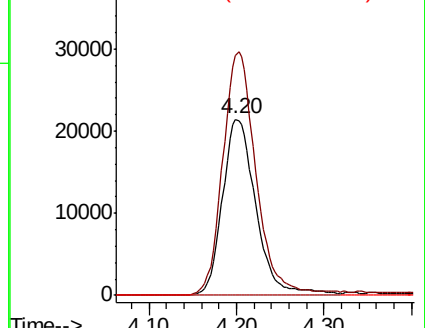
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035147.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VU035147.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VU035147.D (-874) (-)



#25

Chloroform

Concen: 0.716 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU035147.D

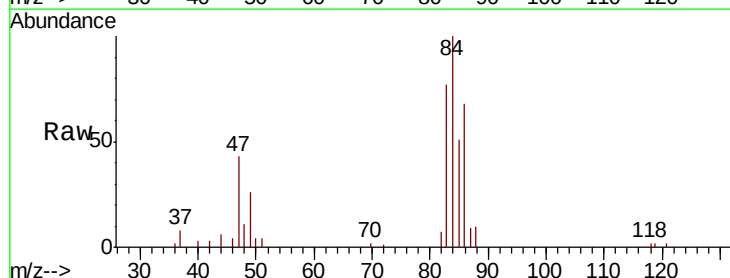
Acq: 14 Oct 2019 13:58

Tgt Ion: 83 Resp: 16333

Ion Ratio Lower Upper

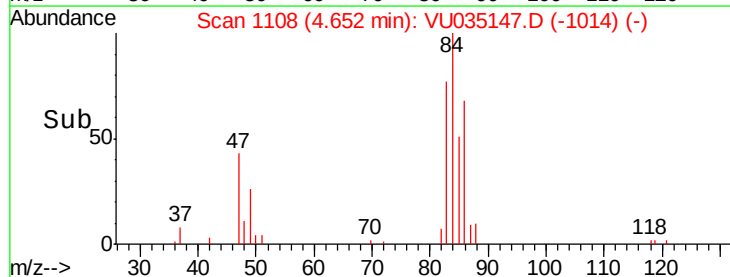
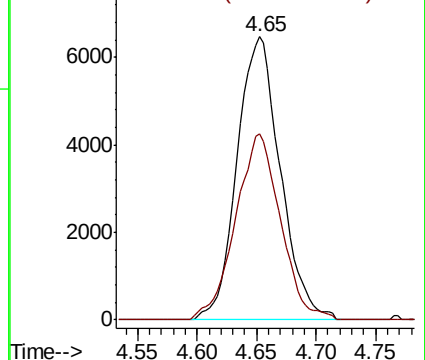
83 100

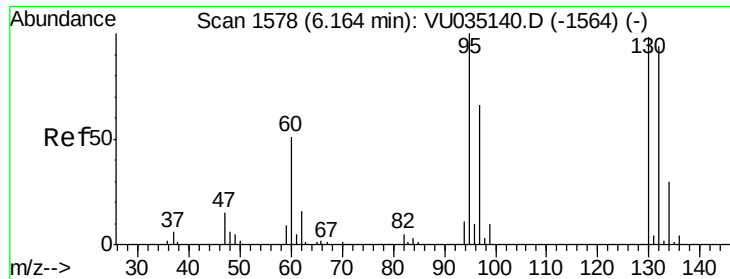
85 65.7 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035147.D (-1014) (-)

Ion 85.00 (84.70 to 85.70): VU035147.D (-1014) (-)





#34

Trichloroethene

Concen: 3.268 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU035147.D

Acq: 14 Oct 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

P0001-SMITH-1101007-01

Tot Ion: 95 Resp: 40050

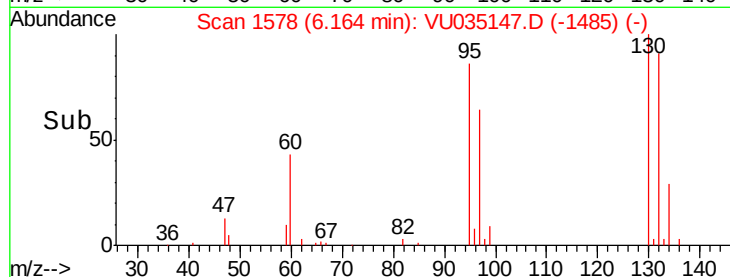
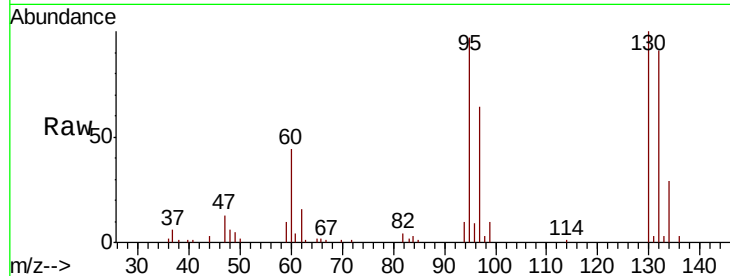
Ion Ratio Lower Upper

95 100

97 65.8 44.5 82.7

132 93.0 66.6 123.8

130 102.7 68.9 127.9



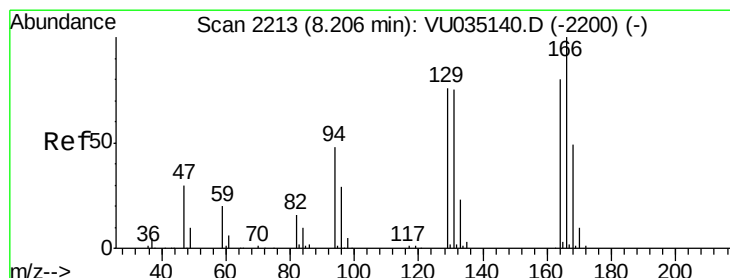
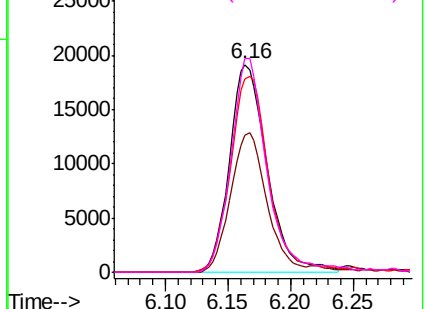
Abundance

Ion 95.00 (94.70 to 95.70): VU035147.D

Ion 96.95 (96.65 to 97.65): VU035147.D

Ion 131.95 (131.65 to 132.65): VU035147.D

Ion 129.95 (129.65 to 130.65): VU035147.D



#47

Tetrachloroethene

Concen: 1.688 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU035147.D

Acq: 14 Oct 2019 13:58

Tgt Ion: 164 Resp: 16744

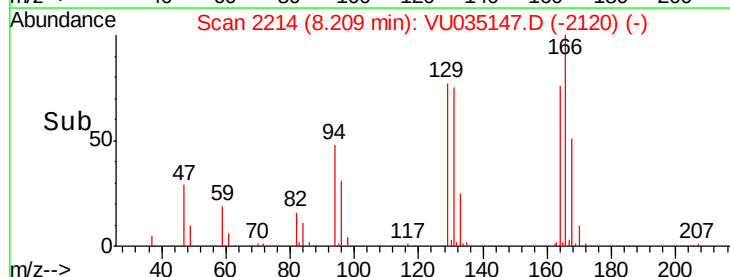
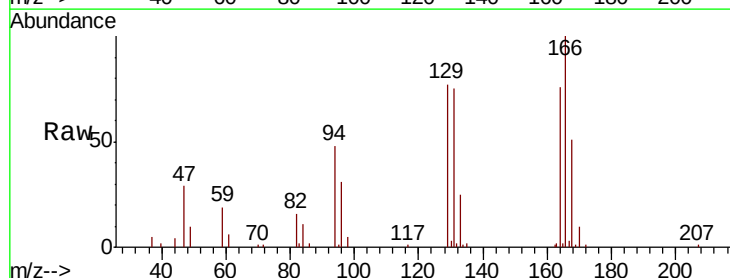
Ion Ratio Lower Upper

164 100

129 101.0 68.5 127.1

131 98.4 67.3 124.9

166 132.0 93.1 172.9



Abundance

Ion 163.90 (163.60 to 164.60): VU035147.D

Ion 128.95 (128.65 to 129.65): VU035147.D

Ion 130.95 (130.65 to 131.65): VU035147.D

Ion 165.90 (165.60 to 166.60): VU035147.D

