

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101419\
 Data File : VU035150.D
 Acq On : 14 Oct 2019 15:10
 Operator : JC/SP
 Sample : K5311-05MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P0002-STEELE-191007-01MSD

Quant Time: Oct 15 07:54:33 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	152896	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	159211	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	60282	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47509	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.68	69	44882	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.26	63	71157	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.17	46	155776	58.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.06%
24) Chloroform-d	4.62	84	85333	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.29	65	54109	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.32	84	178411	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.31	67	65715	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.55	98	148650	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	7.84	79	20475	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.30	63	114989	53.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.66%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	59812	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	54679	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

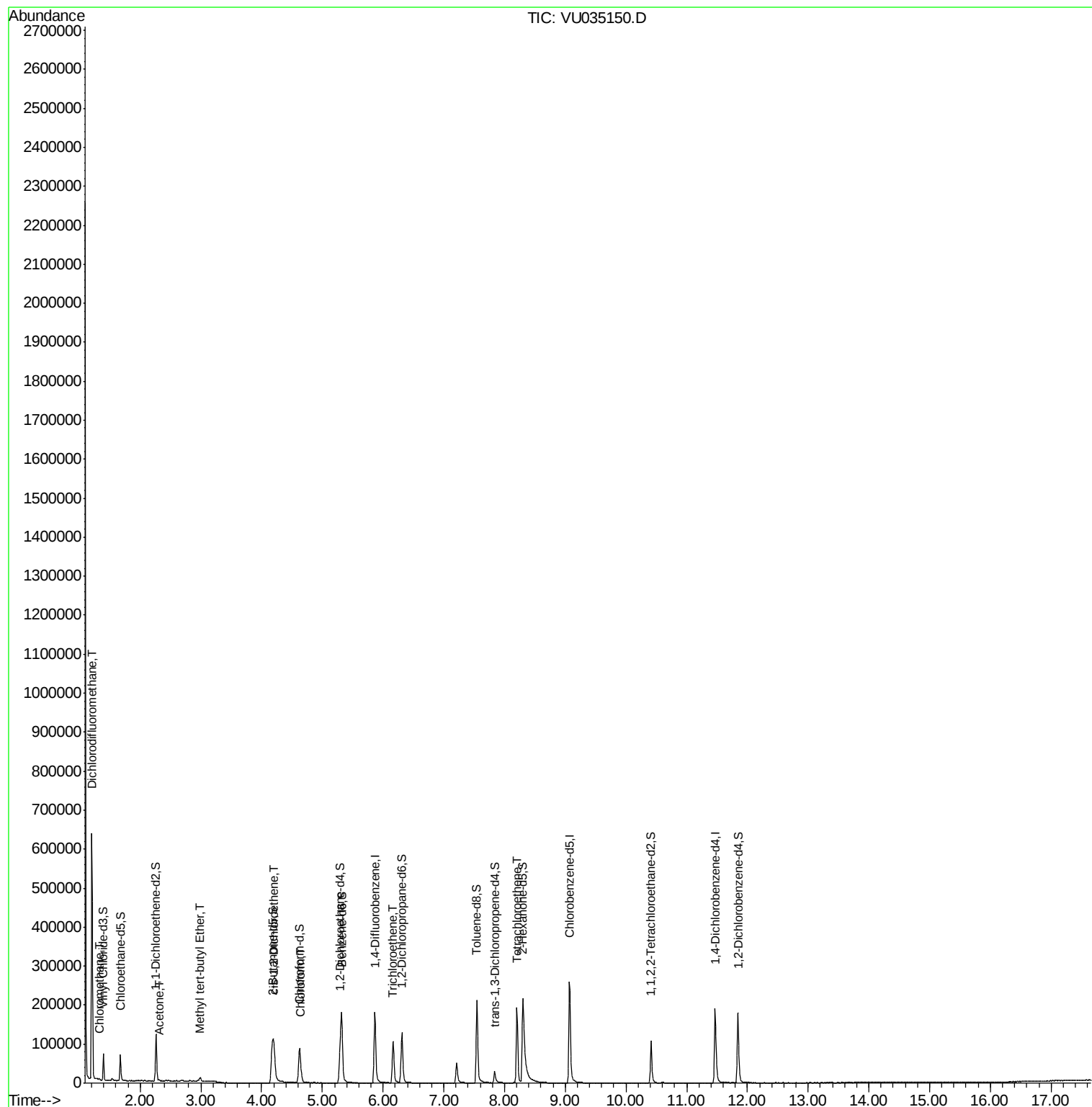
					Ovalue
2) Dichlorodifluoromethane	1.21	85	8355	0.598 ug/L	99
3) Chloromethane	1.32	50	2121	0.138 ug/L	92
13) Acetone	2.31	43	3274	1.502 ug/L	89
17) Methyl tert-butyl Ether	2.99	73	7736	0.289 ug/L #	89
22) cis-1,2-Dichloroethene	4.20	96	44068	3.757 ug/L	92
25) Chloroform	4.65	83	12724	0.542 ug/L	98
34) Trichloroethene	6.16	95	39926	3.228 ug/L	96
47) Tetrachloroethene	8.21	164	43386	4.334 ug/L	94

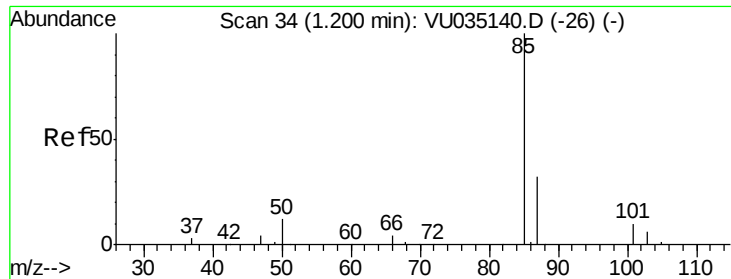
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.598 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.01 min

Lab File: VU035150.D

Acq: 14 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

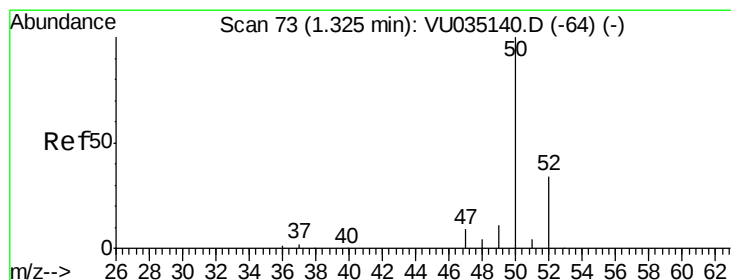
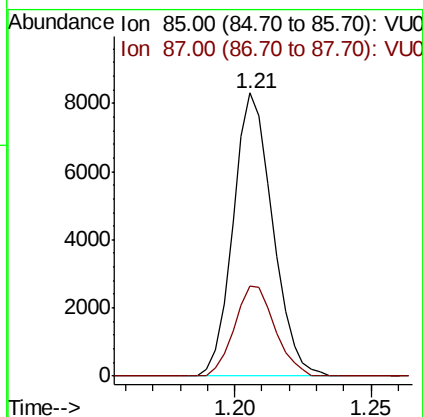
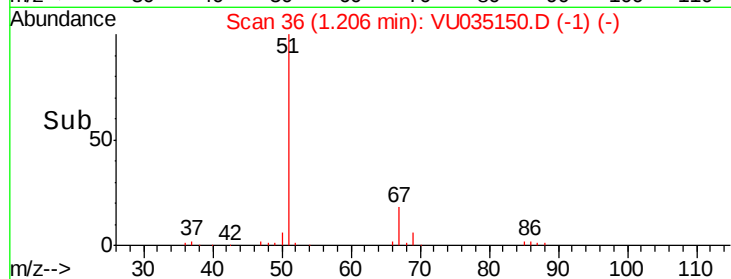
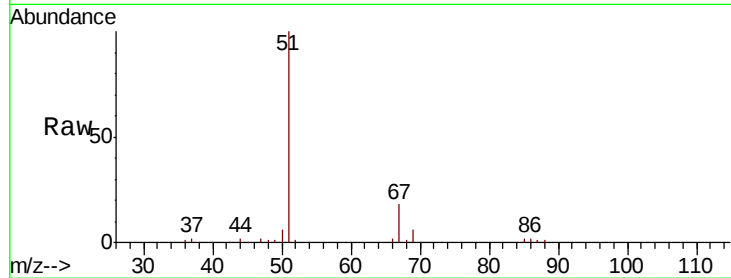
P0002-STEEL-191007-01MSD

Tot Ion: 85 Resp: 8355

Ion Ratio Lower Upper

85 100

87 32.4 26.3 39.5



#3

Chloromethane

Concen: 0.138 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU035150.D

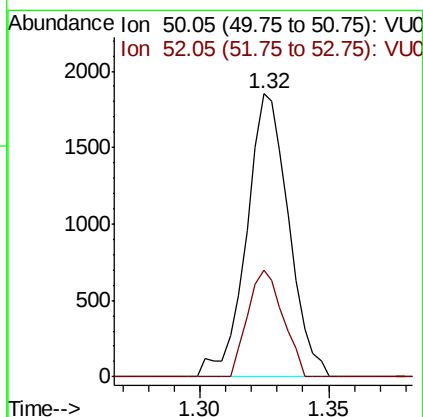
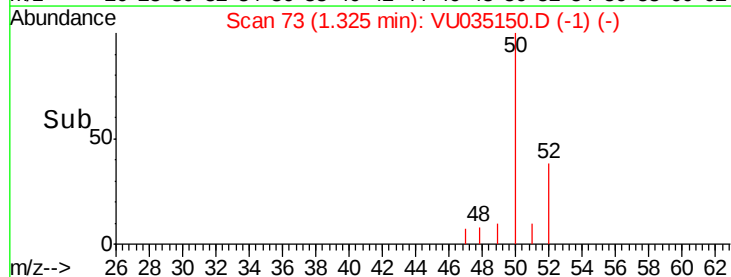
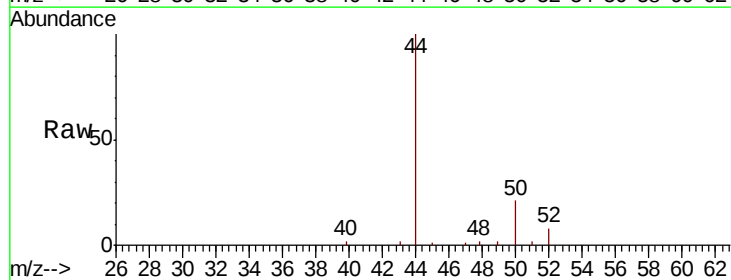
Acq: 14 Oct 2019 15:10

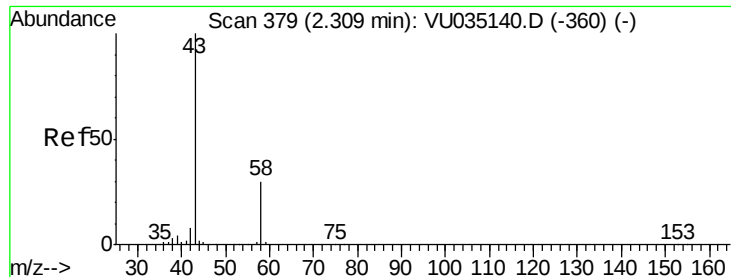
Tgt Ion: 50 Resp: 2121

Ion Ratio Lower Upper

50 100

52 37.9 23.3 43.3





#13

Acetone

Concen: 1.502 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035150.D

Acq: 14 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

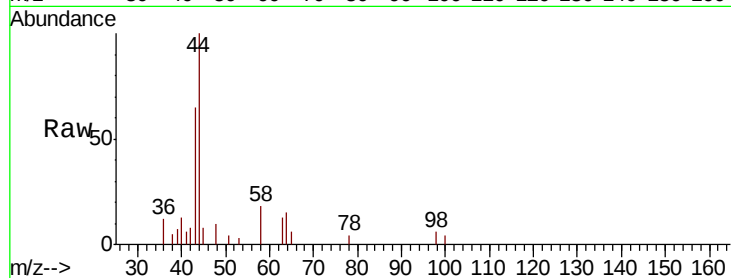
P0002-STEEL-191007-01MSD

Tot Ion: 43 Resp: 3274

Ion Ratio Lower Upper

43 100

58 27.1 0.0 66.6



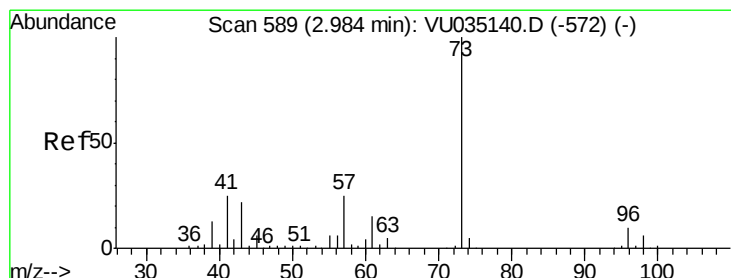
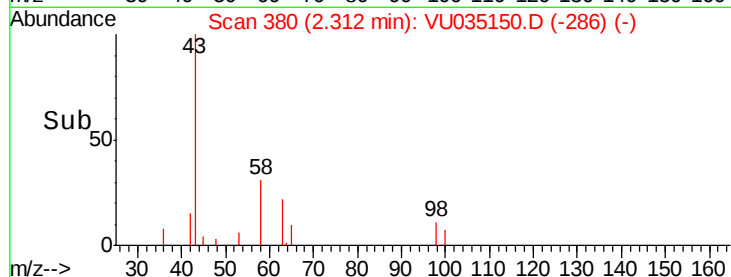
Abundance Ion 43.05 (42.75 to 43.75): VU035150.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU035150.D (-360) (-)

2.31

2.35

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.289 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU035150.D

Acq: 14 Oct 2019 15:10

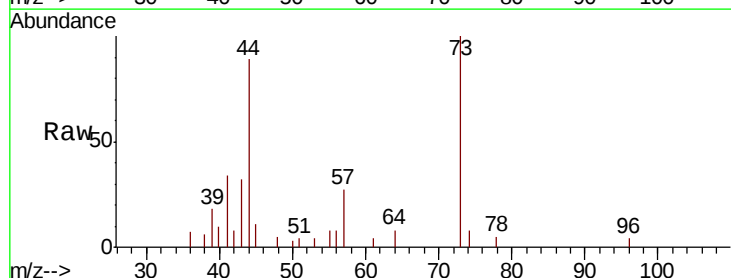
Tgt Ion: 73 Resp: 7736

Ion Ratio Lower Upper

73 100

43 27.6 16.3 24.5#

57 26.4 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU035150.D (-572) (-)

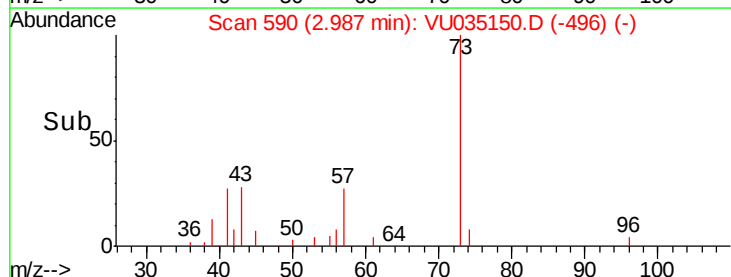
Ion 43.05 (42.75 to 43.75): VU035150.D (-572) (-)

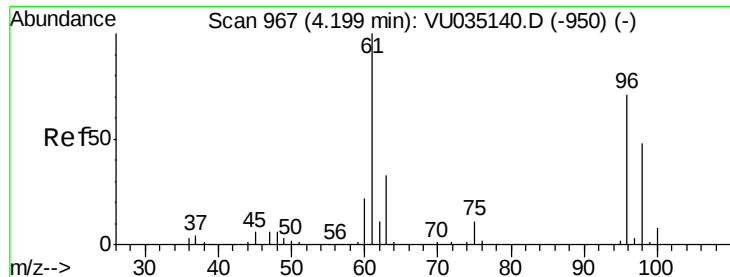
Ion 57.10 (56.80 to 57.80): VU035150.D (-572) (-)

2.99

3.05

Time-->





#22

cis-1,2-Dichloroethene

Concen: 3.757 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035150.D

Acq: 14 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

P0002-STEEL-191007-01MSD

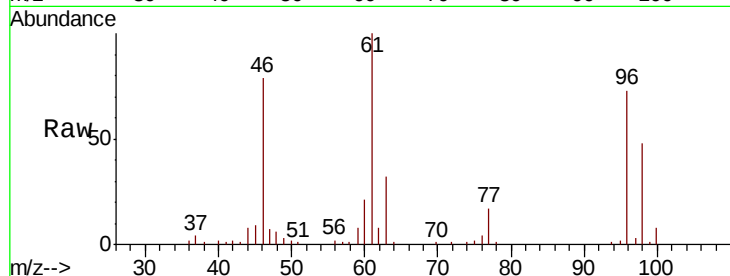
Tot Ion: 96 Resp: 44068

Ion Ratio Lower Upper

96 100

61 136.4 89.2 165.6

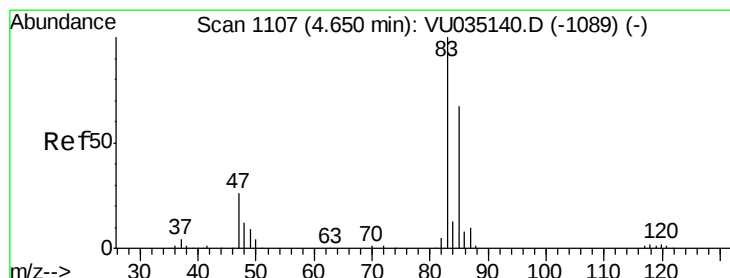
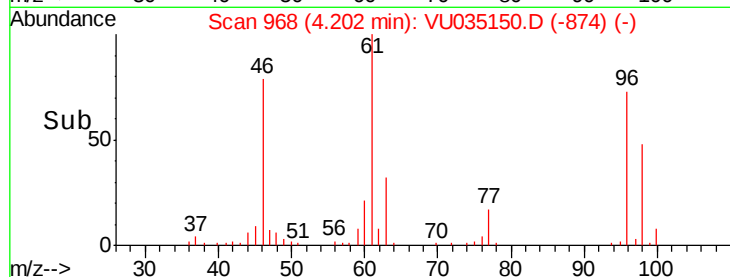
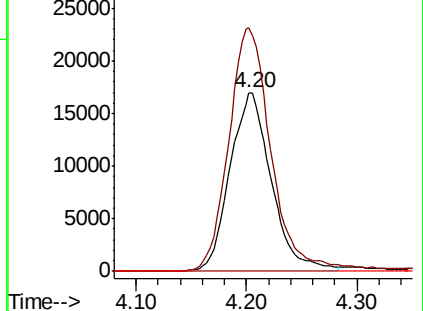
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035150.D (-950) (-)

Ion 61.05 (60.75 to 61.75): VU035150.D (-950) (-)

Ion 68.15 (67.85 to 68.85): VU035150.D (-950) (-)



#25

Chloroform

Concen: 0.542 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU035150.D

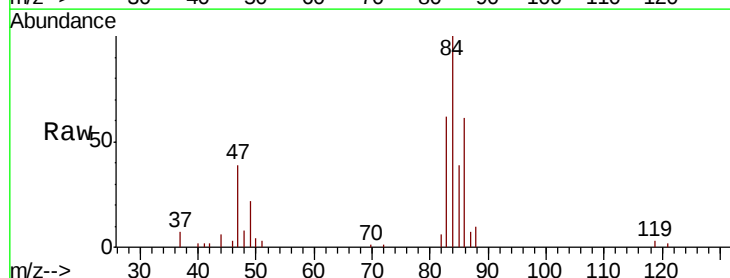
Acq: 14 Oct 2019 15:10

Tgt Ion: 83 Resp: 12724

Ion Ratio Lower Upper

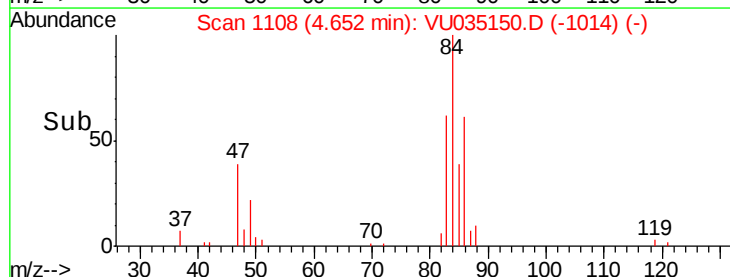
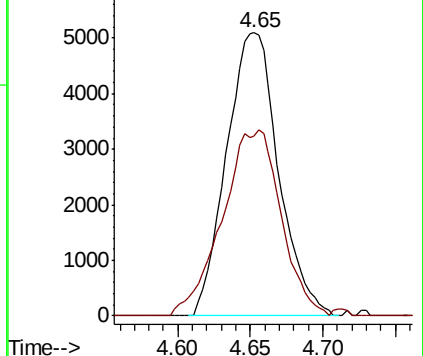
83 100

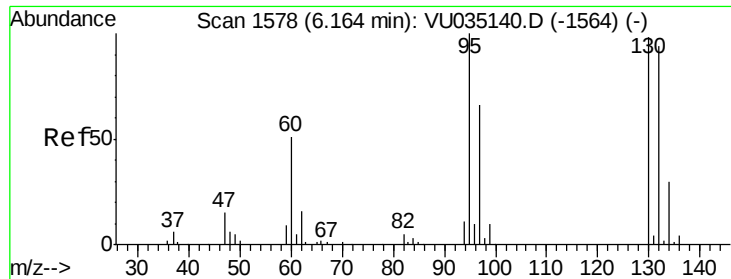
85 63.4 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035150.D (-1089) (-)

Ion 85.00 (84.70 to 85.70): VU035150.D (-1089) (-)

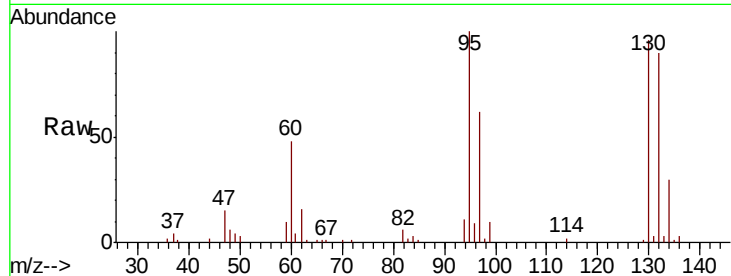




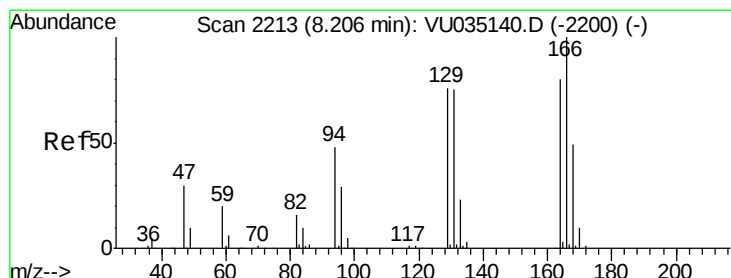
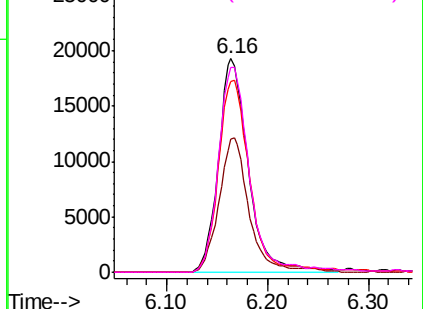
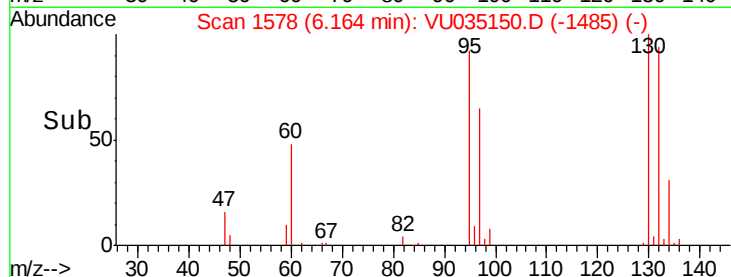
#34
 Trichloroethene
 Concen: 3.228 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU035150.D
 Acq: 14 Oct 2019 15:10

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Tot Ion: 95 Resp: 39926
 Ion Ratio Lower Upper
 95 100
 97 62.0 44.5 82.7
 132 89.5 66.6 123.8
 130 95.7 68.9 127.9

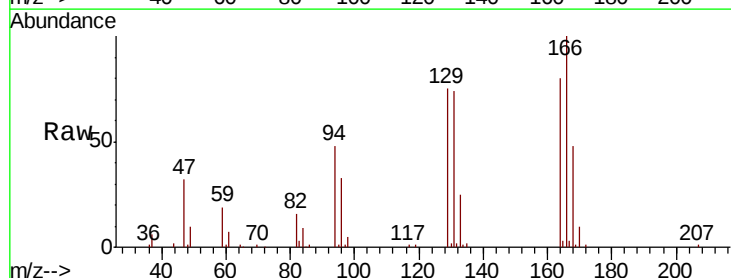


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V



#47
 Tetrachloroethene
 Concen: 4.334 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU035150.D
 Acq: 14 Oct 2019 15:10

Tgt Ion: 164 Resp: 43386
 Ion Ratio Lower Upper
 164 100
 129 93.8 68.5 127.1
 131 91.5 67.3 124.9
 166 124.3 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

