

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040419\
 Data File : VV010121.D
 Acq On : 04 Apr 2019 20:44
 Operator : SY/MD
 Sample : K2246-09
 Misc : 5.11G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF156

Quant Time: Apr 05 01:31:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 01:26:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	247888	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	238772	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	116076	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57518	17.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.32%
7) Chloroethane-d5	1.57	69	54887	13.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.28%
10) 1,1-Dichloroethene-d2	2.13	63	122505	14.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.52%
20) 2-Butanone-d5	3.93	46	47733	50.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.10%
24) Chloroform-d	4.40	84	132386	21.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.08	65	82576	23.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.52%
29) Benzene-d6	5.10	84	272134	21.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.92%
33) 1,2-Dichloropropane-d6	6.12	67	81472	22.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.16%
37) Toluene-d8	7.36	98	257047	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.20%
38) trans-1,3-Dichloropropene-	7.66	79	30777	19.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.80%
39) 2-Hexanone-d5	8.13	63	38435	52.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	86017	23.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	106510	23.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.24%

Target Compounds

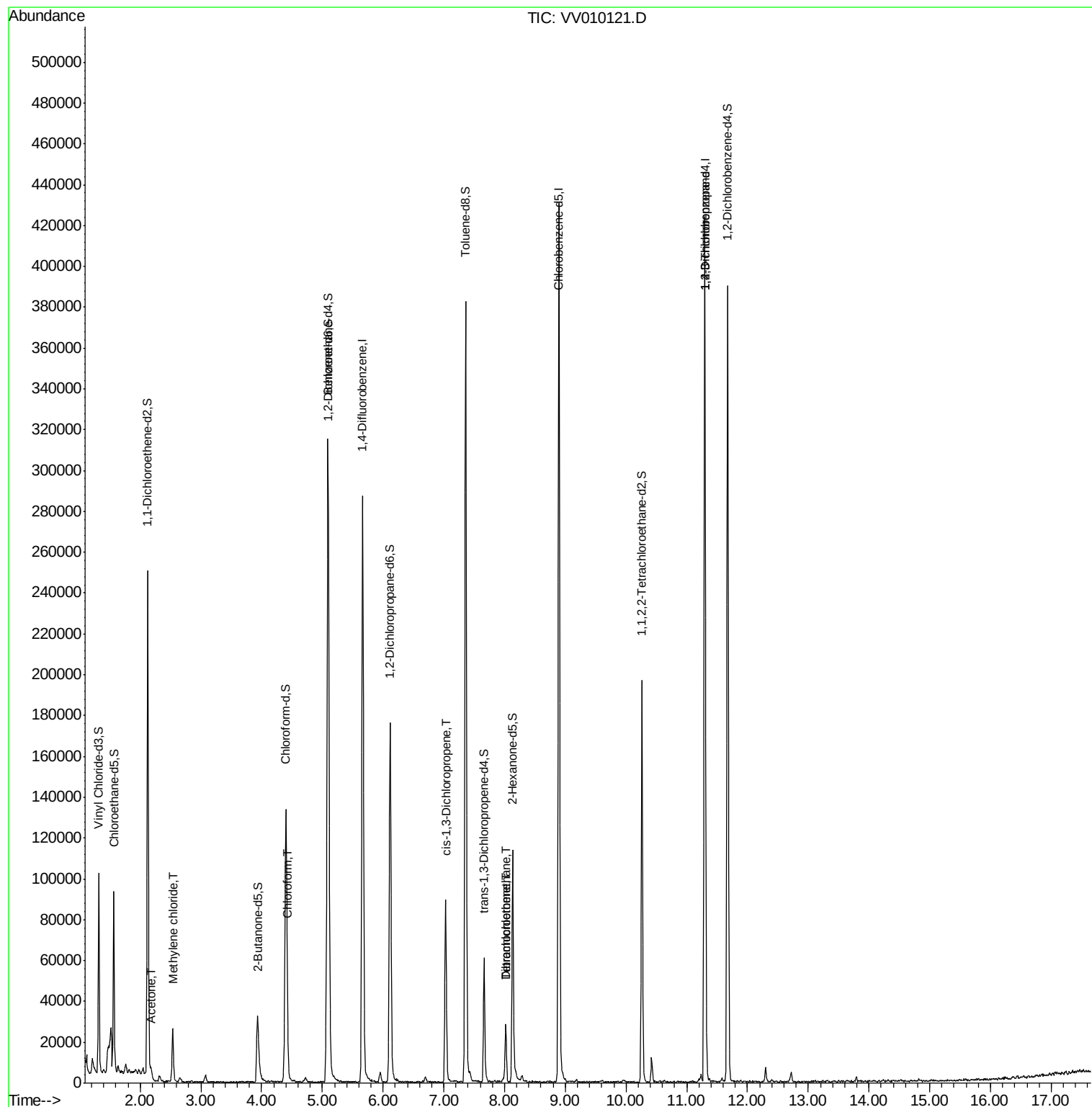
					Qvalue
13) Acetone	2.19	43	2135	2.287 ug/L	90
16) Methylene chloride	2.54	84	10901	2.503 ug/L	97
25) Chloroform	4.43	83	2241	0.398 ug/L #	17
42) cis-1,3-Dichloropropene	7.03	75	2779	0.651 ug/L	83
47) Tetrachloroethene	8.02	164	5518	1.961 ug/L	95
50) Dibromochloromethane	8.02	129	5418	1.848 ug/L #	12
59) 1,2,3-Trichloropropane	11.30	75	13866	5.755 ug/L	92

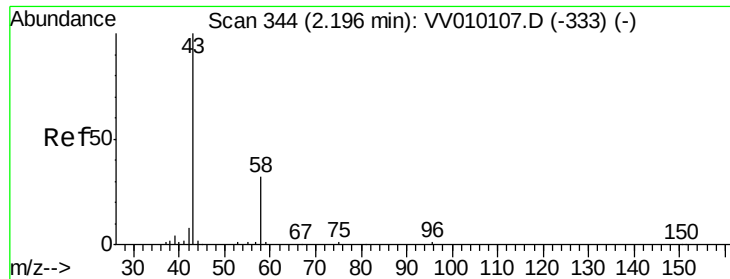
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.287 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV010121.D

Acq: 04 Apr 2019 20:44

Instrument :

MSVOA_V

ClientSampled :

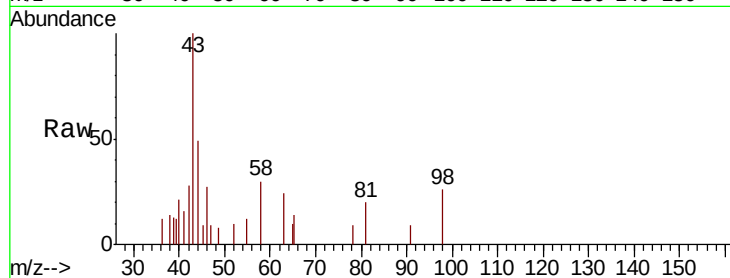
BF156

Tgt Ion: 43 Resp: 2135

Ion Ratio Lower Upper

43 100

58 27.0 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010107.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV010107.D (-333) (-)

2.19

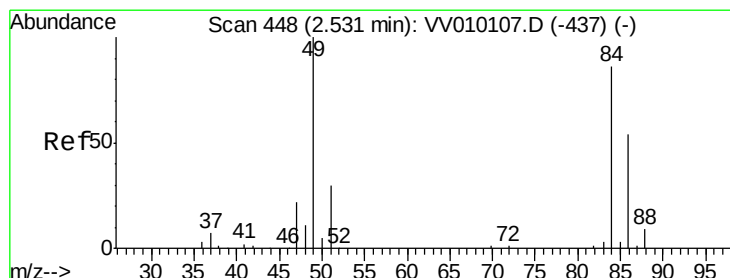
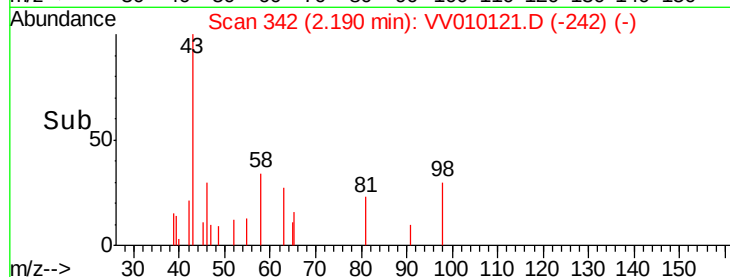
1500

1000

500

0

Time-->



#16

Methylene chloride

Concen: 2.503 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV010121.D

Acq: 04 Apr 2019 20:44

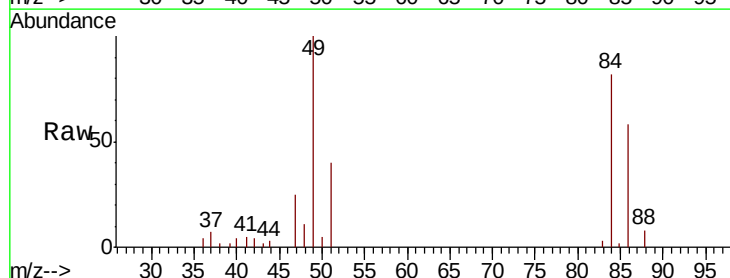
Tgt Ion: 84 Resp: 10901

Ion Ratio Lower Upper

84 100

49 121.6 84.3 156.5

86 70.7 45.4 84.2



Abundance Ion 84.00 (83.70 to 84.70): VV010107.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV010107.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010107.D (-437) (-)

10000

8000

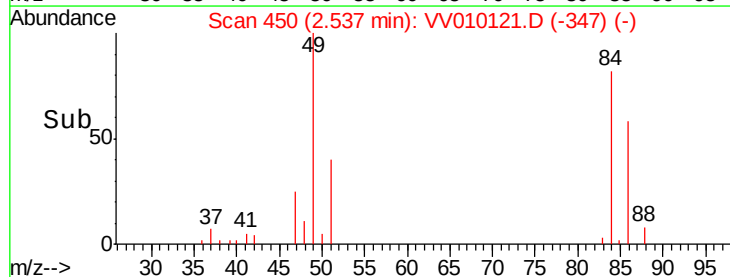
6000

4000

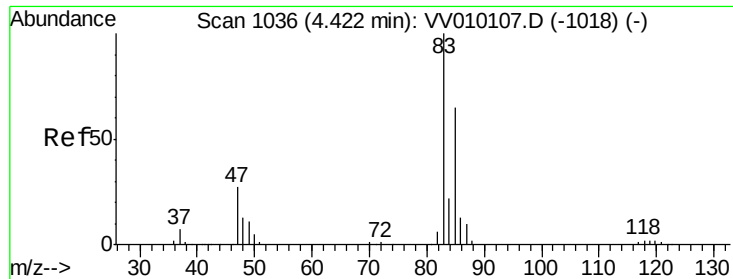
2000

0

Time-->



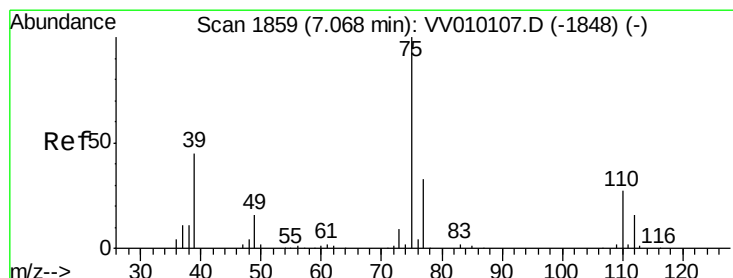
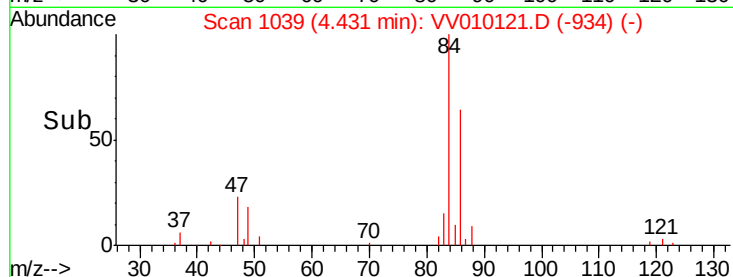
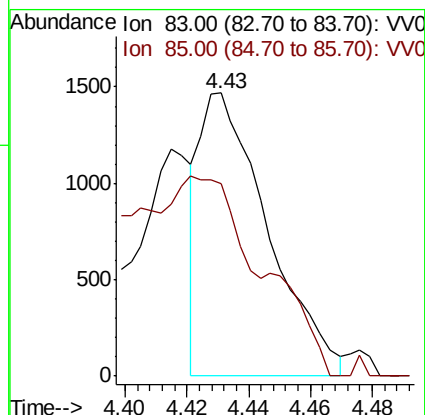
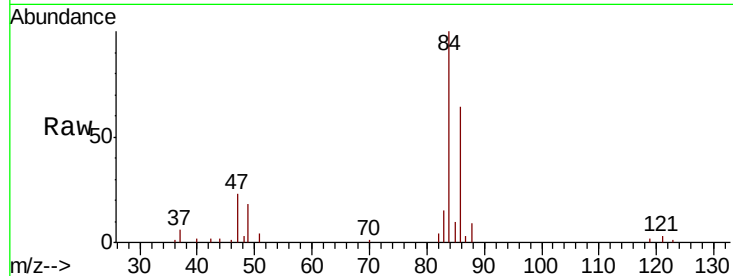
2.54



#25
Chloroform
Concen: 0.398 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV010121.D
Acq: 04 Apr 2019 20:44

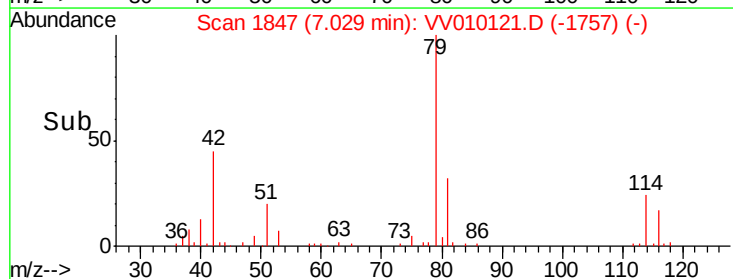
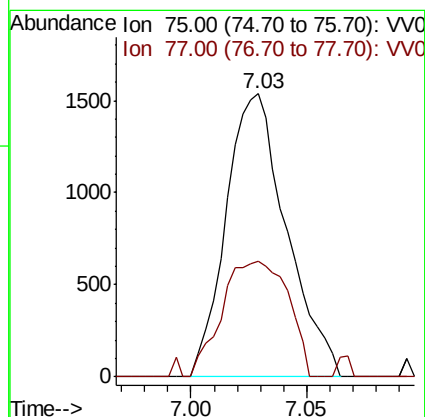
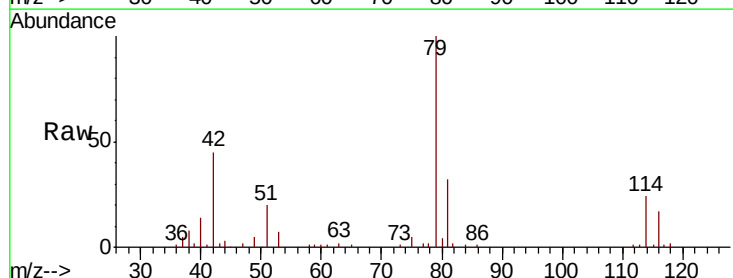
Instrument :
MSVOA_V
ClientSampled :
BF156

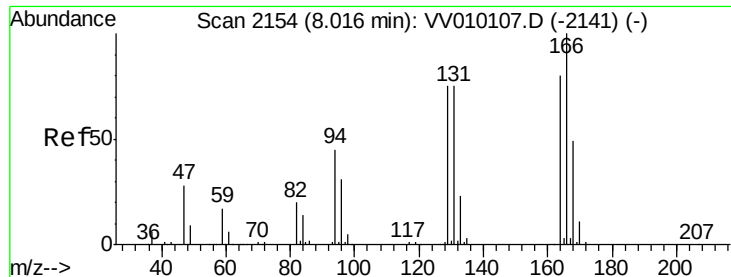
Tgt Ion: 83 Resp: 2241
Ion Ratio Lower Upper
83 100
85 0.0 46.4 86.2#



#42
cis-1,3-Dichloropropene
Concen: 0.651 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV010121.D
Acq: 04 Apr 2019 20:44

Tgt Ion: 75 Resp: 2779
Ion Ratio Lower Upper
75 100
77 40.9 22.1 41.1





#47

Tetrachloroethene

Concen: 1.961 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV010121.D

Acq: 04 Apr 2019 20:44

Instrument :

MSVOA_V

ClientSampleId :

BF156

Tgt Ion:164 Resp: 5518

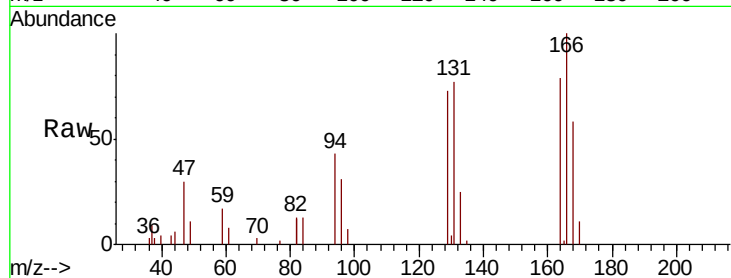
Ion Ratio Lower Upper

164 100

129 93.2 67.8 125.8

131 98.3 65.2 121.0

166 127.2 93.8 174.2

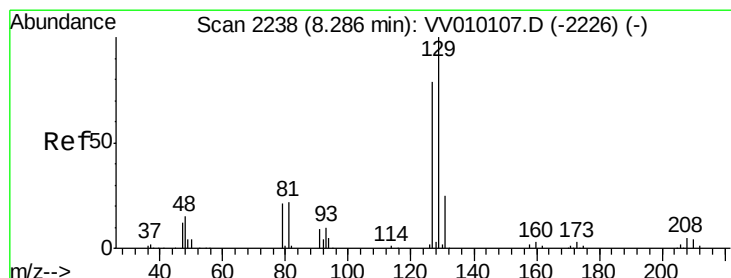
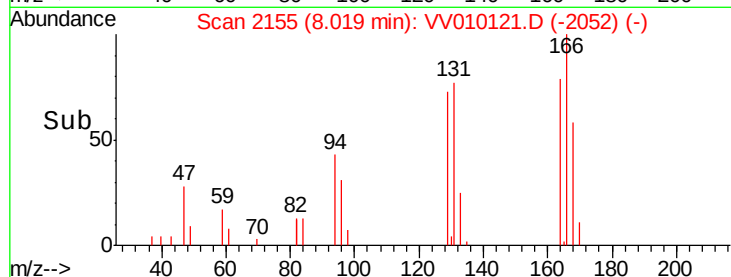
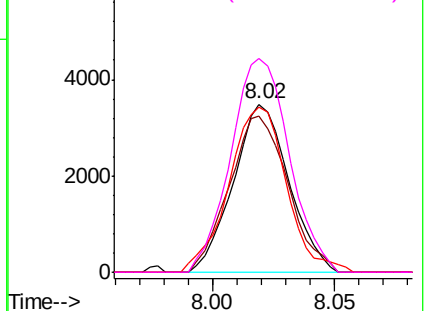


Abundance Ion 164.00 (163.70 to 164.70): V

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



#50

Dibromochloromethane

Concen: 1.848 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV010121.D

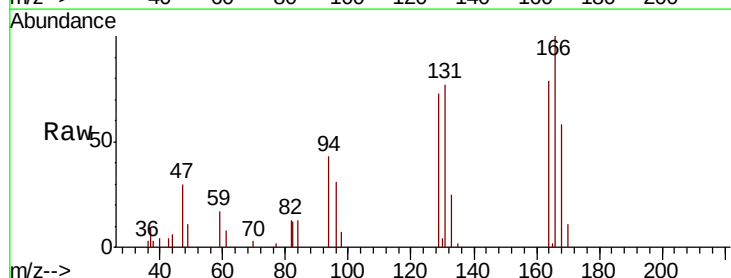
Acq: 04 Apr 2019 20:44

Tgt Ion:129 Resp: 5418

Ion Ratio Lower Upper

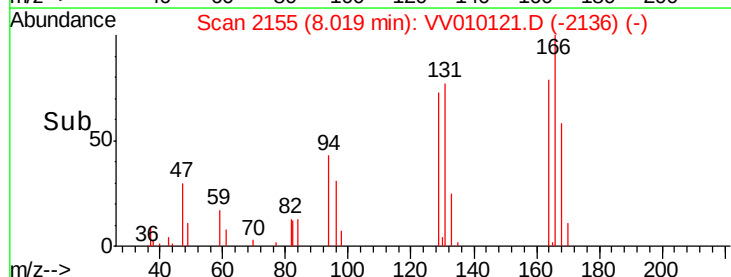
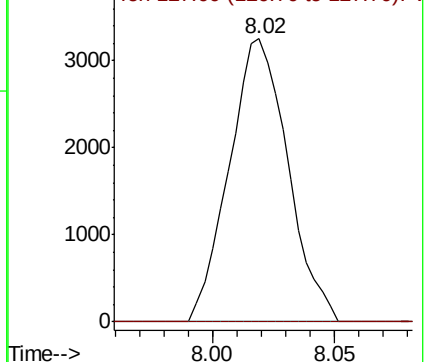
129 100

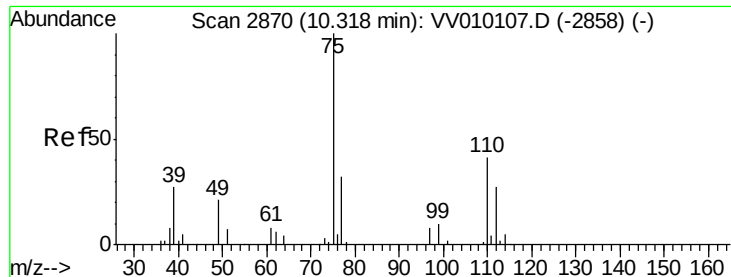
127 0.0 52.1 96.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.755 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010121.D

Acq: 04 Apr 2019 20:44

Instrument :

MSVOA_V

ClientSampleId :

BF156

Tgt Ion: 75 Resp: 13866

Ion Ratio Lower Upper

75 100

77 36.7 25.8 38.8

