

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040419\
 Data File : VV010111.D
 Acq On : 04 Apr 2019 16:06
 Operator : SY/MD
 Sample : K2215-13
 Misc : 4.54G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF2P2

Quant Time: Apr 05 01:30:37 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	5.67	114	225733	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	216436	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	98112	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56377	18.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.64%
7) Chloroethane-d5	1.57	69	67304	17.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.72%
10) 1,1-Dichloroethene-d2	2.13	63	119085	15.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.48%
20) 2-Butanone-d5	3.95	46	46212	53.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.48%
24) Chloroform-d	4.40	84	127150	22.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.44%
26) 1,2-Dichloroethane-d4	5.08	65	78831	24.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.12%
29) Benzene-d6	5.10	84	258246	23.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.04%
33) 1,2-Dichloropropane-d6	6.12	67	79603	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.12%
37) Toluene-d8	7.36	98	241248	22.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.24%
38) trans-1,3-Dichloropropene-	7.66	79	29213	20.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.52%
39) 2-Hexanone-d5	8.13	63	35930	54.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.16%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	80146	24.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	94291	24.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.68%

Target Compounds

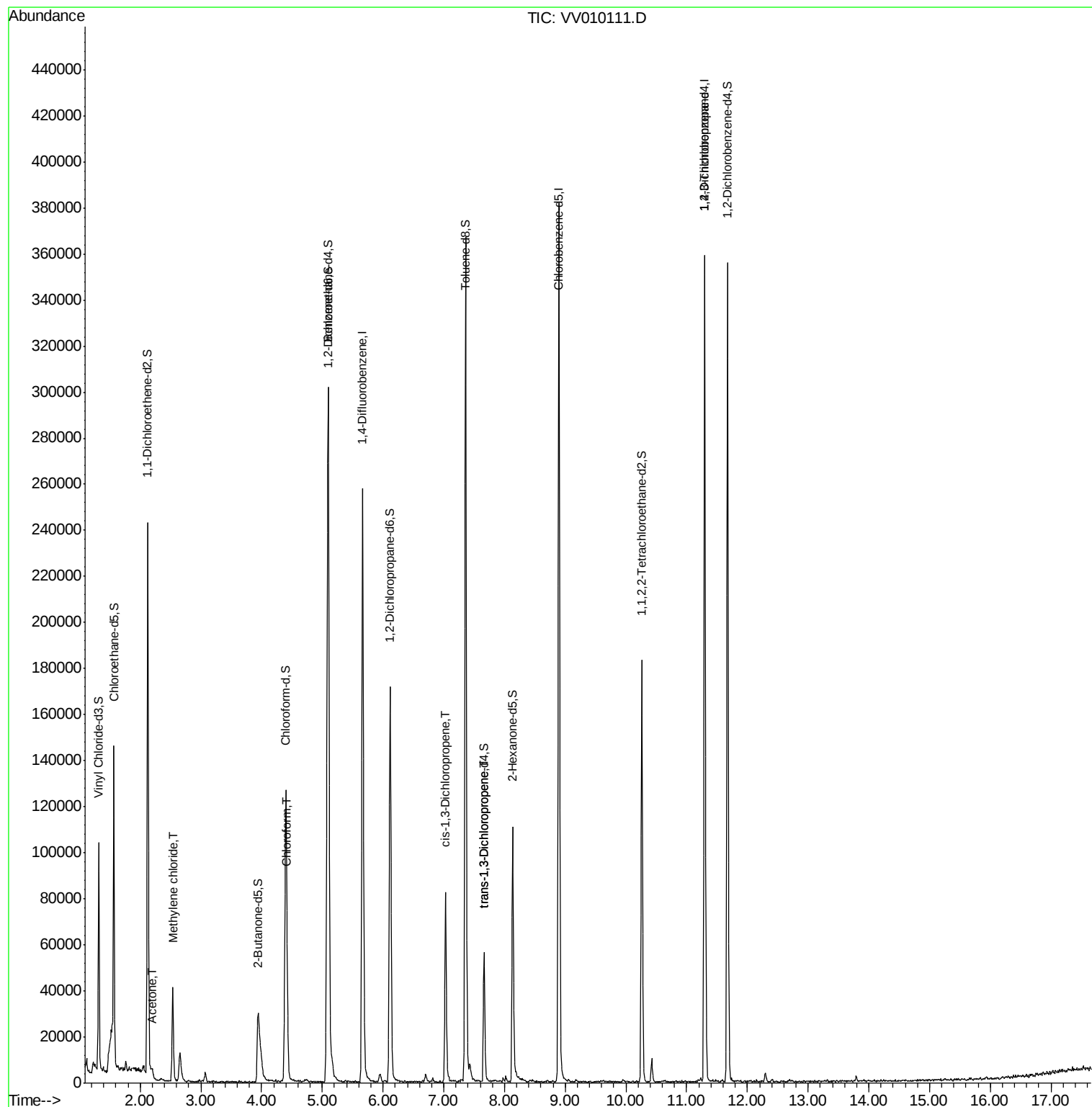
					Qvalue
13) Acetone	2.20	43	4445	5.228 ug/L	52
16) Methylene chloride	2.54	84	17370	4.380 ug/L	88
25) Chloroform	4.43	83	2262	0.441 ug/L #	17
42) cis-1,3-Dichloropropene	7.03	75	2830	0.731 ug/L	87
45) trans-1,3-Dichloropropene	7.67	75	1623	0.493 ug/L #	73
59) 1,2,3-Trichloropropane	11.30	75	12125	5.552 ug/L	93

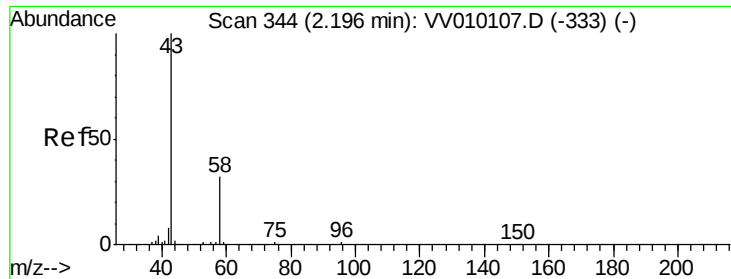
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 05 01:26:41 2019
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#13

Acetone

Concen: 5.228 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV010111.D

Acq: 04 Apr 2019 16:06

Instrument :

MSVOA_V

ClientSampled :

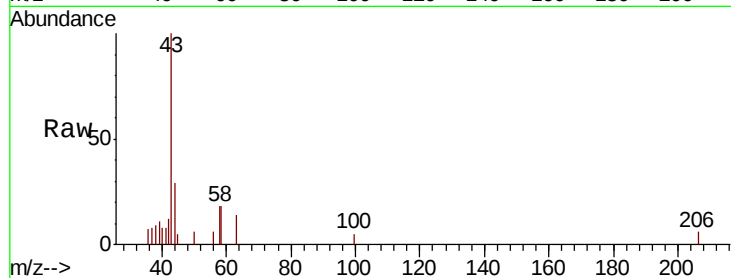
BF2P2

Tgt Ion: 43 Resp: 4445

Ion Ratio Lower Upper

43 100

58 5.3 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) (-)

2500

2000

1500

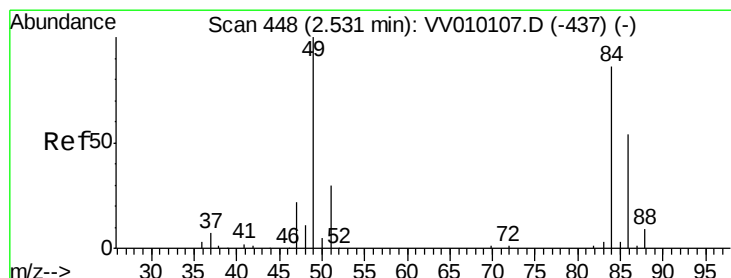
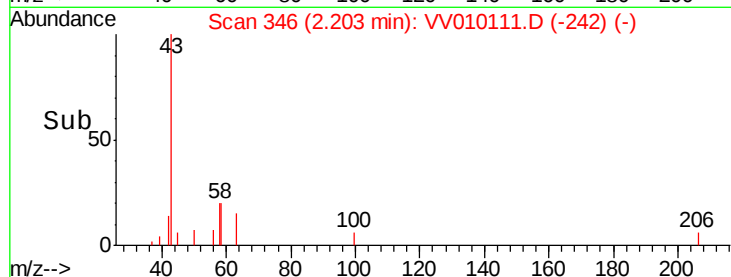
1000

500

0

2.15 2.20 2.25

Time-->



#16

Methylene chloride

Concen: 4.380 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV010111.D

Acq: 04 Apr 2019 16:06

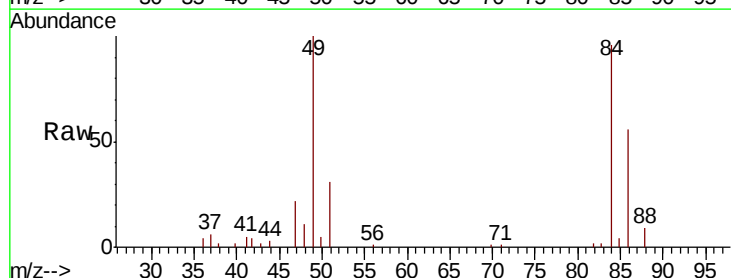
Tgt Ion: 84 Resp: 17370

Ion Ratio Lower Upper

84 100

49 104.6 84.3 156.5

86 58.3 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) (-)

15000

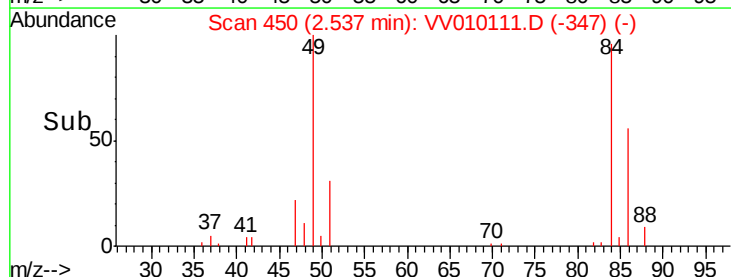
10000

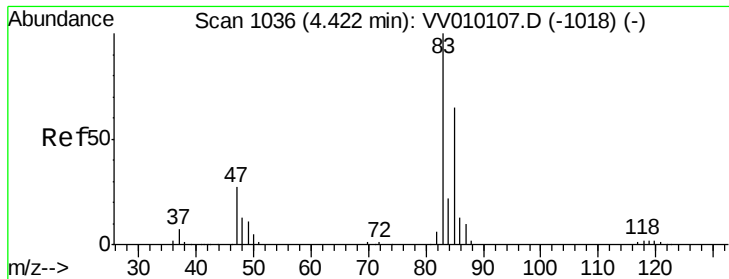
5000

0

2.50 2.54 2.60

Time-->

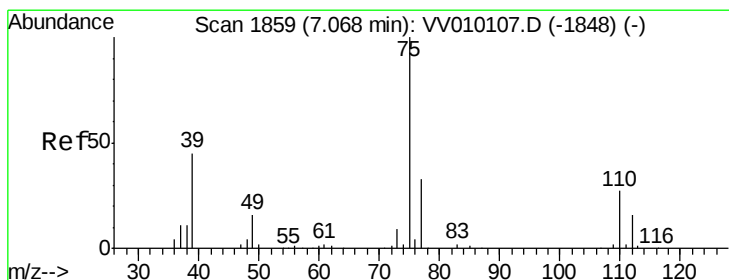
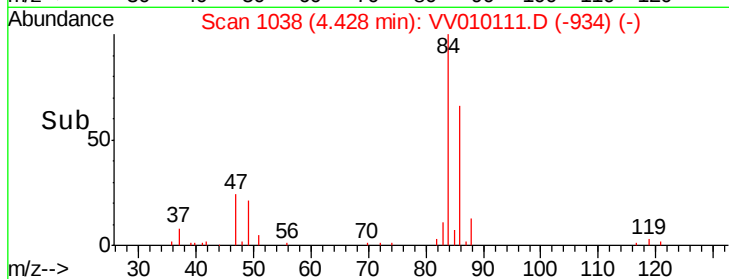
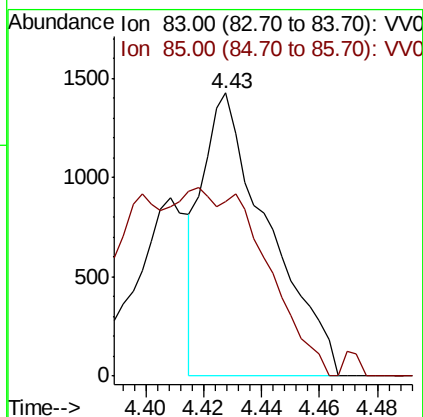
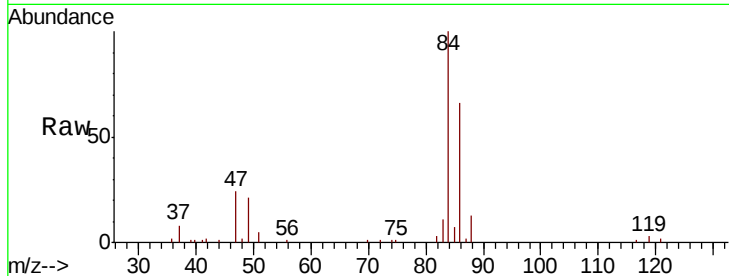




#25
Chloroform
Concen: 0.441 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010111.D
Acq: 04 Apr 2019 16:06

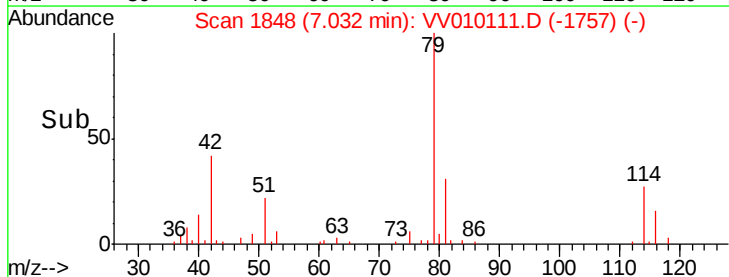
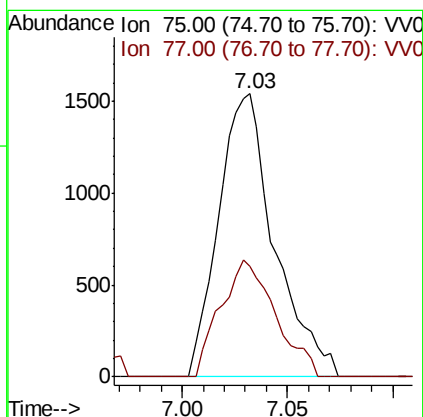
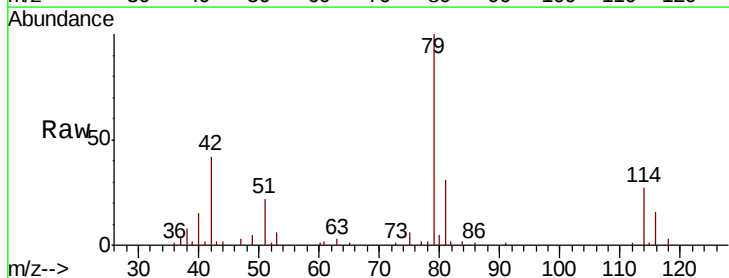
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BF2P2

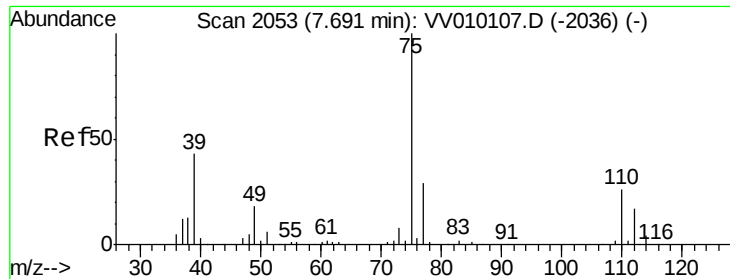
Tgt Ion: 83 Resp: 2262
Ion Ratio Lower Upper
83 100
85 0.0 46.4 86.2#



#42
cis-1,3-Dichloropropene
Concen: 0.731 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV010111.D
Acq: 04 Apr 2019 16:06

Tgt Ion: 75 Resp: 2830
Ion Ratio Lower Upper
75 100
77 39.1 22.1 41.1





#45

trans-1,3-Dichloropropene

Concen: 0.493 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010111.D

Acq: 04 Apr 2019 16:06

Instrument :

MSVOA_V

ClientSampleId :

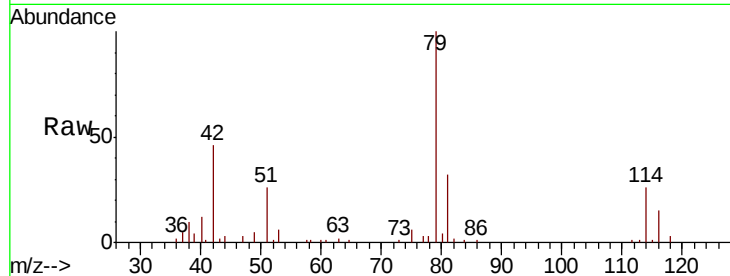
BF2P2

Tgt Ion: 75 Resp: 1623

Ion Ratio Lower Upper

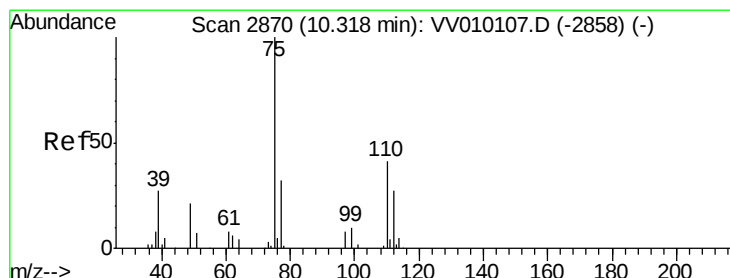
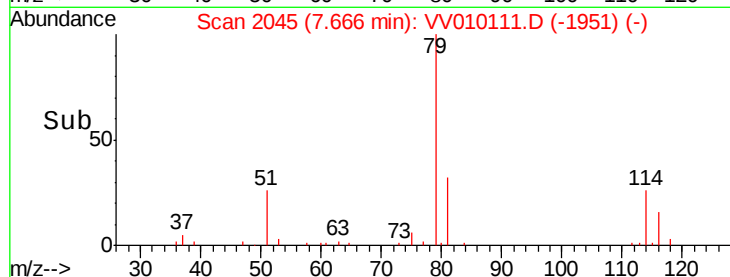
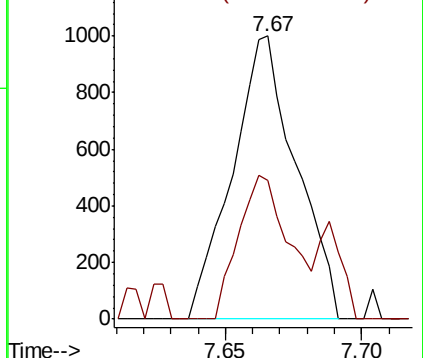
75 100

77 48.8 23.5 43.7#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#59

1,2,3-Trichloropropane

Concen: 5.552 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010111.D

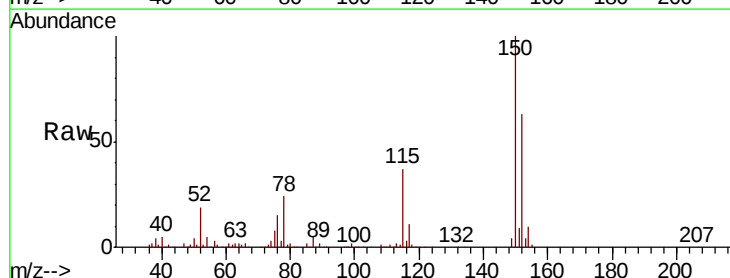
Acq: 04 Apr 2019 16:06

Tgt Ion: 75 Resp: 12125

Ion Ratio Lower Upper

75 100

77 36.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

