

Data File : VV010967.D
Acq On : 20 May 2019 19:34
Operator : SY/MD
Sample : K2846-08
Misc : 4.38G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFHC3

Quant Time: May 21 04:07:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Tue May 21 04:03:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	112838	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	114503	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46947	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22248	17.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.20%
7) Chloroethane-d5	1.57	69	17021	19.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.16%
10) 1,1-Dichloroethene-d2	2.12	63	32952	13.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.28%
20) 2-Butanone-d5	3.94	46	22205	50.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.06%
24) Chloroform-d	4.40	84	57625	19.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.84%
26) 1,2-Dichloroethane-d4	5.08	65	36867	21.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.60%
29) Benzene-d6	5.10	84	124808	19.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.88%
33) 1,2-Dichloropropane-d6	6.11	67	44224	22.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.04%
37) Toluene-d8	7.36	98	108985	18.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.00%
38) trans-1,3-Dichloropropene-	7.66	79	14786	18.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.52%
39) 2-Hexanone-d5	8.13	63	17360	46.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.72%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	41203	20.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	41148	21.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.36%

Target Compounds

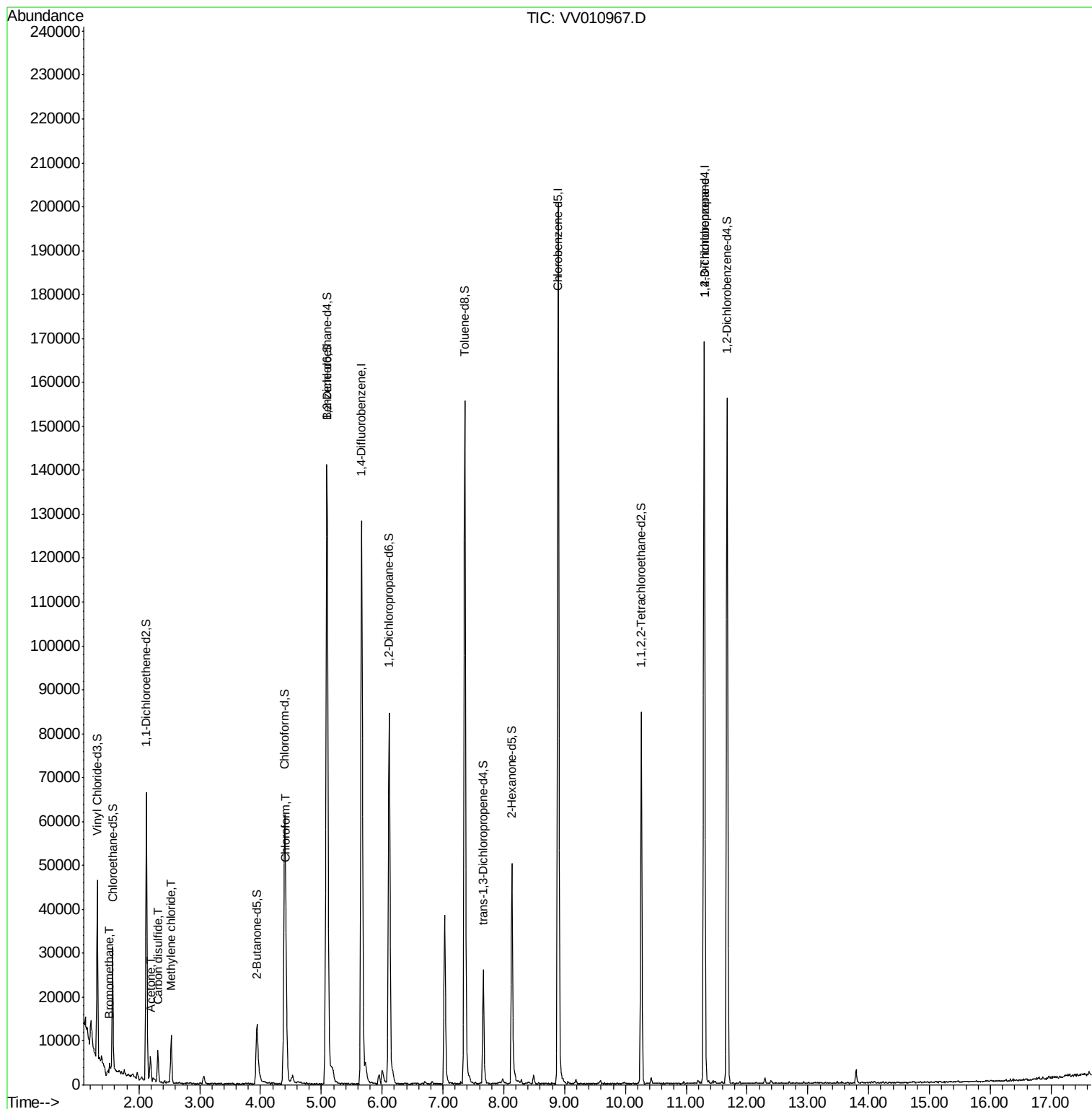
					Qvalue
6) Bromomethane	1.52	94	369	0.698 ug/L	78
13) Acetone	2.19	43	5084	11.877 ug/L	100
14) Carbon disulfide	2.31	76	5722	1.716 ug/L	99
16) Methylene chloride	2.53	84	4289	2.215 ug/L	94
25) Chloroform	4.42	83	8323	2.459 ug/L	91
59) 1,2,3-Trichloropropane	11.29	75	5559	3.888 ug/L	89

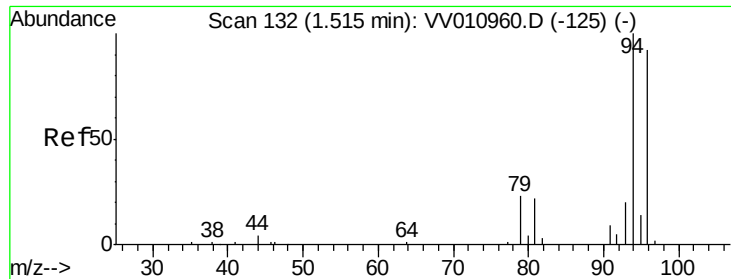
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.698 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

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Acq: 20 May 2019 19:34

Instrument :

MSVOA_V

ClientSampled :

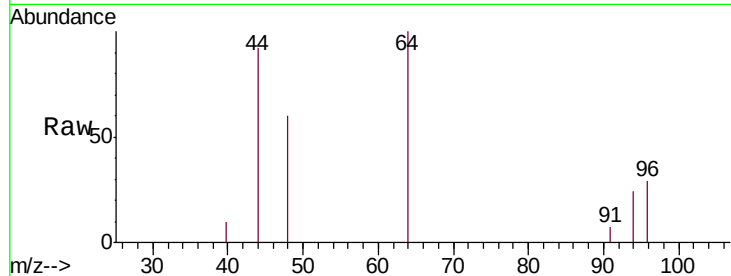
BFHC3

Tgt Ion: 94 Resp: 369

Ion Ratio Lower Upper

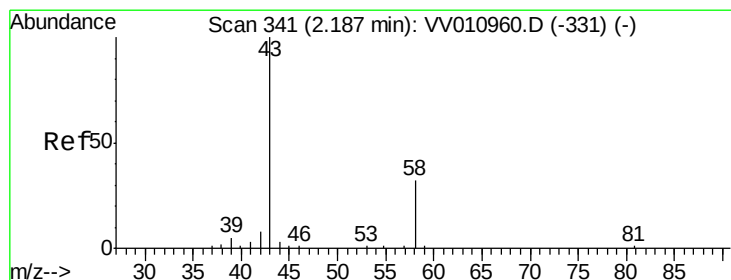
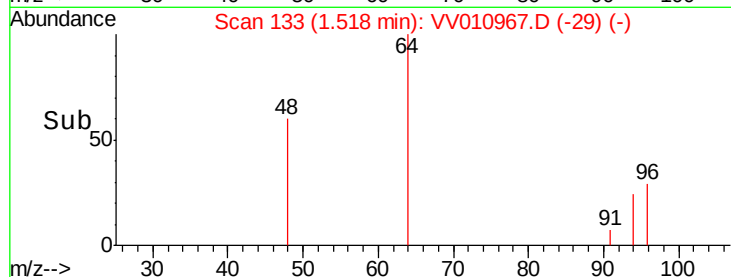
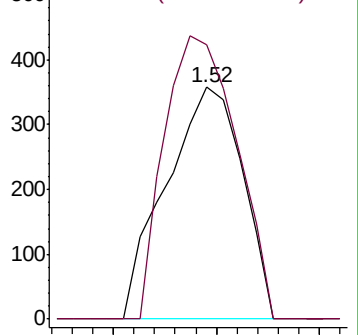
94 100

96 114.9 9.3 177.7



Abundance Ion 94.00 (93.70 to 94.70): VV010967.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV010967.D (-125) (-)



#13

Acetone

Concen: 11.877 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010967.D

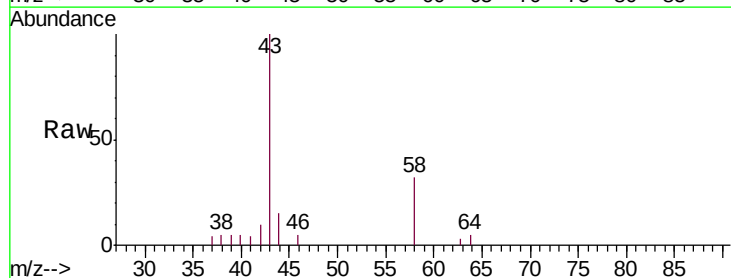
Acq: 20 May 2019 19:34

Tgt Ion: 43 Resp: 5084

Ion Ratio Lower Upper

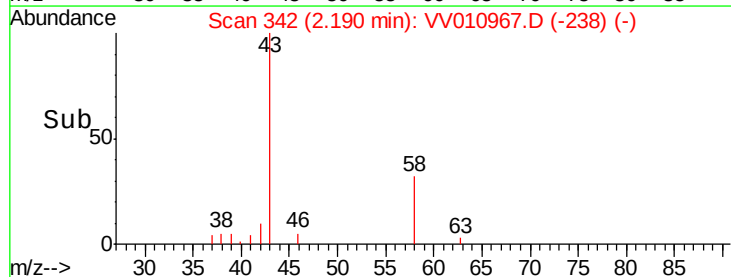
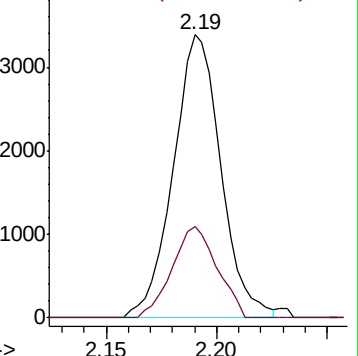
43 100

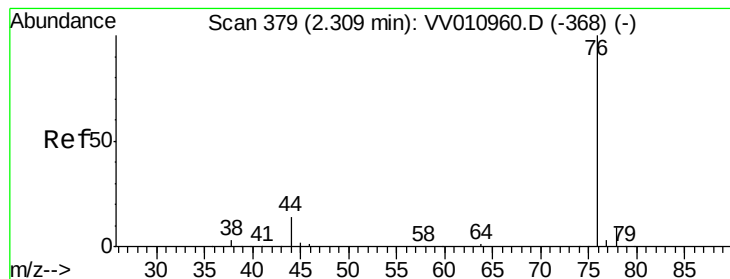
58 30.4 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV010967.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010967.D (-331) (-)





#14

Carbon disulfide

Concen: 1.716 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

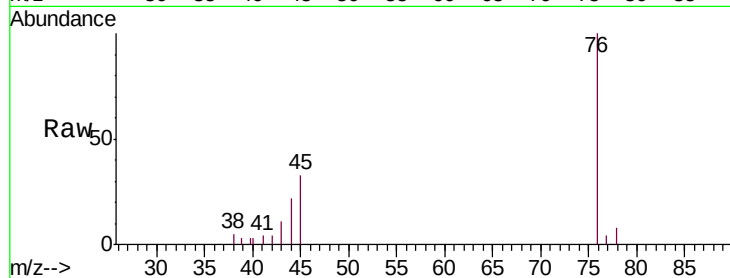
BFHC3

Tgt Ion: 76 Resp: 5722

Ion Ratio Lower Upper

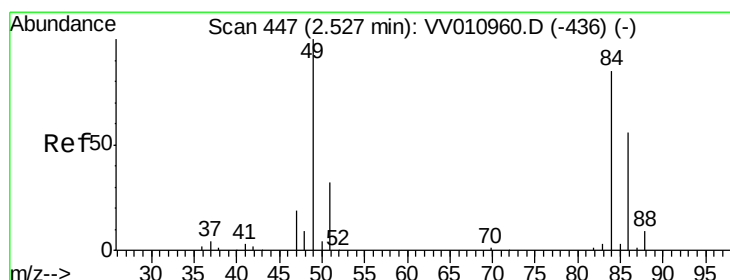
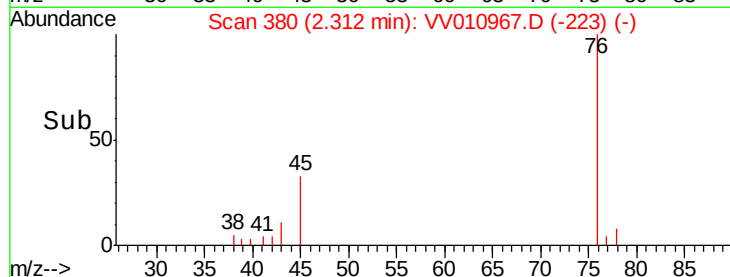
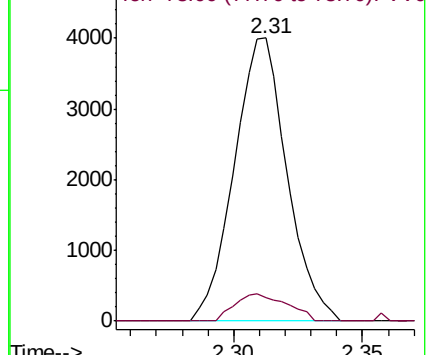
76 100

78 8.5 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 2.215 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV010967.D

Acq: 20 May 2019 19:34

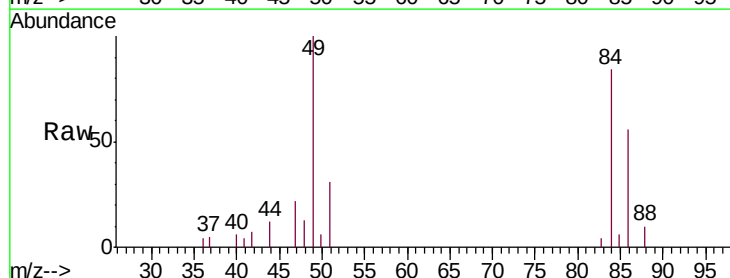
Tgt Ion: 84 Resp: 4289

Ion Ratio Lower Upper

84 100

49 118.7 77.4 143.8

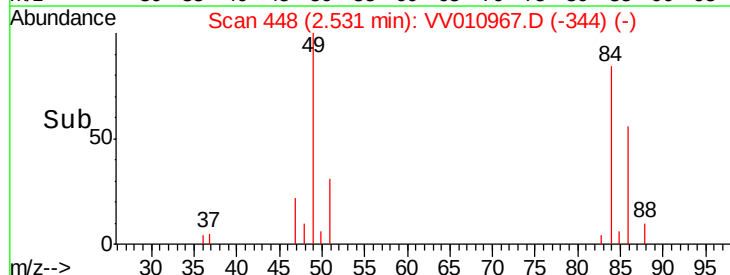
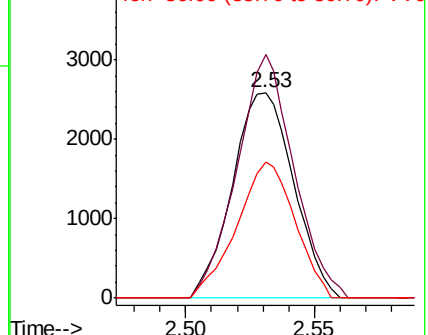
86 66.3 44.0 81.6

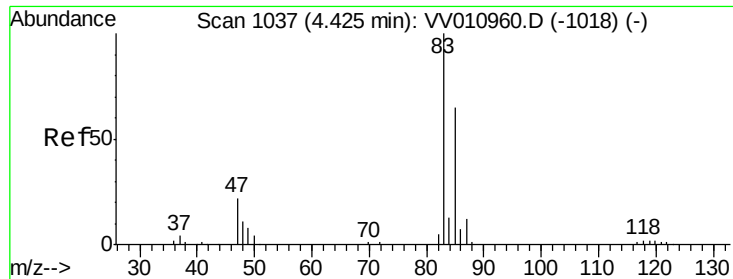


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

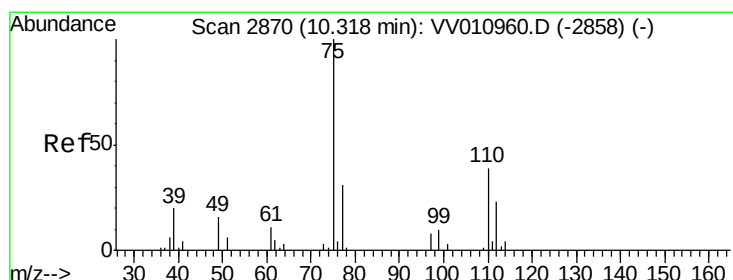
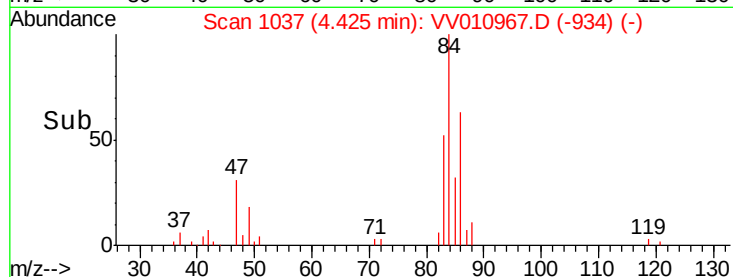
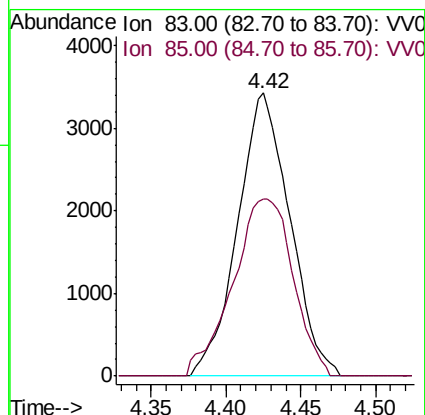
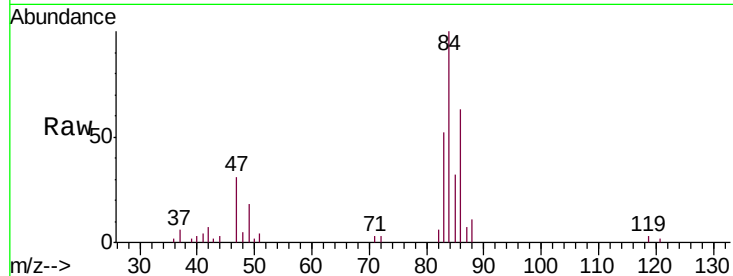




#25
Chloroform
Concen: 2.459 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
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BFHC3

Tgt Ion: 83 Resp: 8323
Ion Ratio Lower Upper
83 100
85 72.1 45.6 84.8



#59
1,2,3-Trichloropropane
Concen: 3.888 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.97 min
Lab File: VV010967.D
Acq: 20 May 2019 19:34

Tgt Ion: 75 Resp: 5559
Ion Ratio Lower Upper
75 100
77 37.7 25.4 38.2

