

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033019\
 Data File : VV010023.D
 Acq On : 30 Mar 2019 16:44
 Operator : SY/MD
 Sample : K2166-08
 Misc : 6.02G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0K7

Quant Time: Mar 30 23:35:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 23:31:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	142846	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	135748	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	51790	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66479	22.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.72%
7) Chloroethane-d5	1.57	69	80112	25.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.36%
10) 1,1-Dichloroethene-d2	2.12	63	144216	18.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.76%
20) 2-Butanone-d5	3.94	46	27175	50.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.62%
24) Chloroform-d	4.40	84	87368	24.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.04%
26) 1,2-Dichloroethane-d4	5.08	65	66365	30.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	121.20%
29) Benzene-d6	5.10	84	206513	28.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.88%
33) 1,2-Dichloropropane-d6	6.12	67	66844	32.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	128.20%#
37) Toluene-d8	7.36	98	172967	25.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.52%
38) trans-1,3-Dichloropropene-	7.67	79	19634	23.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.04%
39) 2-Hexanone-d5	8.13	63	20460	52.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	54831	26.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.20%
61) 1,2-Dichlorobenzene-d4	11.68	152	55370	28.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.32%

Target Compounds

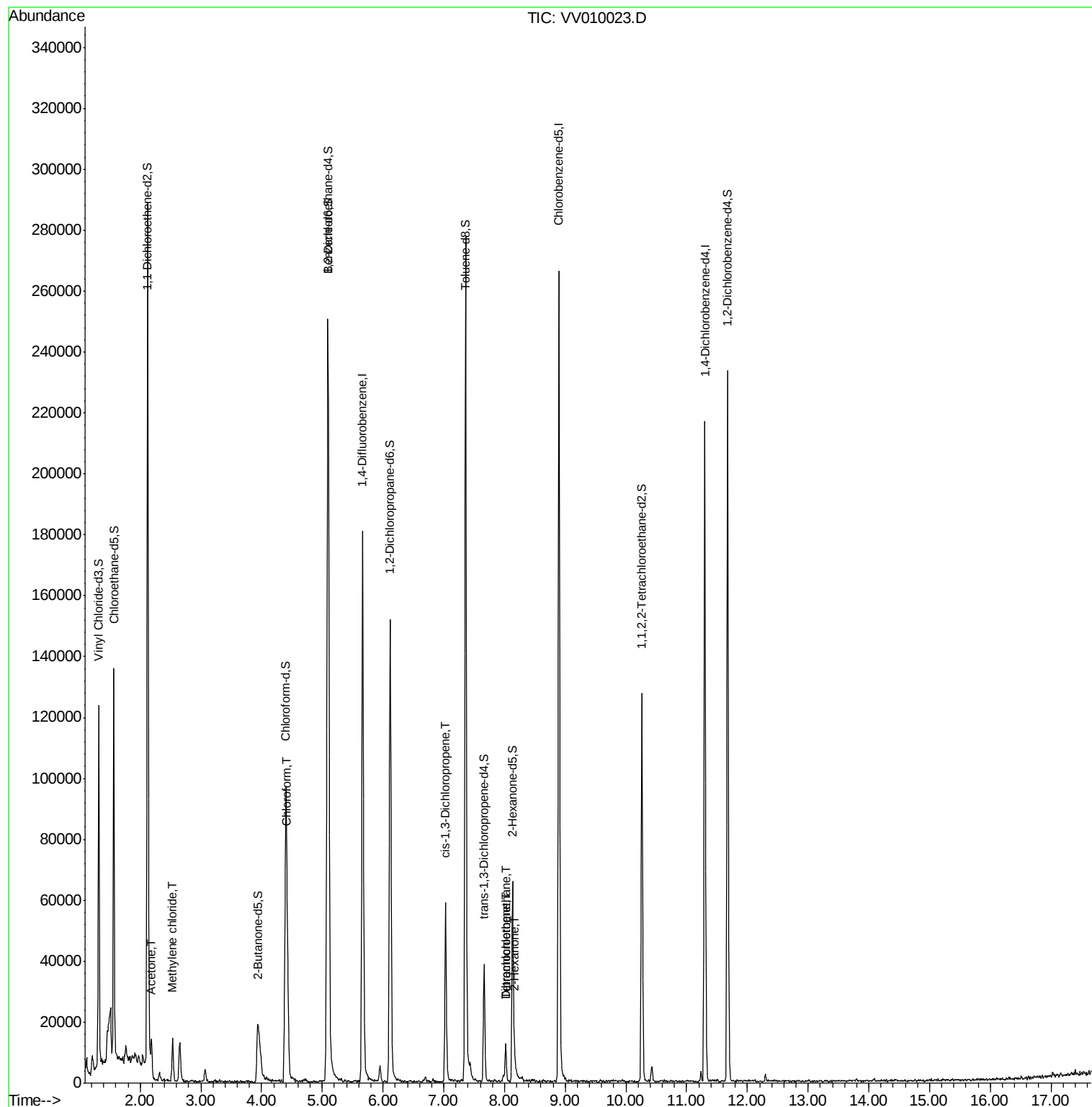
					Qvalue
13) Acetone	2.19	43	3626	4.434 ug/L	83
16) Methylene chloride	2.53	84	5553	2.361 ug/L	89
25) Chloroform	4.43	83	20904	5.523 ug/L #	69
42) cis-1,3-Dichloropropene	7.03	75	1863	0.686 ug/L	90
47) Tetrachloroethene	8.02	164	2572	1.658 ug/L	86
49) 2-Hexanone	8.17	43	2785	3.100 ug/L #	41
50) Dibromochloromethane	8.02	129	2149	1.345 ug/L #	8

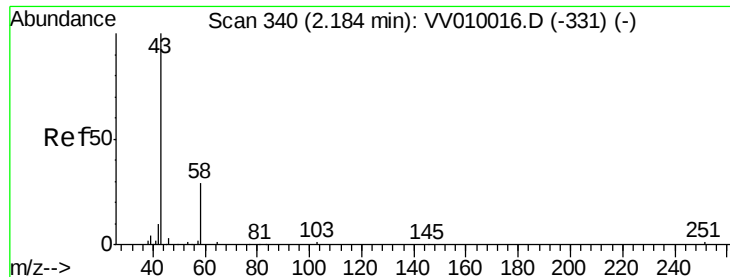
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 30 23:31:11 2019
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#13

Acetone

Concen: 4.434 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV010023.D

Acq: 30 Mar 2019 16:44

Instrument :

MSVOA_V

ClientSampleId :

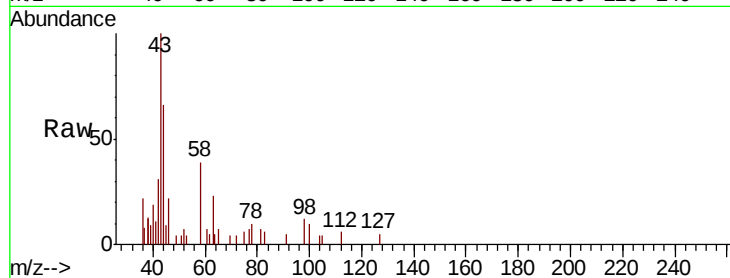
BF0K7

Tgt Ion: 43 Resp: 3626

Ion Ratio Lower Upper

43 100

58 38.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

2500

2000

1500

1000

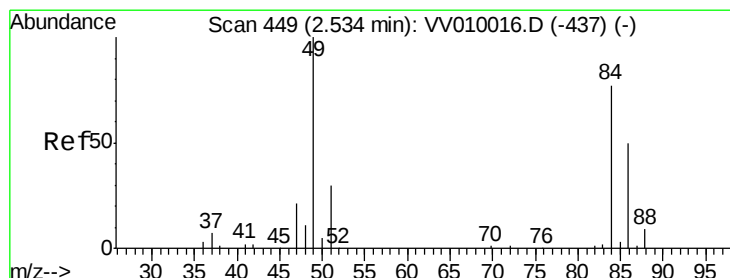
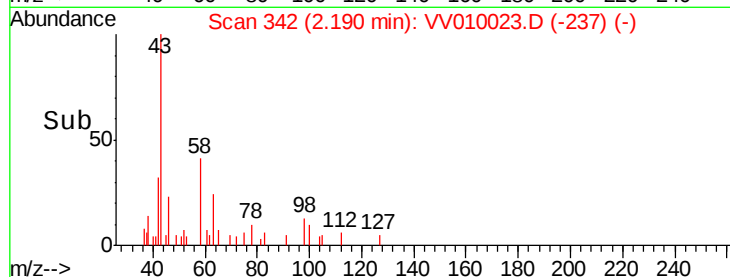
500

0

Time-->

2.15

2.20



#16

Methylene chloride

Concen: 2.361 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010023.D

Acq: 30 Mar 2019 16:44

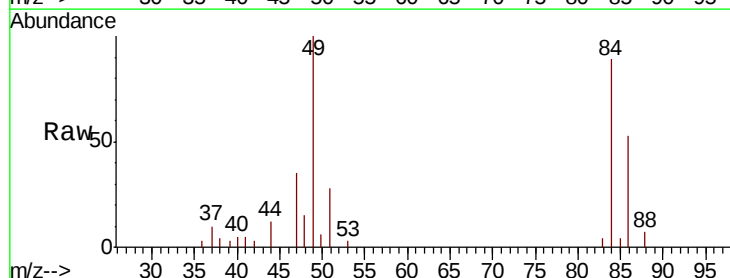
Tgt Ion: 84 Resp: 5553

Ion Ratio Lower Upper

84 100

49 112.3 90.4 167.8

86 59.5 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

5000

4000

3000

2000

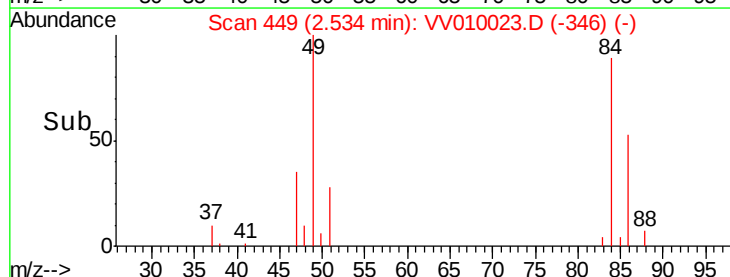
1000

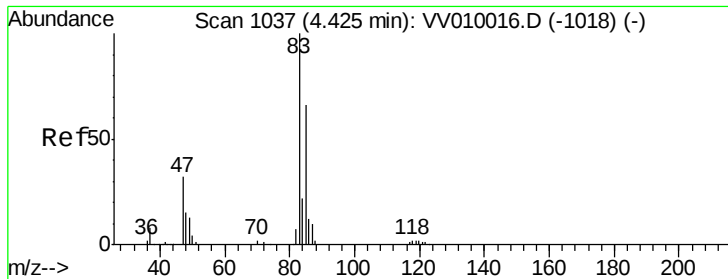
0

Time-->

2.50

2.55





#25

Chloroform

Concen: 5.523 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

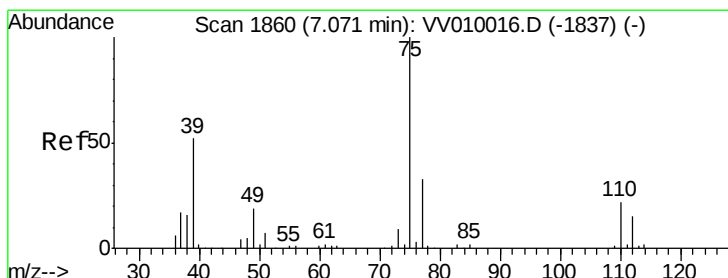
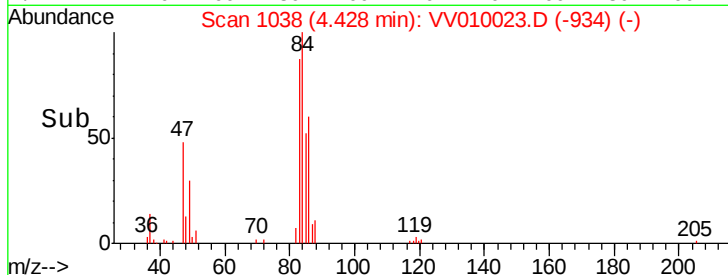
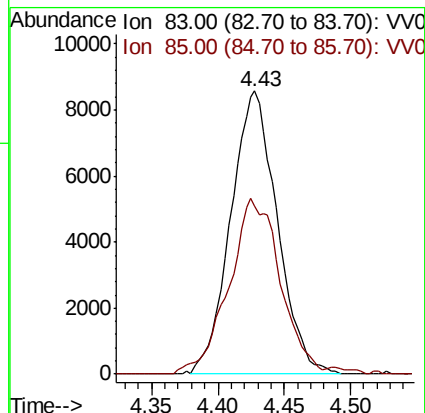
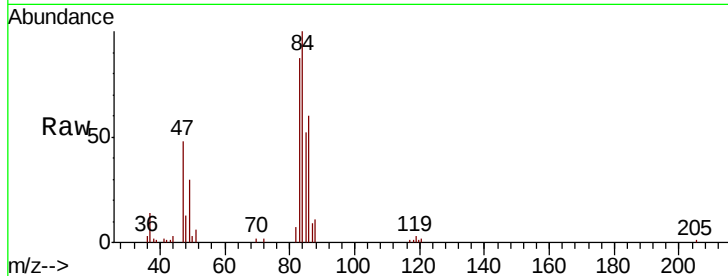
BF0K7

Tgt Ion: 83 Resp: 20904

Ion Ratio Lower Upper

83 100

85 41.1 46.1 85.7#



#42

cis-1,3-Dichloropropene

Concen: 0.686 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV010023.D

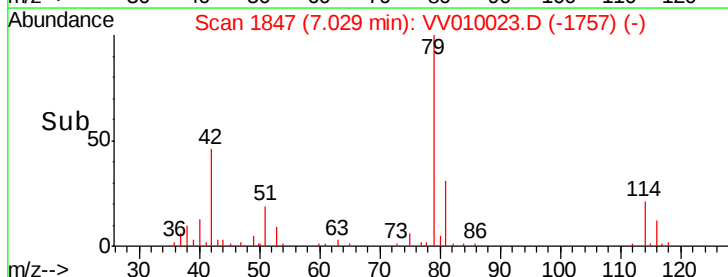
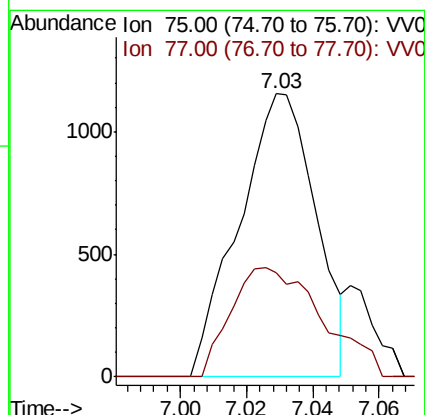
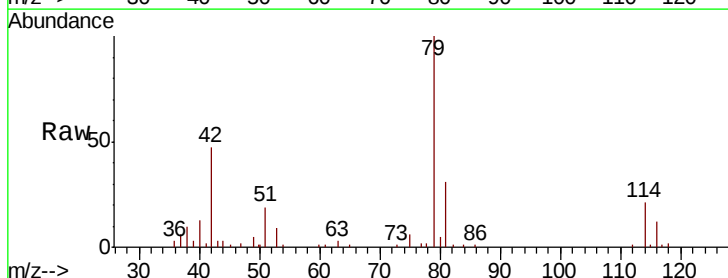
Acq: 30 Mar 2019 16:44

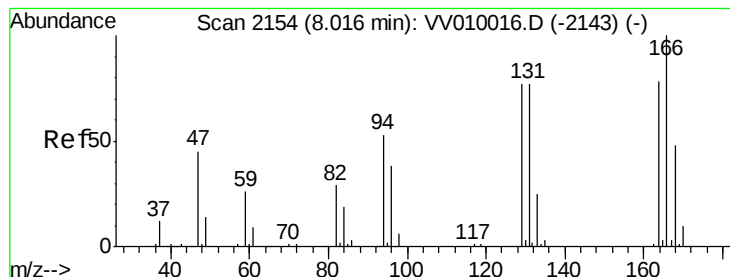
Tgt Ion: 75 Resp: 1863

Ion Ratio Lower Upper

75 100

77 36.7 21.8 40.6





#47

Tetrachloroethene

Concen: 1.658 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010023.D

Acq: 30 Mar 2019 16:44

Instrument :

MSVOA_V

ClientSampled :

BF0K7

Tgt Ion:164 Resp: 2572

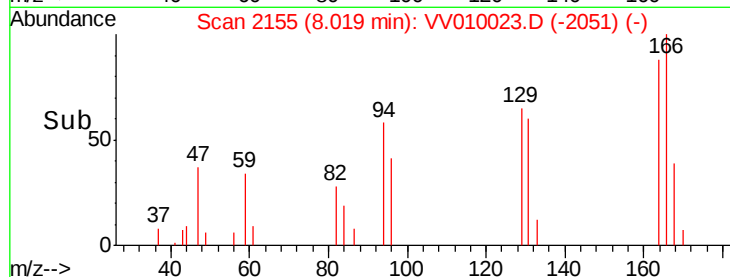
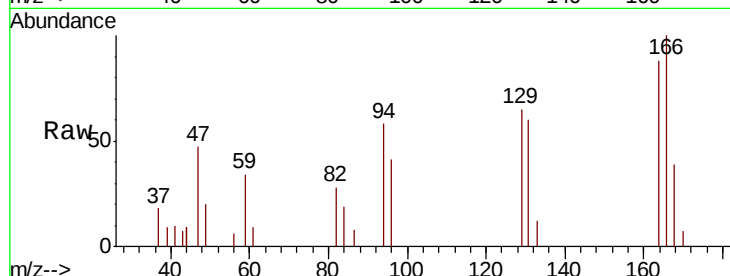
Ion Ratio Lower Upper

164 100

129 73.8 64.9 120.5

131 68.2 62.0 115.2

166 114.1 82.9 153.9

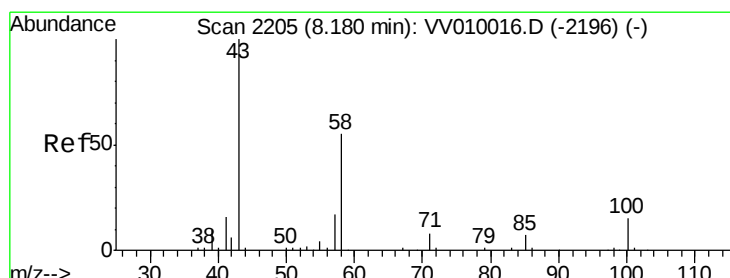
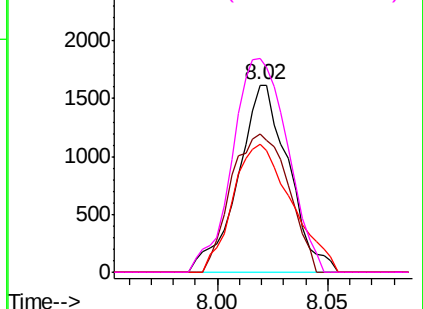


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 3.100 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. -0.01 min

Lab File: VV010023.D

Acq: 30 Mar 2019 16:44

Tgt Ion: 43 Resp: 2785

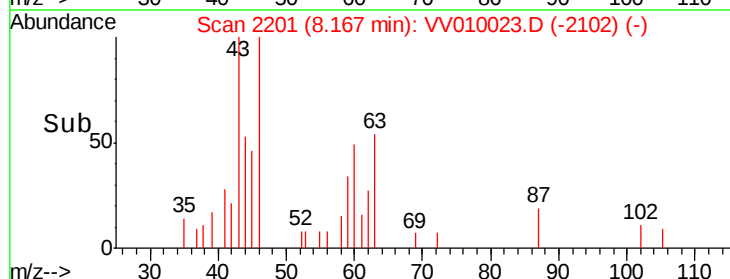
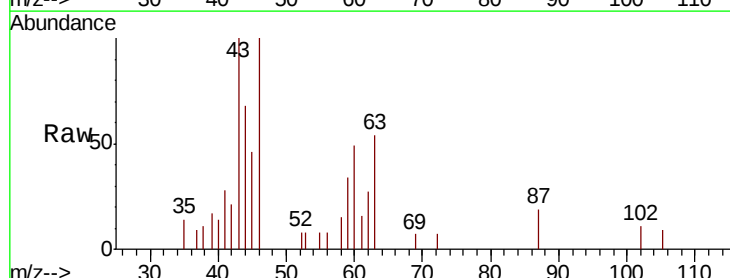
Ion Ratio Lower Upper

43 100

58 0.0 42.0 63.0#

57 2.7 12.9 19.3#

100 0.0 9.1 13.7#

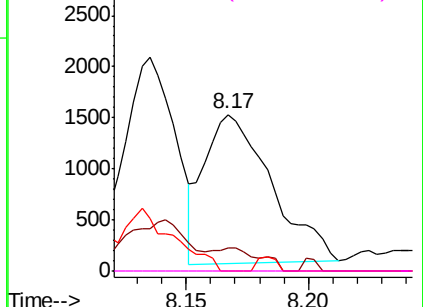


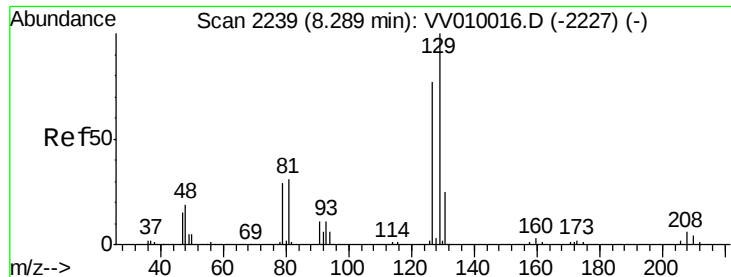
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#50

Dibromochloromethane

Concen: 1.345 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV010023.D

Acq: 30 Mar 2019 16:44

Instrument :

MSVOA_V

ClientSampleId :

BF0K7

Tgt Ion:129 Resp: 2149

Ion Ratio Lower Upper

129 100

127 0.0 57.9 107.5#

