

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
 Data File : VV010094.D
 Acq On : 03 Apr 2019 15:52
 Operator : SY/MD
 Sample : K2215-08
 Misc : 4.52G/10mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF2M9

Quant Time: Apr 04 06:05:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:01:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	244202	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	238659	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	103309	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62486	19.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.44%
7) Chloroethane-d5	1.57	69	67794	16.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.80%
10) 1,1-Dichloroethene-d2	2.12	63	134672	16.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.32%
20) 2-Butanone-d5	4.05	46	81	0.09	ug/L	0.11
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.18%#
24) Chloroform-d	4.40	84	142483	23.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.64%
26) 1,2-Dichloroethane-d4	5.08	65	87441	25.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.60%
29) Benzene-d6	5.10	84	291712	23.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.28%
33) 1,2-Dichloropropane-d6	6.12	67	87950	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.32%
37) Toluene-d8	7.36	98	274087	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.96%
38) trans-1,3-Dichloropropene-	7.67	79	30286	19.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.60%
39) 2-Hexanone-d5	8.14	63	27256	37.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	87261	24.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	103158	25.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.52%

Target Compounds

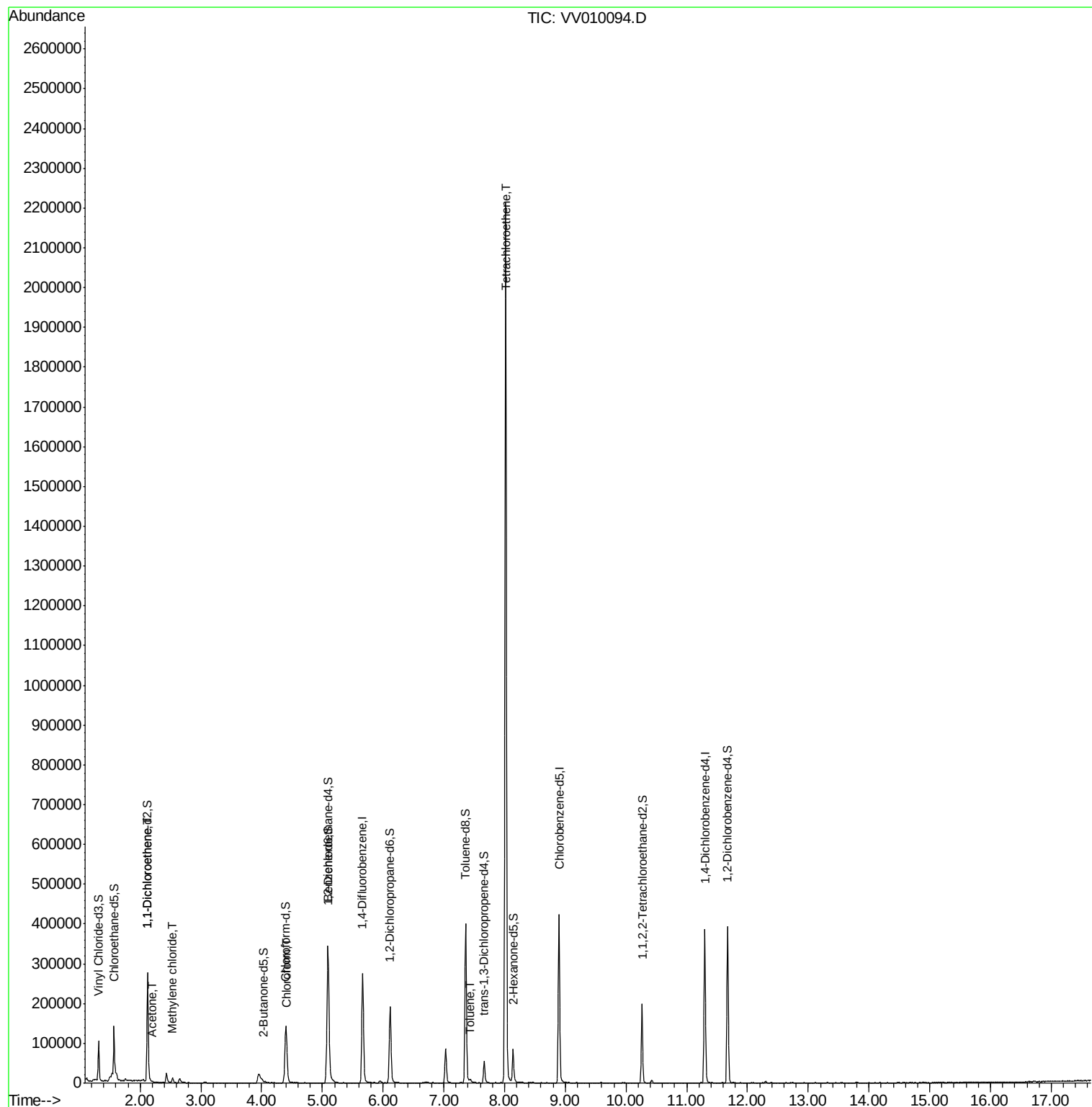
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.13	96	6374	1.909	ug/L	# 1
13) Acetone	2.20	43	1123	1.221	ug/L	84
16) Methylene chloride	2.53	84	5035	1.174	ug/L	98
25) Chloroform	4.43	83	2744	0.494	ug/L	87
44) Toluene	7.43	91	6081	0.464	ug/L	97
47) Tetrachloroethene	8.02	164	472940	168.196	ug/L	96

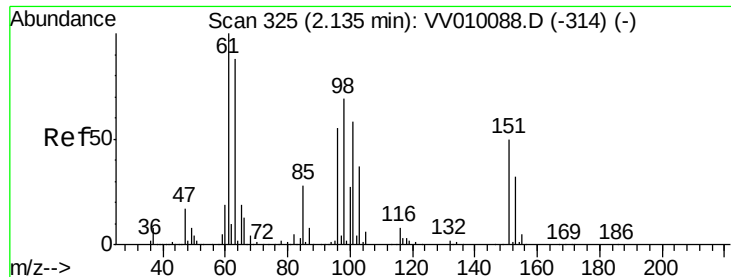
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:01:11 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.909 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

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MSVOA_V

ClientSampleId :

BF2M9

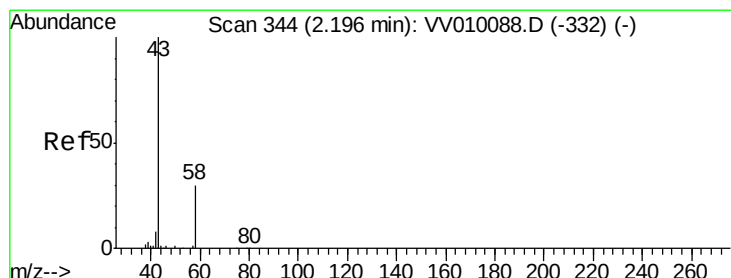
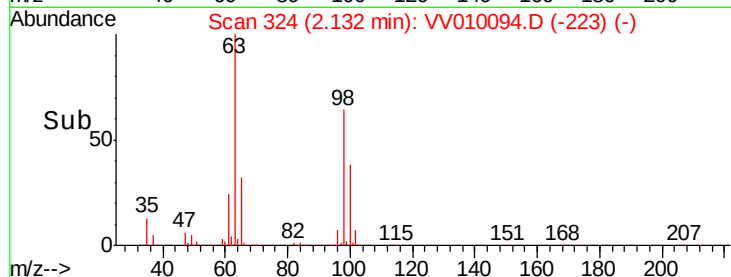
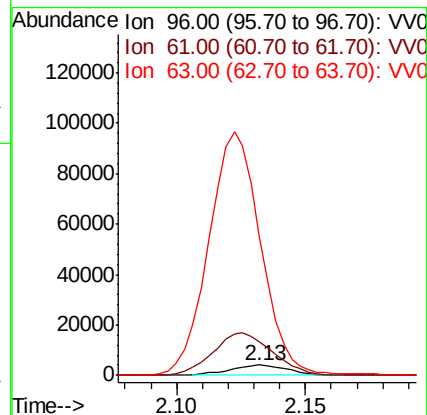
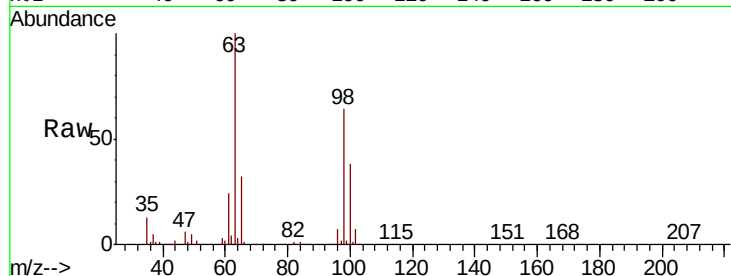
Tgt Ion: 96 Resp: 6374

Ion Ratio Lower Upper

96 100

61 322.7 127.8 237.4#

63 1336.8 112.6 209.2#



#13

Acetone

Concen: 1.221 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV010094.D

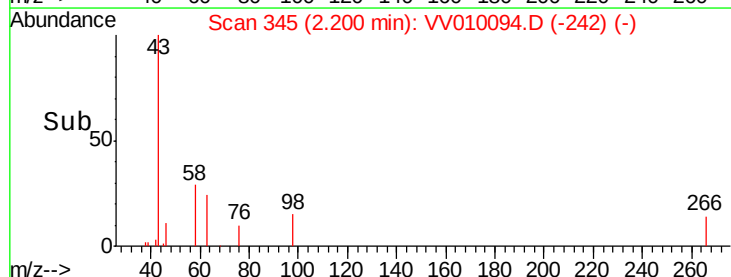
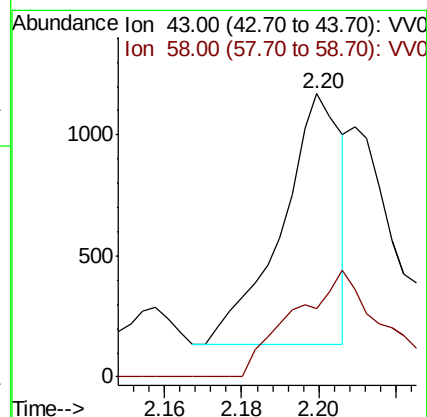
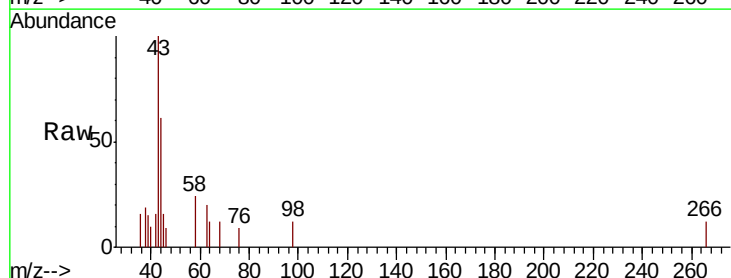
Acq: 03 Apr 2019 15:52

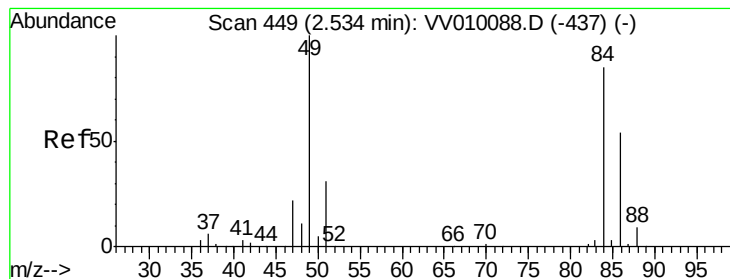
Tgt Ion: 43 Resp: 1123

Ion Ratio Lower Upper

43 100

58 23.2 0.0 64.6





#16

Methylene chloride

Concen: 1.174 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.01 min

Lab File: VV010094.D

Acq: 03 Apr 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

BF2M9

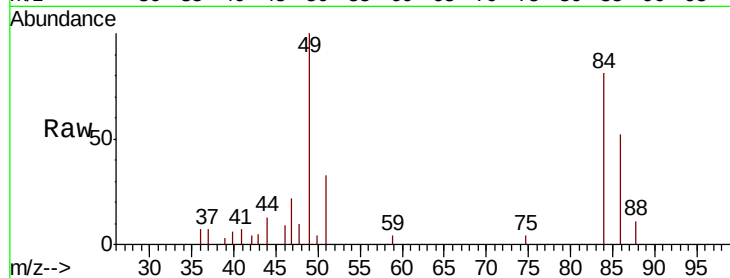
Tgt Ion: 84 Resp: 5035

Ion Ratio Lower Upper

84 100

49 123.6 84.3 156.5

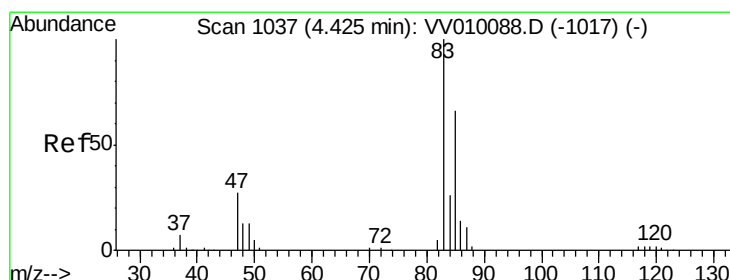
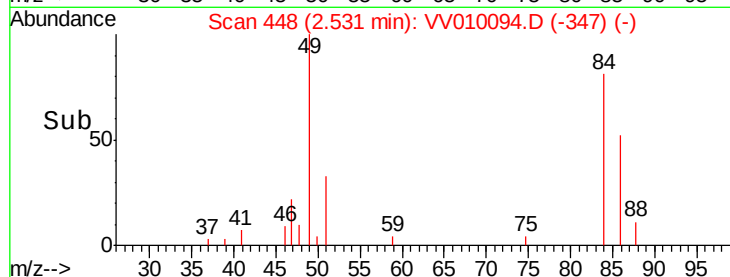
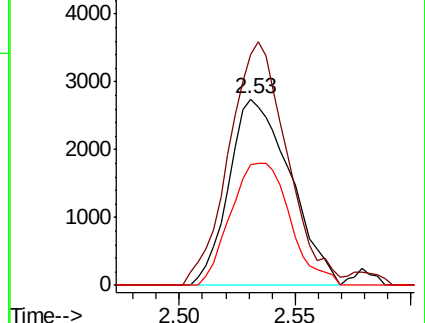
86 64.4 45.4 84.2



Abundance Ion 84.00 (83.70 to 84.70): VV010088.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV010088.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010088.D (-437) (-)



#25

Chloroform

Concen: 0.494 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV010094.D

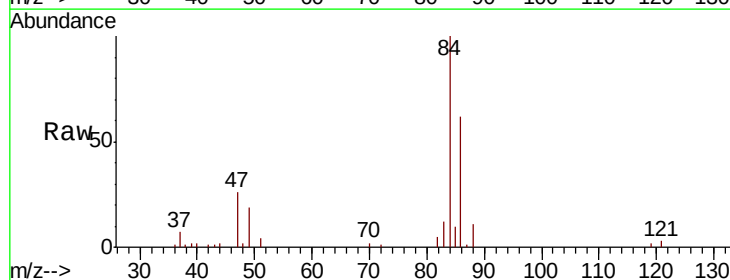
Acq: 03 Apr 2019 15:52

Tgt Ion: 83 Resp: 2744

Ion Ratio Lower Upper

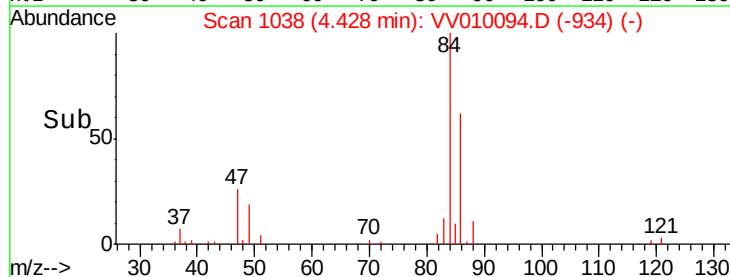
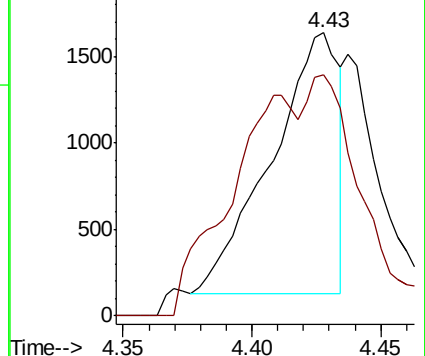
83 100

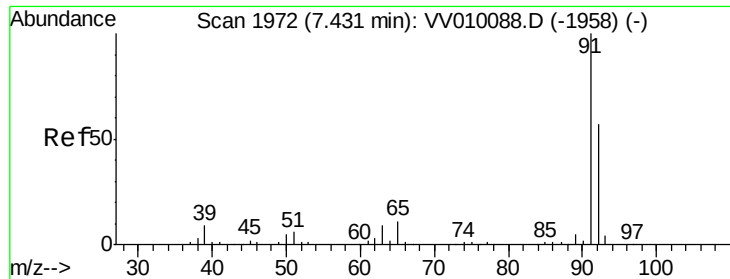
85 77.0 46.4 86.2



Abundance Ion 83.00 (82.70 to 83.70): VV010088.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV010088.D (-1017) (-)





#44

Toluene

Concen: 0.464 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010094.D

Acq: 03 Apr 2019 15:52

Instrument :

MSVOA_V

ClientSampleId :

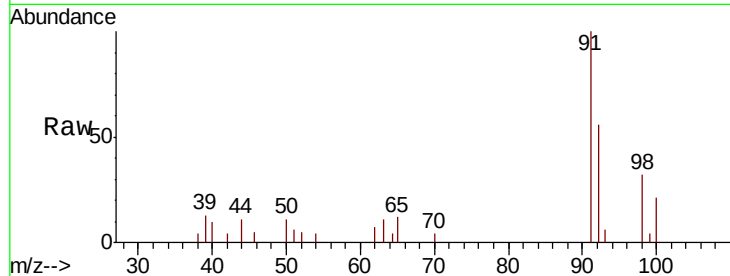
BF2M9

Tgt Ion: 91 Resp: 6081

Ion Ratio Lower Upper

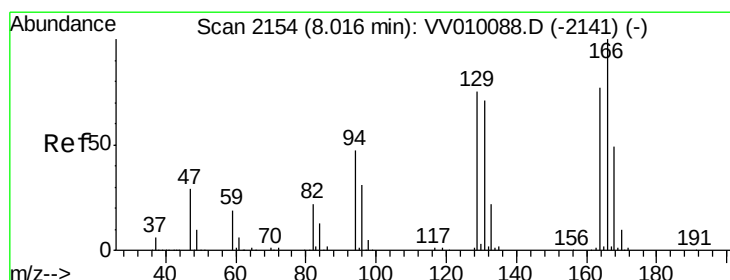
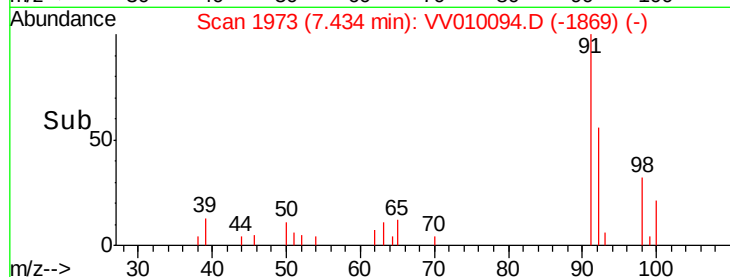
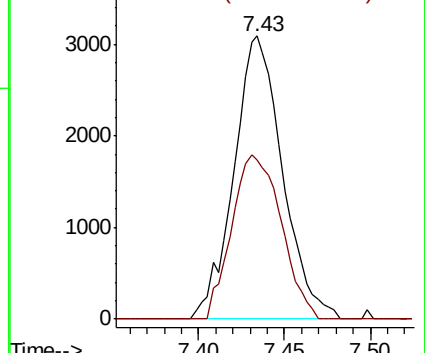
91 100

92 56.1 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010088.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010088.D (-1958) (-)



#47

Tetrachloroethene

Concen: 168.196 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV010094.D

Acq: 03 Apr 2019 15:52

Tgt Ion: 164 Resp: 472940

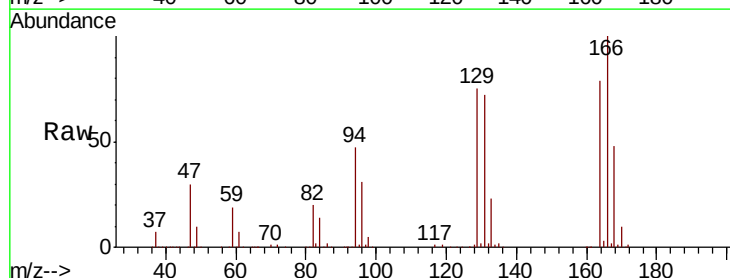
Ion Ratio Lower Upper

164 100

129 94.3 67.8 125.8

131 91.0 65.2 121.0

166 126.2 93.8 174.2



Abundance Ion 164.00 (163.70 to 164.70): VV010088.D (-2141) (-)

Ion 129.00 (128.70 to 129.70): VV010088.D (-2141) (-)

Ion 131.00 (130.70 to 131.70): VV010088.D (-2141) (-)

Ion 166.00 (165.70 to 166.70): VV010088.D (-2141) (-)

