

Data File : VV011152.D
Acq On : 30 May 2019 22:53
Operator : SY/MD
Sample : K3083-04
Misc : 4.59G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51F7

Manual Integrations
APPROVED

MMDadoda
6/1/2019 4:45:13 AM

Quant Time: May 31 15:05:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	292926	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	228750	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	64261	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	82743	20.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.52%
7) Chloroethane-d5	1.57	69	69863	22.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.72%
10) 1,1-Dichloroethene-d2	2.12	63	135435	16.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.60%
20) 2-Butanone-d5	3.94	46	68952	47.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.20%
24) Chloroform-d	4.40	84	169427	23.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.64%
26) 1,2-Dichloroethane-d4	5.08	65	106441	22.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.24%
29) Benzene-d6	5.09	84	346567	27.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.60%
33) 1,2-Dichloropropane-d6	6.12	67	112419	28.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.96%
37) Toluene-d8	7.36	98	288810	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.56%
38) trans-1,3-Dichloropropene-	7.66	79	43343	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.24%
39) 2-Hexanone-d5	8.13	63	51061	56.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.88%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	77214	21.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.08%
61) 1,2-Dichlorobenzene-d4	11.67	152	51283	21.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.32%

Target Compounds						Qvalue
13) Acetone	2.19	43	147800	87.706	ug/L	98
15) Methyl Acetate	2.46	43	116661	46.007	ug/L	99
21) 2-Butanone	4.03	43	18490m	9.352	ug/L	
35) Trichloroethene	5.96	95	57823	16.262	ug/L	98
44) Toluene	7.43	91	13759	0.930	ug/L	96
47) Tetrachloroethene	8.02	164	2142	0.813	ug/L	91

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

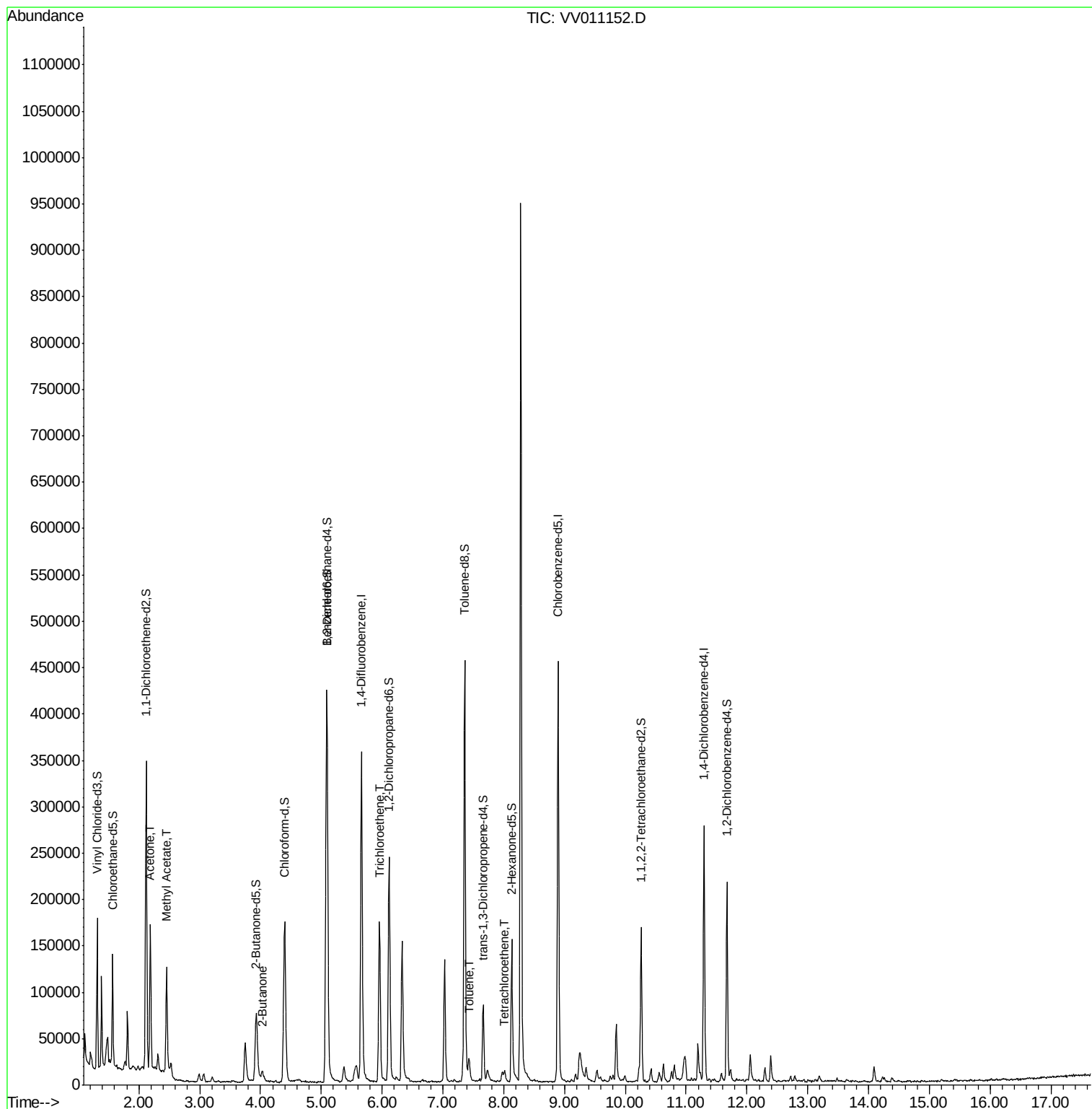
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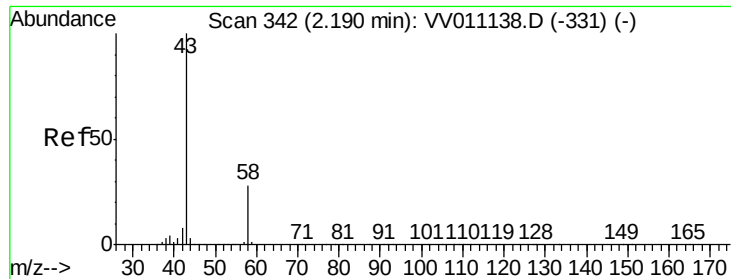
Instrument :
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Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration





#13

Acetone

Concen: 87.706 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV011152.D

Acq: 30 May 2019 22:53

Instrument :

MSVOA_V

ClientSampleId :

A51F7

Tgt Ion: 43 Resp: 147800

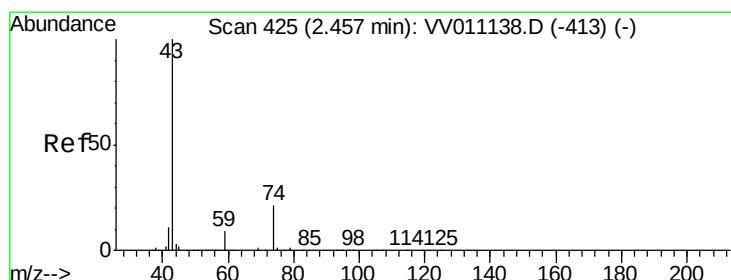
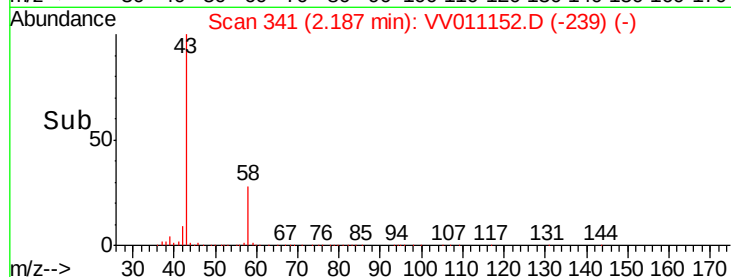
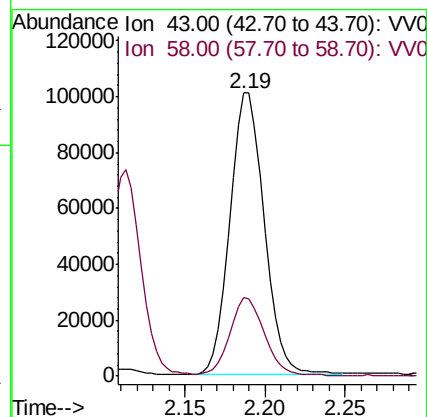
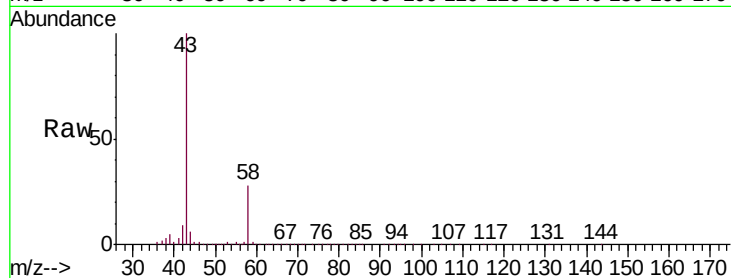
Ion Ratio Lower Upper

43 100

58 28.0 0.0 53.8

Manual Integrations
APPROVED

MMDadoda
6/1/2019 4:45:13 AM



#15

Methyl Acetate

Concen: 46.007 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV011152.D

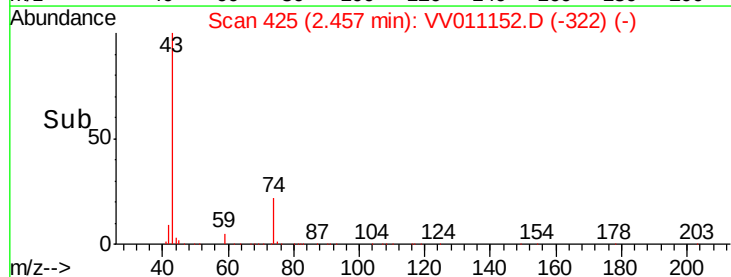
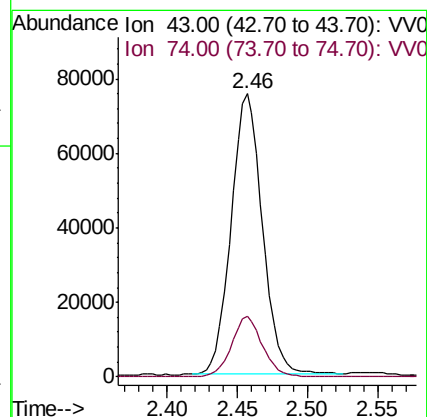
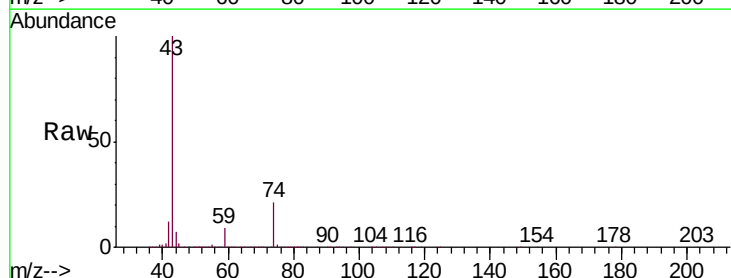
Acq: 30 May 2019 22:53

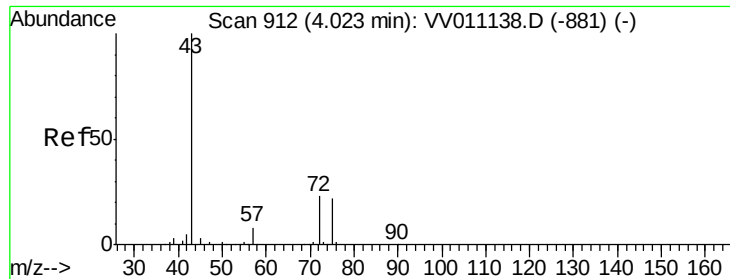
Tgt Ion: 43 Resp: 116661

Ion Ratio Lower Upper

43 100

74 20.7 16.2 24.4





#21

2-Butanone

Concen: 9.352 ug/L m

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV011152.D

Acq: 30 May 2019 22:53

Instrument :

MSVOA_V

ClientSampleId :

A51F7

Tgt Ion: 43 Resp: 18490

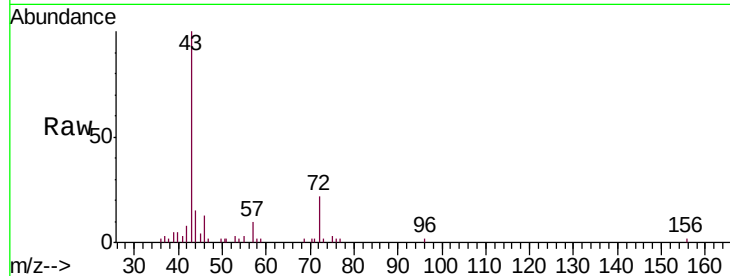
Ion Ratio Lower Upper

43 100

72 0.2 11.1 33.3#

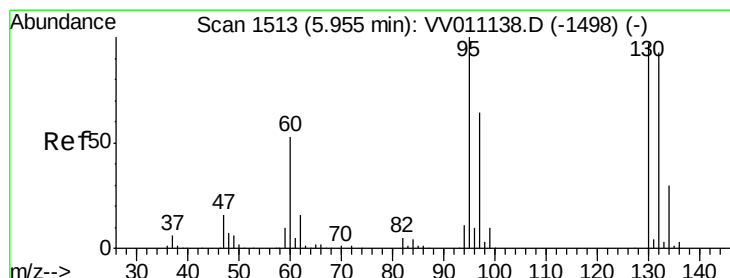
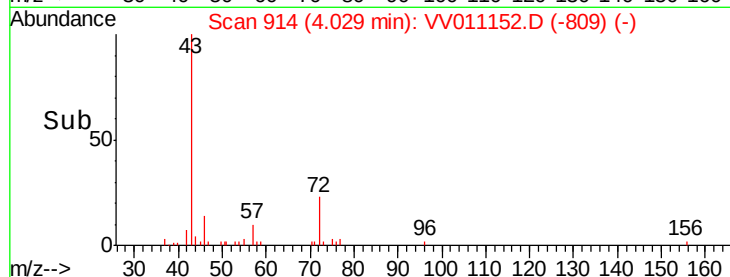
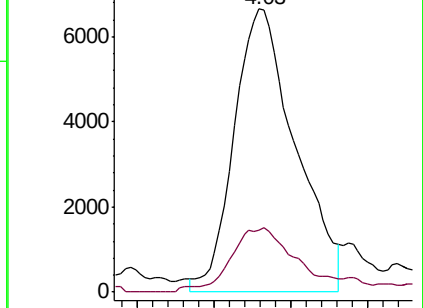
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Abundance Ion 43.00 (42.70 to 43.70): VV011138.D (-881) (-)

Ion 72.00 (71.70 to 72.70): VV011138.D (-881) (-)



#35

Trichloroethene

Concen: 16.262 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011152.D

Acq: 30 May 2019 22:53

Tgt Ion: 95 Resp: 57823

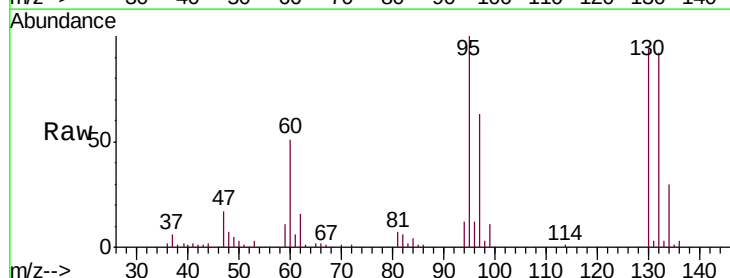
Ion Ratio Lower Upper

95 100

97 62.7 44.4 82.5

132 90.5 66.0 122.6

130 96.5 67.4 125.2

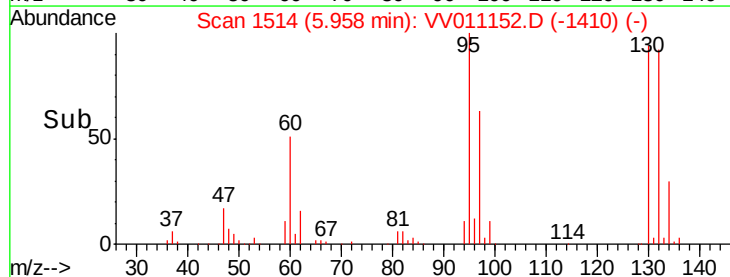
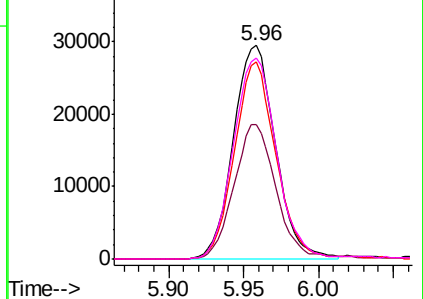


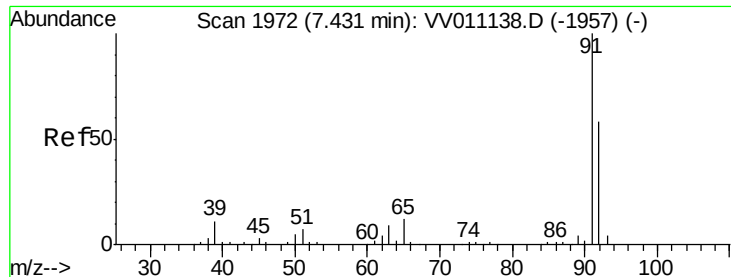
Abundance Ion 95.00 (94.70 to 95.70): VV011138.D (-1498) (-)

Ion 97.00 (96.70 to 97.70): VV011138.D (-1498) (-)

Ion 132.00 (131.70 to 132.70): VV011138.D (-1498) (-)

Ion 130.00 (129.70 to 130.70): VV011138.D (-1498) (-)





#44

Toluene

Concen: 0.930 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV011152.D

Acq: 30 May 2019 22:53

Instrument :

MSVOA_V

ClientSampleId :

A51F7

Tgt Ion: 91 Resp: 13759

Ion Ratio Lower Upper

91 100

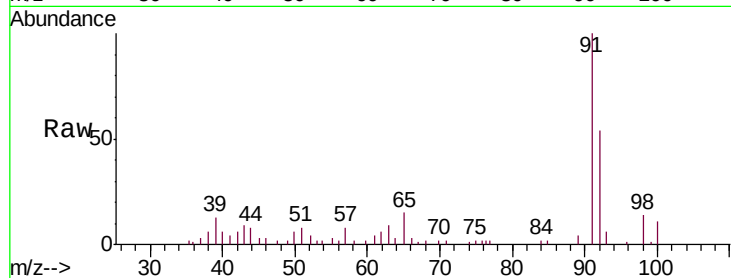
92 53.8 39.9 74.1

Manual Integrations

APPROVED

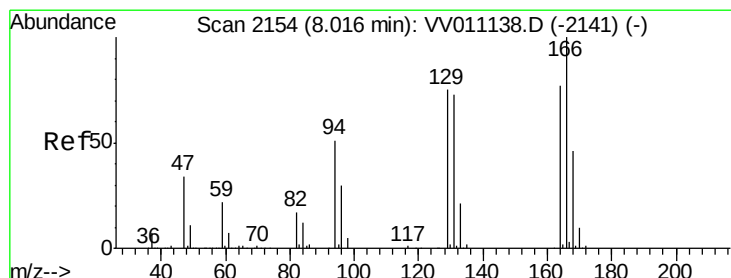
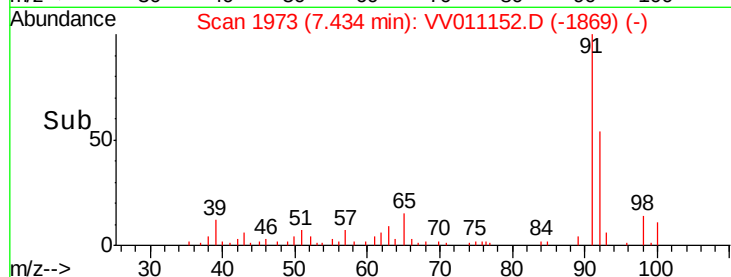
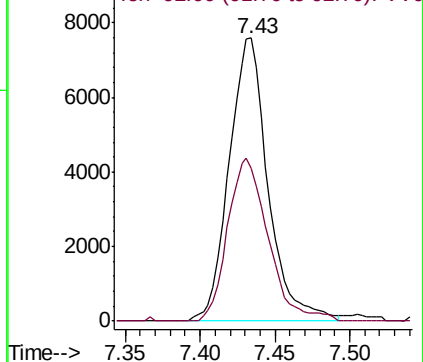
MMDadoda

6/1/2019 4:45:13 AM



Abundance Ion 91.00 (90.70 to 91.70): VV011138.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV011138.D (-1957) (-)



#47

Tetrachloroethene

Concen: 0.813 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011152.D

Acq: 30 May 2019 22:53

Tgt Ion: 164 Resp: 2142

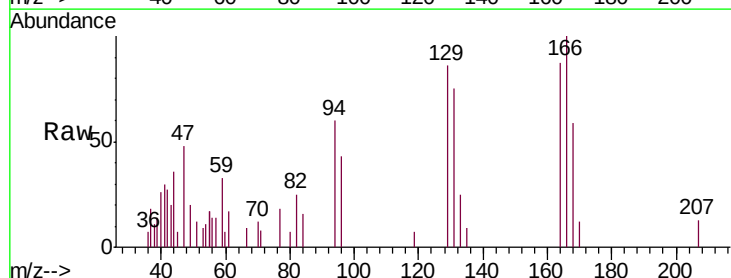
Ion Ratio Lower Upper

164 100

129 98.2 69.1 128.3

131 85.7 65.5 121.6

166 114.9 93.2 173.0



Abundance Ion 164.00 (163.70 to 164.70): VV011138.D (-2141) (-)

Ion 129.00 (128.70 to 129.70): VV011138.D (-2141) (-)

Ion 131.00 (130.70 to 131.70): VV011138.D (-2141) (-)

Ion 166.00 (165.70 to 166.70): VV011138.D (-2141) (-)

