

Data File : VV010917.D
Acq On : 16 May 2019 01:58
Operator : SY/MD
Sample : K2788-19
Misc : 7.09G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51B1

Quant Time: May 16 08:14:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 08:09:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	143637	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	141551	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56796	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	34557	18.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.52%
7) Chloroethane-d5	1.56	69	28487	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.56%
10) 1,1-Dichloroethene-d2	2.12	63	52042	15.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.12%
20) 2-Butanone-d5	3.93	46	37352	64.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.76%
24) Chloroform-d	4.39	84	88585	21.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.44%
26) 1,2-Dichloroethane-d4	5.07	65	56643	24.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.08%
29) Benzene-d6	5.09	84	178516	22.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.12%
33) 1,2-Dichloropropane-d6	6.11	67	61712	24.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.76%
37) Toluene-d8	7.36	98	147988	19.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.64%
38) trans-1,3-Dichloropropene-	7.66	79	23440	21.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.00%
39) 2-Hexanone-d5	8.13	63	27840	58.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.56%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	61698	26.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.44%
61) 1,2-Dichlorobenzene-d4	11.67	152	54379	22.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.68%

Target Compounds

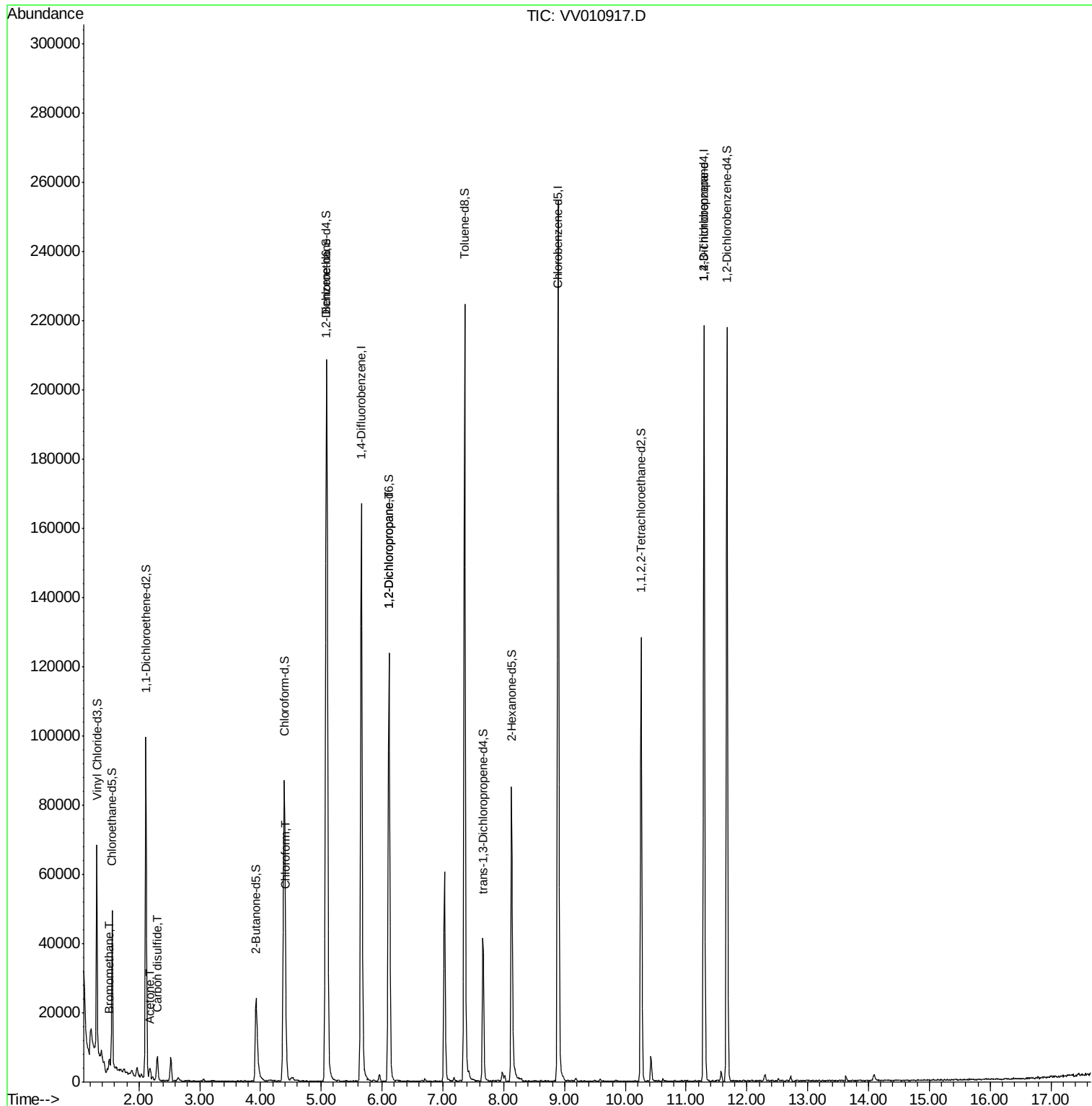
					Qvalue
6) Bromomethane	1.51	94	780	1.635 ug/L	93
13) Acetone	2.18	43	2481	4.231 ug/L	86
14) Carbon disulfide	2.30	76	7165	1.437 ug/L	100
25) Chloroform	4.42	83	3357	0.811 ug/L	83
40) 1,2-Dichloropropane	6.11	63	6484	2.886 ug/L #	88
59) 1,2,3-Trichloropropane	11.30	75	7492	4.326 ug/L	96

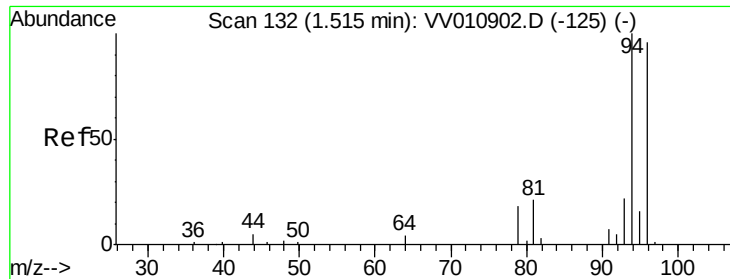
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 1.635 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

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Acq: 16 May 2019 01:58

Instrument :

MSVOA_V

ClientSampleId :

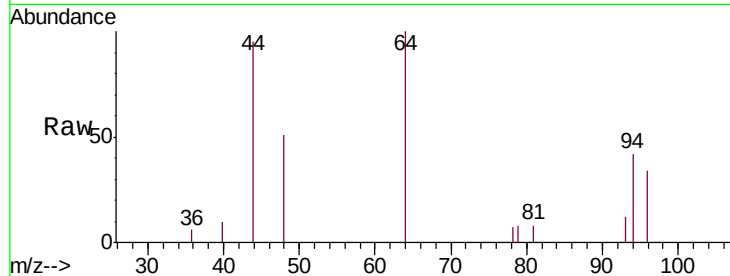
A51B1

Tgt Ion: 94 Resp: 780

Ion Ratio Lower Upper

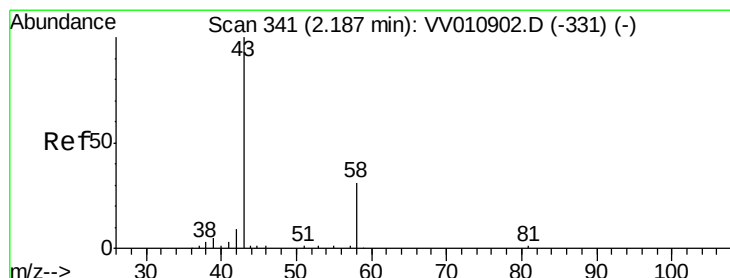
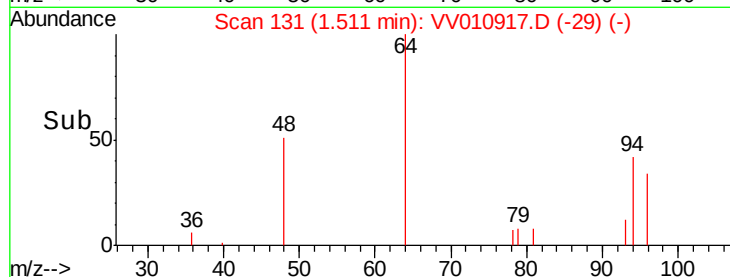
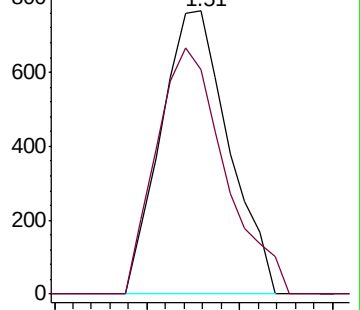
94 100

96 88.3 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



#13

Acetone

Concen: 4.231 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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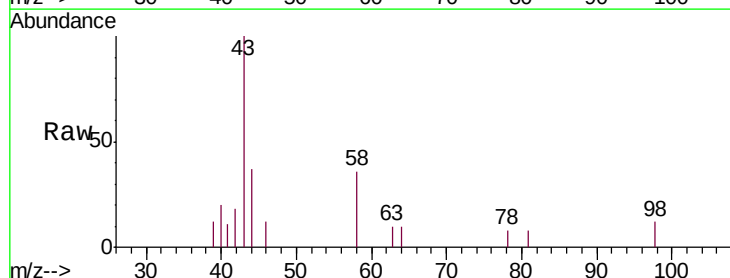
Acq: 16 May 2019 01:58

Tgt Ion: 43 Resp: 2481

Ion Ratio Lower Upper

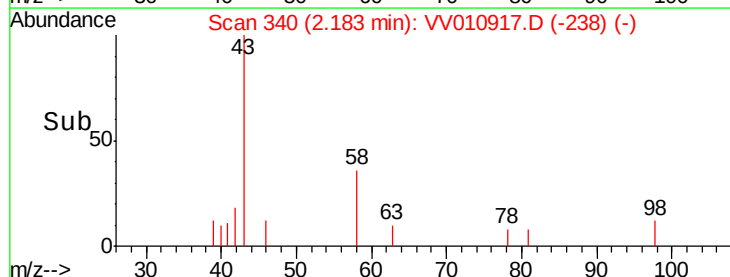
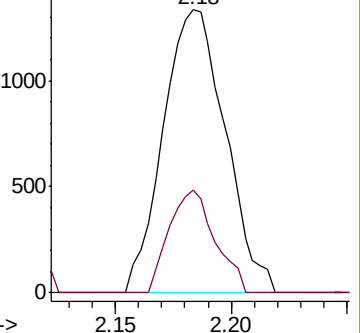
43 100

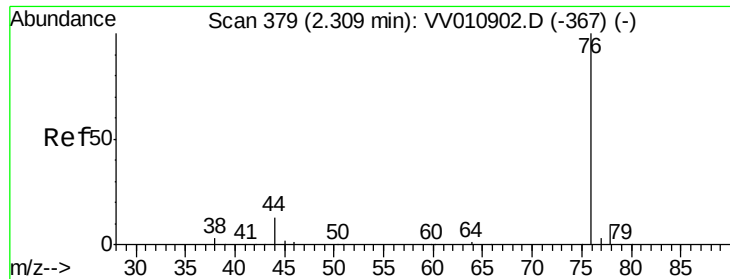
58 26.8 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

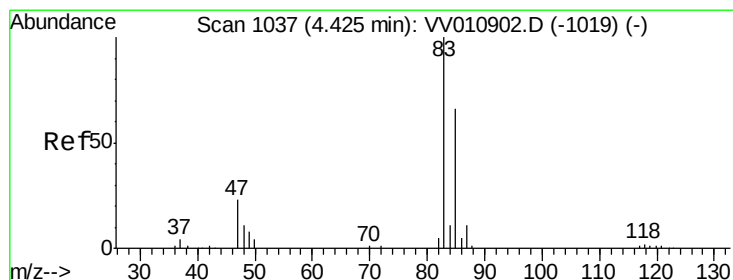
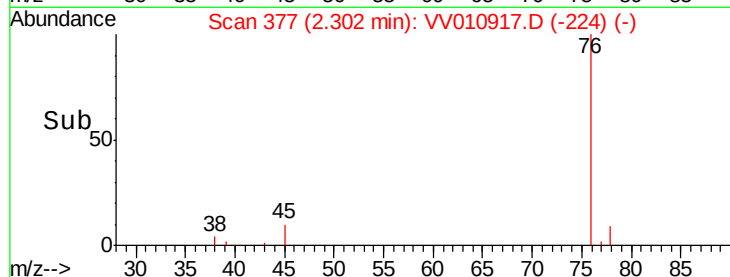
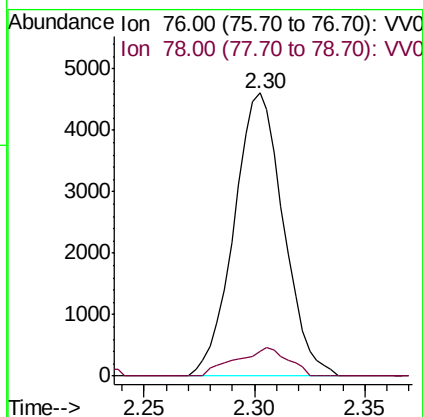
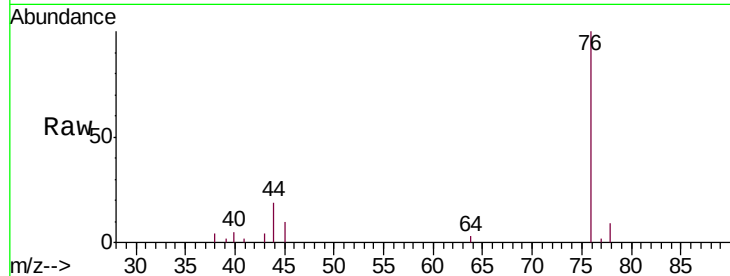




#14
Carbon disulfide
Concen: 1.437 ug/L
RT: 2.30 min Scan# 377
Delta R.T. -0.01 min
Lab File: VV010917.D
Acq: 16 May 2019 01:58

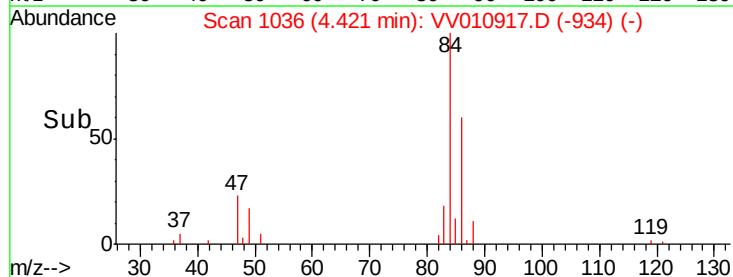
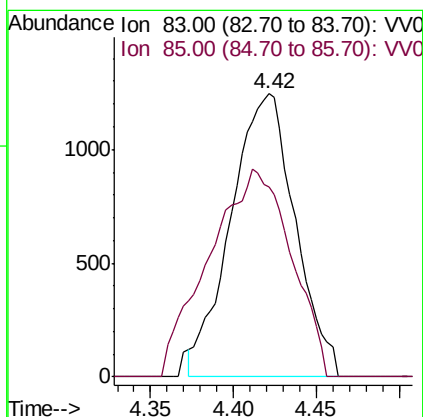
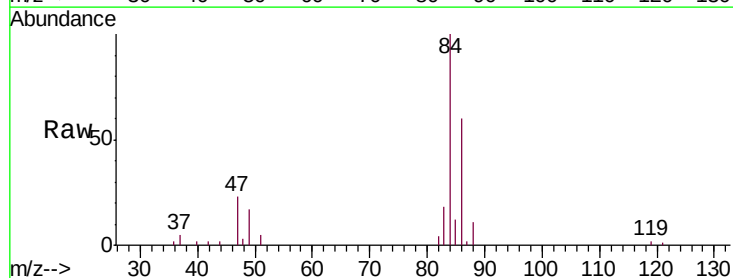
Instrument :
MSVOA_V
ClientSampled :
A51B1

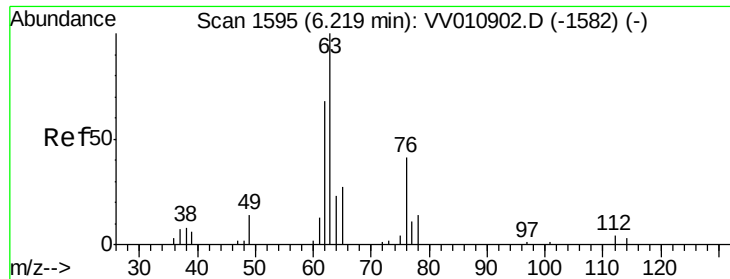
Tgt Ion: 76 Resp: 7165
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#25
Chloroform
Concen: 0.811 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV010917.D
Acq: 16 May 2019 01:58

Tgt Ion: 83 Resp: 3357
Ion Ratio Lower Upper
83 100
85 51.5 45.3 84.1





#40

1,2-Dichloropropane

Concen: 2.886 ug/L

RT: 6.11 min Scan# 1561

Delta R.T. -0.11 min

Lab File: VV010917.D

Acq: 16 May 2019 01:58

Instrument :

MSVOA_V

ClientSampled :

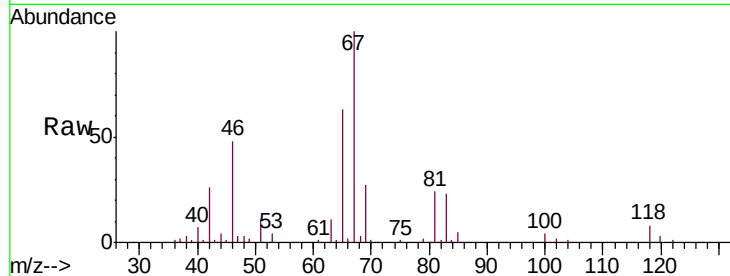
A51B1

Tgt Ion: 63 Resp: 6484

Ion Ratio Lower Upper

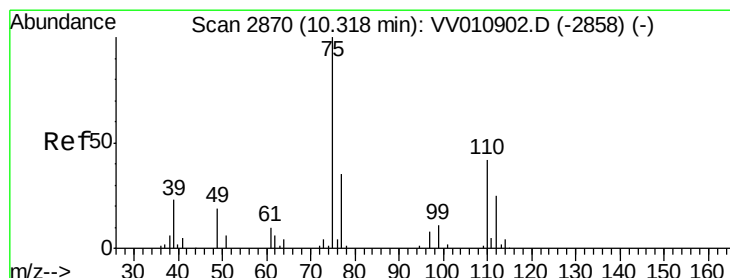
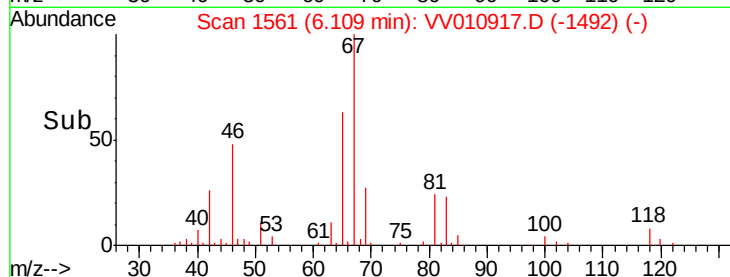
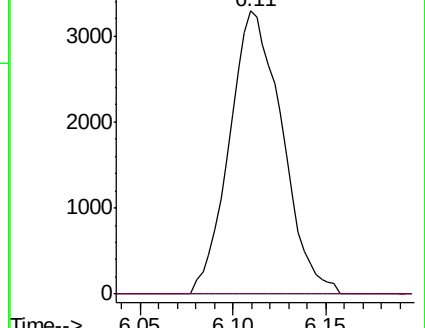
63 100

112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VV010917.D (-1492) (-)

Ion 112.00 (111.70 to 112.70): VV010917.D (-1492) (-)



#59

1,2,3-Trichloropropane

Concen: 4.326 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010917.D

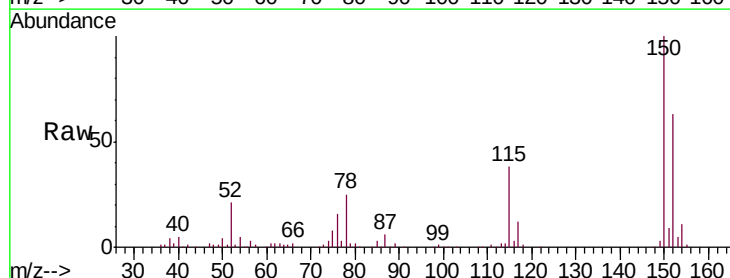
Acq: 16 May 2019 01:58

Tgt Ion: 75 Resp: 7492

Ion Ratio Lower Upper

75 100

77 35.4 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV010917.D (-2248) (-)

Ion 77.00 (76.70 to 77.70): VV010917.D (-2248) (-)

