

Data File : VV011051.D
Acq On : 24 May 2019 04:35
Operator : SY/MD
Sample : K3016-19
Misc : 4.85G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51D6

Quant Time: May 24 09:07:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 09:03:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	85929	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	73951	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	18931	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	15253	15.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.28%
7) Chloroethane-d5	1.56	69	12828	19.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.36%
10) 1,1-Dichloroethene-d2	2.12	63	22575	11.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	47.92%
20) 2-Butanone-d5	3.94	46	25036	74.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	148.14%#
24) Chloroform-d	4.40	84	47045	21.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.52%
26) 1,2-Dichloroethane-d4	5.08	65	31722	24.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.76%
29) Benzene-d6	5.10	84	90667	22.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.84%
33) 1,2-Dichloropropane-d6	6.11	67	33402	26.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.16%
37) Toluene-d8	7.36	98	67342	17.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	71.76%
38) trans-1,3-Dichloropropene-	7.66	79	10988	20.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.44%
39) 2-Hexanone-d5	8.13	63	19759	82.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	165.16%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	34672	27.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	14210	18.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	73.96%#

Target Compounds

					Qvalue
13) Acetone	2.19	43	12327	37.816 ug/L	91
15) Methyl Acetate	2.45	43	11932	19.051 ug/L	93
25) Chloroform	4.42	83	3114	1.208 ug/L	90
35) Trichloroethene	5.66	95	2559	2.173 ug/L #	5
40) 1,2-Dichloropropane	6.12	63	3352	2.992 ug/L #	86
59) 1,2,3-Trichloropropane	11.29	75	2608	2.824 ug/L	89

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
A51D6

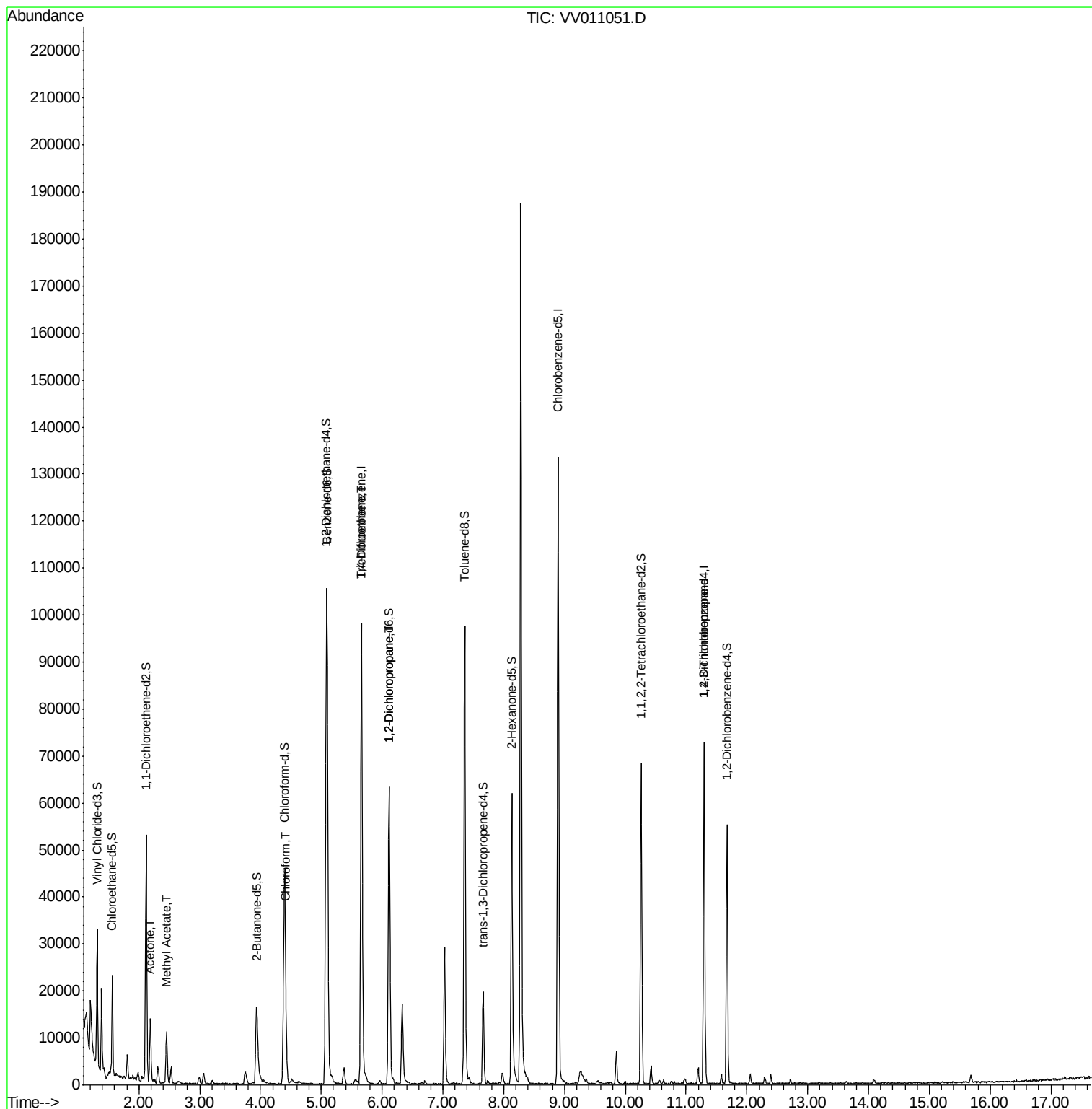
Quant Time: May 24 09:07:43 2019

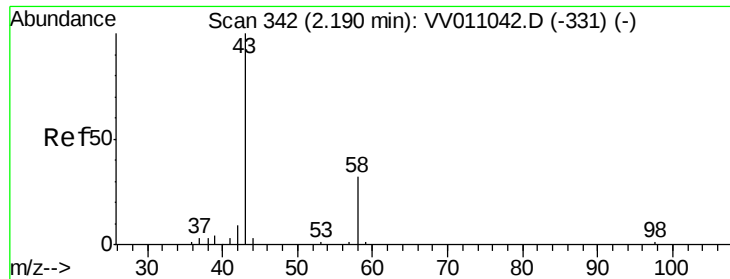
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM052019S.M

Quant Title : VOC Analysis

QLast Update : Fri May 24 09:03:49 2019

Response via : Initial Calibration





#13

Acetone

Concen: 37.816 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

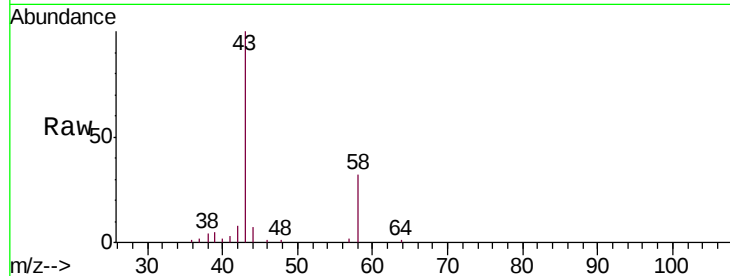
A51D6

Tgt Ion: 43 Resp: 12327

Ion Ratio Lower Upper

43 100

58 35.1 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

8000

6000

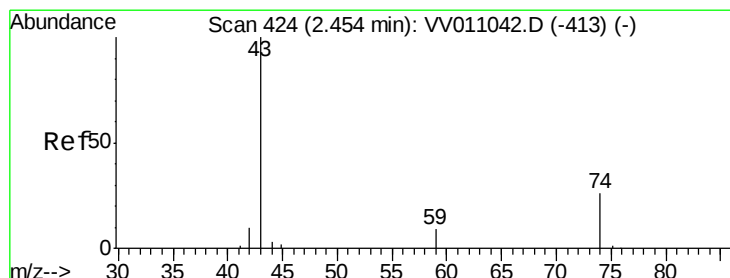
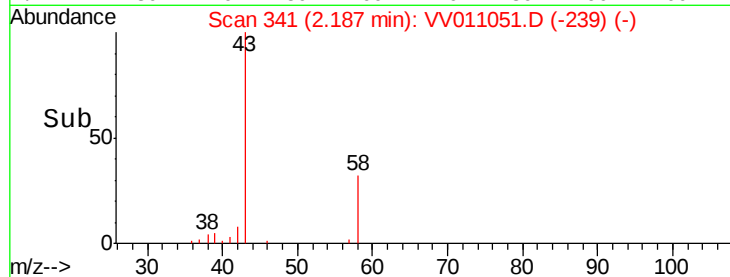
4000

2000

0

Time-->

2.15 2.20 2.25



#15

Methyl Acetate

Concen: 19.051 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV011051.D

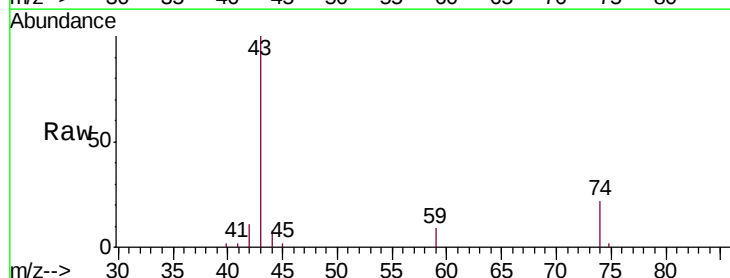
Acq: 24 May 2019 04:35

Tgt Ion: 43 Resp: 11932

Ion Ratio Lower Upper

43 100

74 22.8 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.45

8000

6000

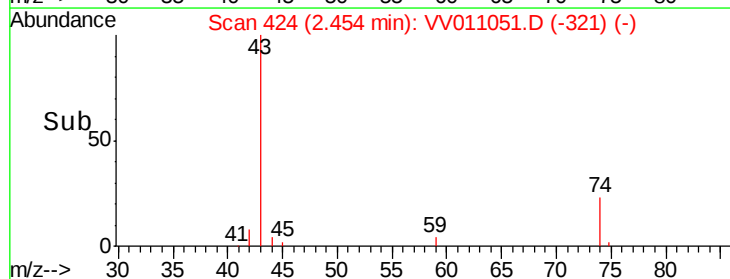
4000

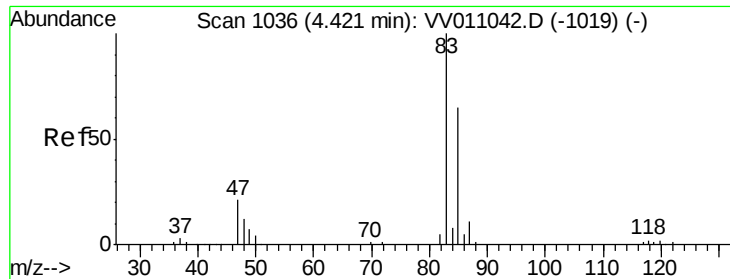
2000

0

Time-->

2.40 2.45 2.50

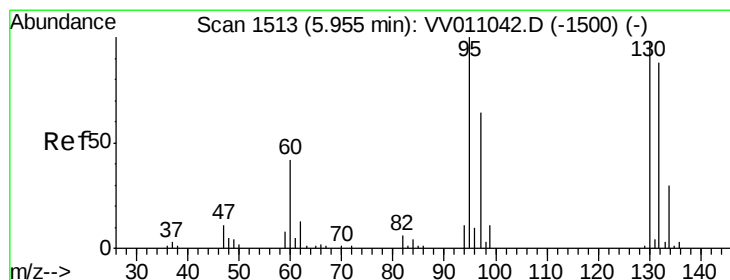
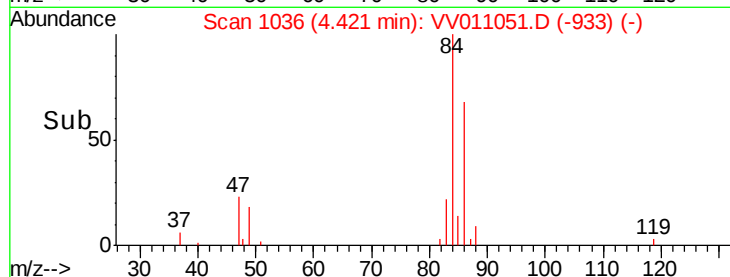
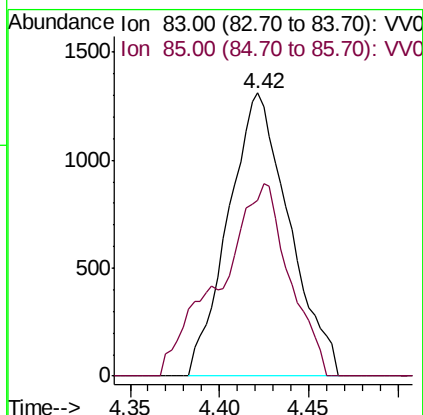
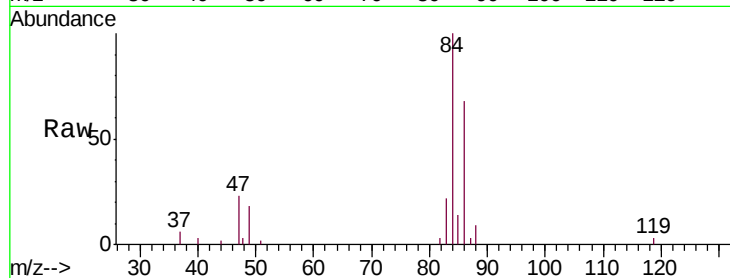




#25
Chloroform
Concen: 1.208 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV011051.D
Acq: 24 May 2019 04:35

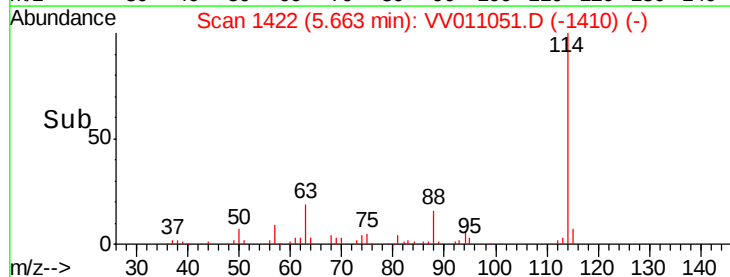
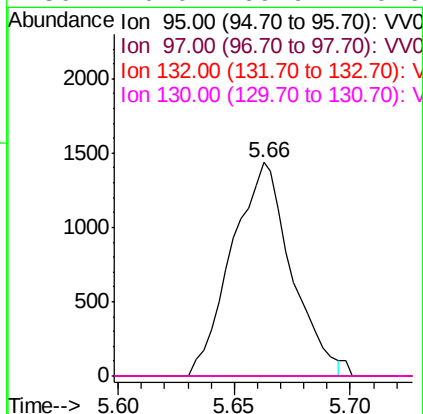
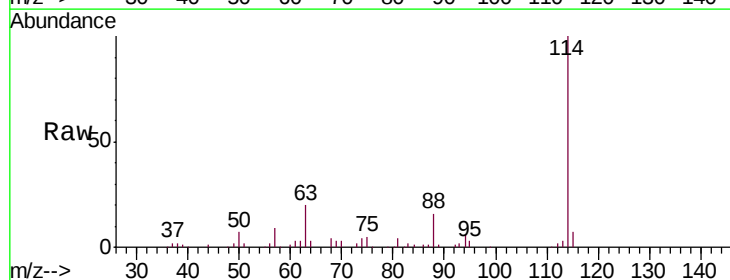
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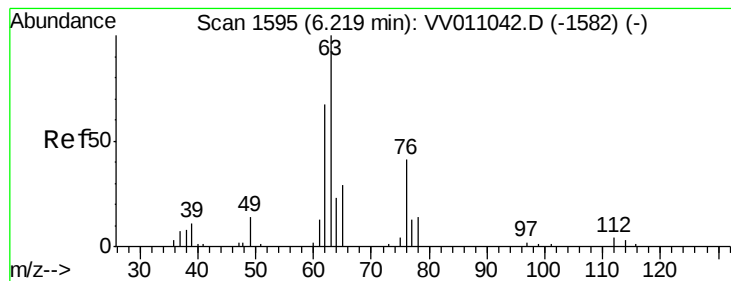
Tgt Ion: 83 Resp: 3114
Ion Ratio Lower Upper
83 100
85 57.7 45.6 84.8



#35
Trichloroethene
Concen: 2.173 ug/L
RT: 5.66 min Scan# 1422
Delta R.T. -0.29 min
Lab File: VV011051.D
Acq: 24 May 2019 04:35

Tgt Ion: 95 Resp: 2559
Ion Ratio Lower Upper
95 100
97 0.0 43.4 80.6#
132 0.0 68.8 127.8#
130 0.0 69.9 129.9#





#40

1,2-Dichloropropane

Concen: 2.992 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV011051.D

Acq: 24 May 2019 04:35

Instrument :

MSVOA_V

ClientSampled :

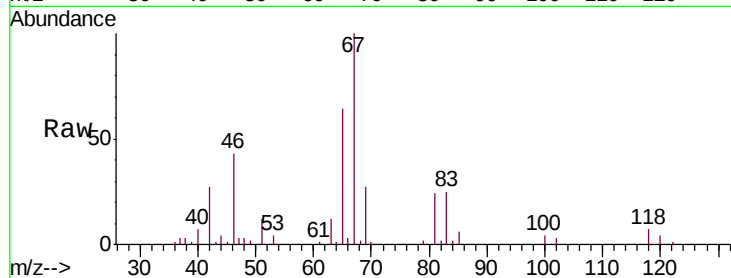
A51D6

Tgt Ion: 63 Resp: 3352

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): VV0

2000

1500

1000

500

0

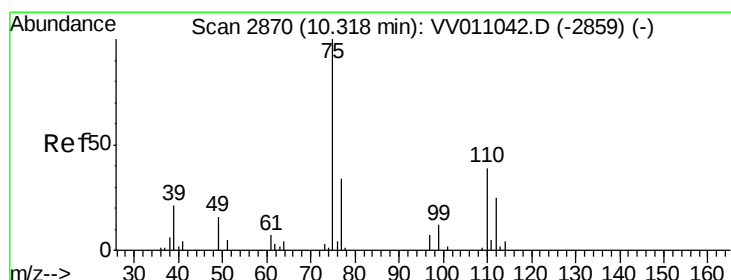
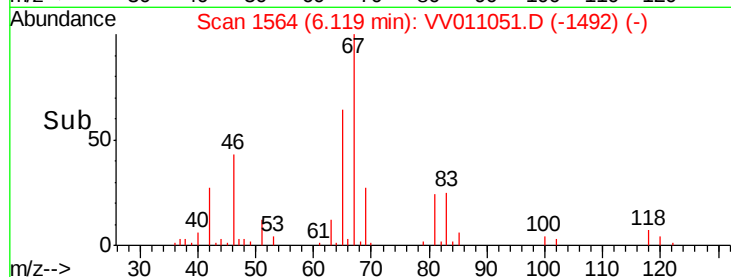
6.05

6.10

6.12

6.15

Time-->



#59

1,2,3-Trichloropropane

Concen: 2.824 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV011051.D

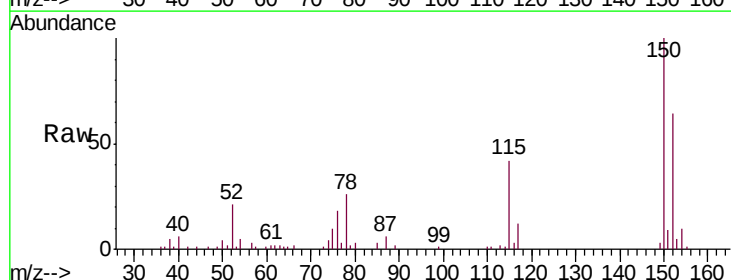
Acq: 24 May 2019 04:35

Tgt Ion: 75 Resp: 2608

Ion Ratio Lower Upper

75 100

77 37.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

2000

1500

1000

500

0

11.25

11.30

11.29

Time-->

