

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102119\
 Data File : VW013636.D
 Acq On : 21 Oct 2019 15:25
 Operator : SY/VA
 Sample : K5422-04
 Misc : 6.93G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AB5

Quant Time: Oct 21 16:41:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 21 16:37:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	343164	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	292375	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	127440	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	114025	27.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.32%
7) Chloroethane-d5	2.89	69	94763	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.44%
10) 1,1-Dichloroethene-d2	4.02	63	170499	18.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.32%
20) 2-Butanone-d5	7.07	46	51003	33.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.74%
24) Chloroform-d	7.65	84	222412	23.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.64%
26) 1,2-Dichloroethane-d4	8.30	65	112718	22.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.80%
29) Benzene-d6	8.27	84	482415	27.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.84%
33) 1,2-Dichloropropane-d6	9.27	67	142964	27.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.00%
37) Toluene-d8	10.32	98	424777	26.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.88%
38) trans-1,3-Dichloropropene-	10.58	79	53610	22.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.60%
39) 2-Hexanone-d5	10.93	63	42346	42.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94668	22.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	103955	23.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.32%

Target Compounds

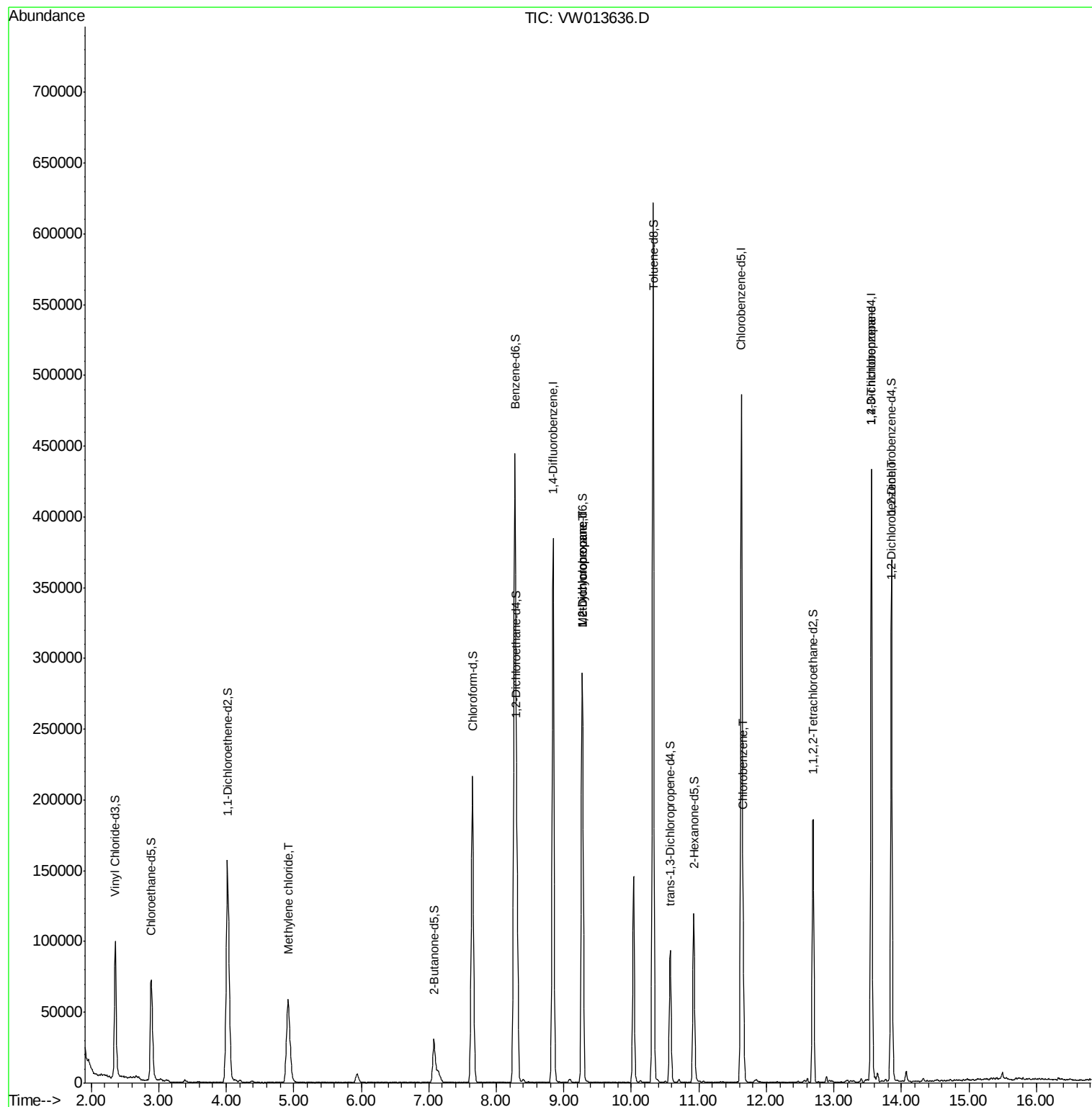
					Ovalue
16) Methylene chloride	4.92	84	54019	8.221 ug/L	95
36) Methylcyclohexane	9.27	83	34588	3.646 ug/L #	20
40) 1,2-Dichloropropane	9.27	63	14874	2.900 ug/L #	85
52) Chlorobenzene	11.66	112	51302	3.557 ug/L	92
59) 1,2,3-Trichloropropane	13.55	75	13101	3.789 ug/L	92
65) 1,2-Dichlorobenzene	13.86	146	8544	1.090 ug/L	93

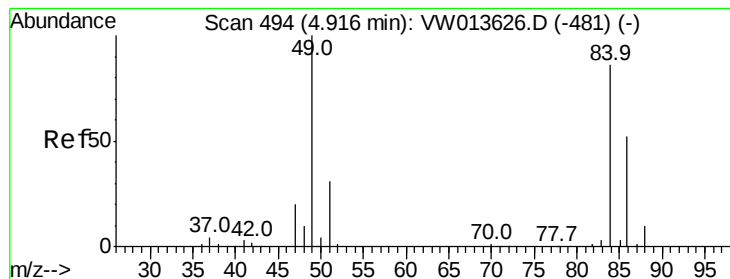
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Oct 21 16:37:58 2019
Response via : Initial Calibration





#16

Methvlene chloride

Concen: 8.221 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW013636.D

Acq: 21 Oct 2019 15:25

Instrument :

MSVOA_W

ClientSampled :

C0AB5

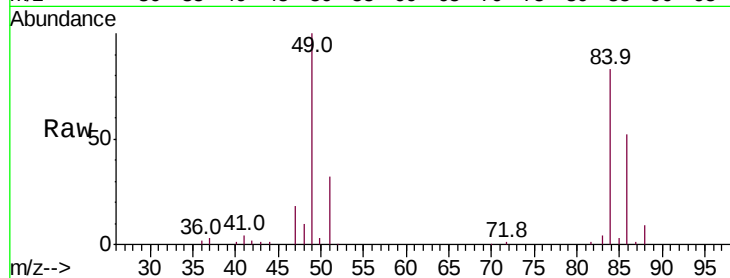
Tot Ion: 84 Resp: 54019

Ion Ratio Lower Upper

84 100

49 121.2 80.2 148.9

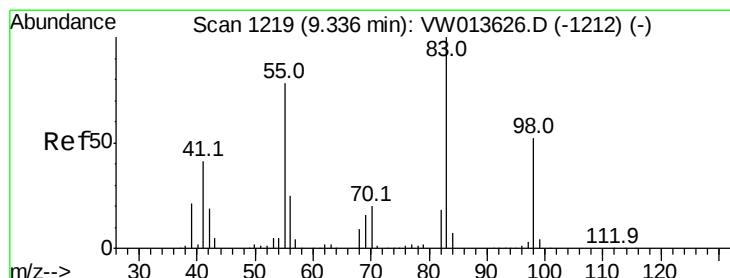
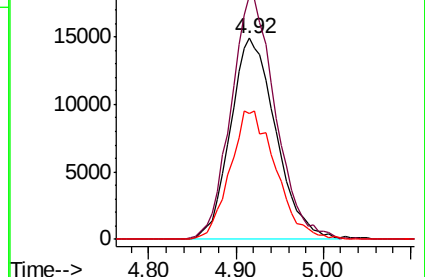
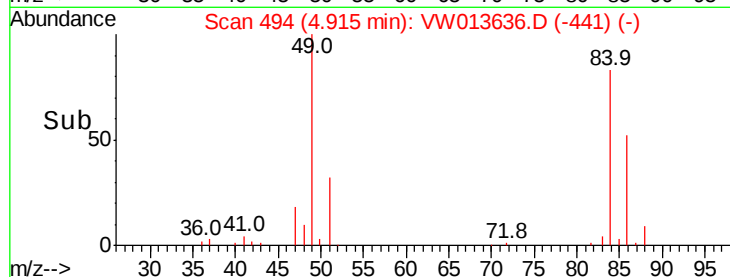
86 62.6 42.7 79.3



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



#36

Methylcyclohexane

Concen: 3.646 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW013636.D

Acq: 21 Oct 2019 15:25

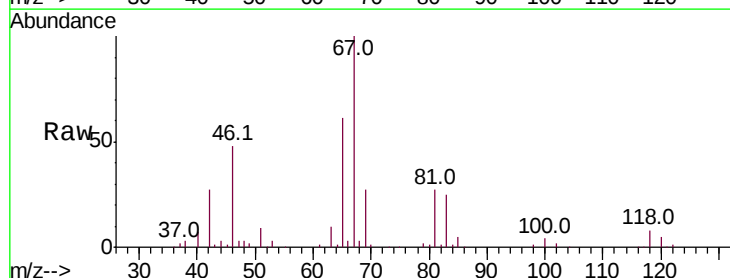
Tgt Ion: 83 Resp: 34588

Ion Ratio Lower Upper

83 100

55 0.5 60.2 90.4#

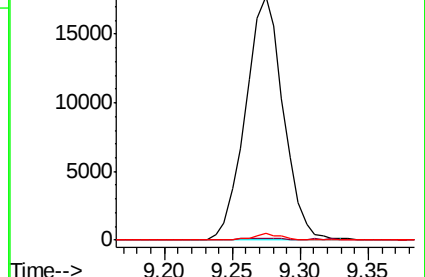
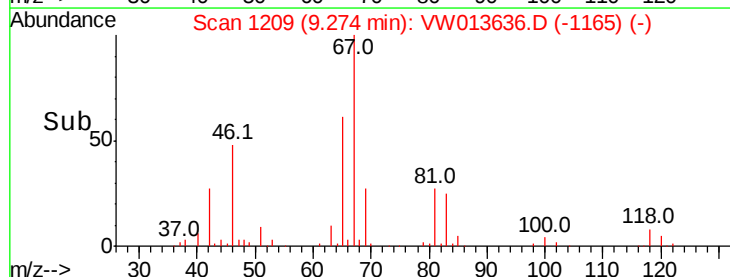
98 1.8 39.1 58.7#

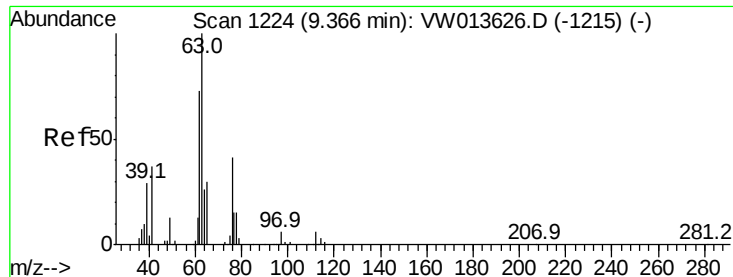


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 2.900 ug/L

RT: 9.27 min Scan# 1208

Delta R.T. -0.10 min

Lab File: VW013636.D

Acq: 21 Oct 2019 15:25

Instrument :

MSVOA_W

ClientSampleId :

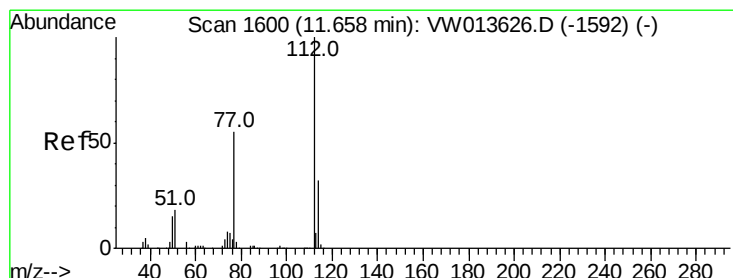
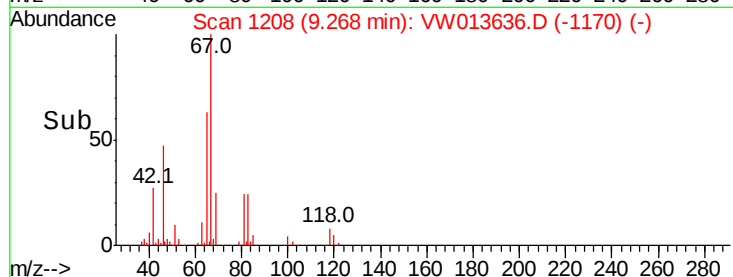
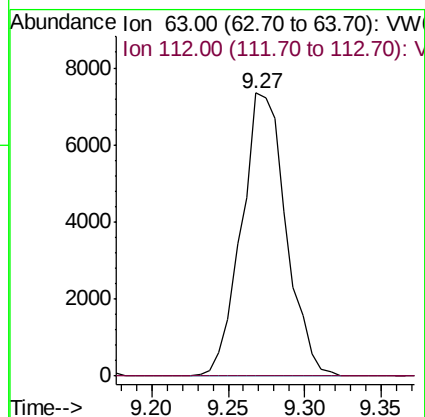
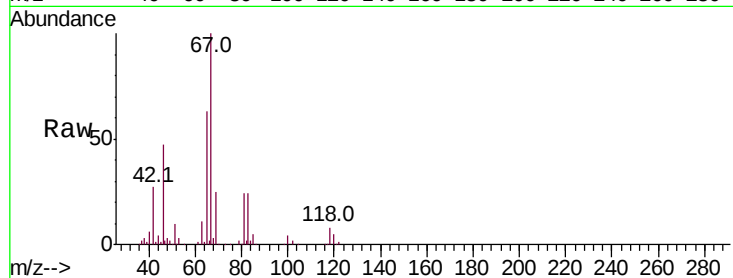
C0AB5

Tot Ion: 63 Resp: 14874

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#52

Chlorobenzene

Concen: 3.557 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013636.D

Acq: 21 Oct 2019 15:25

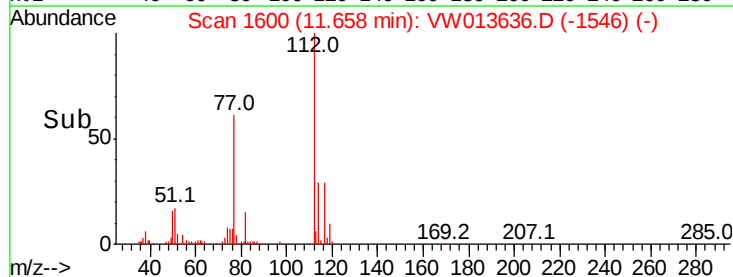
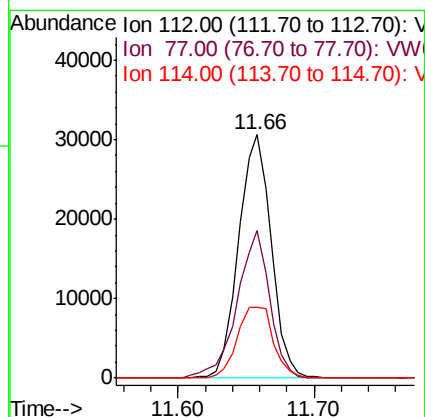
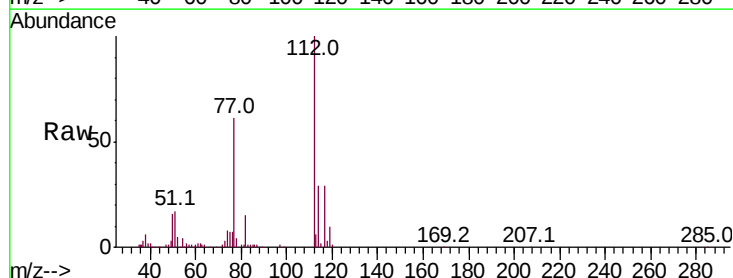
Tgt Ion: 112 Resp: 51302

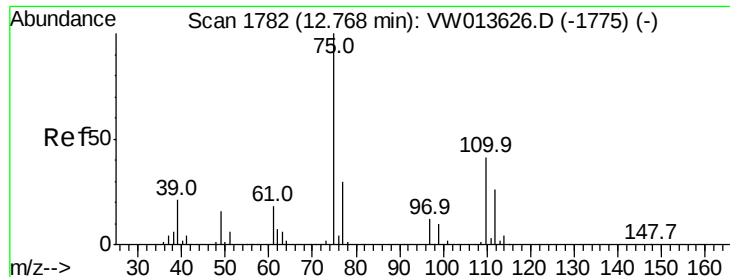
Ion Ratio Lower Upper

112 100

77 60.6 44.1 66.1

114 29.1 23.4 43.4





#59

1,2,3-Trichloropropane

Concen: 3.789 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW013636.D

Acq: 21 Oct 2019 15:25

Instrument :

MSVOA_W

ClientSampleId :

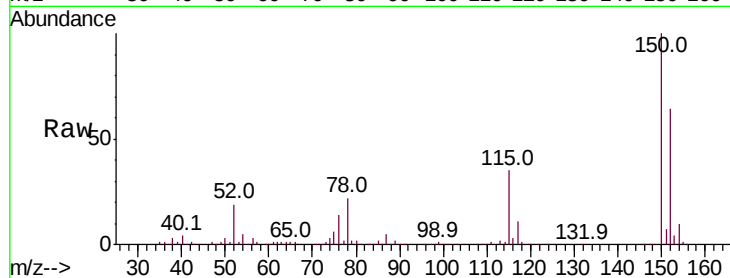
C0AB5

Tot Ion: 75 Resp: 13101

Ion Ratio Lower Upper

75 100

77 37.7 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

13.55

8000

6000

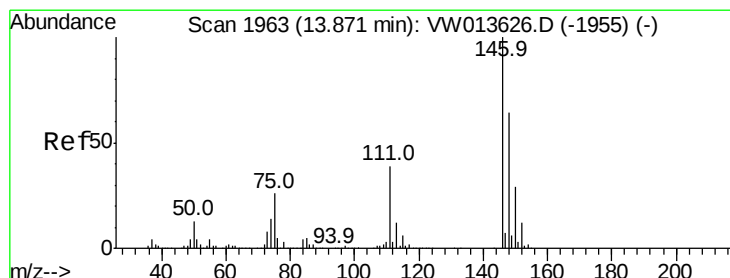
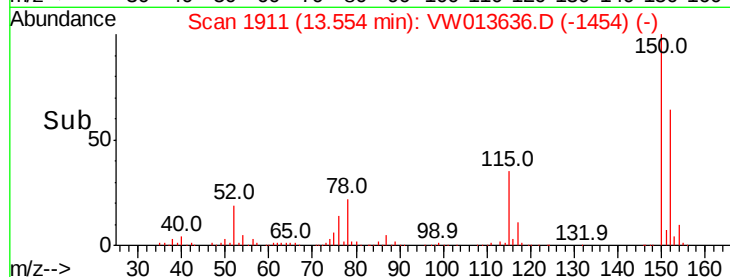
4000

2000

0

13.50 13.55 13.60

Time-->



#65

1,2-Dichlorobenzene

Concen: 1.090 ug/L

RT: 13.86 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013636.D

Acq: 21 Oct 2019 15:25

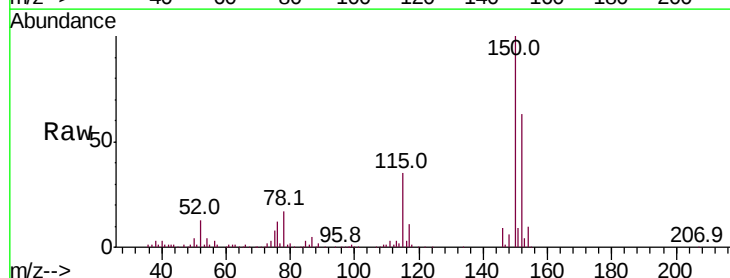
Tgt Ion: 146 Resp: 8544

Ion Ratio Lower Upper

146 100

111 34.0 30.7 46.1

148 60.9 53.3 79.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

6000

4000

2000

0

13.80 13.85 13.90

Time-->

