

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102119\
 Data File : VW013640.D
 Acq On : 21 Oct 2019 17:11
 Operator : SY/VA
 Sample : K5422-08
 Misc : 5.70G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 21 18:30:20 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	46213	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	36681	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	11103	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	17716	31.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	124.96%
7) Chloroethane-d5	2.89	69	16351	30.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	123.56%
10) 1,1-Dichloroethene-d2	4.02	63	28286	22.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.36%
20) 2-Butanone-d5	7.09	46	3377	16.65	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	33.30%
24) Chloroform-d	7.65	84	33260	25.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.88%
26) 1,2-Dichloroethane-d4	8.31	65	17351	25.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.64%
29) Benzene-d6	8.27	84	71441	32.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	129.68%
33) 1,2-Dichloropropane-d6	9.27	67	20963	31.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	127.40%#
37) Toluene-d8	10.32	98	56101	27.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.40%
38) trans-1,3-Dichloropropene-	10.58	79	6367	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.76%
39) 2-Hexanone-d5	10.93	63	3810	30.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	12852	23.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	9927	25.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.20%

Target Compounds

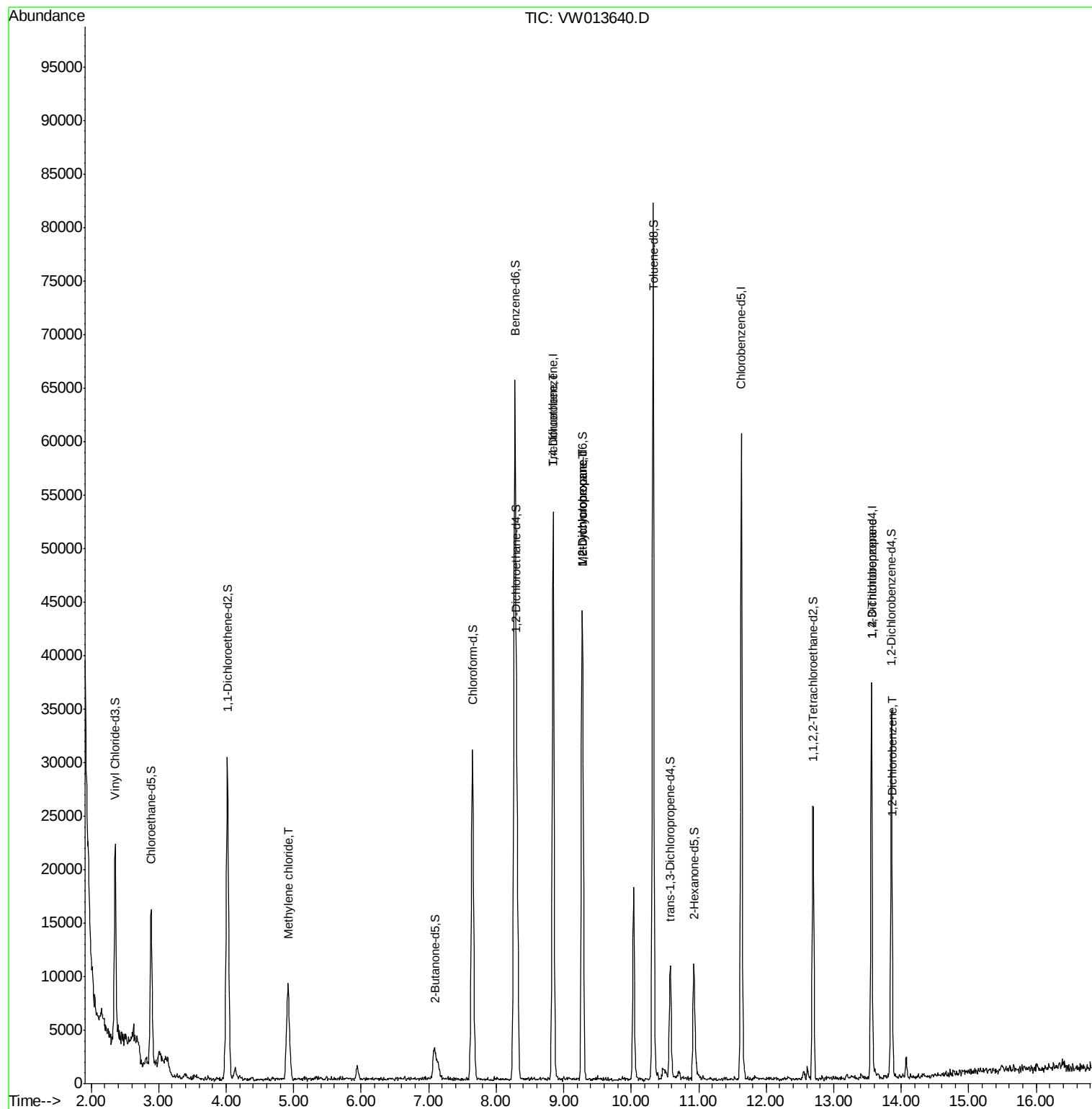
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	4.92	84	6660	7.526	ug/L	93
35) Trichloroethene	8.84	95	1604	2.375	ug/L #	2
36) Methylcyclohexane	9.27	83	5636	4.735	ug/L #	18
40) 1,2-Dichloropropane	9.27	63	2354	3.658	ug/L #	85
59) 1,2,3-Trichloropropane	13.56	75	1152	2.656	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	689	1.009	ug/L #	81

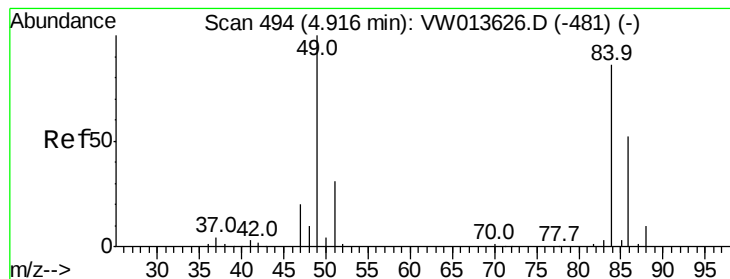
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.526 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW013640.D

Acq: 21 Oct 2019 17:11

Instrument :

MSVOA_W

ClientSampleId :

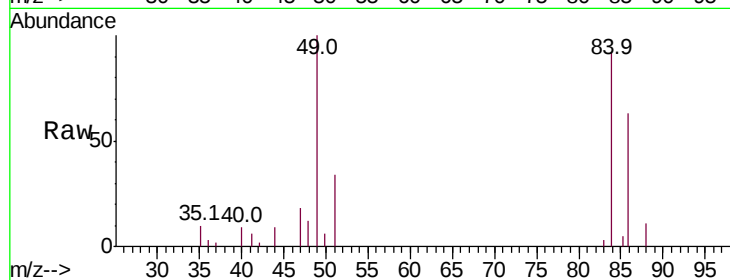
Tot Ion: 84 Resp: 6660

Ion Ratio Lower Upper

84 100

49 109.0 80.2 148.9

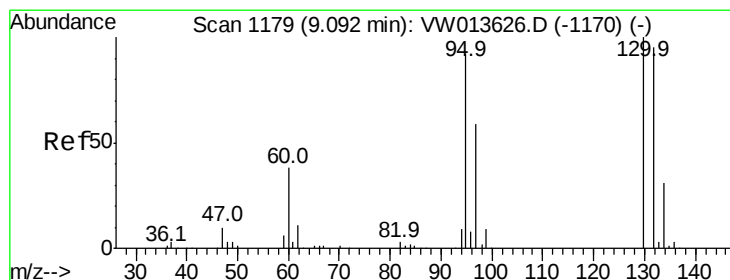
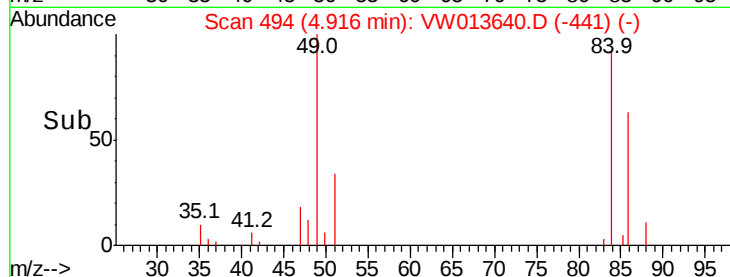
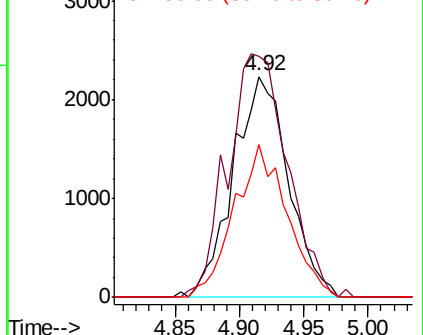
86 69.1 42.7 79.3



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



#35

Trichloroethene

Concen: 2.375 ug/L

RT: 8.84 min Scan# 1137

Delta R.T. -0.26 min

Lab File: VW013640.D

Acq: 21 Oct 2019 17:11

Tgt Ion: 95 Resp: 1604

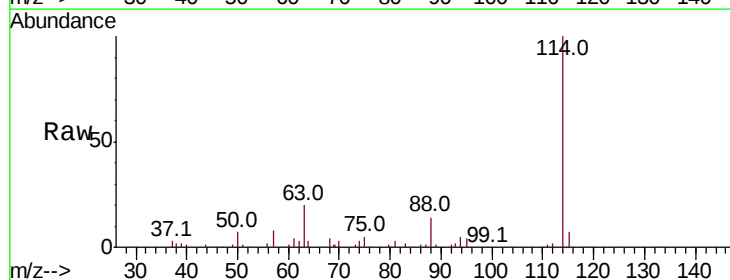
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.2#

132 0.0 74.3 138.1#

130 0.0 76.6 142.3#

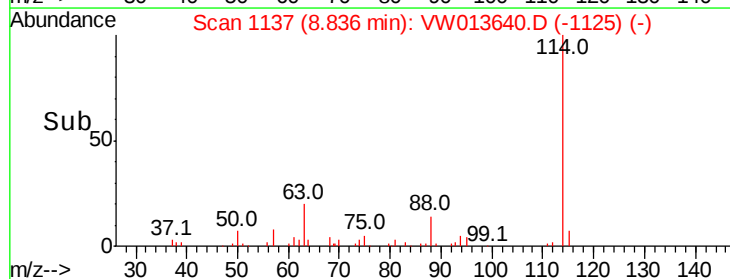
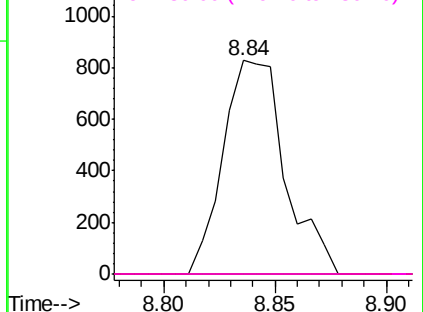


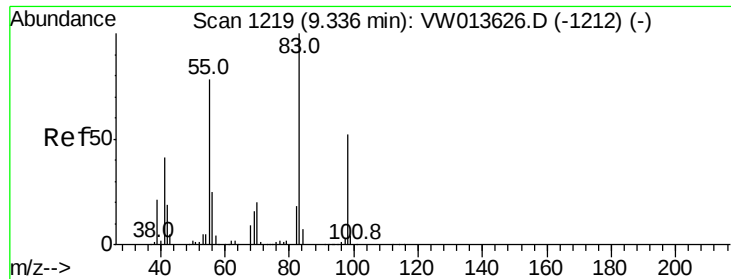
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

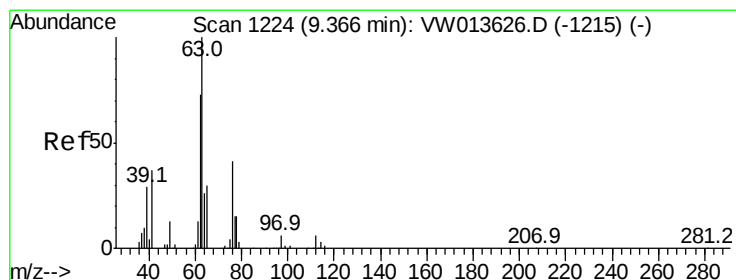
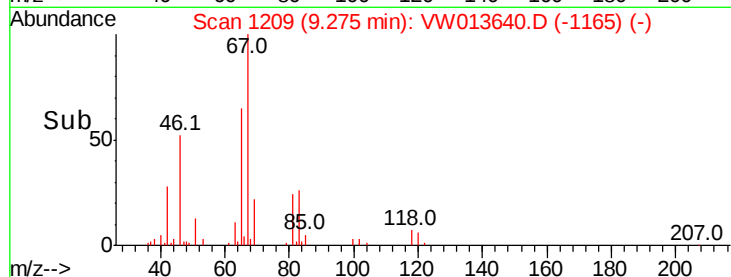
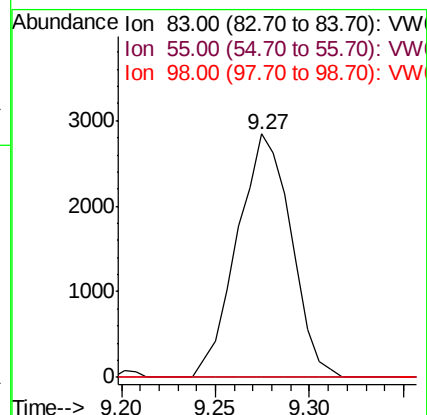
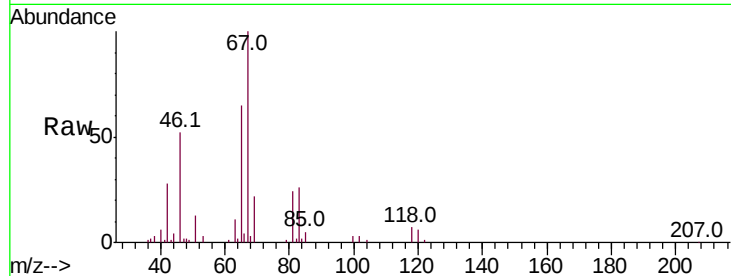




#36
Methvlcvclohexane
Concen: 4.735 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW013640.D
Acq: 21 Oct 2019 17:11

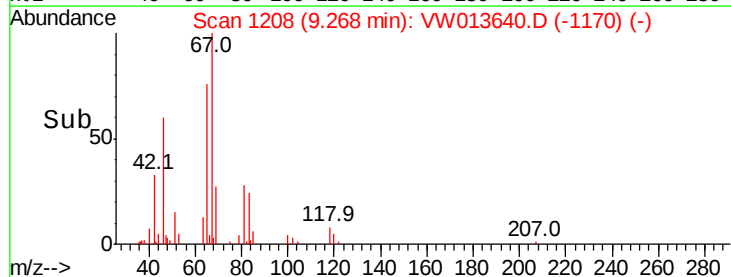
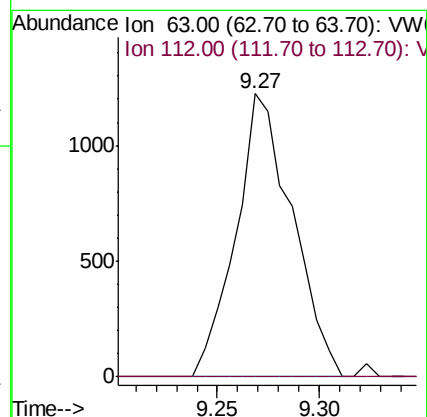
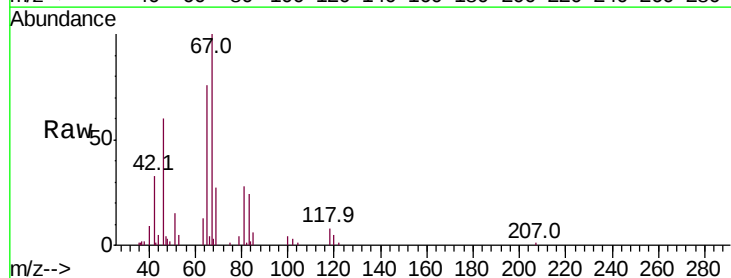
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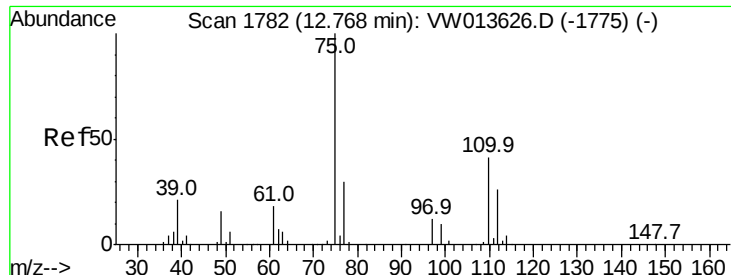
Tot Ion: 83 Resp: 5636
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.4#
98 0.0 39.1 58.7#



#40
1,2-Dichloropropane
Concen: 3.658 ug/L
RT: 9.27 min Scan# 1208
Delta R.T. -0.10 min
Lab File: VW013640.D
Acq: 21 Oct 2019 17:11

Tgt Ion: 63 Resp: 2354
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#





#59

1,2,3-Trichloropropane

Concen: 2.656 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW013640.D

Acq: 21 Oct 2019 17:11

Instrument :

MSVOA_W

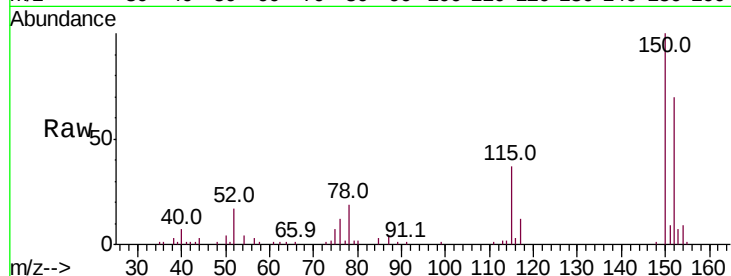
ClientSampleId :

Tot Ion: 75 Resp: 1152

Ion Ratio Lower Upper

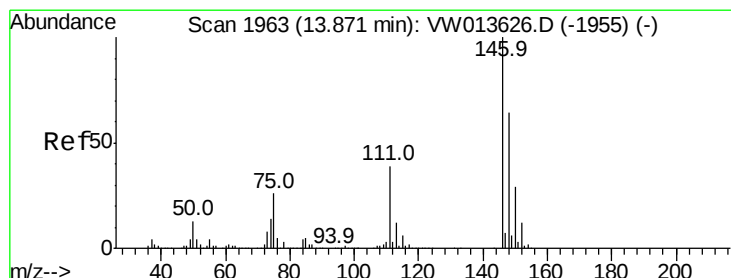
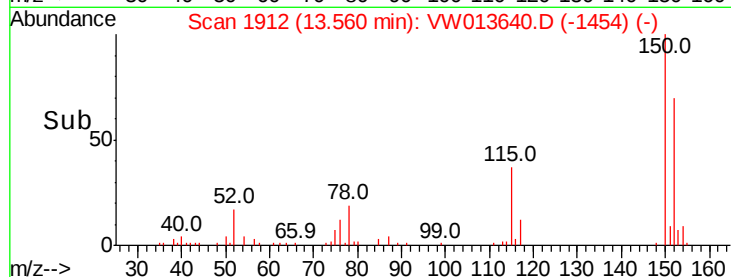
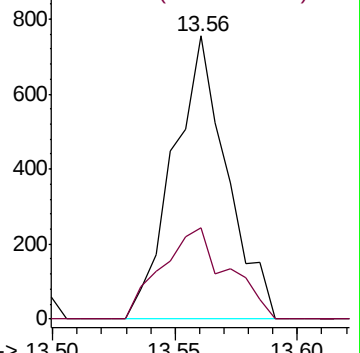
75 100

77 30.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#65

1,2-Dichlorobenzene

Concen: 1.009 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013640.D

Acq: 21 Oct 2019 17:11

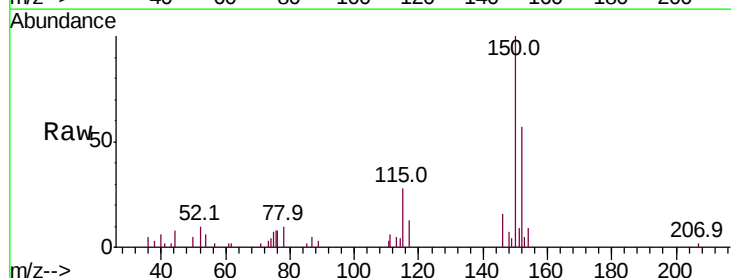
Tgt Ion: 146 Resp: 689

Ion Ratio Lower Upper

146 100

111 35.5 30.7 46.1

148 44.9 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

