

Data File : VW014879.D
Acq On : 05 Feb 2020 18:30
Operator : SY/VA
Sample : L1323-15
Misc : 5.09G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT53RE

Quant Time: Feb 06 03:01:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 06 02:59:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	74081	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	69097	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	14887	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	28809	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.96%
7) Chloroethane-d5	2.89	69	35150	35.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	143.20%
10) 1,1-Dichloroethene-d2	4.02	63	46519	20.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.04%
20) 2-Butanone-d5	7.09	46	21602	62.76	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.52%
24) Chloroform-d	7.65	84	73691	35.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	140.12%
26) 1,2-Dichloroethane-d4	8.30	65	45336	38.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	155.80%#
29) Benzene-d6	8.27	84	131070	29.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.00%
33) 1,2-Dichloropropane-d6	9.27	67	48967	33.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	135.28%#
37) Toluene-d8	10.32	98	91964	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.08%
38) trans-1,3-Dichloropropene-	10.58	79	13920	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.40%
39) 2-Hexanone-d5	10.93	63	9232	34.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	35836	32.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	131.44%#
61) 1,2-Dichlorobenzene-d4	13.85	152	20805	36.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	144.16%#

Target Compounds

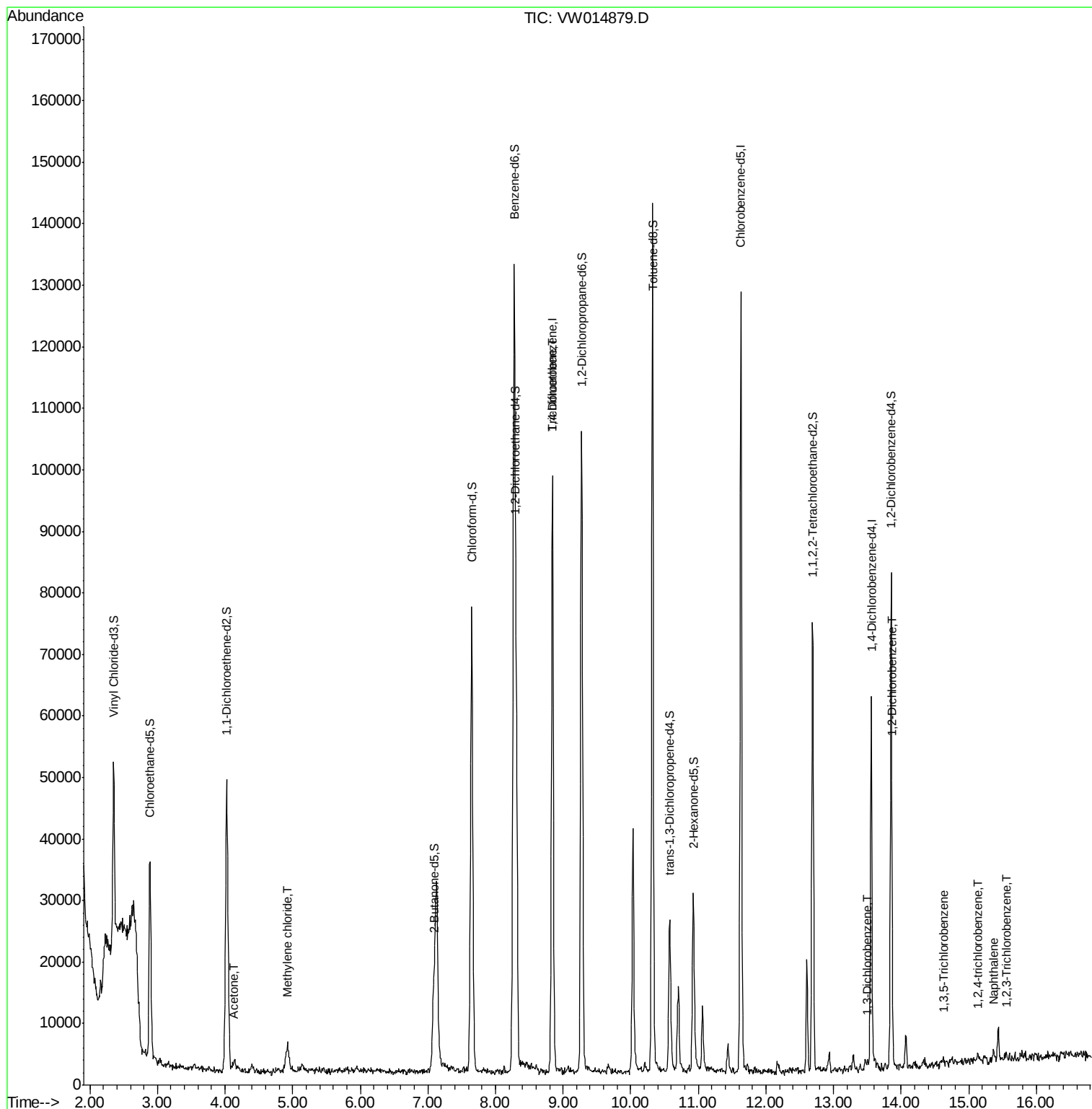
					Qvalue
13) Acetone	4.12	43	1424	4.008 ug/L	66
16) Methylene chloride	4.93	84	2964	2.196 ug/L	92
35) Trichloroethene	8.84	95	2186	1.856 ug/L #	8
63) 1,3-Dichlorobenzene	13.50	146	430	0.428 ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	390	0.424 ug/L #	77
67) 1,3,5-Trichlorobenzene	14.63	180	488	0.678 ug/L #	75
68) 1,2,4-Trichlorobenzene	15.13	180	288	0.506 ug/L #	88
69) Naphthalene	15.36	128	1435	1.282 ug/L #	82
70) 1,2,3-Trichlorobenzene	15.55	180	355	0.676 ug/L #	76

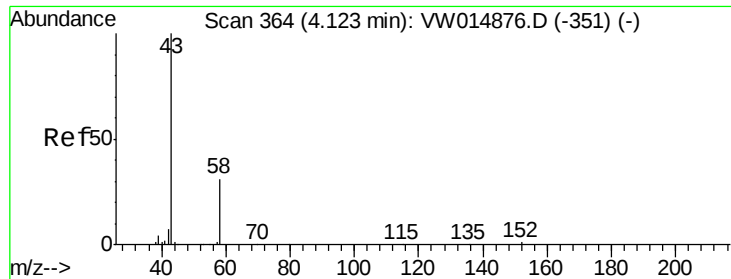
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.008 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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Acq: 05 Feb 2020 18:30

Instrument :

MSVOA_W

ClientSampled :

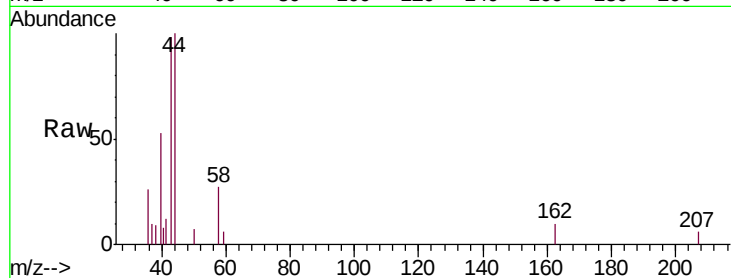
GAT53RE

Tgt Ion: 43 Resp: 1424

Ion Ratio Lower Upper

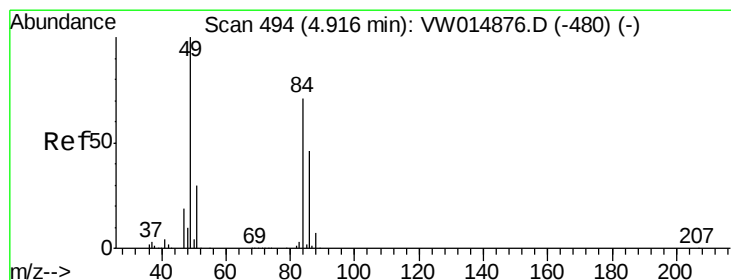
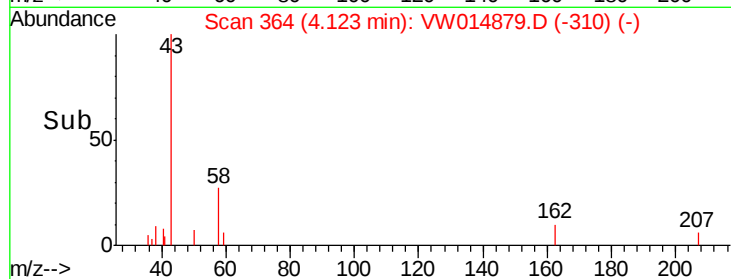
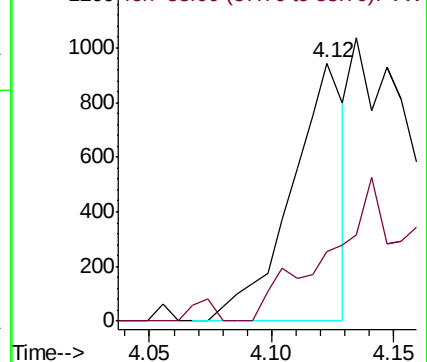
43 100

58 11.7 0.0 60.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.196 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

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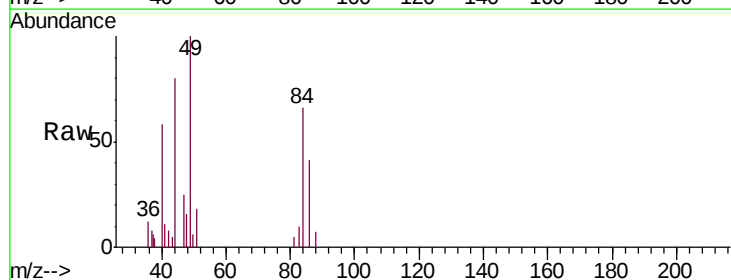
Tgt Ion: 84 Resp: 2964

Ion Ratio Lower Upper

84 100

49 151.3 95.8 177.8

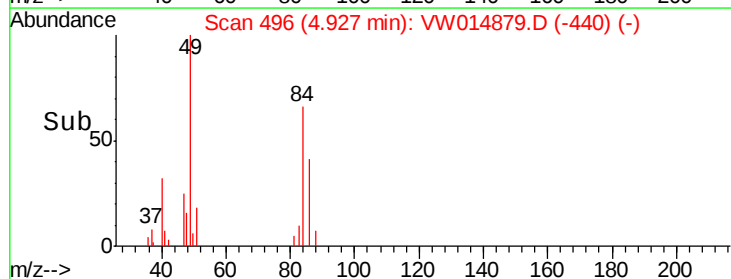
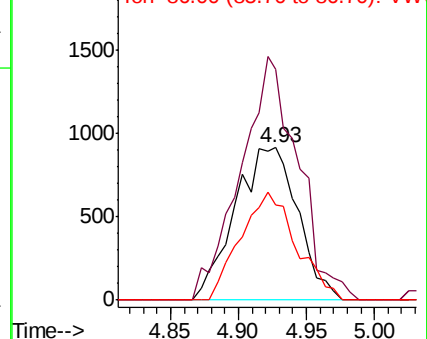
86 62.7 44.2 82.2

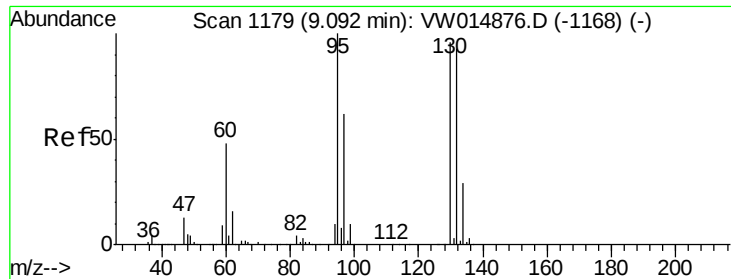


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#35

Trichloroethene

Concen: 1.856 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

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Instrument :

MSVOA_W

ClientSampleId :

GAT53RE

Tgt Ion: 95 Resp: 2186

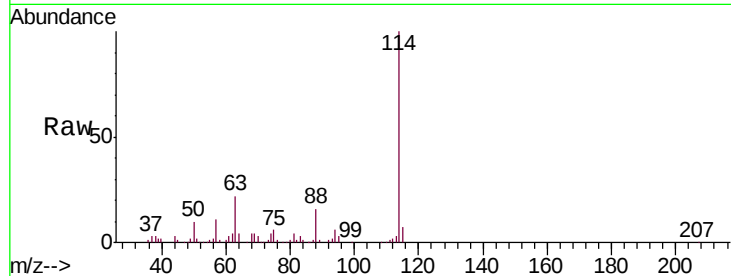
Ion Ratio Lower Upper

95 100

97 3.0 44.4 82.5#

132 0.0 63.6 118.0#

130 0.0 67.3 124.9#

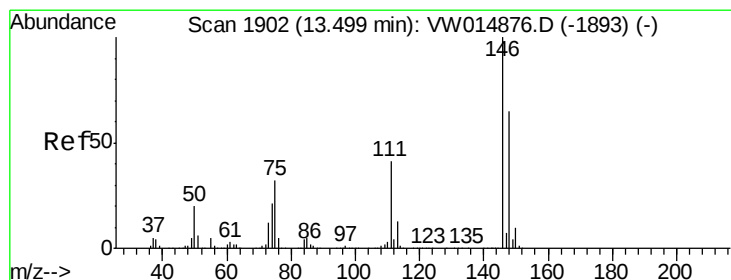
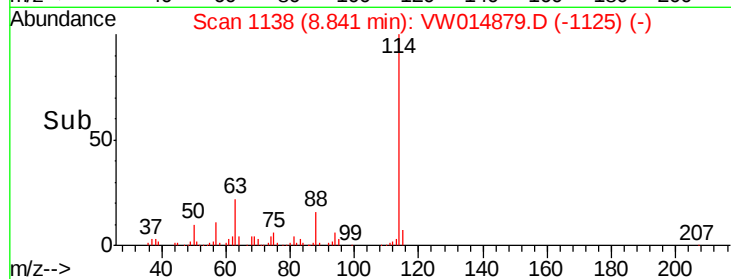
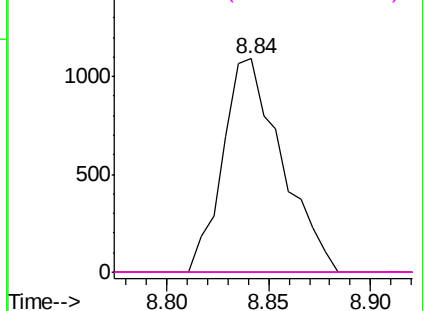


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#63

1,3-Dichlorobenzene

Concen: 0.428 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014879.D

Acq: 05 Feb 2020 18:30

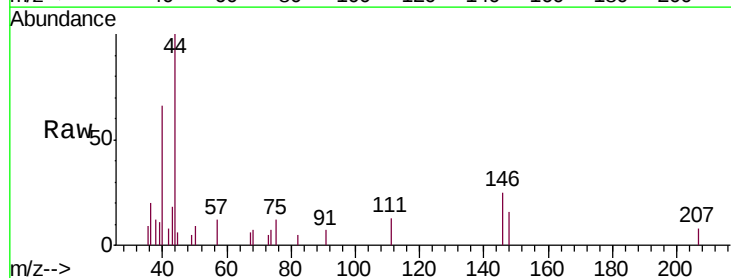
Tgt Ion: 146 Resp: 430

Ion Ratio Lower Upper

146 100

111 52.3 28.6 53.0

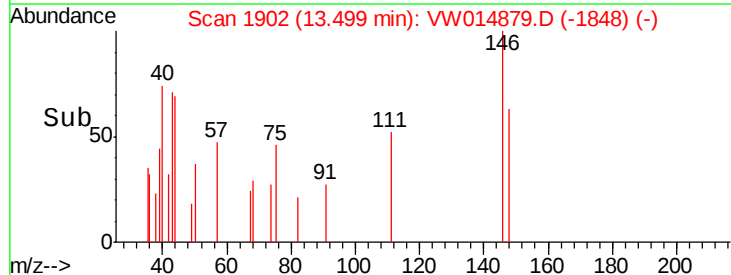
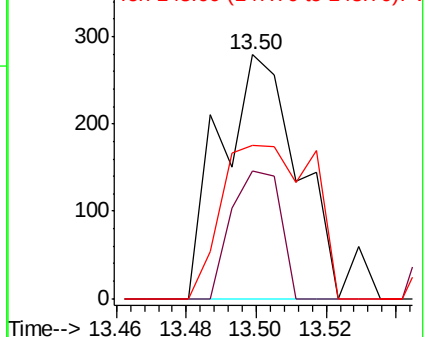
148 62.7 43.3 80.5

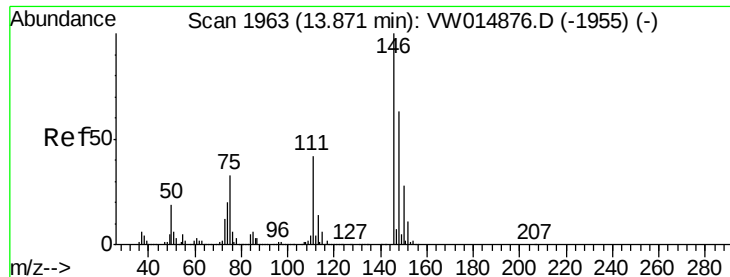


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.424 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW014879.D

Acq: 05 Feb 2020 18:30

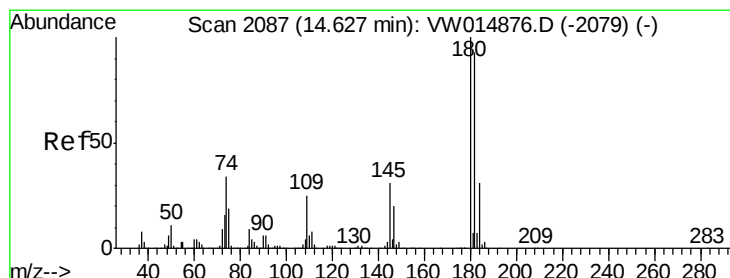
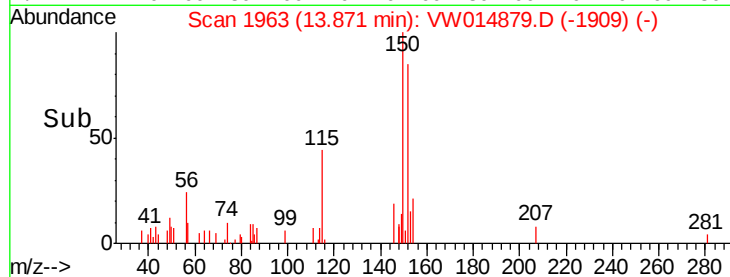
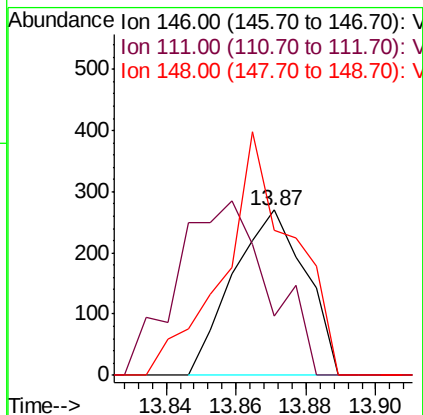
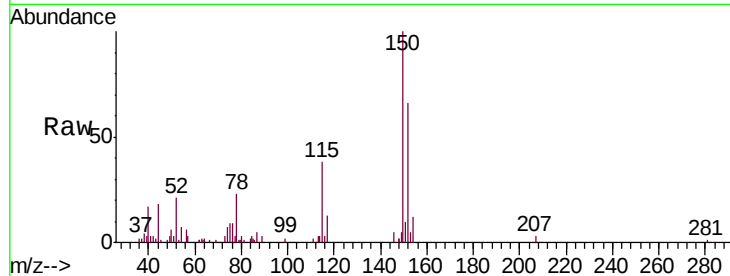
Instrument :

MSVOA_W

ClientSampled :

GAT53RE

Tgt Ion:	146	Resp:	390
Ion	Ratio	Lower	Upper
146	100		
111	35.6	35.0	52.6
148	87.4	51.1	76.7#



#67

1,3,5-Trichlorobenzene

Concen: 0.678 ug/L

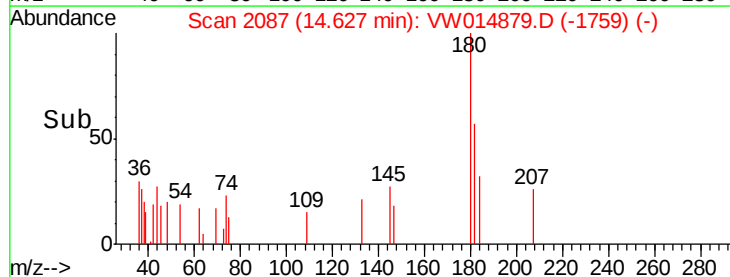
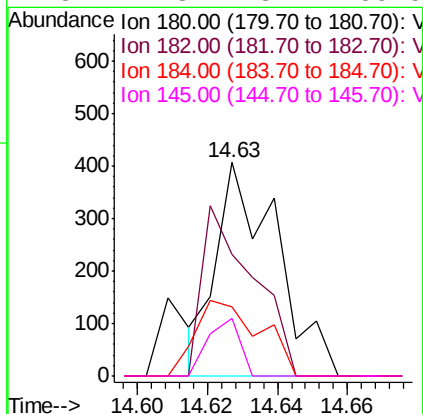
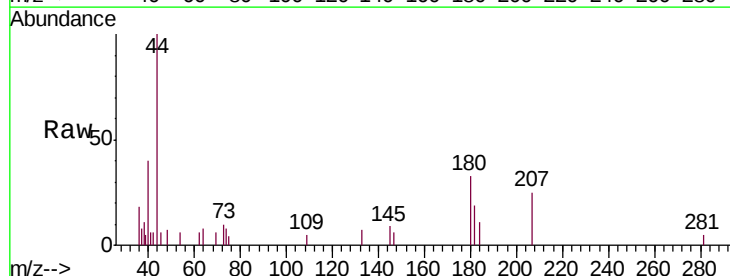
RT: 14.63 min Scan# 2087

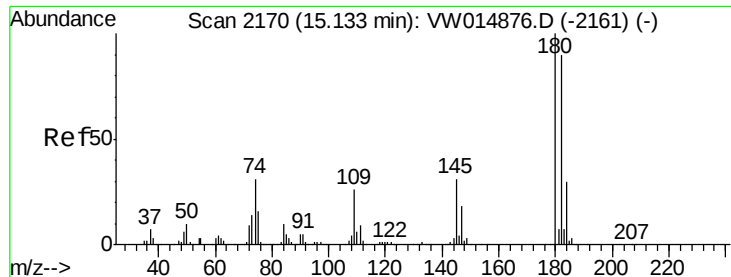
Delta R.T. -0.00 min

Lab File: VW014879.D

Acq: 05 Feb 2020 18:30

Tgt Ion:	180	Resp:	488
Ion	Ratio	Lower	Upper
180	100		
182	67.2	75.5	113.3#
184	37.9	24.6	36.8#
145	14.3	23.7	35.5#

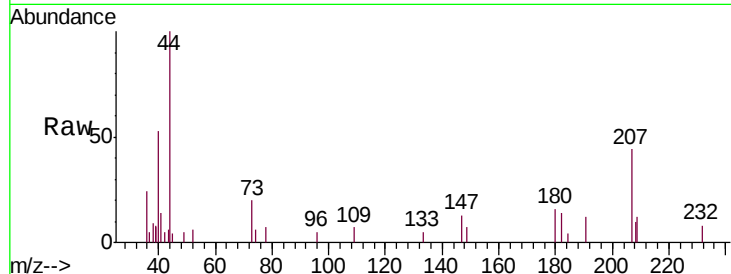




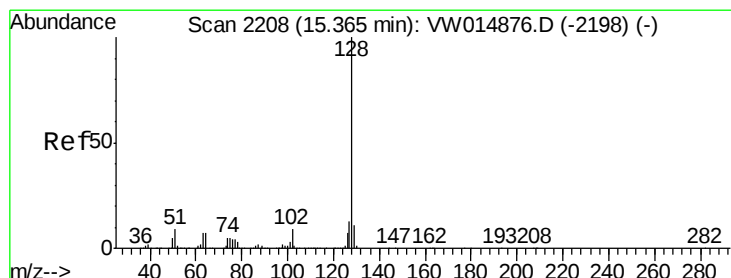
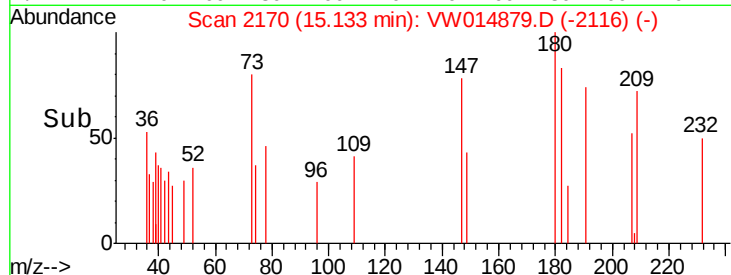
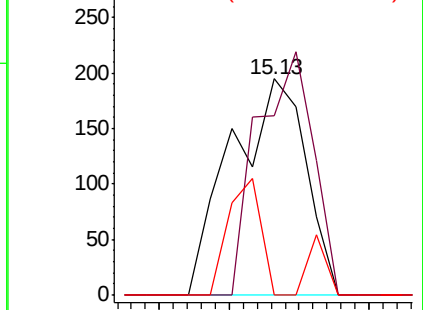
#68
 1,2,4-trichlorobenzene
 Concen: 0.506 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014879.D
 Acq: 05 Feb 2020 18:30

Instrument :
 MSVOA_W
 ClientSampleId :
 GAT53RE

Tgt Ion:180 Resp: 288
 Ion Ratio Lower Upper
 180 100
 182 84.0 76.4 114.6
 145 24.0 24.6 37.0#

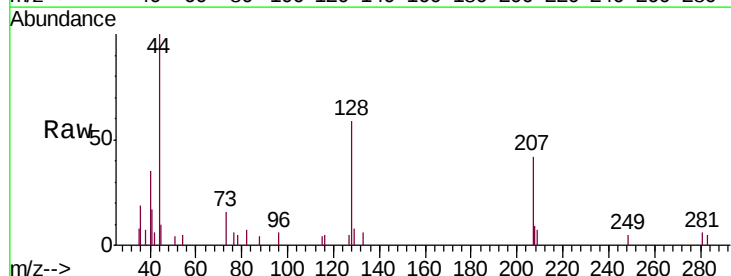


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

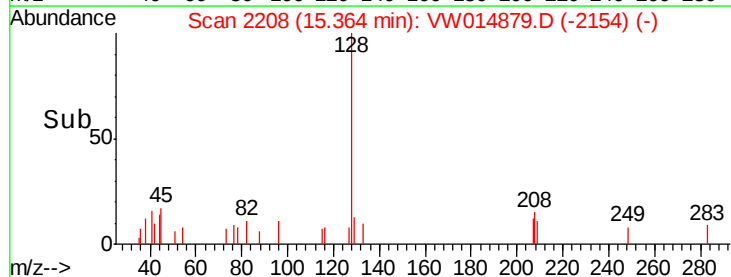
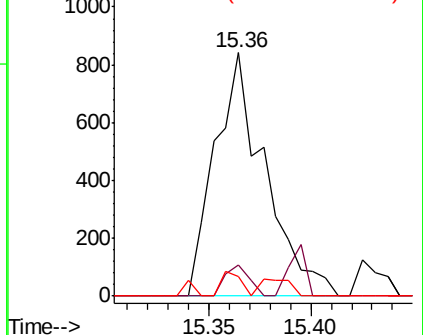


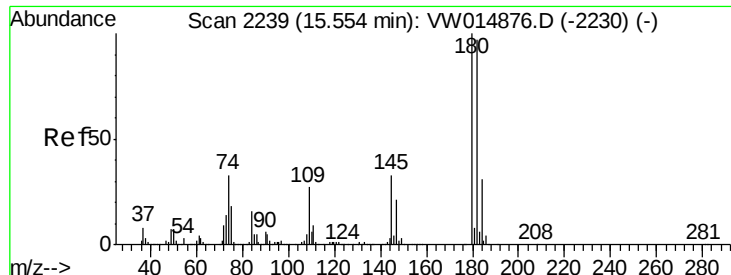
#69
 Naphthalene
 Concen: 1.282 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW014879.D
 Acq: 05 Feb 2020 18:30

Tgt Ion:128 Resp: 1435
 Ion Ratio Lower Upper
 128 100
 129 6.1 8.7 13.1#
 127 3.9 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.676 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW014879.D
 Acq: 05 Feb 2020 18:30

Instrument :
 MSVOA_W
 ClientSampleId :
 GAT53RE

Tgt Ion:180 Resp: 355
 Ion Ratio Lower Upper
 180 100
 182 105.6 75.3 112.9
 145 0.0 26.0 39.0#

