

Data File : VW014882.D
Acq On : 05 Feb 2020 21:33
Operator : SY/VA
Sample : L1324-19
Misc : 5.10G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT74

Quant Time: Feb 06 03:02:09 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	59224	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	48034	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	7177	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	28135	28.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.80%
7) Chloroethane-d5	2.89	69	33784	43.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	172.16%#
10) 1,1-Dichloroethene-d2	4.09	63	102	0.06	ug/L	0.07
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.24%#
20) 2-Butanone-d5	7.08	46	16407	59.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.26%
24) Chloroform-d	7.65	84	66544	39.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	158.28%#
26) 1,2-Dichloroethane-d4	8.31	65	37723	40.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	162.16%#
29) Benzene-d6	8.27	84	113784	36.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	147.36%#
33) 1,2-Dichloropropane-d6	9.27	67	42198	41.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	167.68%#
37) Toluene-d8	10.32	98	72321	26.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.40%
38) trans-1,3-Dichloropropene-	10.58	79	10467	26.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.32%
39) 2-Hexanone-d5	10.93	63	7433	40.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	28434	37.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	150.04%#
61) 1,2-Dichlorobenzene-d4	13.85	152	10586	38.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	152.16%#

Target Compounds

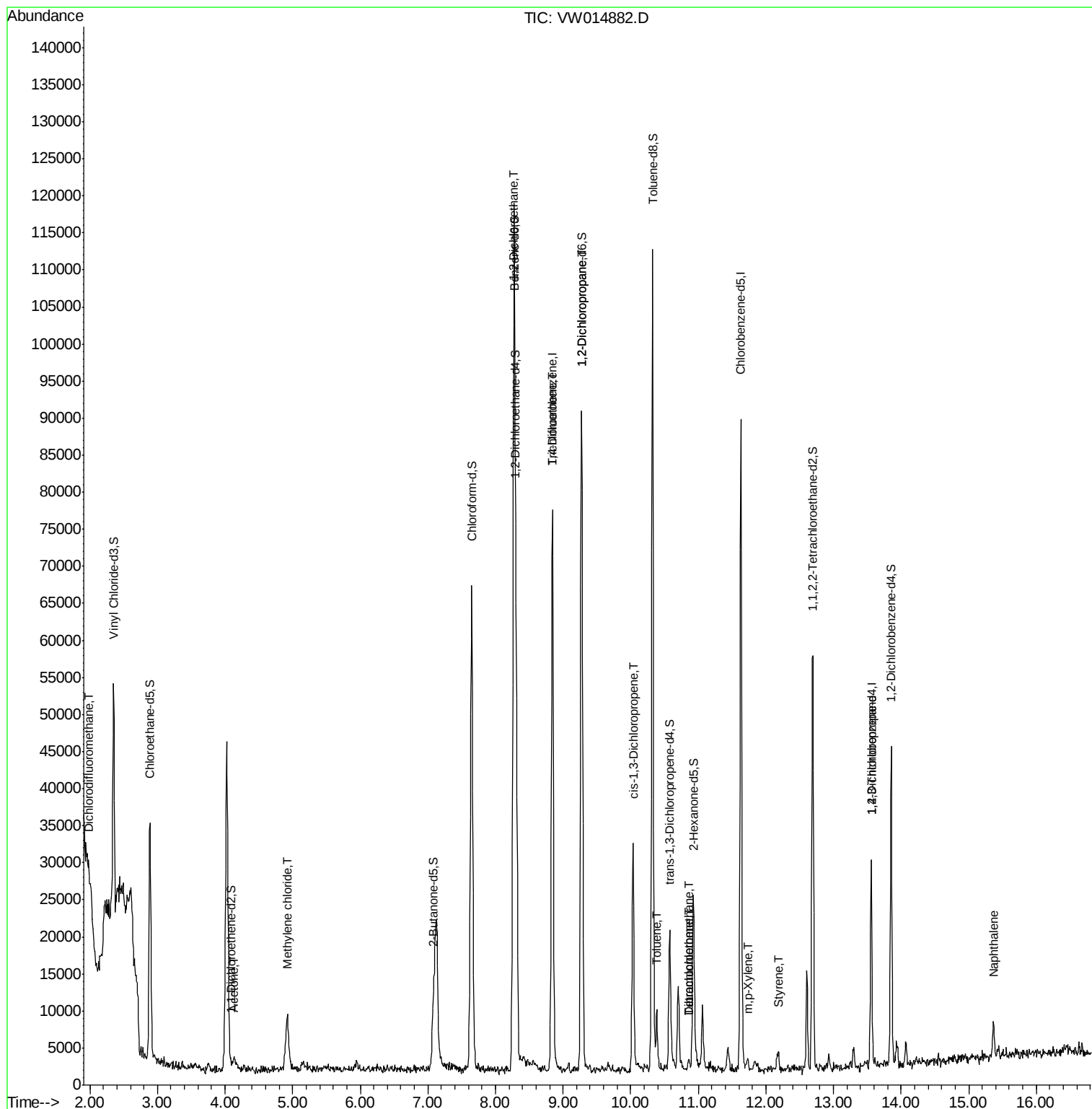
					Qvalue
2) Dichlorodifluoromethane	2.00	85	255	0.419 ug/L	91
13) Acetone	4.14	43	2227	7.841 ug/L	49
16) Methylene chloride	4.93	84	4881	4.524 ug/L	73
27) 1,2-Dichloroethane	8.26	62	722	0.661 ug/L #	75
35) Trichloroethene	8.85	95	1420	1.734 ug/L #	8
40) 1,2-Dichloropropane	9.27	63	4909	5.554 ug/L #	91
42) cis-1,3-Dichloropropene	10.03	75	898	0.715 ug/L #	57
44) Toluene	10.39	91	5007	1.493 ug/L	99
47) Tetrachloroethene	10.86	164	338	0.562 ug/L #	57
50) Dibromochloromethane	10.86	129	326	0.521 ug/L #	11
54) m,p-Xylene	11.74	106	390	0.291 ug/L	61
56) Styrene	12.19	104	1014	0.470 ug/L #	77
59) 1,2,3-Trichloropropane	13.56	75	1282	2.346 ug/L	89
69) Naphthalene	15.36	128	3493	6.473 ug/L #	89

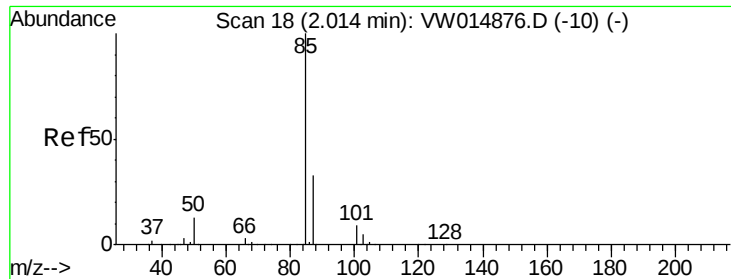
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.419 ug/L

RT: 2.00 min Scan# 15

Delta R.T. -0.02 min

Lab File: VW014882.D

Acq: 05 Feb 2020 21:33

Instrument :

MSVOA_W

ClientSampled :

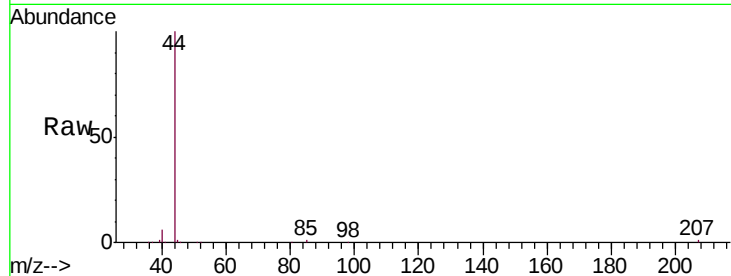
GAT74

Tgt Ion: 85 Resp: 255

Ion Ratio Lower Upper

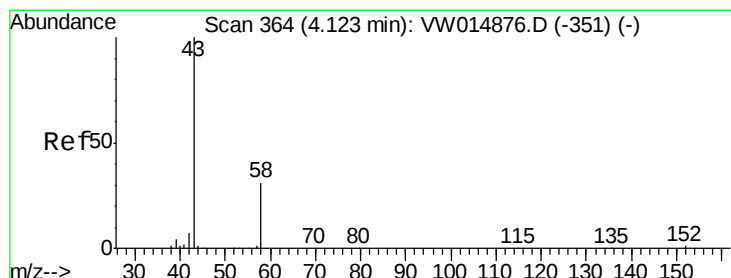
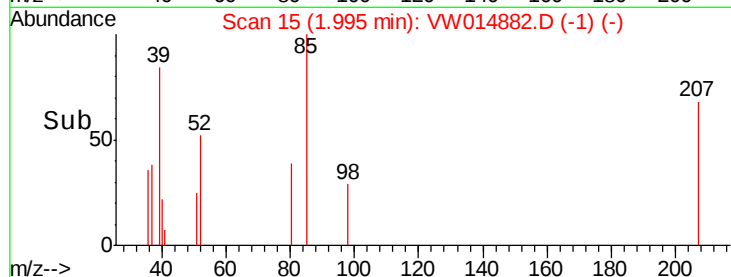
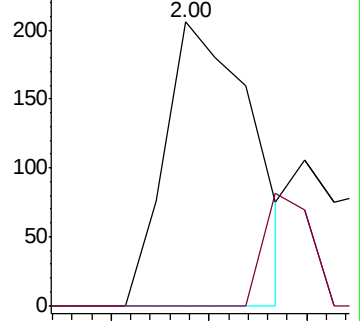
85 100

87 21.6 18.1 33.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#13

Acetone

Concen: 7.841 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW014882.D

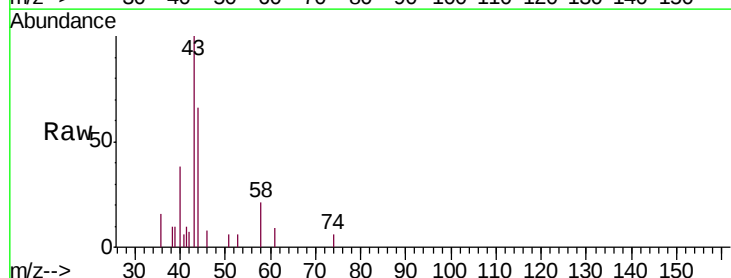
Acq: 05 Feb 2020 21:33

Tgt Ion: 43 Resp: 2227

Ion Ratio Lower Upper

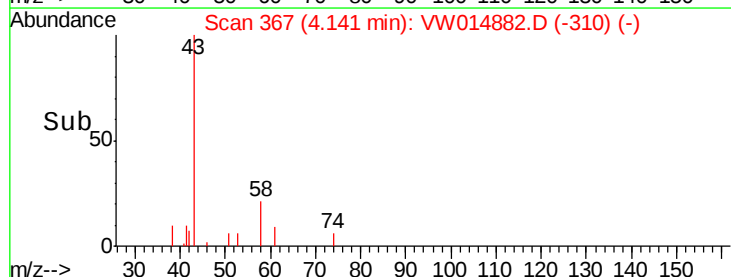
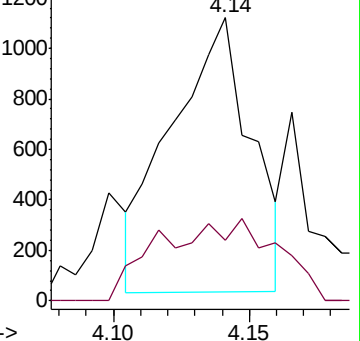
43 100

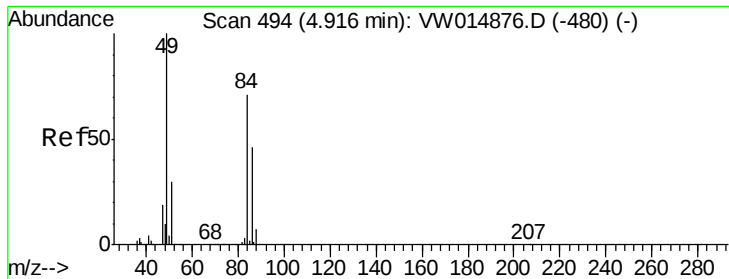
58 2.5 0.0 60.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

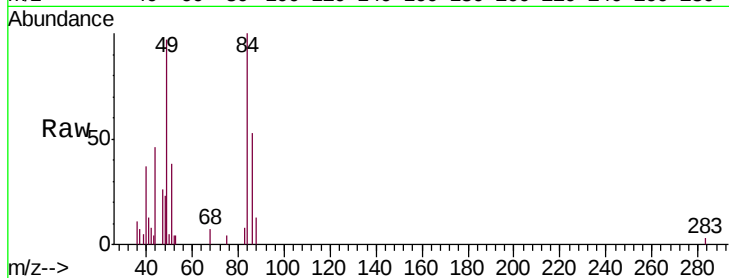




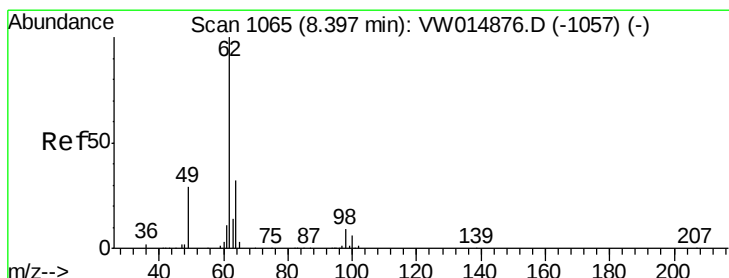
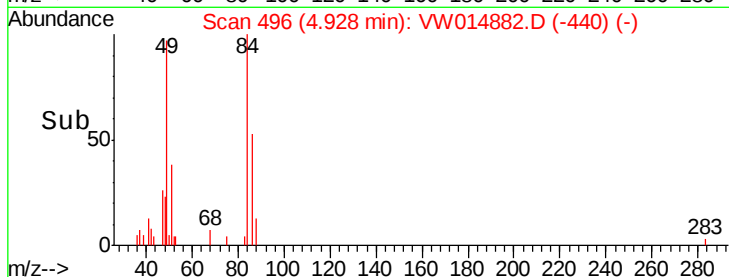
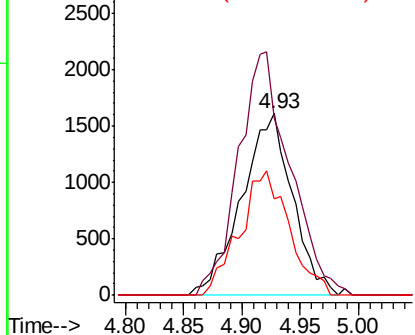
#16
Methylene chloride
Concen: 4.524 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW014882.D
Acq: 05 Feb 2020 21:33

Instrument :
MSVOA_W
ClientSampleId :
GAT74

Tgt Ion: 84 Resp: 4881
Ion Ratio Lower Upper
84 100
49 97.4 95.8 177.8
86 52.6 44.2 82.2

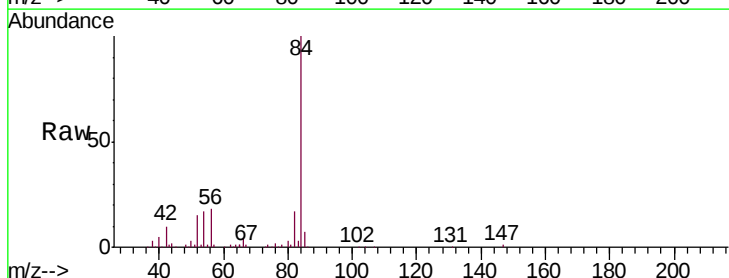


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

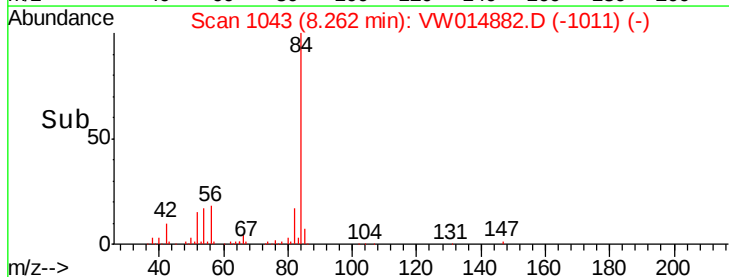
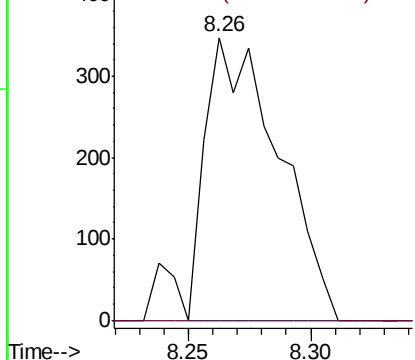


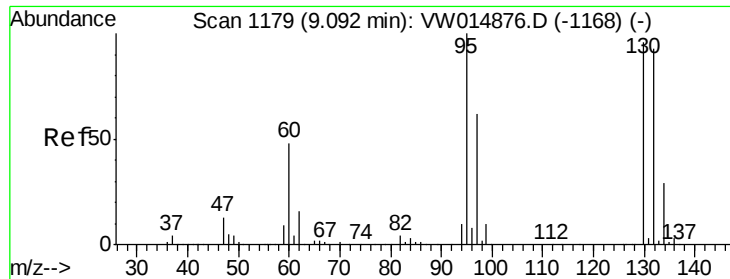
#27
1,2-Dichloroethane
Concen: 0.661 ug/L
RT: 8.26 min Scan# 1043
Delta R.T. -0.13 min
Lab File: VW014882.D
Acq: 05 Feb 2020 21:33

Tgt Ion: 62 Resp: 722
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VW
Ion 98.00 (97.70 to 98.70): VW





#35

Trichloroethene

Concen: 1.734 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW014882.D

Acq: 05 Feb 2020 21:33

Instrument :

MSVOA_W

ClientSampleId :

GAT74

Tgt Ion: 95 Resp: 1420

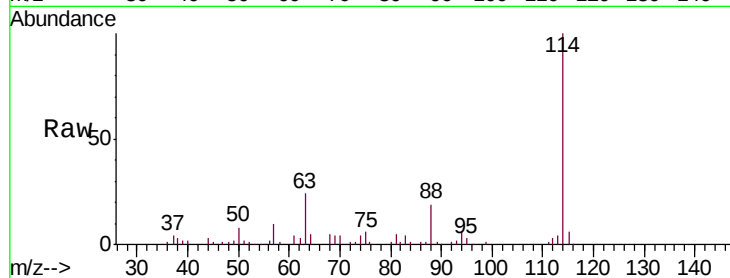
Ion Ratio Lower Upper

95 100

97 0.0 44.4 82.5#

132 0.0 63.6 118.0#

130 3.4 67.3 124.9#

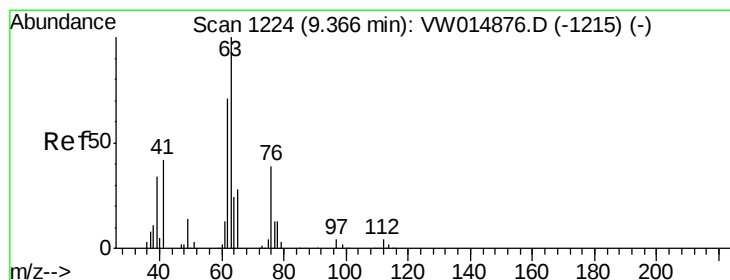
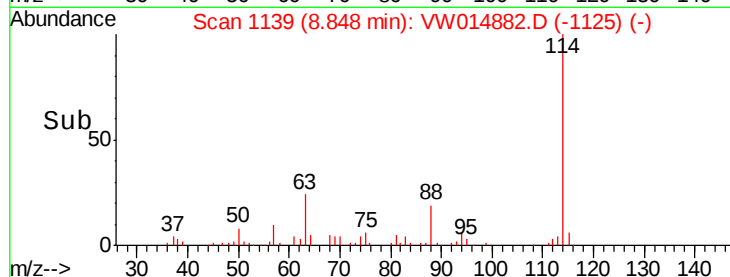
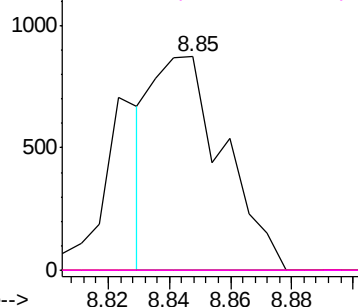


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#40

1,2-Dichloropropane

Concen: 5.554 ug/L

RT: 9.27 min Scan# 1208

Delta R.T. -0.10 min

Lab File: VW014882.D

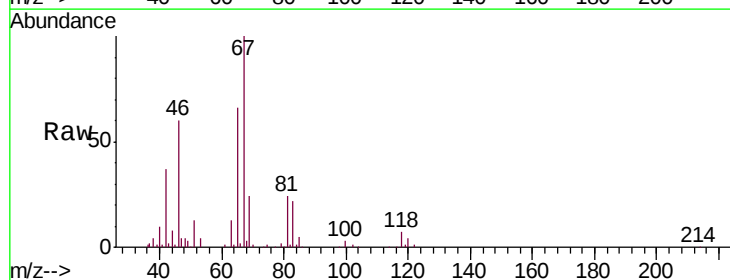
Acq: 05 Feb 2020 21:33

Tgt Ion: 63 Resp: 4909

Ion Ratio Lower Upper

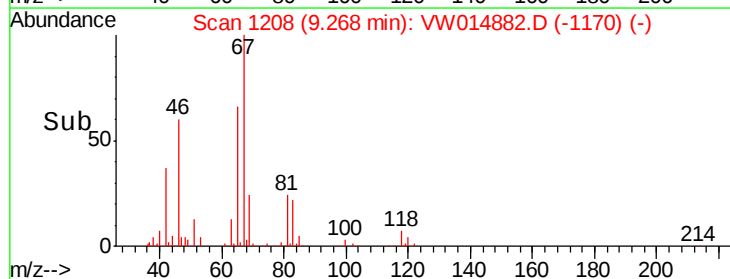
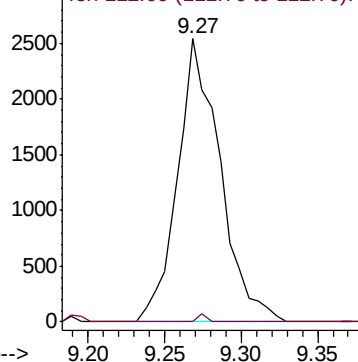
63 100

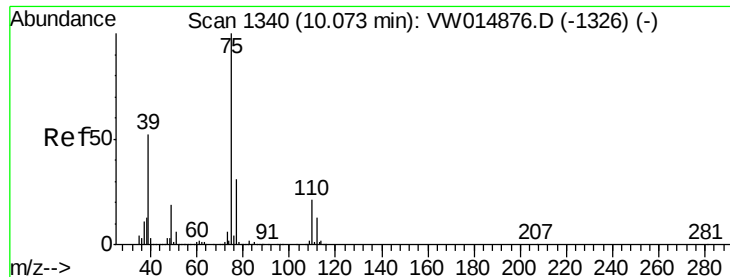
112 0.8 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.715 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014882.D

Acq: 05 Feb 2020 21:33

Instrument :

MSVOA_W

ClientSampled :

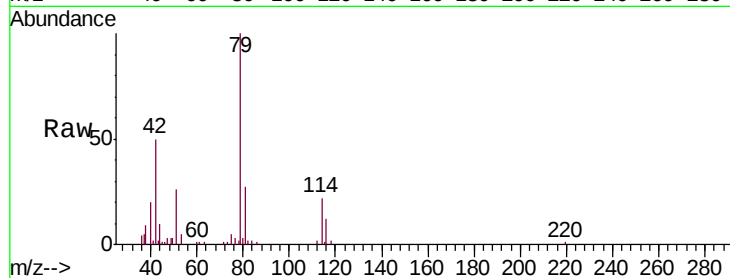
GAT74

Tgt Ion: 75 Resp: 898

Ion Ratio Lower Upper

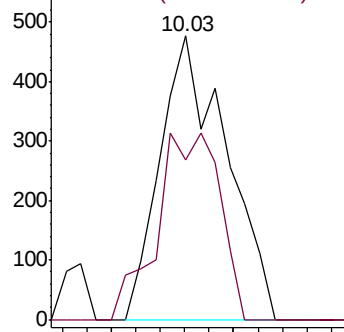
75 100

77 56.4 22.5 41.9#

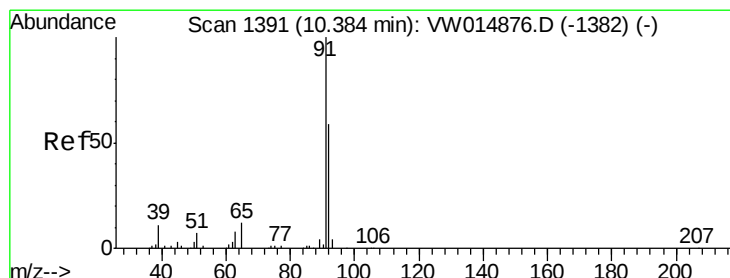
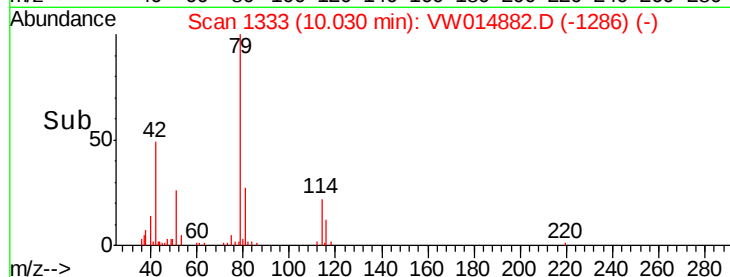


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->



#44

Toluene

Concen: 1.493 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW014882.D

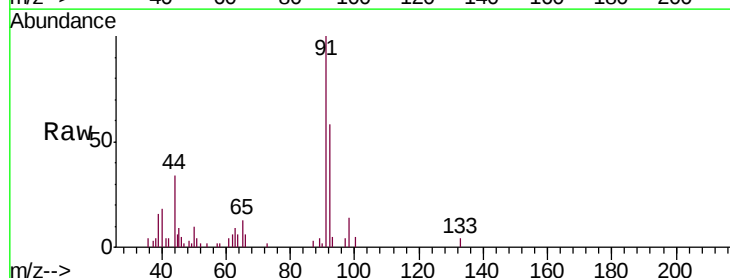
Acq: 05 Feb 2020 21:33

Tgt Ion: 91 Resp: 5007

Ion Ratio Lower Upper

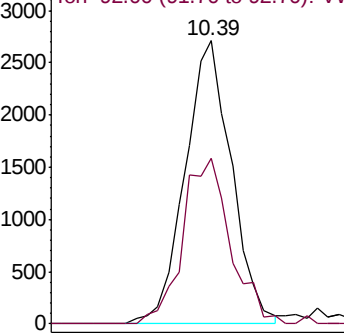
91 100

92 58.5 41.4 77.0

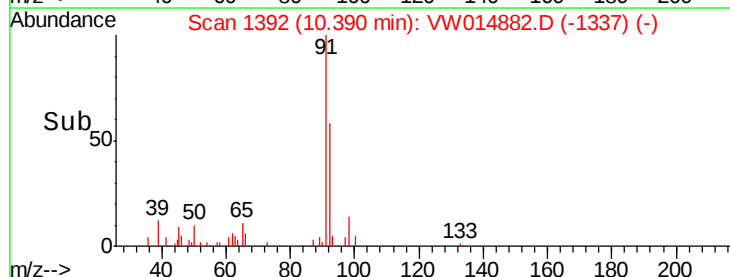


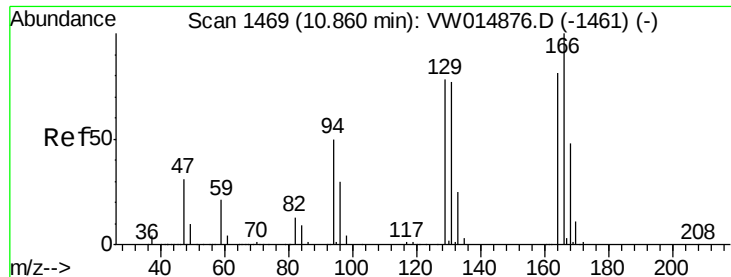
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->





#47

Tetrachloroethene

Concen: 0.562 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014882.D

Acq: 05 Feb 2020 21:33

Instrument :

MSVOA_W

ClientSampleId :

GAT74

Tgt Ion:164 Resp: 338

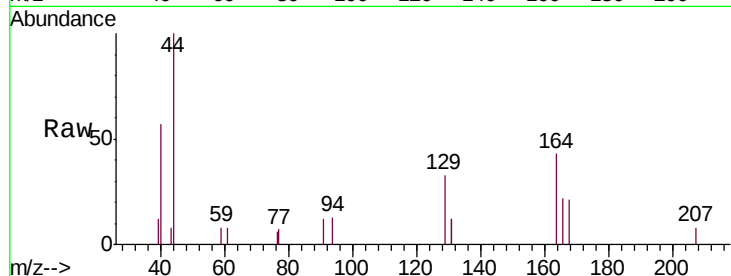
Ion Ratio Lower Upper

164 100

129 77.0 67.5 125.4

131 55.8 64.0 119.0#

166 51.9 87.0 161.6#



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->

10.86

300

200

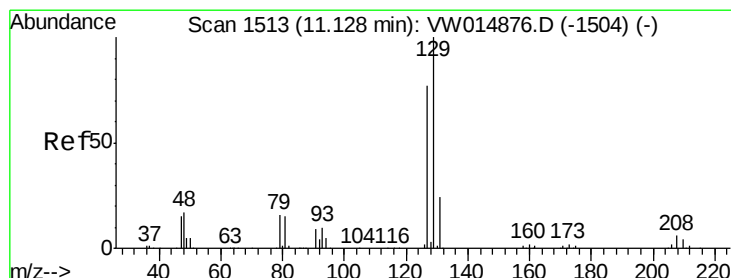
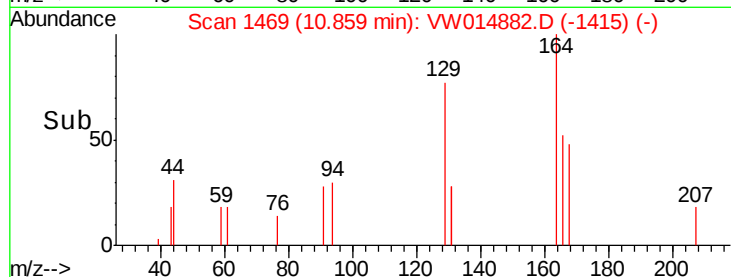
100

0

10.84

10.86

10.88



#50

Dibromochloromethane

Concen: 0.521 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW014882.D

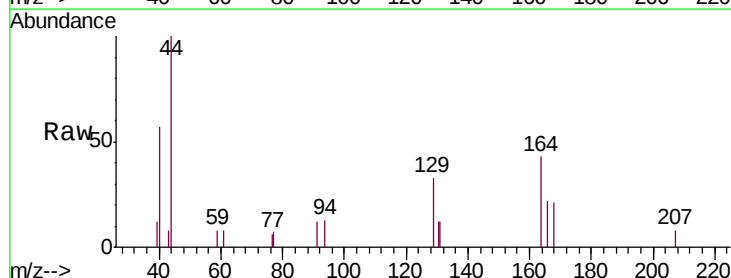
Acq: 05 Feb 2020 21:33

Tgt Ion:129 Resp: 326

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->

10.86

300

200

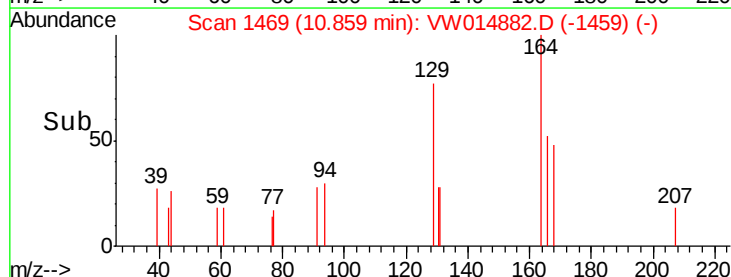
100

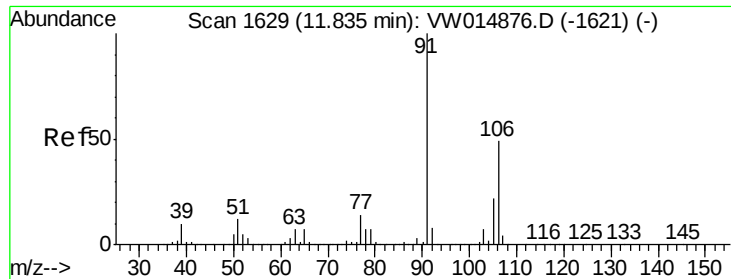
0

10.84

10.86

10.88





#54

m,p-Xylene

Concen: 0.291 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.10 min

Lab File: VW014882.D

Acq: 05 Feb 2020 21:33

Instrument :

MSVOA_W

ClientSampled :

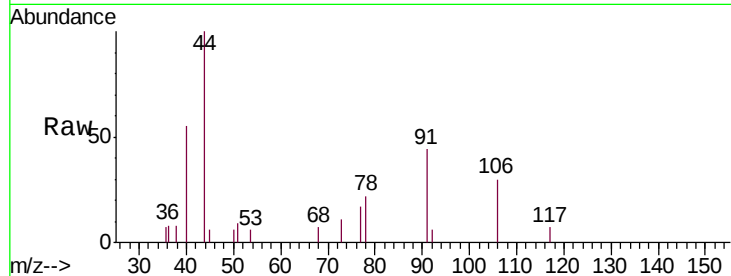
GAT74

Tgt Ion:106 Resp: 390

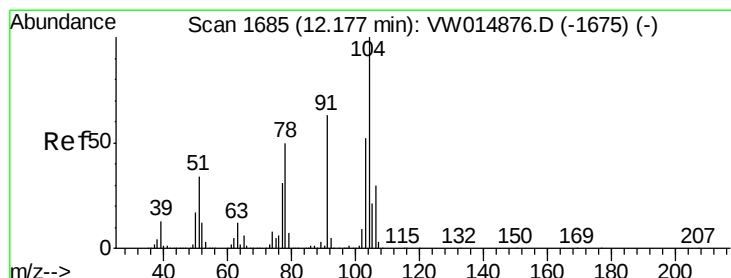
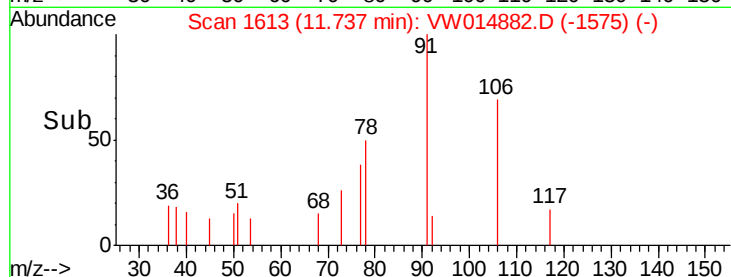
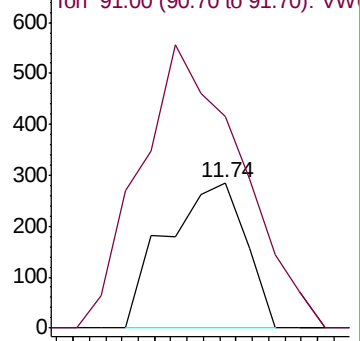
Ion Ratio Lower Upper

106 100

91 145.5 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V



#56

Styrene

Concen: 0.470 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VW014882.D

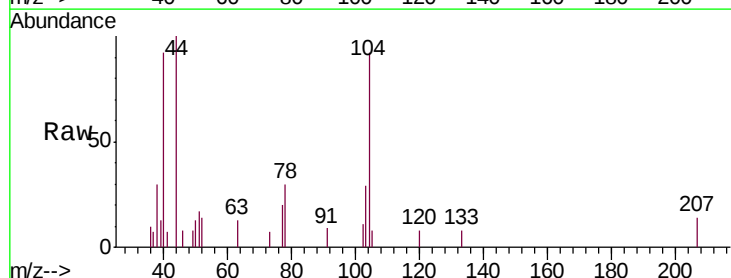
Acq: 05 Feb 2020 21:33

Tgt Ion:104 Resp: 1014

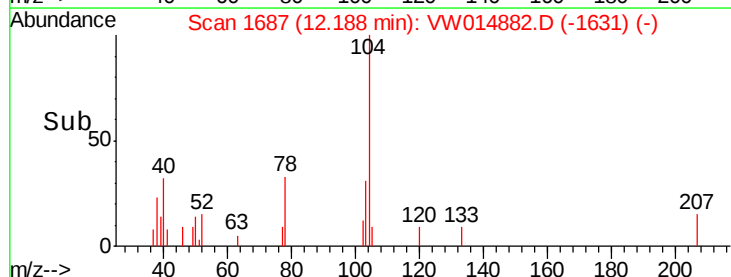
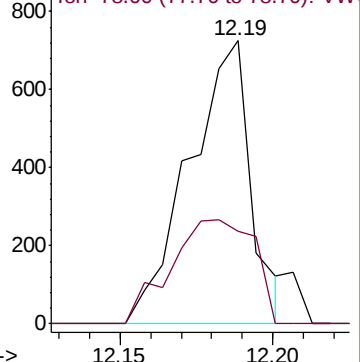
Ion Ratio Lower Upper

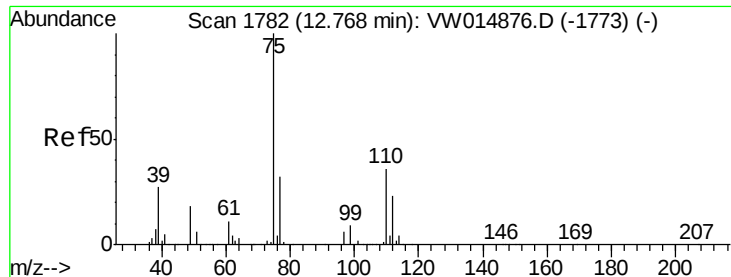
104 100

78 32.8 33.8 62.8#



Abundance Ion 104.00 (103.70 to 104.70): V

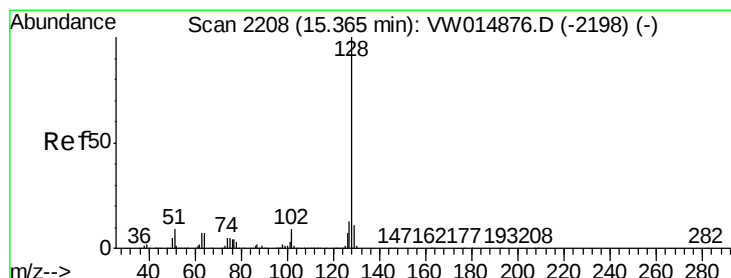
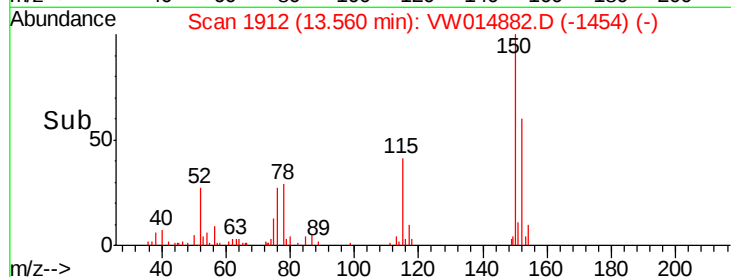
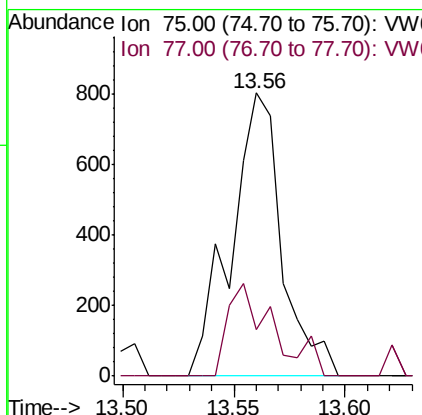
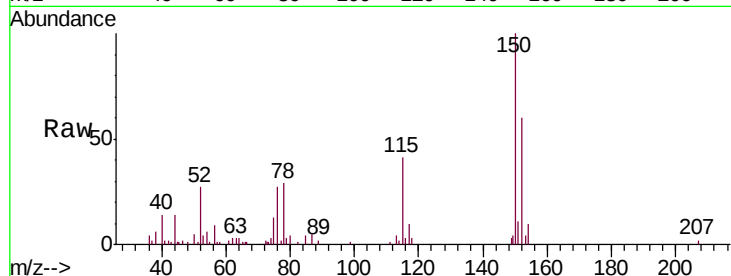




#59
 1,2,3-Trichloropropane
 Concen: 2.346 ug/L
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.79 min
 Lab File: VW014882.D
 Acq: 05 Feb 2020 21:33

Instrument :
 MSVOA_W
 ClientSampled :
 GAT74

Tgt Ion: 75 Resp: 1282
 Ion Ratio Lower Upper
 75 100
 77 26.0 25.9 38.9



#69
 Naphthalene
 Concen: 6.473 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW014882.D
 Acq: 05 Feb 2020 21:33

Tgt Ion: 128 Resp: 3493
 Ion Ratio Lower Upper
 128 100
 129 7.4 8.7 13.1#
 127 8.3 10.5 15.7#

