

Data File : VW014774.D
Acq On : 27 Jan 2020 19:13
Operator : SY/VA
Sample : L1271-12
Misc : 5.04G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAT03

Quant Time: Jan 28 07:21:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 28 07:18:57 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	349720	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	312306	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	123937	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	131608	23.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.04%
7) Chloroethane-d5	2.89	69	100824	21.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.68%
10) 1,1-Dichloroethene-d2	4.01	63	161570	16.12	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.48%
20) 2-Butanone-d5	7.08	46	63856	40.60	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.20%
24) Chloroform-d	7.65	84	204160	21.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	8.45	65	157	0.03	ug/L	0.15
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.12%#
29) Benzene-d6	8.27	84	409717	20.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.36%
33) 1,2-Dichloropropane-d6	9.27	67	131987	21.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.40%
37) Toluene-d8	10.32	98	336704	19.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.92%
38) trans-1,3-Dichloropropene-	10.57	79	47725	19.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.40%
39) 2-Hexanone-d5	10.92	63	42836	37.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	104056	21.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	106203	21.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.48%

Target Compounds

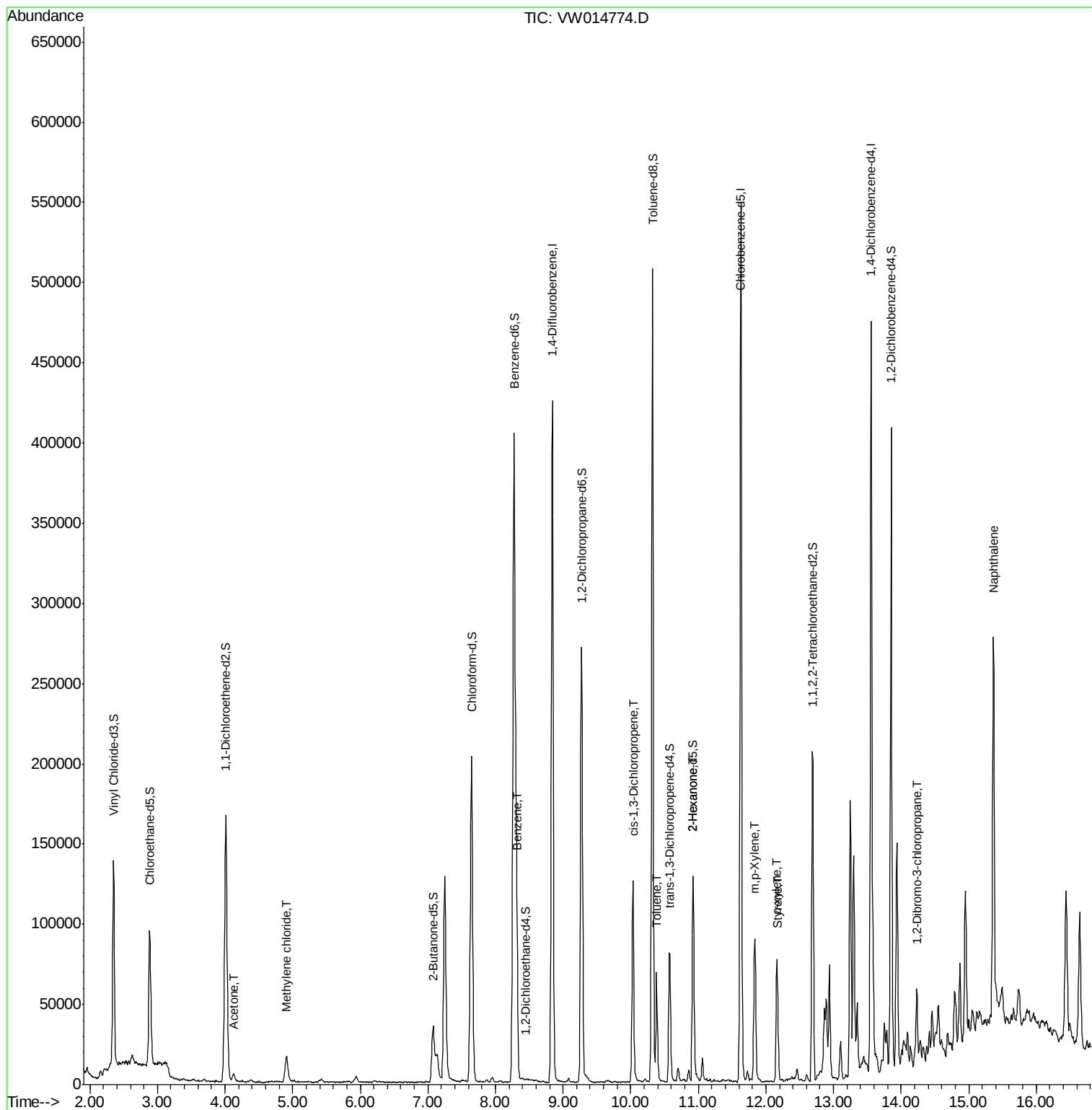
					Qvalue
13) Acetone	4.13	43	8954	5.315 ug/L	83
16) Methylene chloride	4.91	84	10993	1.860 ug/L	97
34) Benzene	8.32	78	17482	0.874 ug/L	100
42) cis-1,3-Dichloropropene	10.03	75	3524	0.476 ug/L #	68
44) Toluene	10.38	91	47518	2.338 ug/L	98
49) 2-Hexanone	10.92	43	6286	2.622 ug/L #	66
54) m,p-Xylene	11.83	106	28565	3.441 ug/L	86
55) o-xylene	12.16	106	18031	2.315 ug/L	98
56) Styrene	12.18	104	8702	0.659 ug/L #	73
66) 1,2-Dibromo-3-chloropropan	14.24	75	1053	1.764 ug/L #	2
69) Naphthalene	15.36	128	206180	25.919 ug/L	99

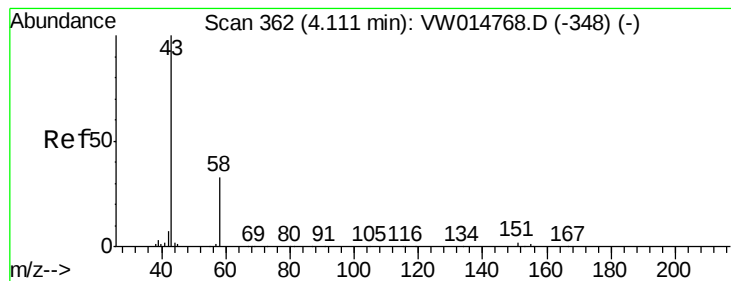
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 5.315 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.02 min

Lab File: VW014774.D

Acq: 27 Jan 2020 19:13

Instrument :

MSVOA_W

ClientSampled :

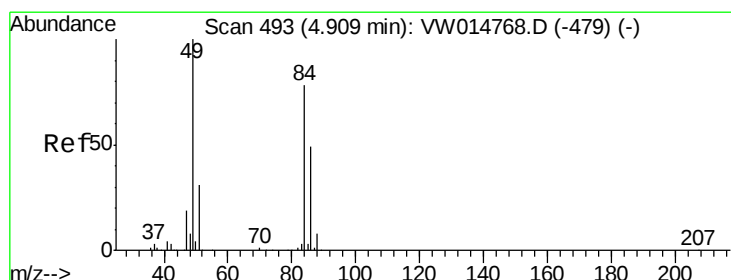
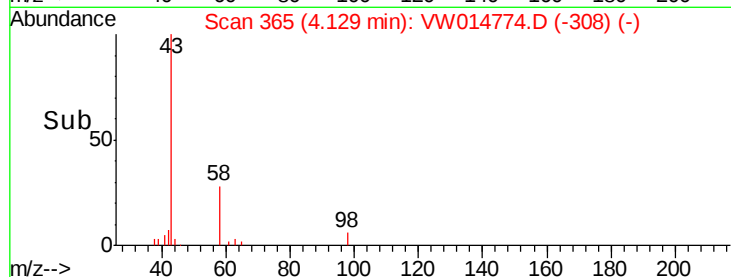
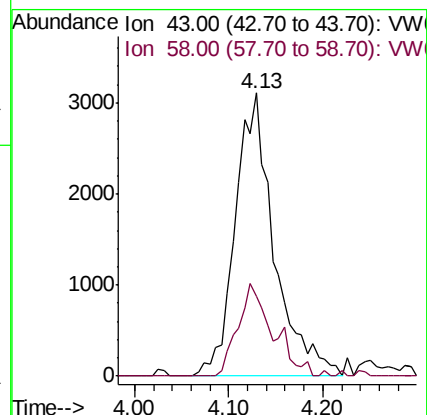
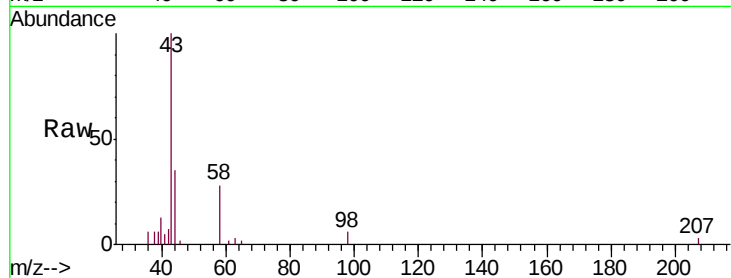
GAT03

Tgt Ion: 43 Resp: 8954

Ion Ratio Lower Upper

43 100

58 23.0 0.0 64.6



#16

Methylene chloride

Concen: 1.860 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW014774.D

Acq: 27 Jan 2020 19:13

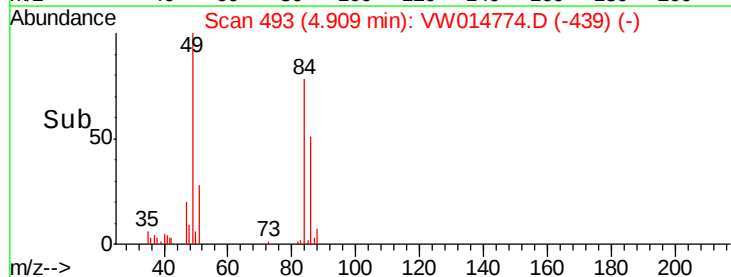
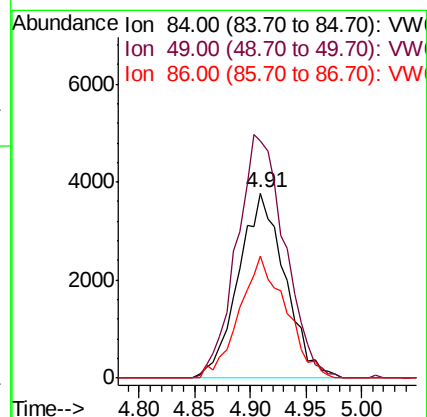
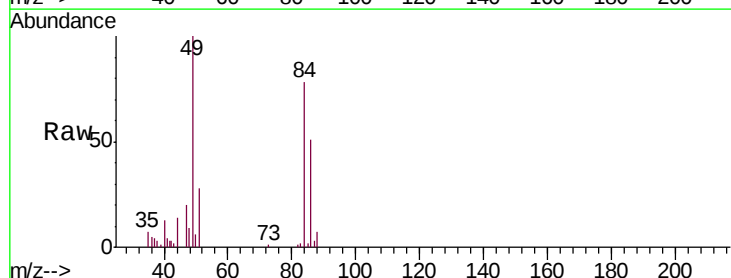
Tgt Ion: 84 Resp: 10993

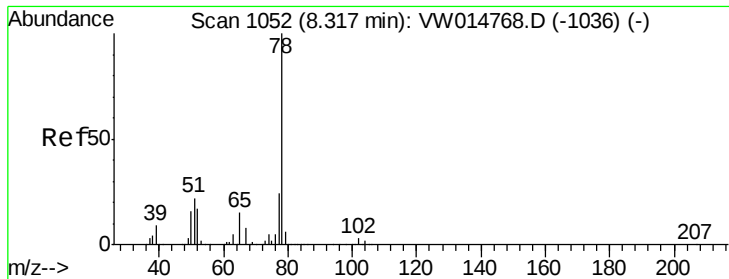
Ion Ratio Lower Upper

84 100

49 127.9 90.9 168.7

86 65.9 43.5 80.7





#34

Benzene

Concen: 0.874 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW014774.D

Acq: 27 Jan 2020 19:13

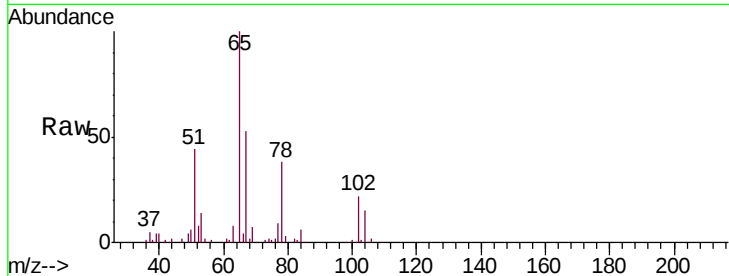
Instrument :

MSVOA_W

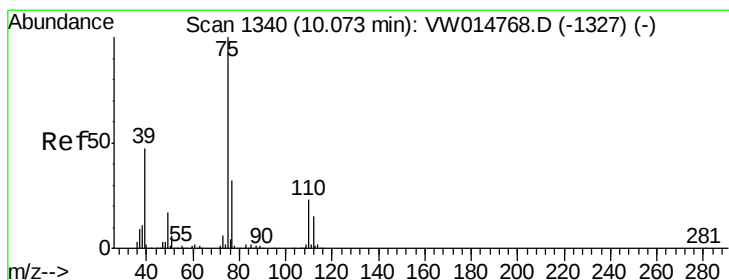
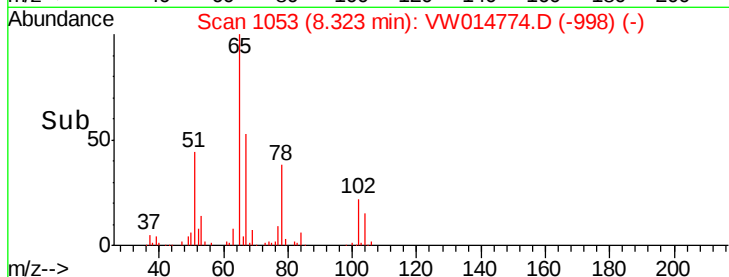
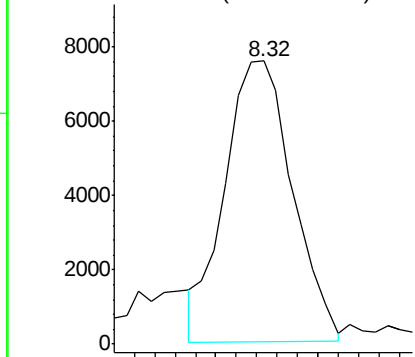
ClientSampled :

GAT03

Tgt Ion: 78 Resp: 17482



Abundance Ion 78.00 (77.70 to 78.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.476 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014774.D

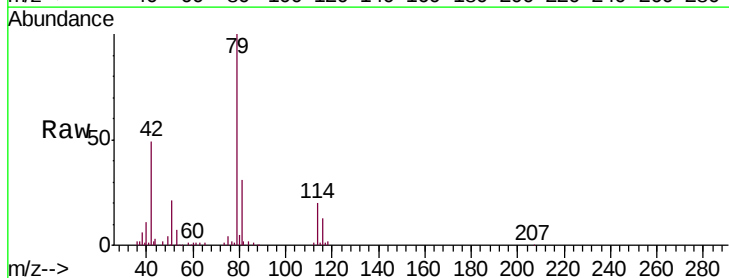
Acq: 27 Jan 2020 19:13

Tgt Ion: 75 Resp: 3524

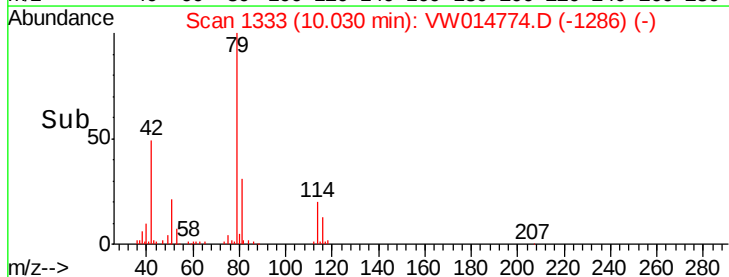
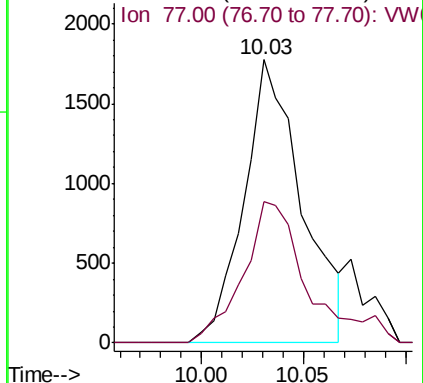
Ion Ratio Lower Upper

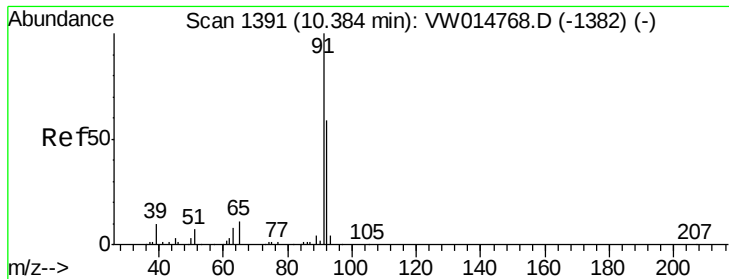
75 100

77 49.7 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VW





#44

Toluene

Concen: 2.338 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014774.D

Acq: 27 Jan 2020 19:13

Instrument :

MSVOA_W

ClientSampled :

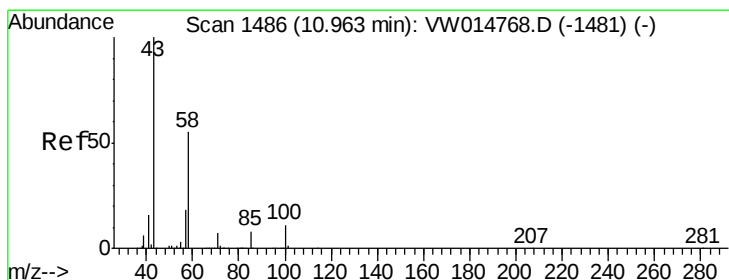
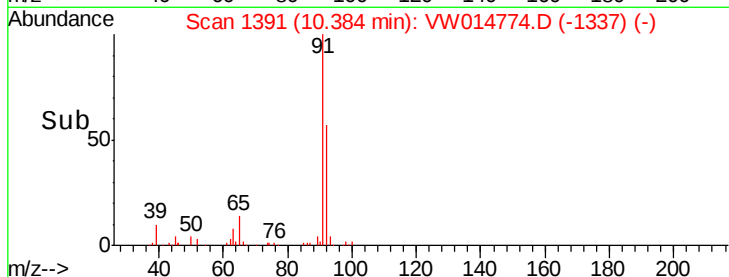
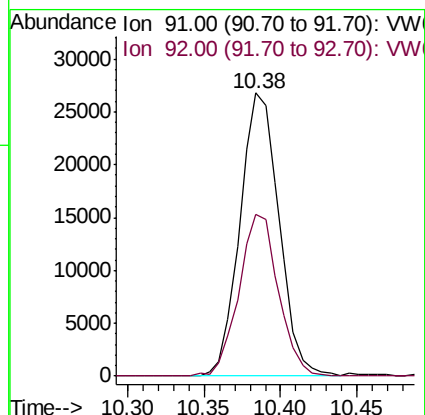
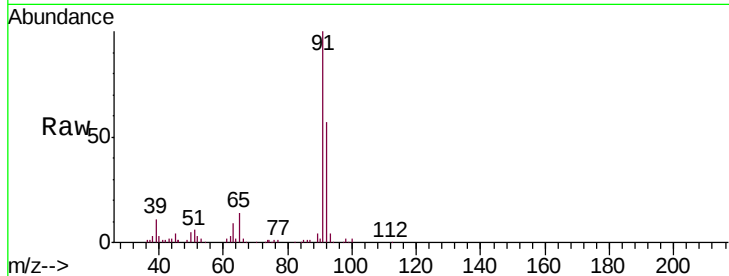
GAT03

Tgt Ion: 91 Resp: 47518

Ion Ratio Lower Upper

91 100

92 57.0 40.7 75.7



#49

2-Hexanone

Concen: 2.622 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.04 min

Lab File: VW014774.D

Acq: 27 Jan 2020 19:13

Tgt Ion: 43 Resp: 6286

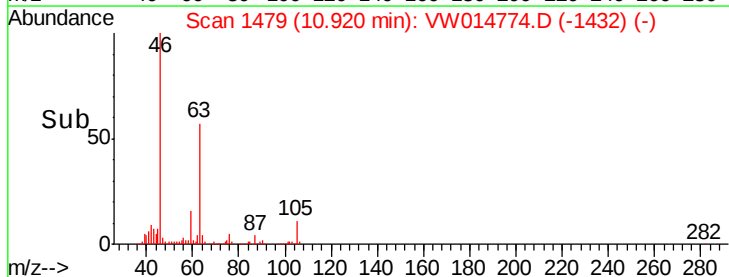
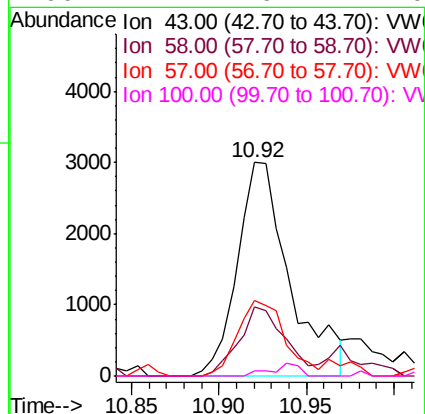
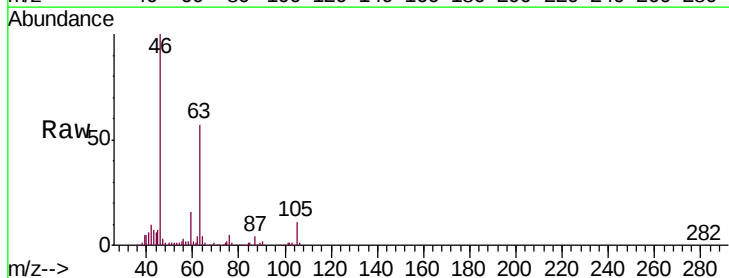
Ion Ratio Lower Upper

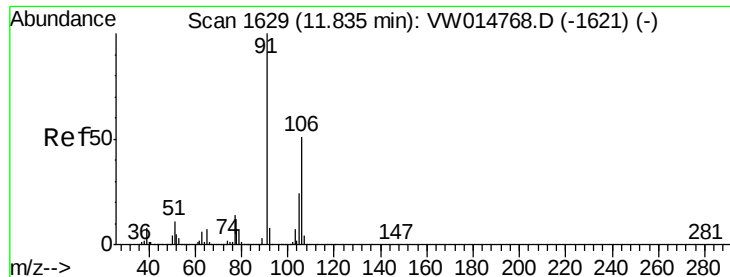
43 100

58 27.6 43.2 64.8#

57 31.7 14.7 22.1#

100 1.2 9.4 14.0#





#54

m,p-Xylene

Concen: 3.441 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014774.D

Acq: 27 Jan 2020 19:13

Instrument :

MSVOA_W

ClientSampleId :

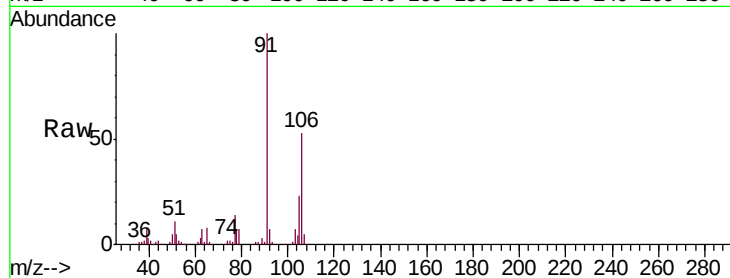
GAT03

Tgt Ion:106 Resp: 28565

Ion Ratio Lower Upper

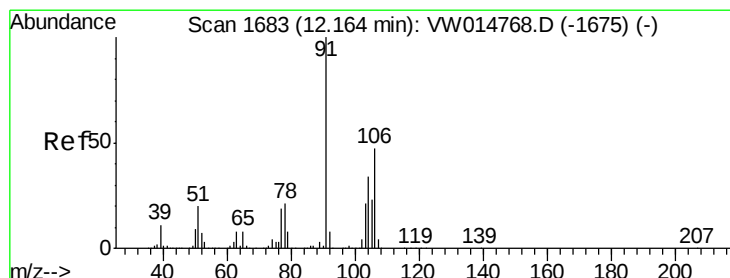
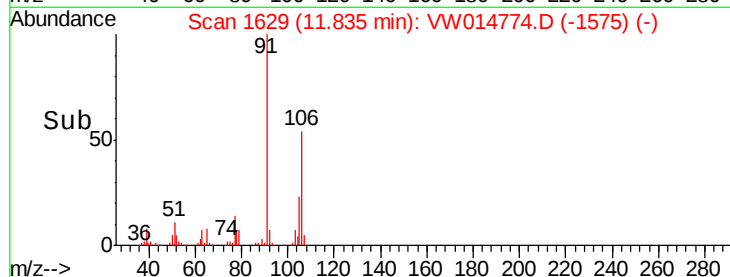
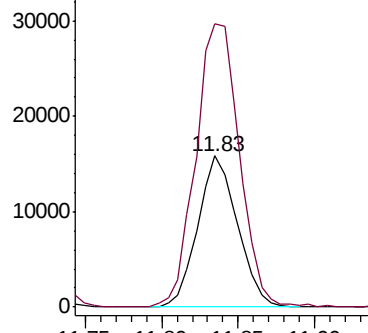
106 100

91 187.2 146.2 271.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.315 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014774.D

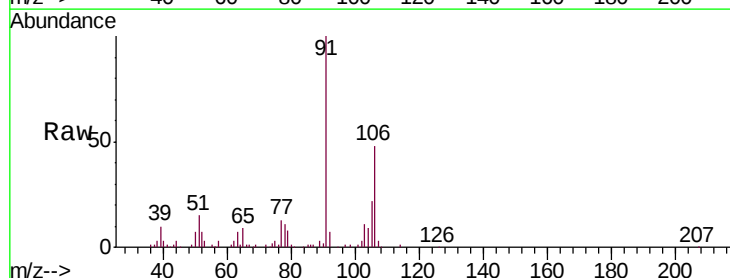
Acq: 27 Jan 2020 19:13

Tgt Ion:106 Resp: 18031

Ion Ratio Lower Upper

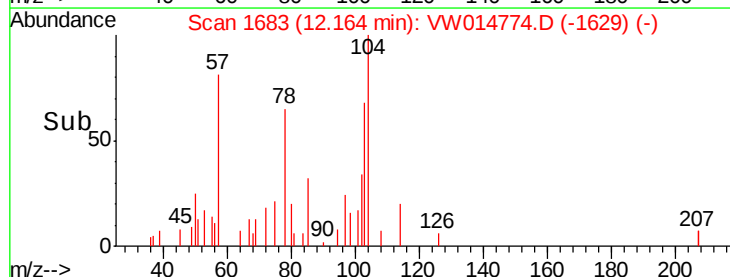
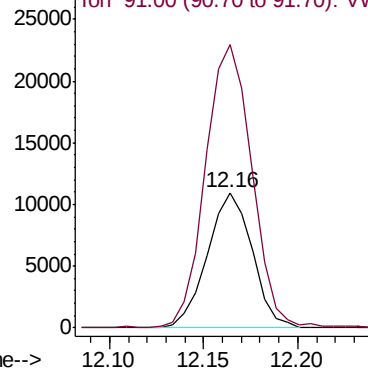
106 100

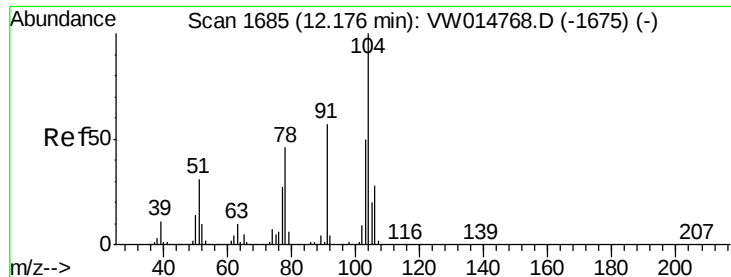
91 209.9 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 0.659 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014774.D

Acq: 27 Jan 2020 19:13

Instrument :

MSVOA_W

ClientSampled :

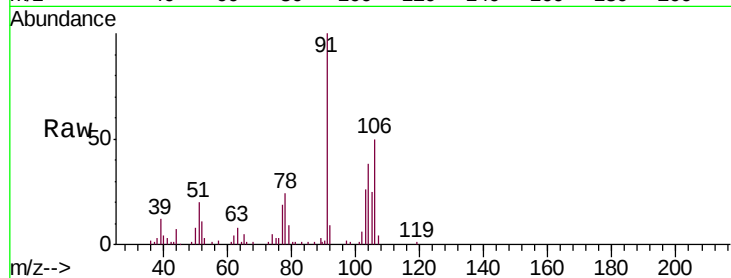
GAT03

Tgt Ion:104 Resp: 8702

Ion Ratio Lower Upper

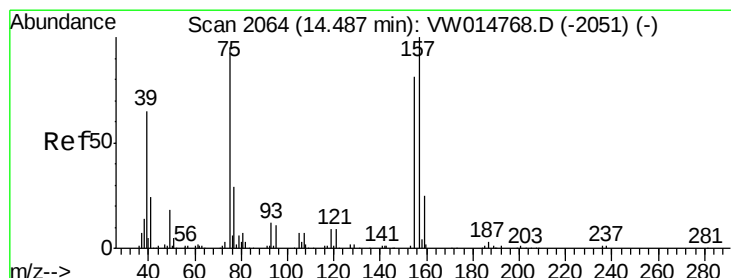
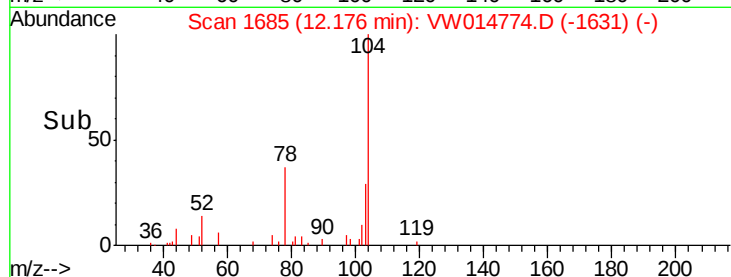
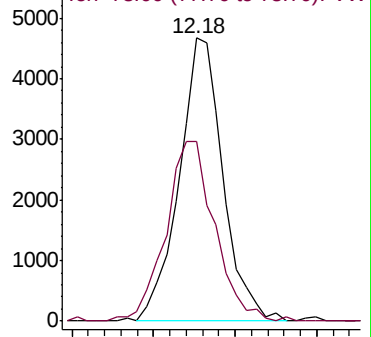
104 100

78 63.5 32.0 59.4#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#66

1,2-Dibromo-3-chloropropane

Concen: 1.764 ug/L

RT: 14.24 min Scan# 2023

Delta R.T. -0.25 min

Lab File: VW014774.D

Acq: 27 Jan 2020 19:13

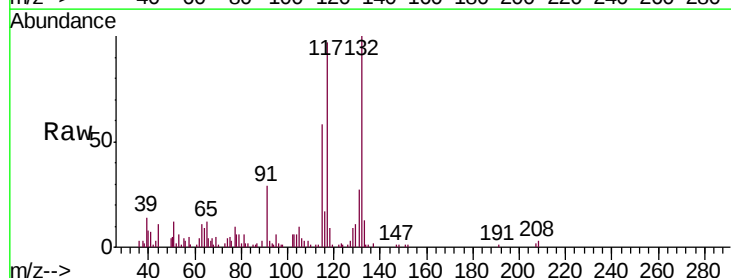
Tgt Ion: 75 Resp: 1053

Ion Ratio Lower Upper

75 100

157 0.0 84.9 127.3#

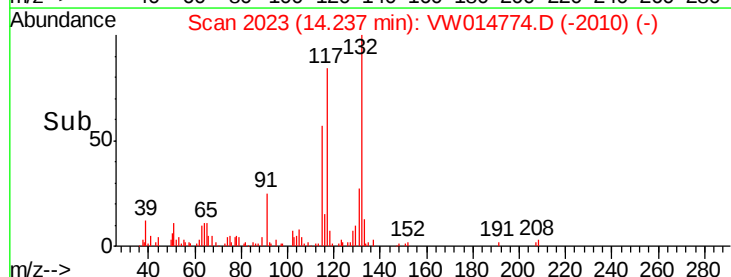
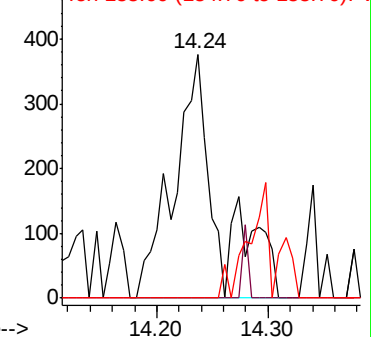
155 0.0 67.1 100.7#

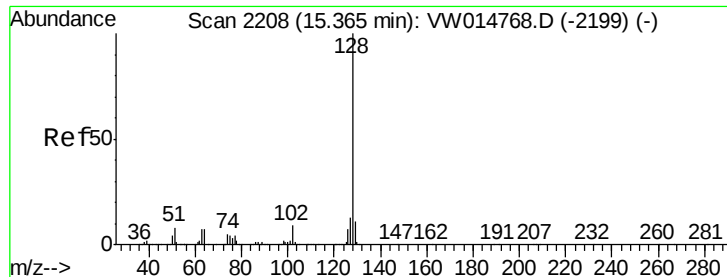


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#69

Naphthalene

Concen: 25.919 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014774.D

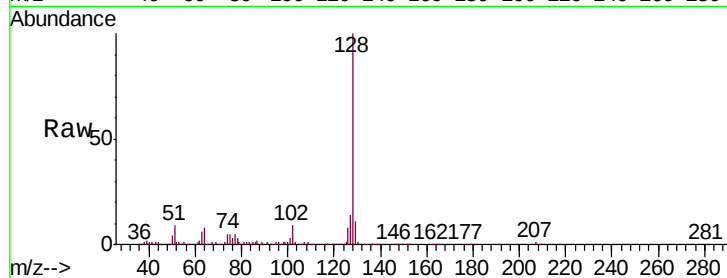
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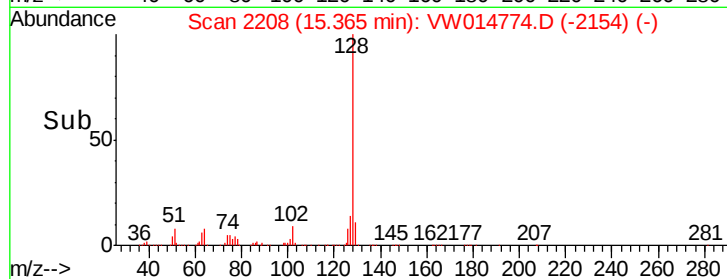
Tgt Ion:128 Resp: 206180

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 13.9 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

