

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
 Data File : VW016669.D
 Acq On : 28 Sep 2020 15:34
 Operator : SY/VA
 Sample : VIBLK
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Sep 29 05:29:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 29 05:26:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	603296	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	544198	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	266506	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	95889	16.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.68%
7) Chloroethane-d5	2.91	69	87720	18.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.60%
10) 1,1-Dichloroethene-d2	4.03	63	157249	12.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.16%
20) 2-Butanone-d5	7.09	46	67646	42.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.98%
24) Chloroform-d	7.65	84	281504	22.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.24%
26) 1,2-Dichloroethane-d4	8.31	65	149366	23.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.24%
29) Benzene-d6	8.28	84	503668	20.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.56%
33) 1,2-Dichloropropane-d6	9.28	67	149672	22.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.52%
37) Toluene-d8	10.33	98	455270	18.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.84%
38) trans-1,3-Dichloropropene-	10.58	79	67179	20.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.60%
39) 2-Hexanone-d5	10.93	63	55825	46.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	134002	23.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	202321	23.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.04%

Target Compounds

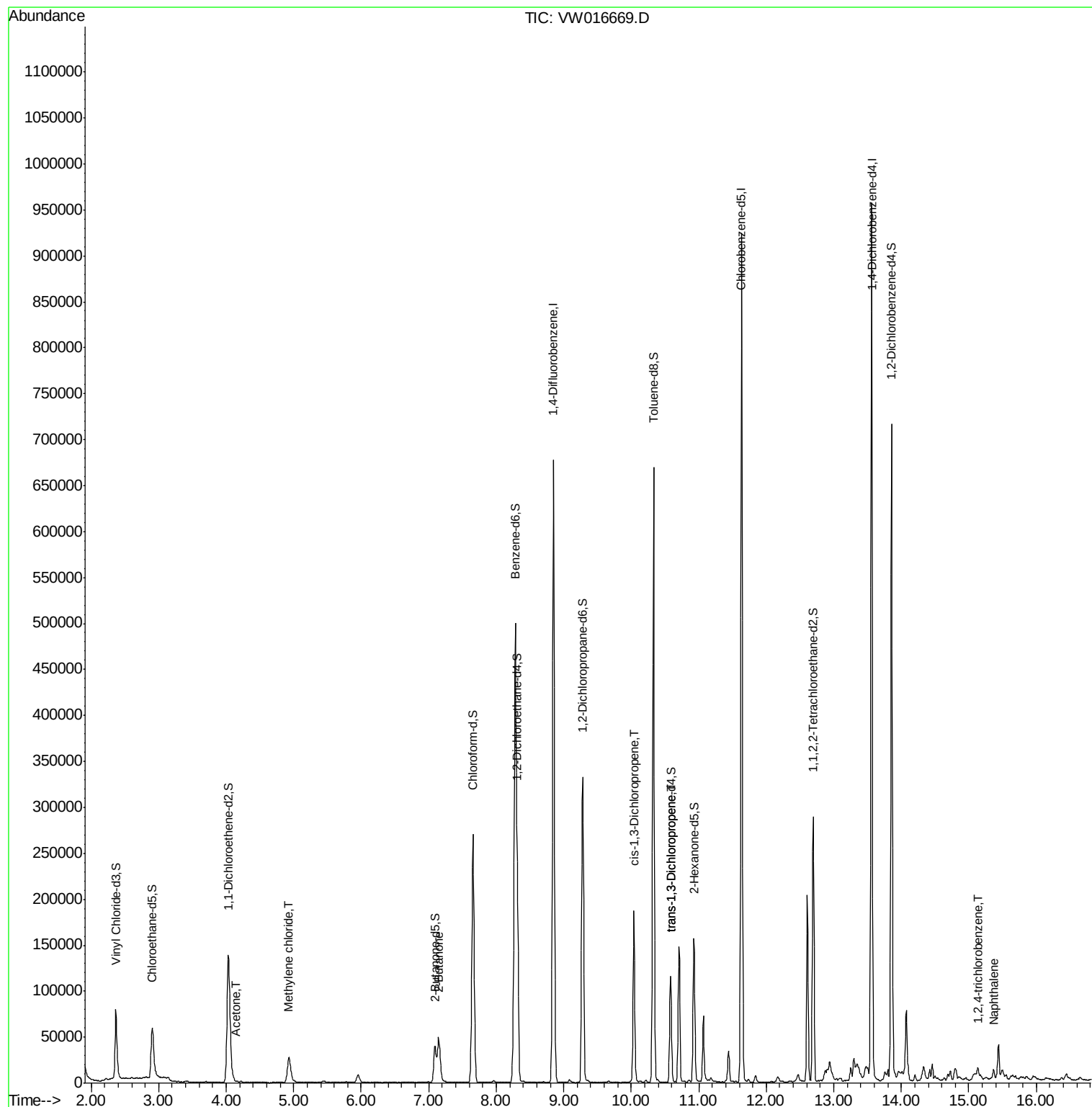
					Ovalue
13) Acetone	4.15	43	451	0.362 ug/L	100
16) Methylene chloride	4.93	84	25215	2.710 ug/L	98
21) 2-Butanone	7.15	43	1536	0.724 ug/L	86
42) cis-1,3-Dichloropropene	10.04	75	4962	0.428 ug/L #	36
45) trans-1,3-Dichloropropene	10.59	75	3613	0.358 ug/L	96
68) 1,2,4-trichlorobenzene	15.13	180	3616	0.353 ug/L #	91
69) Naphthalene	15.36	128	9824	0.540 ug/L	97

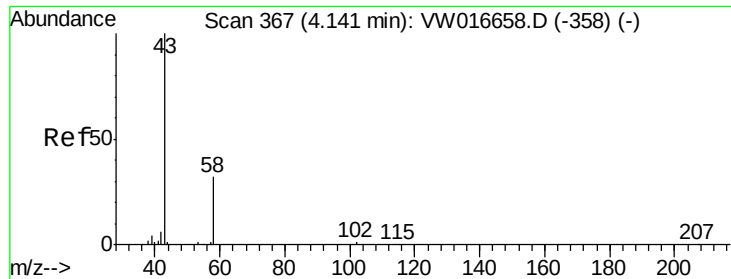
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 0.362 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

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Acq: 28 Sep 2020 15:34

Instrument :

MSVOA_W

ClientSampled :

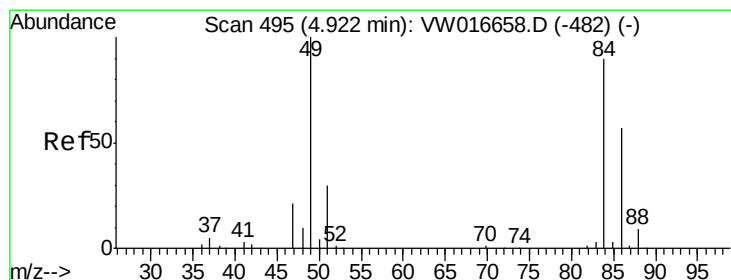
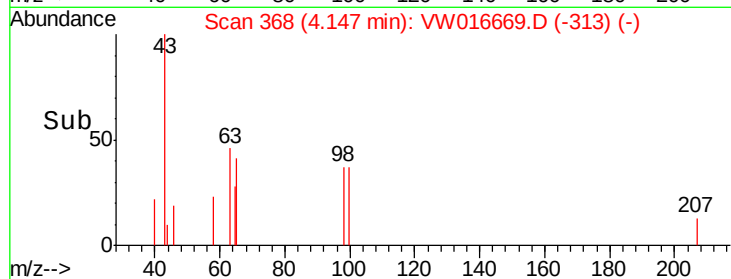
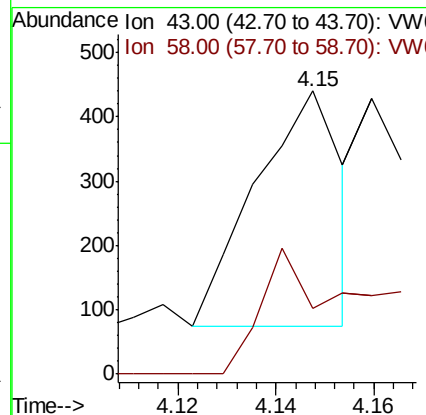
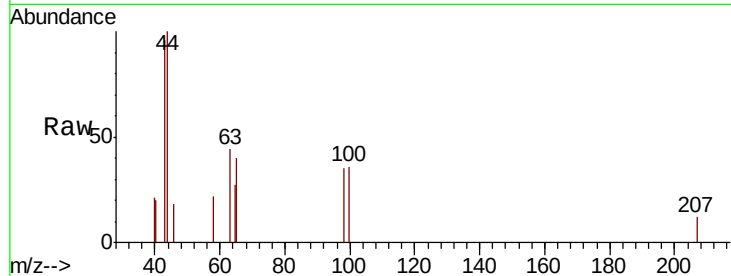
VIBLK

Tot Ion: 43 Resp: 451

Ion Ratio Lower Upper

43 100

58 29.9 0.0 60.2



#16

Methylene chloride

Concen: 2.710 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016669.D

Acq: 28 Sep 2020 15:34

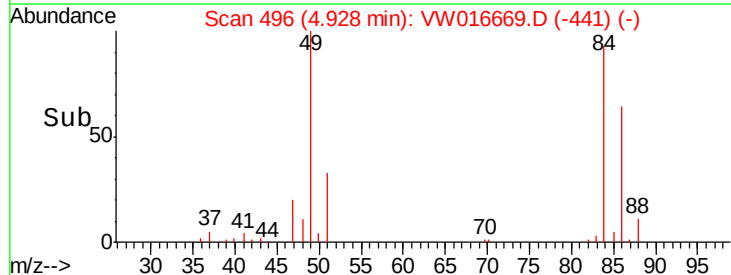
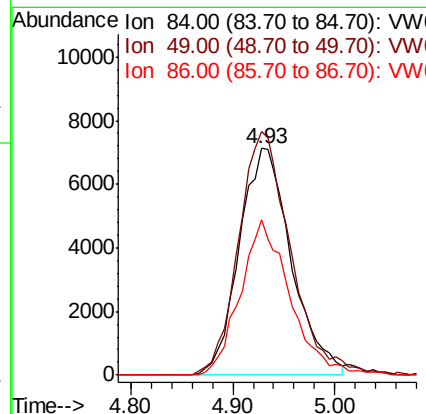
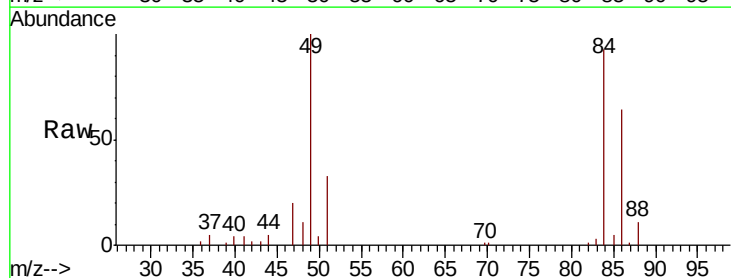
Tgt Ion: 84 Resp: 25215

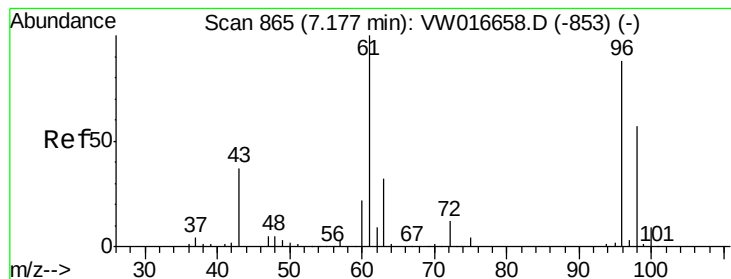
Ion Ratio Lower Upper

84 100

49 107.5 76.0 141.2

86 68.5 45.6 84.6





#21

2-Butanone

Concen: 0.724 ug/L

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW016669.D

Acq: 28 Sep 2020 15:34

Instrument :

MSVOA_W

ClientSampleId :

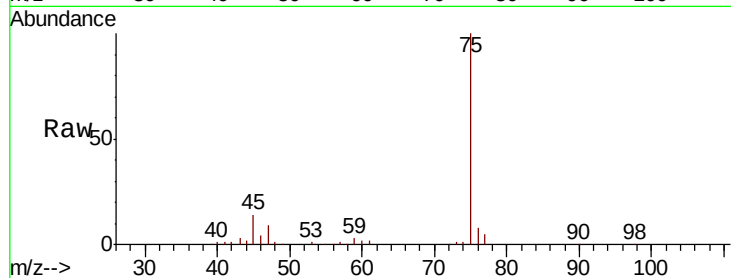
VIBLK

Tot Ion: 43 Resp: 1536

Ion Ratio Lower Upper

43 100

72 21.9 14.6 43.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

800

600

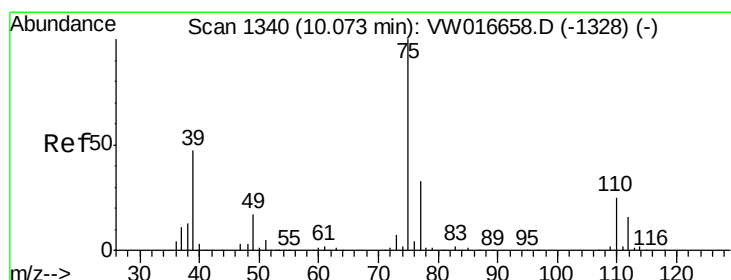
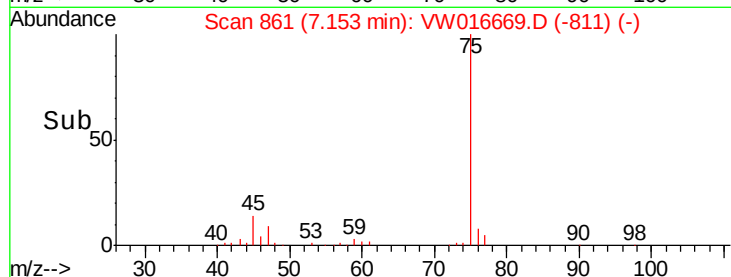
400

200

0

7.10 7.15 7.20

Time-->



#42

cis-1,3-Dichloropropene

Concen: 0.428 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016669.D

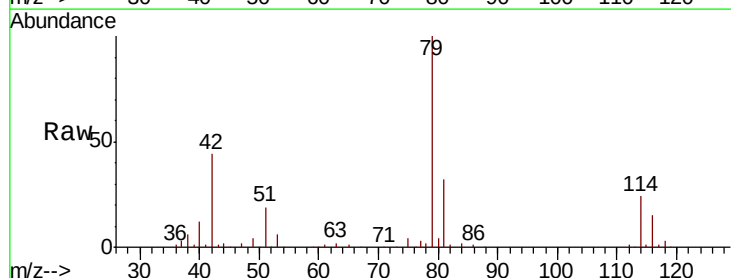
Acq: 28 Sep 2020 15:34

Tgt Ion: 75 Resp: 4962

Ion Ratio Lower Upper

75 100

77 67.0 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

3000

2500

2000

1500

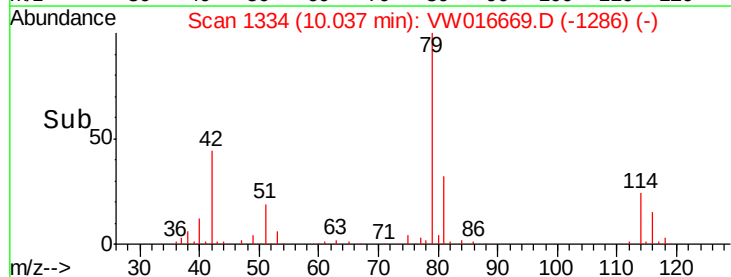
1000

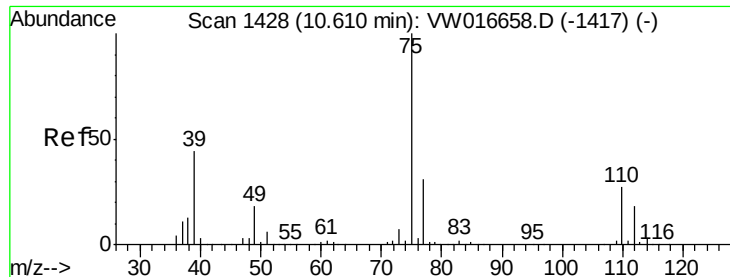
500

0

10.00 10.05

Time-->





#45

trans-1,3-Dichloropropene

Concen: 0.358 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016669.D

Acq: 28 Sep 2020 15:34

Instrument :

MSVOA_W

ClientSampleId :

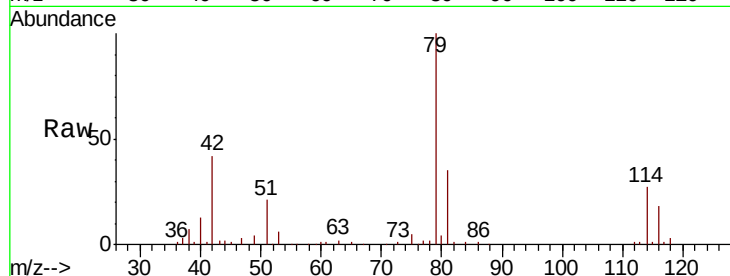
VIBLK

Tot Ion: 75 Resp: 3613

Ion Ratio Lower Upper

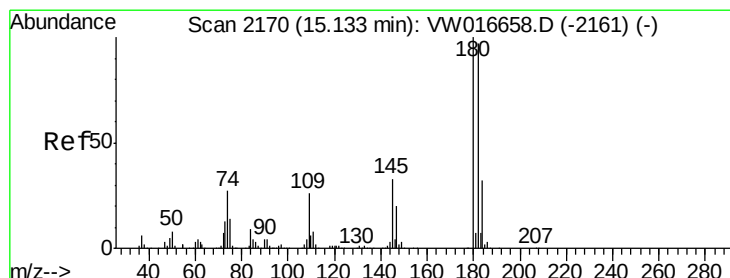
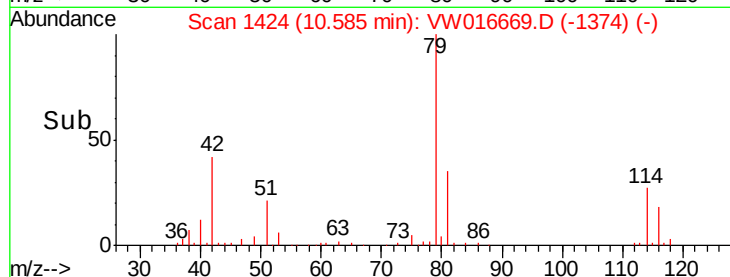
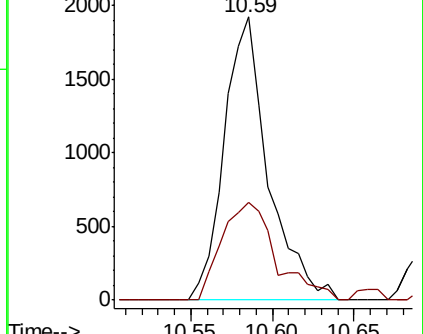
75 100

77 34.4 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#68

1,2,4-trichlorobenzene

Concen: 0.353 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW016669.D

Acq: 28 Sep 2020 15:34

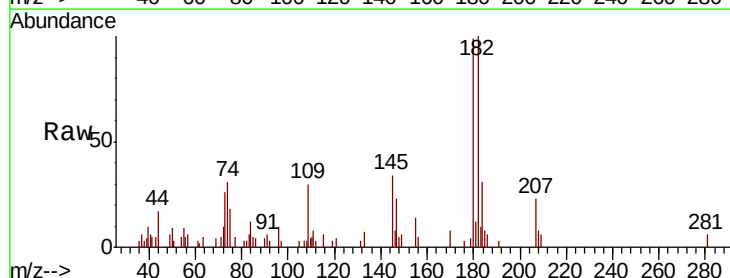
Tgt Ion:180 Resp: 3616

Ion Ratio Lower Upper

180 100

182 100.4 74.5 111.7

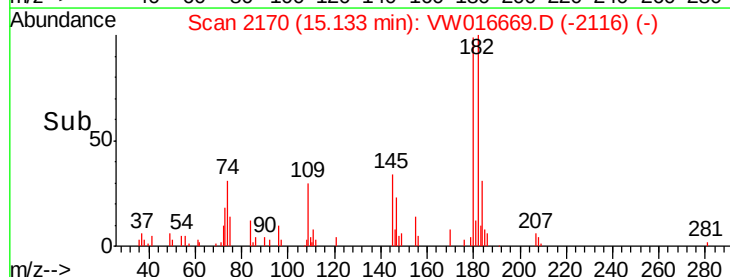
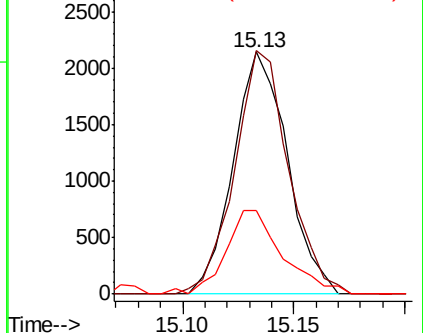
145 35.9 23.1 34.7#

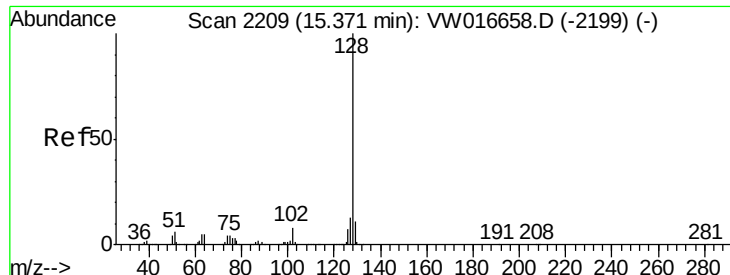


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 0.540 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

VIBLK

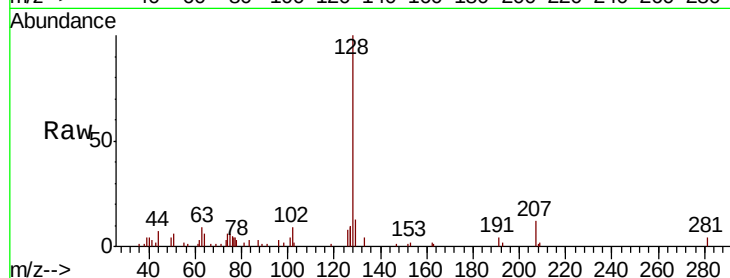
Tot Ion:128 Resp: 9824

Ion Ratio Lower Upper

128 100

129 13.1 8.9 13.3

127 13.4 10.8 16.2



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

