

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
 Data File : VW016663.D
 Acq On : 28 Sep 2020 12:38
 Operator : SY/VA
 Sample : L4171-02
 Misc : 6.35G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3X9

Quant Time: Sep 29 05:28:17 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	738933	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	655054	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	318158	25.00	ug/L	0.00

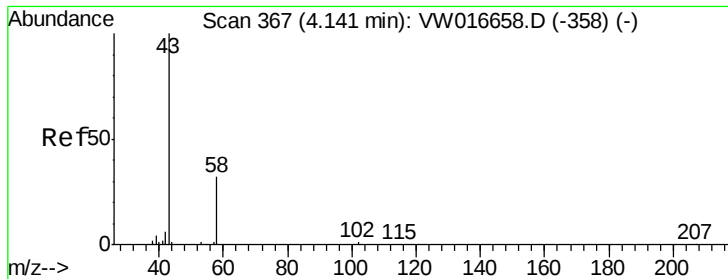
System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	150778	21.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.32%
7) Chloroethane-d5	2.90	69	136311	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.36%
10) 1,1-Dichloroethene-d2	4.03	63	250303	15.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.60%
20) 2-Butanone-d5	7.09	46	79760	40.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.80%
24) Chloroform-d	7.65	84	380894	24.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.56%
26) 1,2-Dichloroethane-d4	8.31	65	192932	24.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.24%
29) Benzene-d6	8.28	84	735535	25.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.16%
33) 1,2-Dichloropropane-d6	9.28	67	207822	26.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.40%
37) Toluene-d8	10.33	98	712738	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.64%
38) trans-1,3-Dichloropropene-	10.59	79	89807	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.52%
39) 2-Hexanone-d5	10.93	63	64114	44.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	152911	22.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	267233	26.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.14	43	12477	8.168	ug/L	98
16) Methylene chloride	4.93	84	21328	1.871	ug/L	95
21) 2-Butanone	7.14	43	4112	1.582	ug/L #	60
35) Trichloroethene	8.85	95	21193	2.086	ug/L #	2
36) Methylcyclohexane	9.28	83	54935	3.188	ug/L #	21
42) cis-1,3-Dichloropropene	10.04	75	7076	0.507	ug/L #	74
45) trans-1,3-Dichloropropene	10.59	75	4348	0.358	ug/L	92
52) Chlorobenzene	11.66	112	49196	1.855	ug/L	92
63) 1,3-Dichlorobenzene	13.50	146	10466	0.506	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	21320	1.052	ug/L	90

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



#13

Acetone

Concen: 8.168 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW016663.D

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Instrument :

MSVOA_W

ClientSampleId :

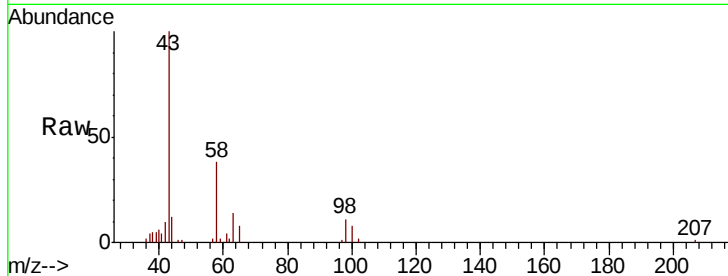
BG3X9

Tot Ion: 43 Resp: 12477

Ion Ratio Lower Upper

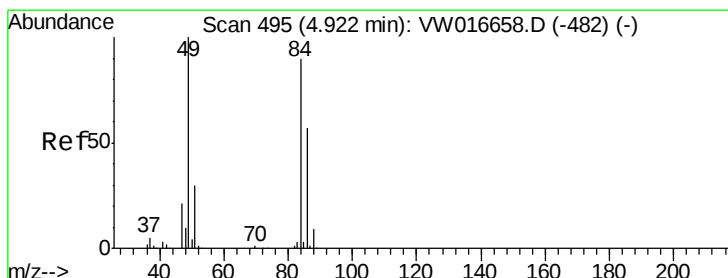
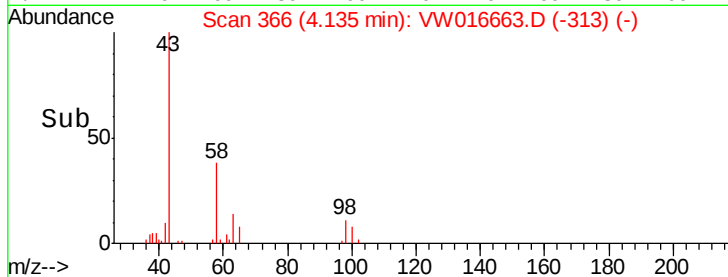
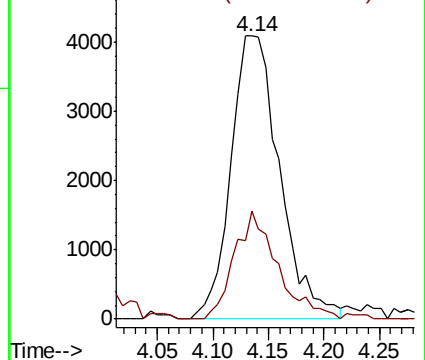
43 100

58 31.3 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.871 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016663.D

Acq: 28 Sep 2020 12:38

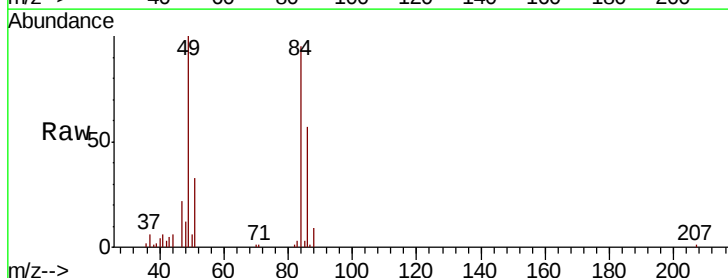
Tgt Ion: 84 Resp: 21328

Ion Ratio Lower Upper

84 100

49 105.3 76.0 141.2

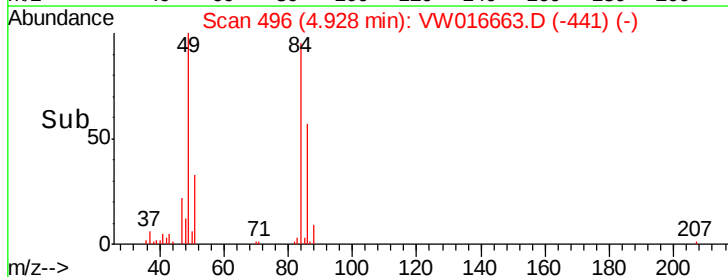
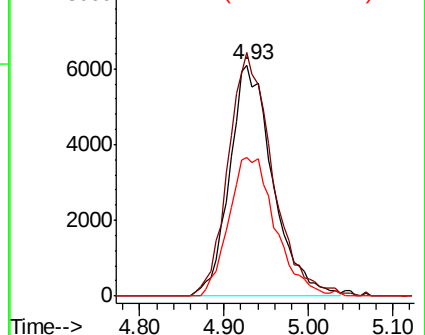
86 59.7 45.6 84.6

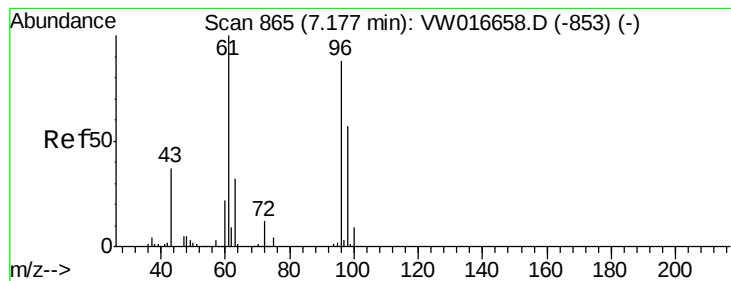


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 1.582 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW016663.D

Acq: 28 Sep 2020 12:38

Instrument :

MSVOA_W

ClientSampled :

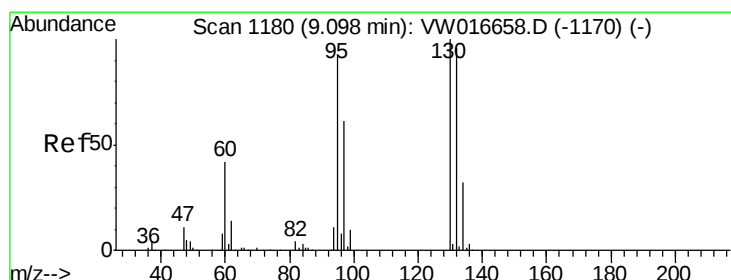
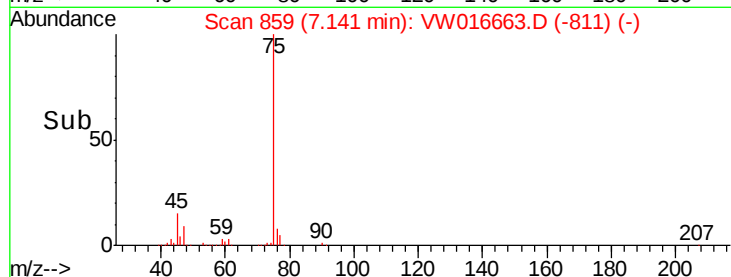
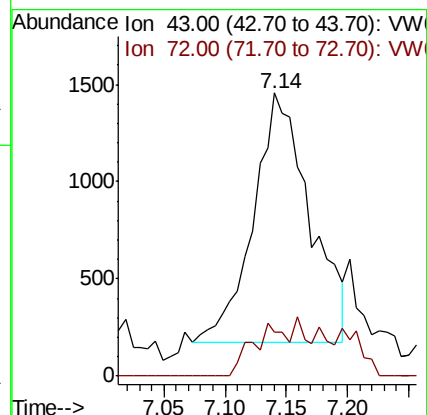
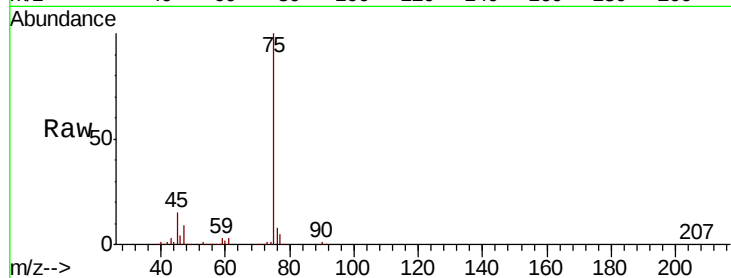
BG3X9

Tot Ion: 43 Resp: 4112

Ion Ratio Lower Upper

43 100

72 7.9 14.6 43.8#



#35

Trichloroethene

Concen: 2.086 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.25 min

Lab File: VW016663.D

Acq: 28 Sep 2020 12:38

Tgt Ion: 95 Resp: 21193

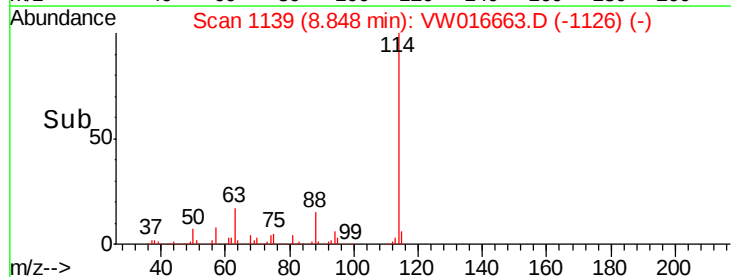
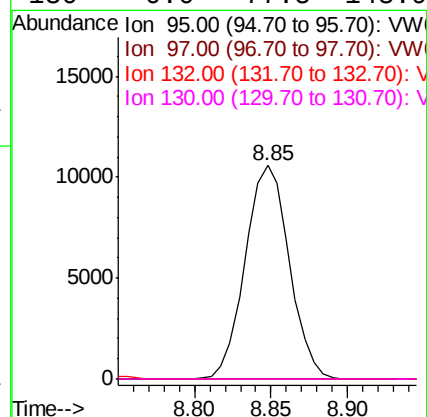
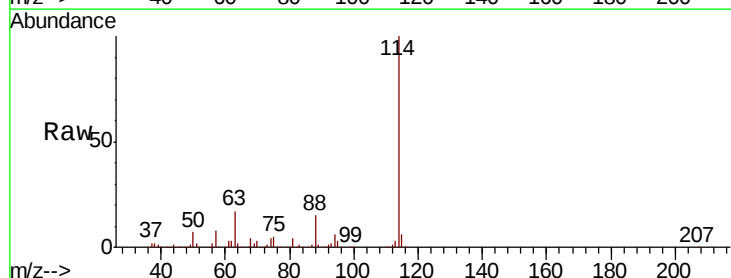
Ion Ratio Lower Upper

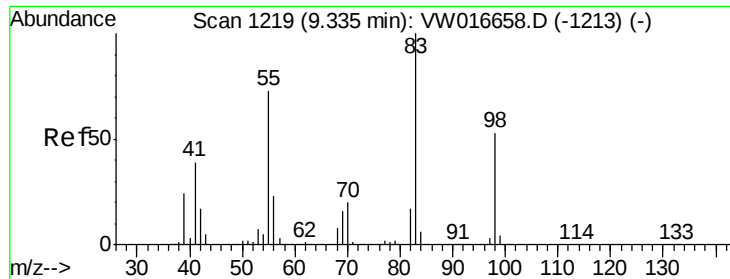
95 100

97 0.0 45.2 84.0#

132 0.0 73.3 136.1#

130 0.0 77.5 143.9#

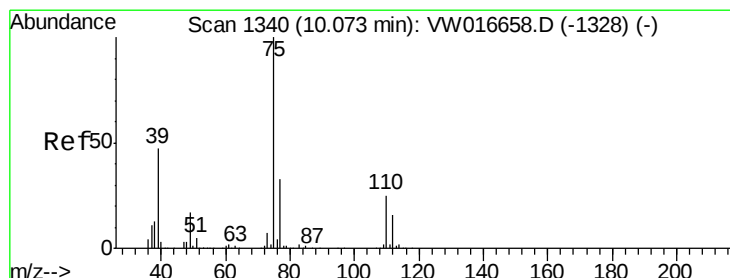
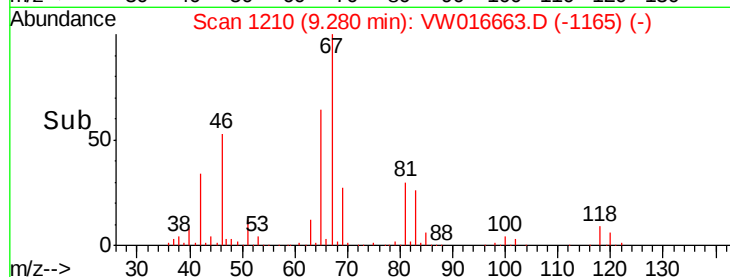
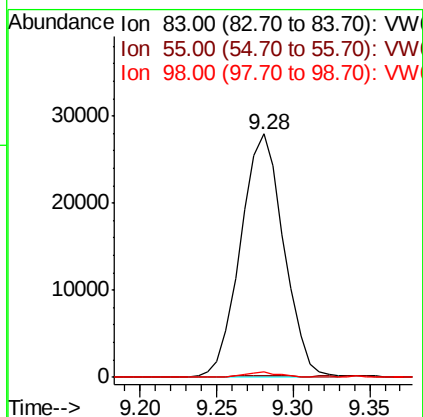
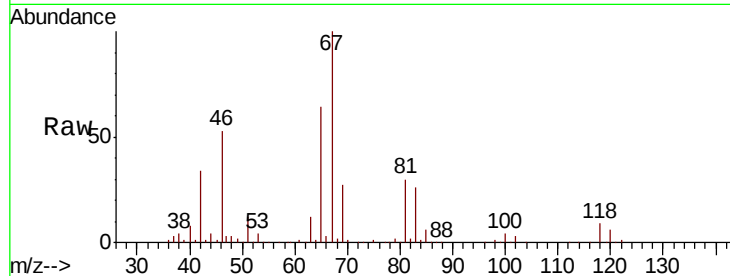




#36
Methylcyclohexane
Concen: 3.188 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.05 min
Lab File: VW016663.D
Acq: 28 Sep 2020 12:38

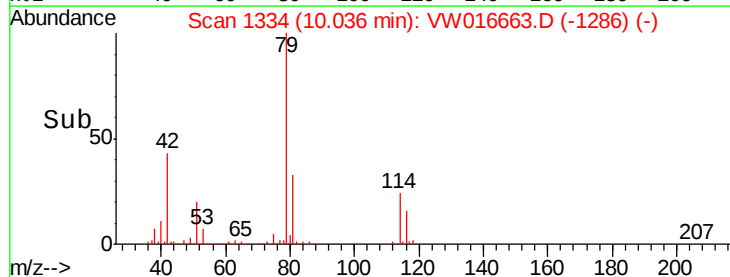
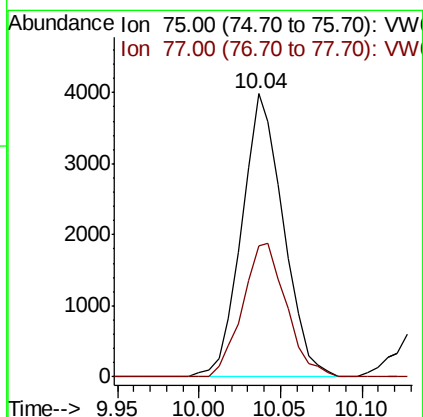
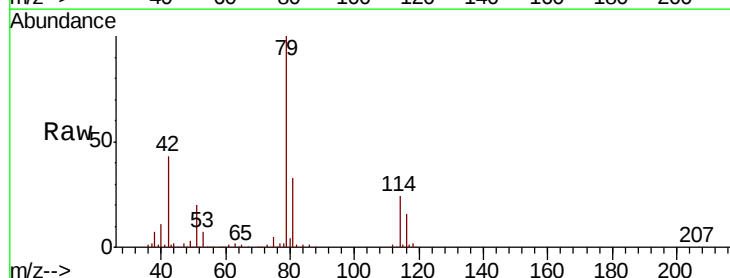
Instrument :
MSVOA_W
ClientSampleId :
BG3X9

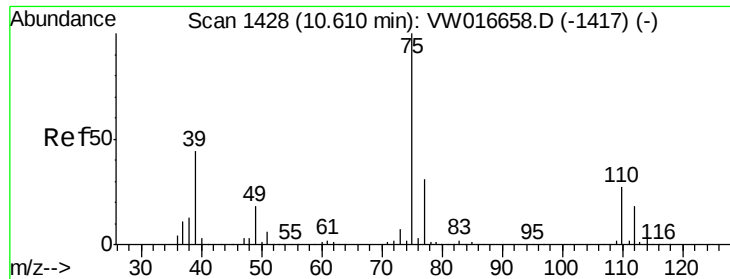
Tot Ion: 83 Resp: 54935
Ion Ratio Lower Upper
83 100
55 1.0 55.9 83.9#
98 1.9 42.1 63.1#



#42
cis-1,3-Dichloropropene
Concen: 0.507 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW016663.D
Acq: 28 Sep 2020 12:38

Tgt Ion: 75 Resp: 7076
Ion Ratio Lower Upper
75 100
77 46.1 22.2 41.2#





#45

trans-1,3-Dichloropropene

Concen: 0.358 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016663.D

Acq: 28 Sep 2020 12:38

Instrument :

MSVOA_W

ClientSampled :

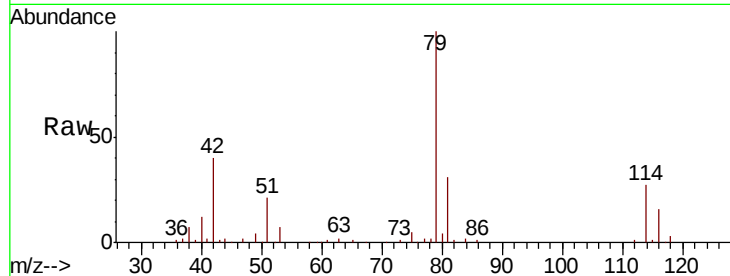
BG3X9

Tot Ion: 75 Resp: 4348

Ion Ratio Lower Upper

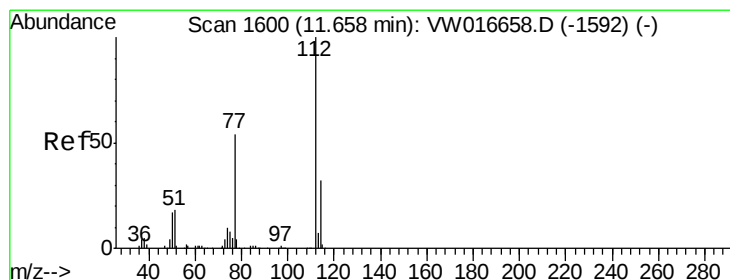
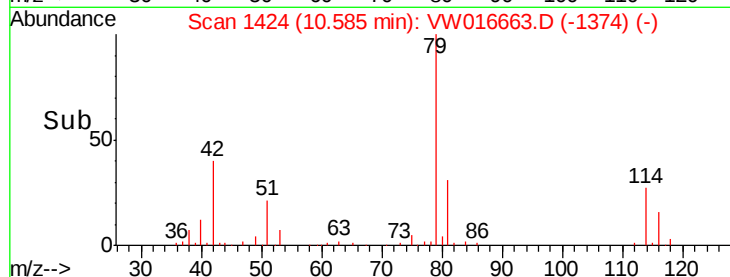
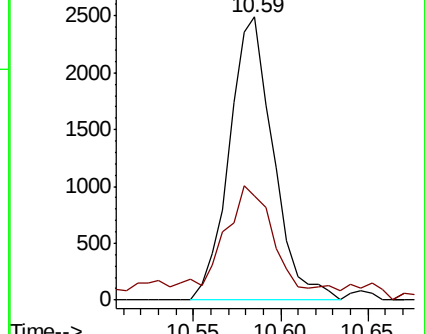
75 100

77 36.7 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#52

Chlorobenzene

Concen: 1.855 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW016663.D

Acq: 28 Sep 2020 12:38

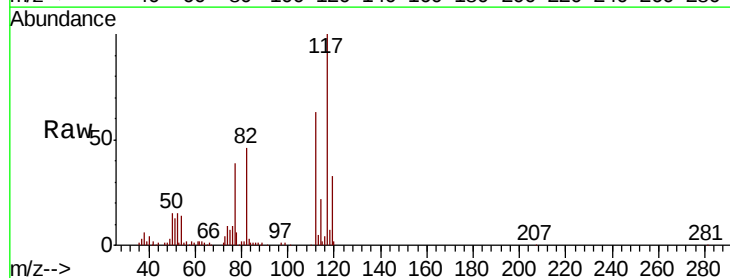
Tgt Ion: 112 Resp: 49196

Ion Ratio Lower Upper

112 100

77 60.7 43.1 64.7

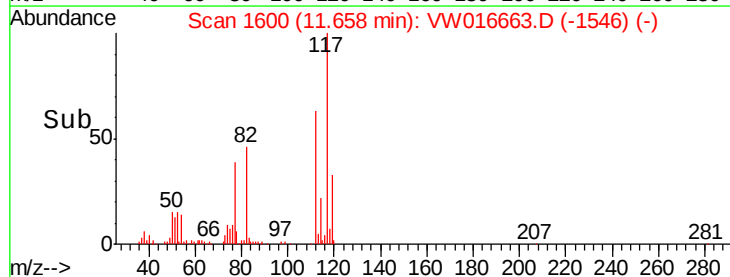
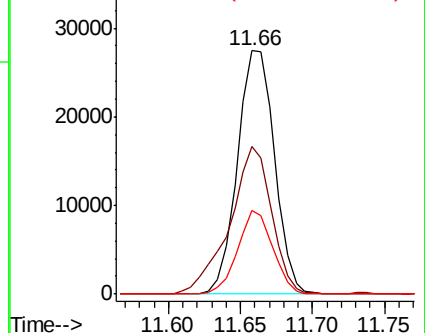
114 34.5 22.3 41.3

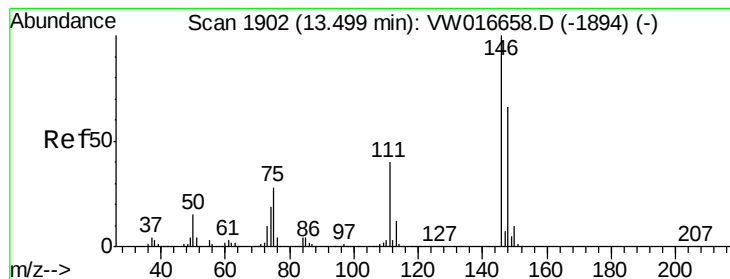


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V





#63

1,3-Dichlorobenzene

Concen: 0.506 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016663.D

Acq: 28 Sep 2020 12:38

Instrument :

MSVOA_W

ClientSampleId :

BG3X9

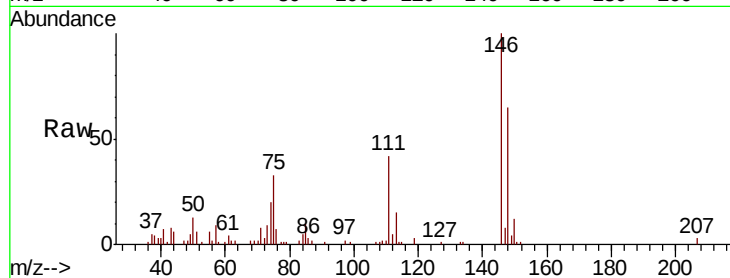
Tot Ion:146 Resp: 10466

Ion Ratio Lower Upper

146 100

111 41.9 25.0 46.4

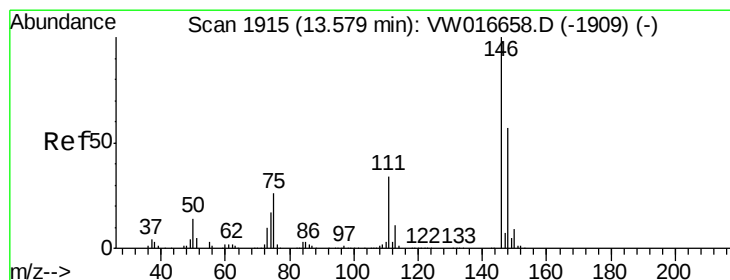
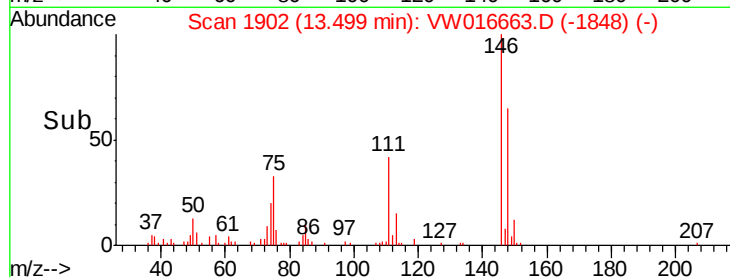
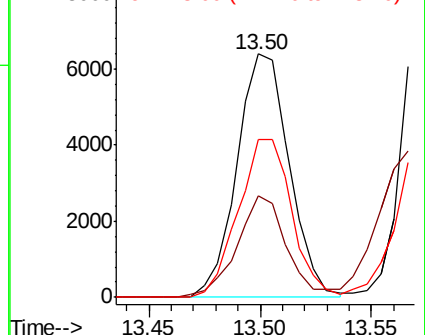
148 64.7 44.0 81.8



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



#64

1,4-Dichlorobenzene

Concen: 1.052 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW016663.D

Acq: 28 Sep 2020 12:38

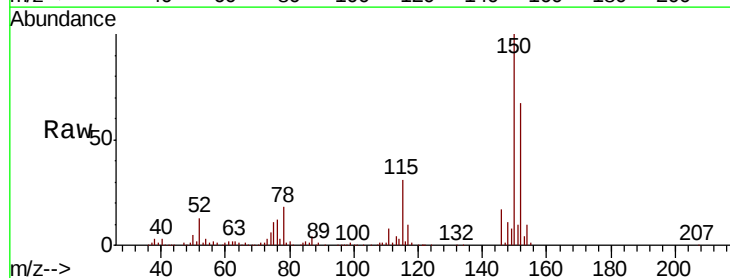
Tgt Ion:146 Resp: 21320

Ion Ratio Lower Upper

146 100

111 45.7 25.1 46.5

148 64.9 42.3 78.5



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

