

Data File : VW014270.D
Acq On : 09 Dec 2019 17:37
Operator : SY/VA
Sample : K6172-04RE
Misc : 5.38G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0BT0RE

Quant Time: Dec 10 07:37:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 10 07:34:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	41054	25.00	ug/L	0.01
28) Chlorobenzene-d5	11.63	117	24133	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	2316	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	19963	32.11	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	128.44%
7) Chloroethane-d5	2.89	69	20164	43.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	174.48%#
10) 1,1-Dichloroethene-d2	4.03	63	25698	23.40	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.60%
20) 2-Butanone-d5	7.09	46	10142	62.61	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.22%
24) Chloroform-d	7.65	84	35727	34.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	136.72%
26) 1,2-Dichloroethane-d4	8.31	65	19429	35.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	141.80%#
29) Benzene-d6	8.27	84	66761	47.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	188.80%#
33) 1,2-Dichloropropane-d6	9.27	67	22985	52.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	211.28%#
37) Toluene-d8	10.32	98	40848	31.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	127.76%
38) trans-1,3-Dichloropropene-	10.58	79	5550	30.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	121.60%
39) 2-Hexanone-d5	10.93	63	1320	15.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	30.52%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	12924	36.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	145.80%#
61) 1,2-Dichlorobenzene-d4	13.86	152	3441	38.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	155.52%#

Target Compounds

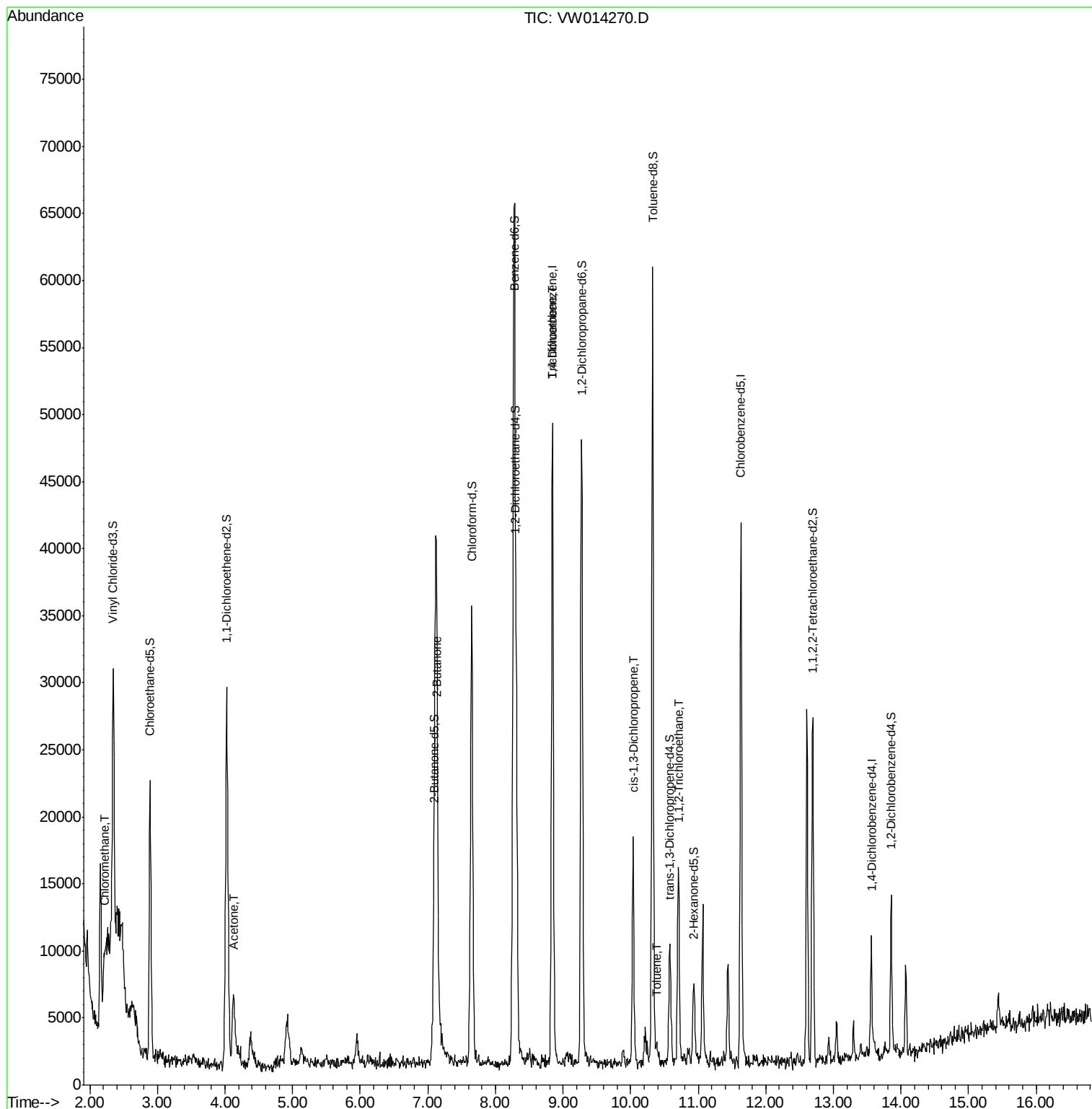
					Qvalue
3) Chloromethane	2.22	50	355	0.904 ug/L	91
13) Acetone	4.12	43	9145	58.549 ug/L	96
21) 2-Butanone	7.15	43	649	3.095 ug/L	91
35) Trichloroethene	8.84	95	1139	2.913 ug/L #	4
42) cis-1,3-Dichloropropene	10.04	75	456	0.776 ug/L #	82
44) Toluene	10.39	91	795	0.496 ug/L	92
46) 1,1,2-Trichloroethane	10.70	97	174	0.591 ug/L #	15

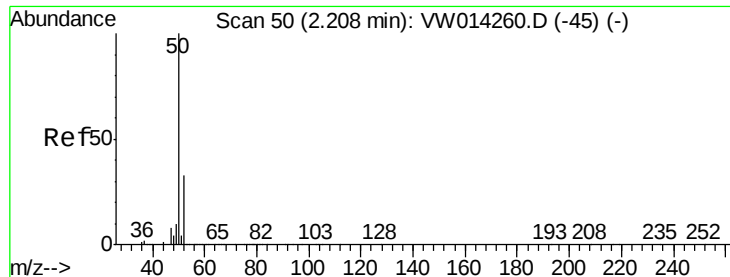
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.904 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

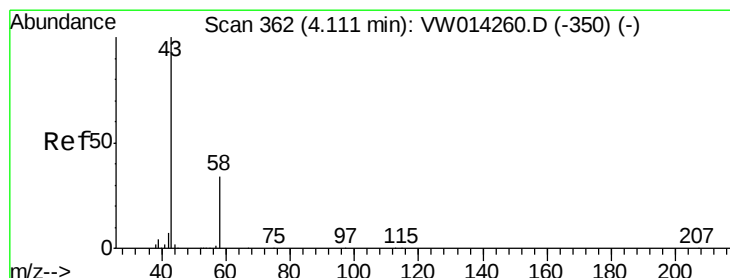
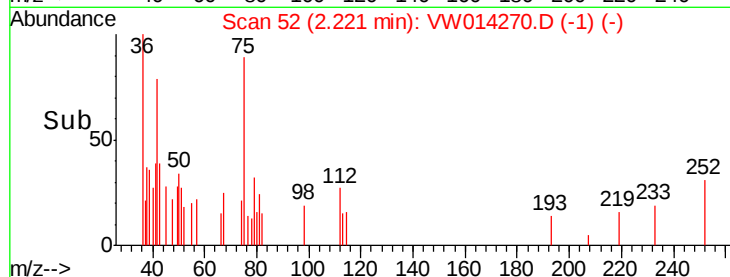
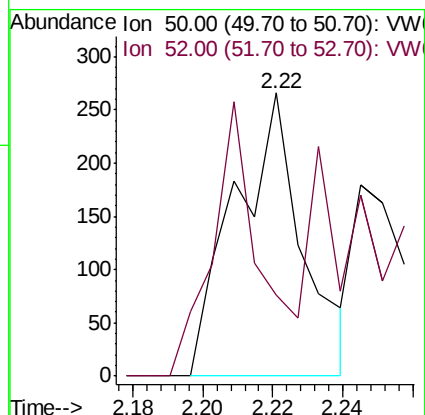
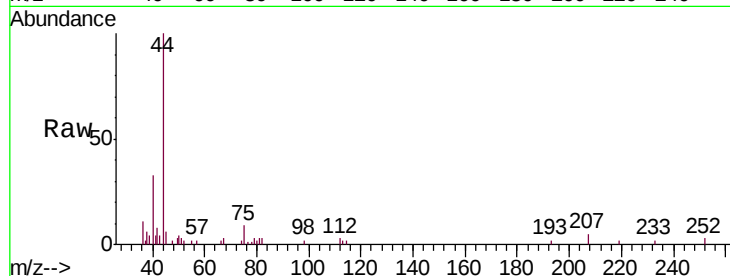
COBT0RE

Tgt Ion: 50 Resp: 355

Ion Ratio Lower Upper

50 100

52 28.6 23.8 44.2



#13

Acetone

Concen: 58.549 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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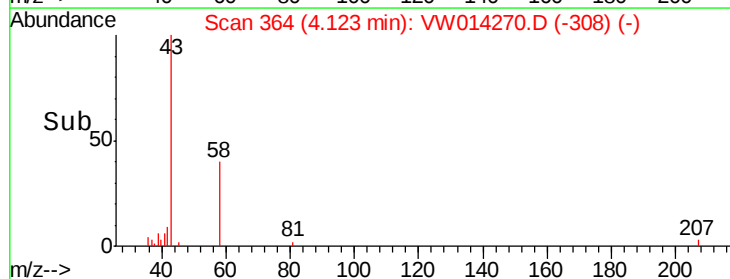
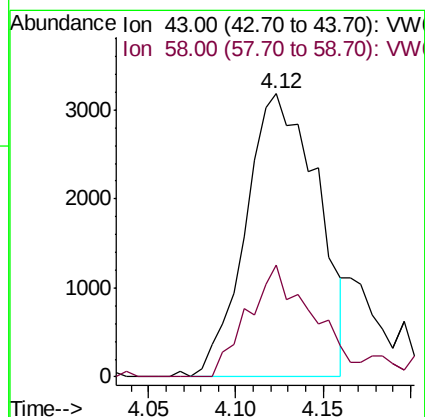
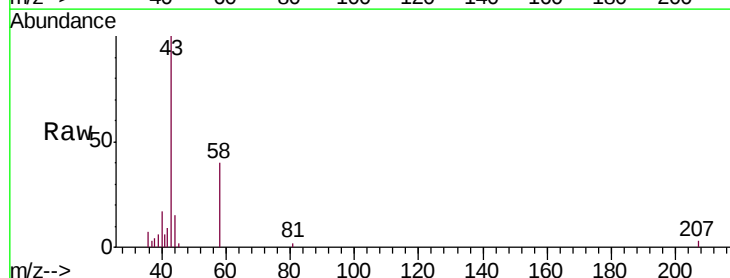
Acq: 09 Dec 2019 17:37

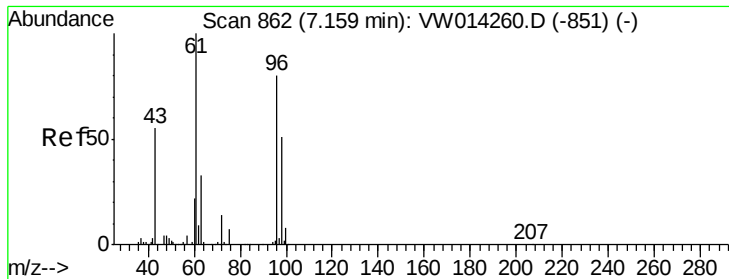
Tgt Ion: 43 Resp: 9145

Ion Ratio Lower Upper

43 100

58 34.7 0.0 65.4





#21

2-Butanone

Concen: 3.095 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

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ClientSampleId :

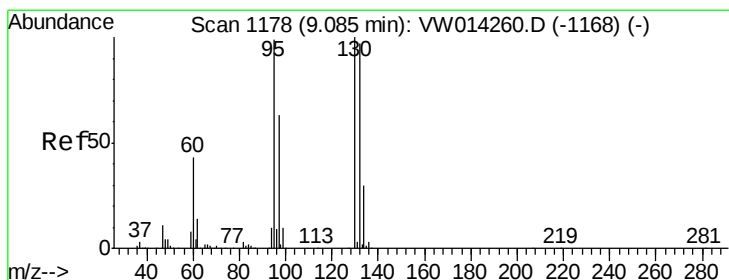
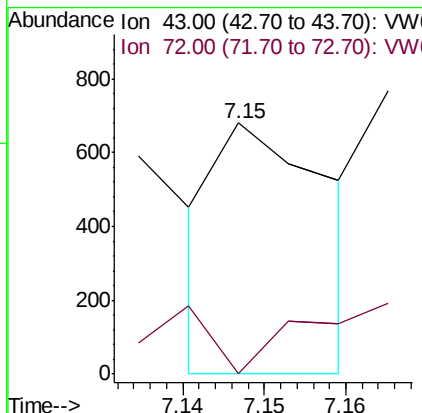
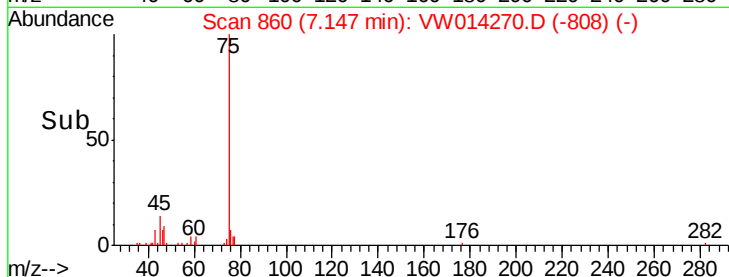
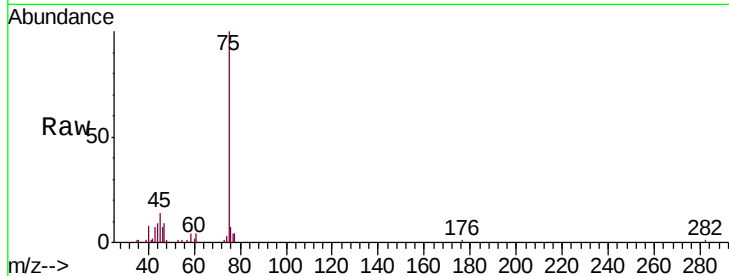
COBT0RE

Tgt Ion: 43 Resp: 649

Ion Ratio Lower Upper

43 100

72 23.6 14.1 42.2



#35

Trichloroethene

Concen: 2.913 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.24 min

Lab File: VW014270.D

Acq: 09 Dec 2019 17:37

Tgt Ion: 95 Resp: 1139

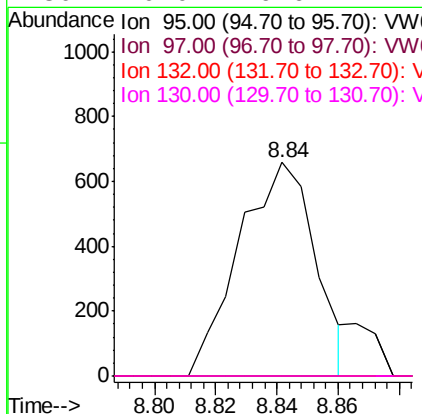
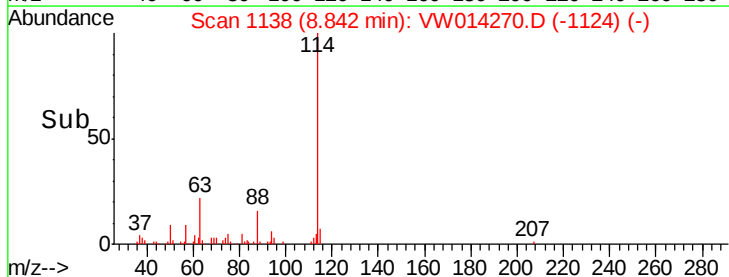
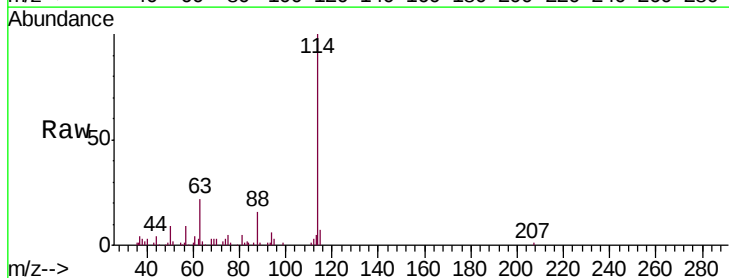
Ion Ratio Lower Upper

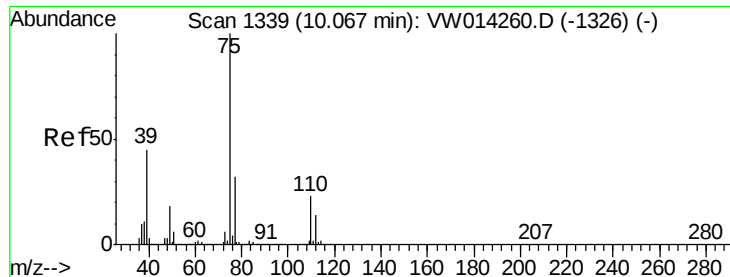
95 100

97 0.0 45.1 83.9#

132 5.1 73.7 136.9#

130 0.0 76.6 142.2#





#42

cis-1,3-Dichloropropene

Concen: 0.776 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.03 min

Lab File: VW014270.D

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Instrument :

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ClientSampleId :

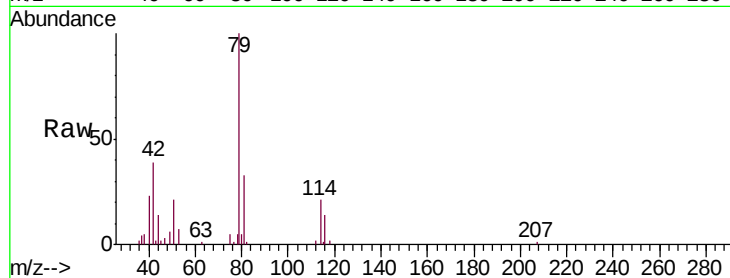
COBT0RE

Tgt Ion: 75 Resp: 456

Ion Ratio Lower Upper

75 100

77 21.8 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.04

300

200

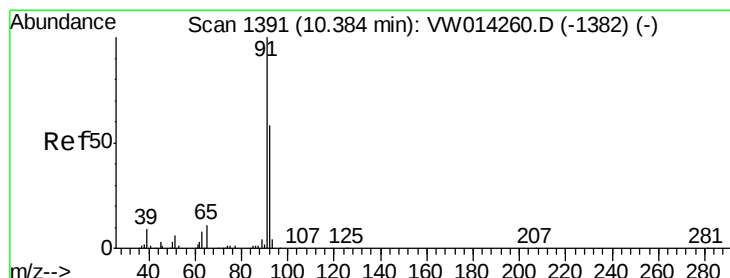
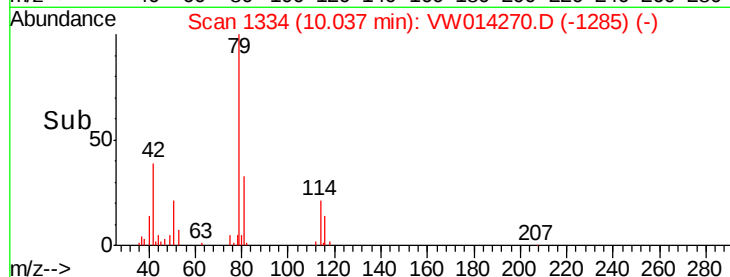
100

0

10.00

10.05

Time-->



#44

Toluene

Concen: 0.496 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW014270.D

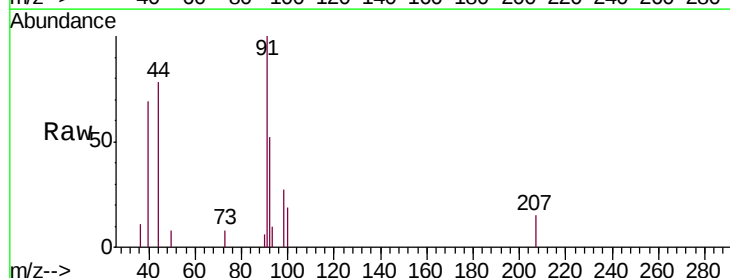
Acq: 09 Dec 2019 17:37

Tgt Ion: 91 Resp: 795

Ion Ratio Lower Upper

91 100

92 51.9 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

800

600

400

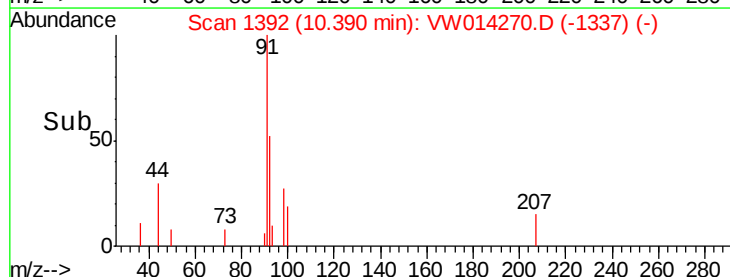
200

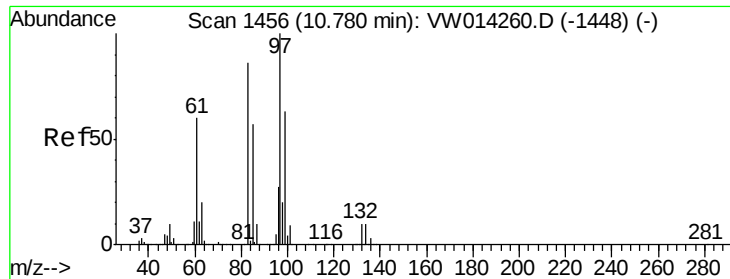
0

10.35

10.40

Time-->





#46

1,1,2-Trichloroethane

Concen: 0.591 ug/L

RT: 10.70 min Scan# 1443

Delta R.T. -0.08 min

Lab File: VW014270.D

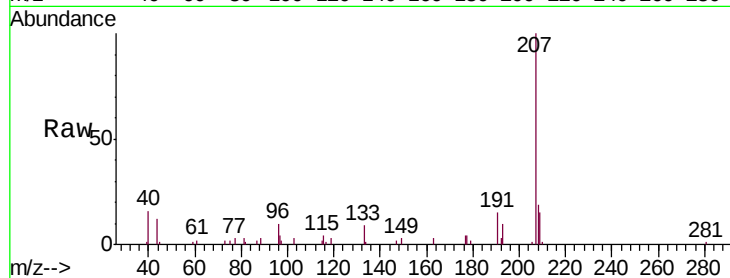
Acq: 09 Dec 2019 17:37

Instrument :

MSVOA_W

ClientSampleId :

COBT0RE



Tgt Ion: 97 Resp: 174

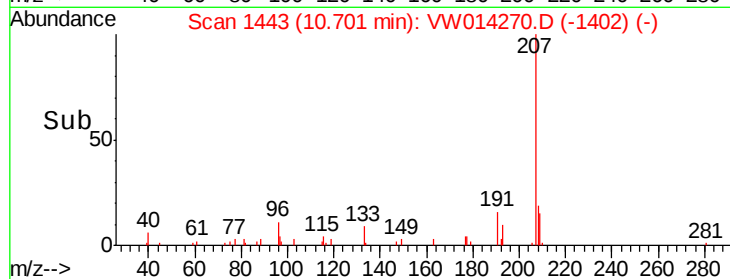
Ion Ratio Lower Upper

97 100

83 0.0 58.9 109.5#

85 0.0 38.1 70.9#

99 0.0 46.5 86.3#



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

