

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072420\
 Data File : VW015944.D
 Acq On : 24 Jul 2020 12:51
 Operator : SY/VA
 Sample : L3419-09
 Misc : 4.05G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 05:16:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 25 05:14:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	404840	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	344910	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	134751	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	122438	21.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.72%
7) Chloroethane-d5	2.89	69	94811	20.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.76%
10) 1,1-Dichloroethene-d2	4.01	63	181077	15.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.72%
20) 2-Butanone-d5	7.09	46	63934	42.61	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.22%
24) Chloroform-d	7.65	84	222252	19.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.20%
26) 1,2-Dichloroethane-d4	8.31	65	127488	20.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.72%
29) Benzene-d6	8.27	84	458416	21.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.36%
33) 1,2-Dichloropropane-d6	9.27	67	139522	22.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.68%
37) Toluene-d8	10.33	98	400538	21.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.24%
38) trans-1,3-Dichloropropene-	10.58	79	53523	19.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.80%
39) 2-Hexanone-d5	10.93	63	50817	48.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110707	22.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	109955	20.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.72%

Target Compounds

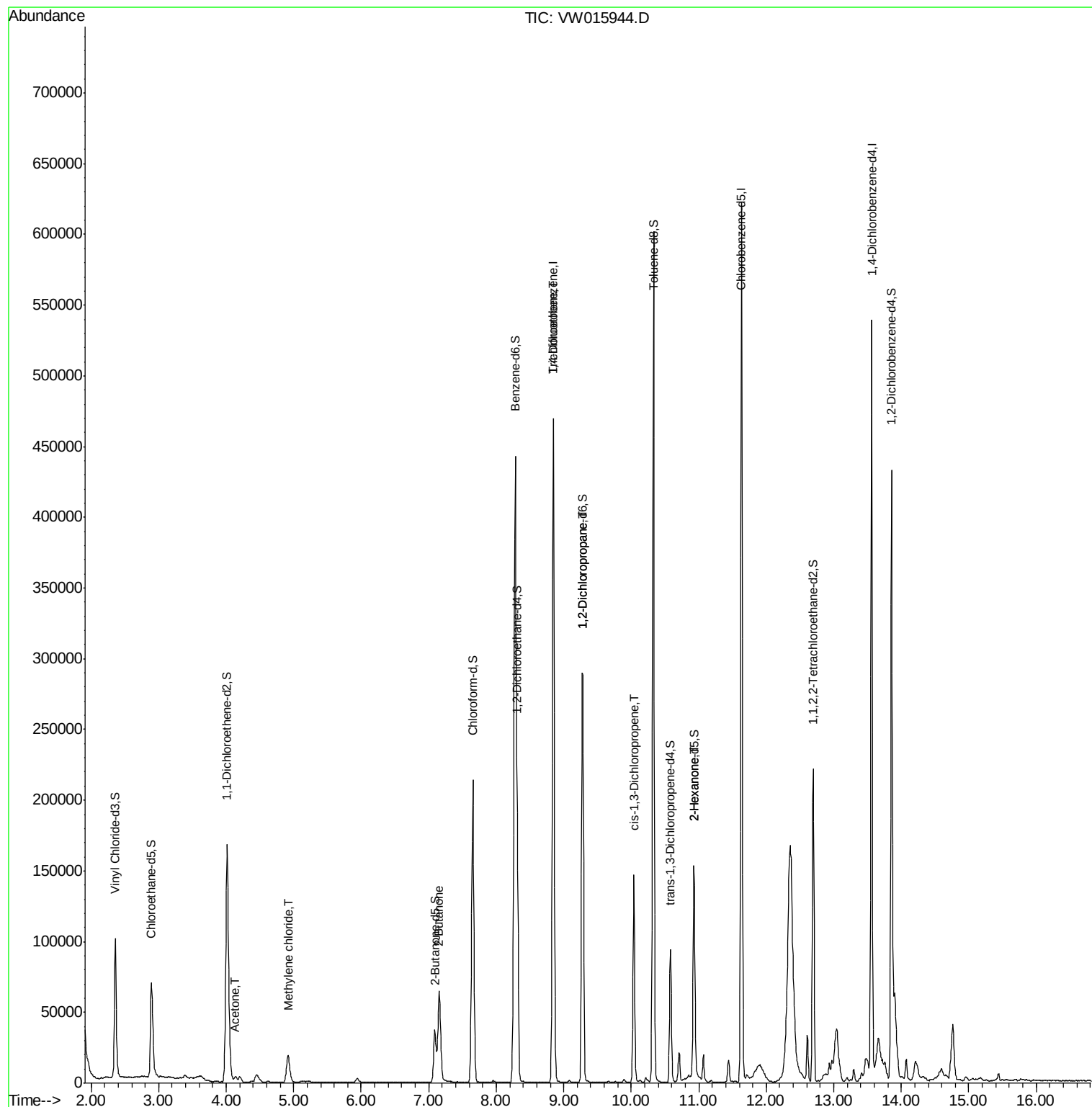
					Ovalue
13) Acetone	4.14	43	6526	5.179 ug/L	96
16) Methylene chloride	4.92	84	16160	2.436 ug/L	95
21) 2-Butanone	7.16	43	6785	4.354 ug/L #	49
35) Trichloroethene	8.85	95	12115	2.186 ug/L #	6
40) 1,2-Dichloropropane	9.28	63	15367	2.961 ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	3418	0.432 ug/L #	54
49) 2-Hexanone	10.93	43	8227	3.827 ug/L #	66

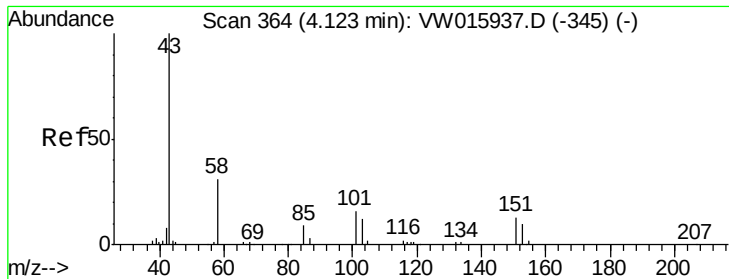
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jul 25 05:14:30 2020
Response via : Initial Calibration





#13

Acetone

Concen: 5.179 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015944.D

Acq: 24 Jul 2020 12:51

Instrument :

MSVOA_W

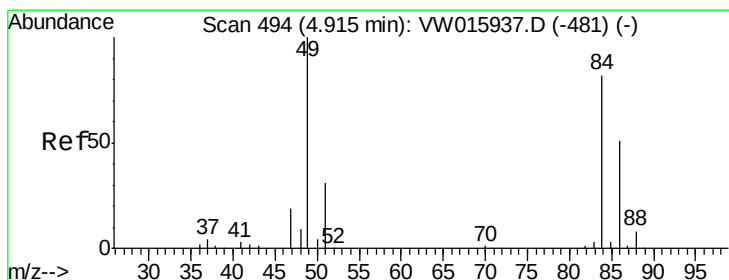
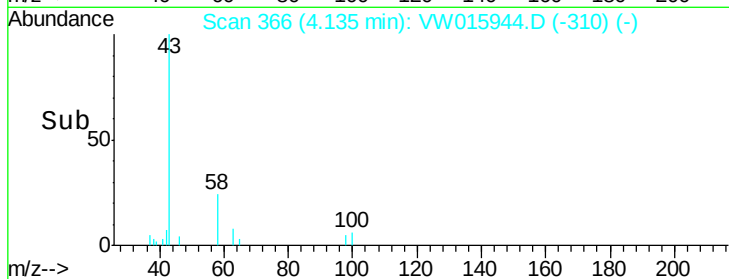
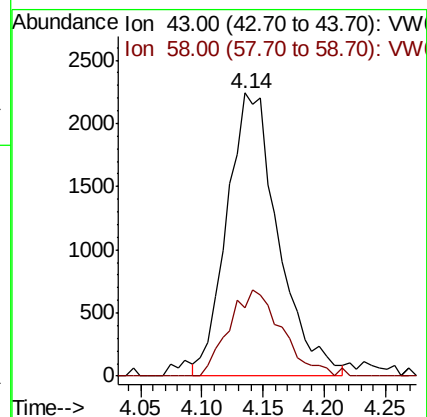
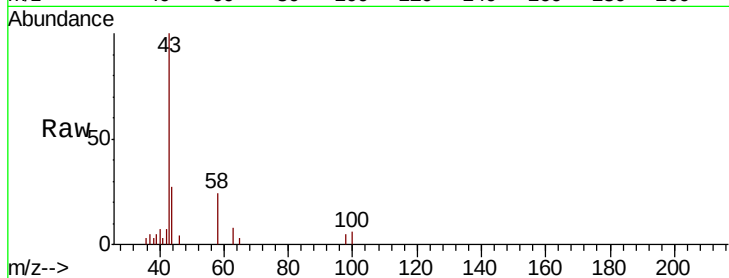
ClientSampled :

Tot Ion: 43 Resp: 6526

Ion Ratio Lower Upper

43 100

58 31.3 0.0 58.2



#16

Methylene chloride

Concen: 2.436 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015944.D

Acq: 24 Jul 2020 12:51

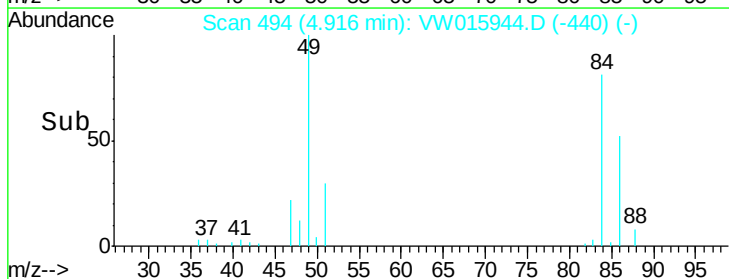
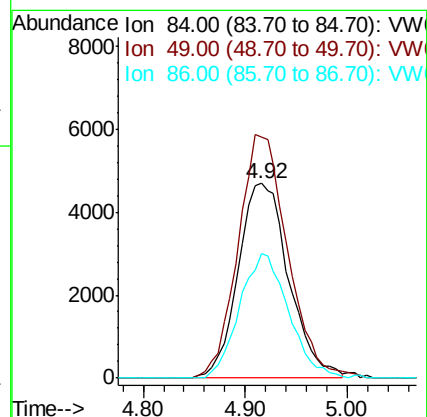
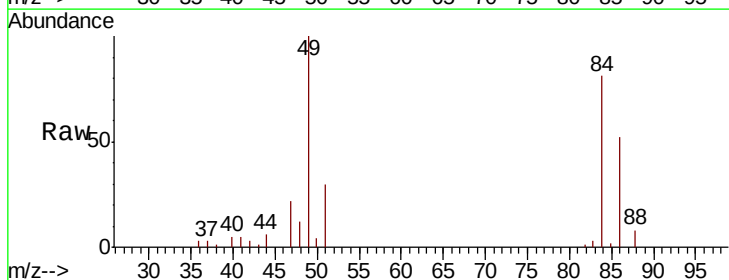
Tgt Ion: 84 Resp: 16160

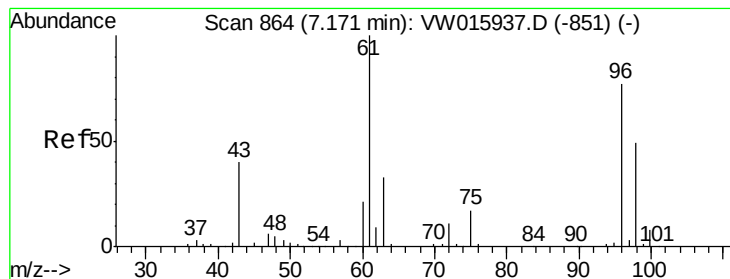
Ion Ratio Lower Upper

84 100

49 123.6 91.1 169.1

86 63.8 46.0 85.4





#21

2-Butanone

Concen: 4.354 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW015944.D

Acq: 24 Jul 2020 12:51

Instrument :

MSVOA_W

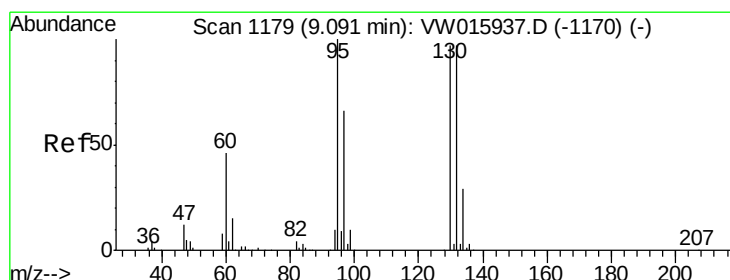
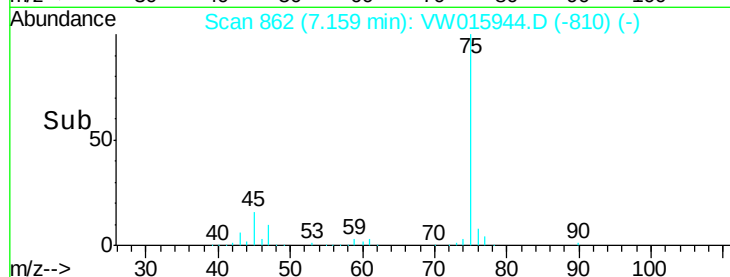
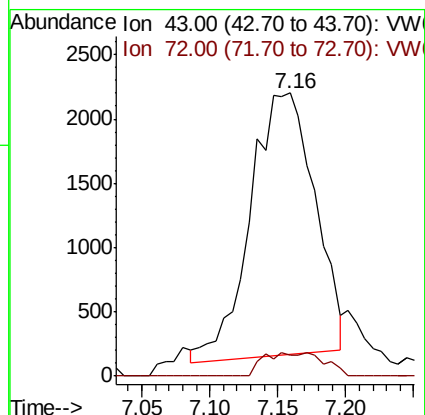
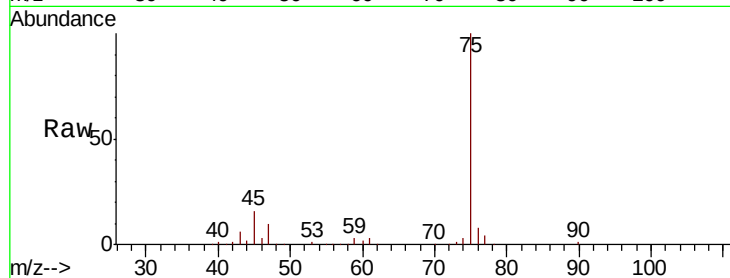
ClientSampled :

Tot Ion: 43 Resp: 6785

Ion Ratio Lower Upper

43 100

72 1.0 13.9 41.7#



#35

Trichloroethene

Concen: 2.186 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW015944.D

Acq: 24 Jul 2020 12:51

Tgt Ion: 95 Resp: 12115

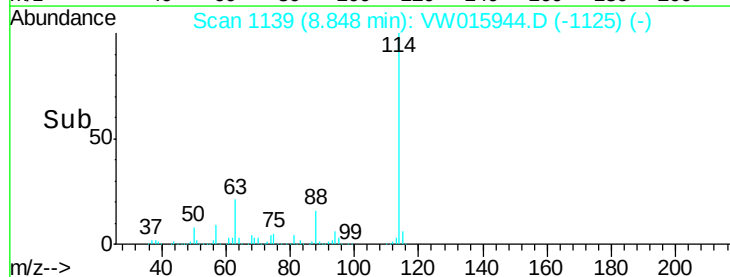
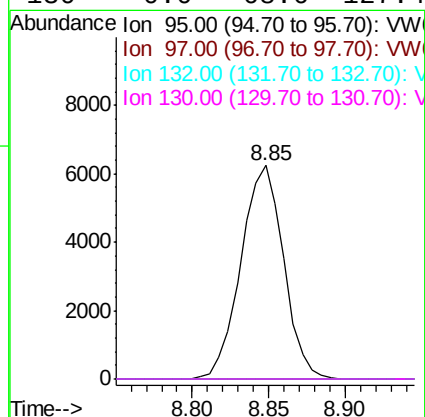
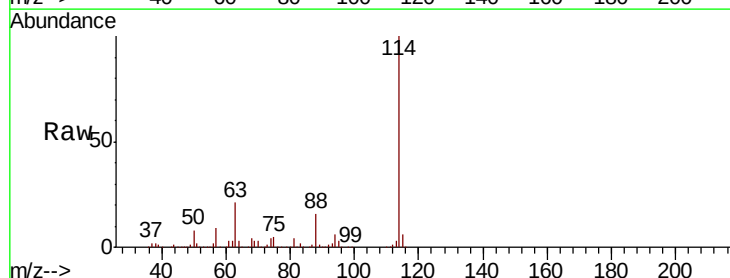
Ion Ratio Lower Upper

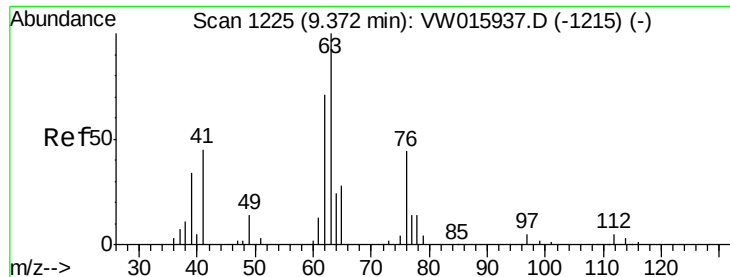
95 100

97 0.0 44.4 82.4#

132 0.0 65.1 120.9#

130 0.0 68.6 127.4#





#40

1,2-Dichloropropane

Concen: 2.961 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW015944.D

Acq: 24 Jul 2020 12:51

Instrument :

MSVOA_W

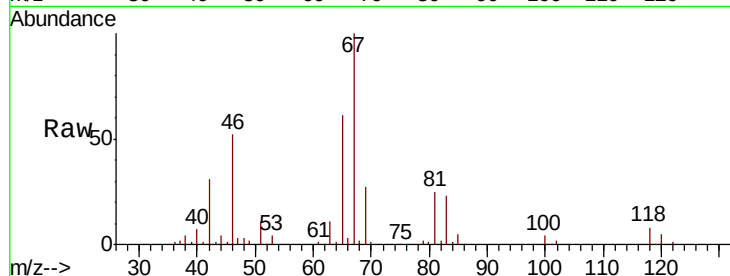
ClientSampled :

Tot Ion: 63 Resp: 15367

Ion Ratio Lower Upper

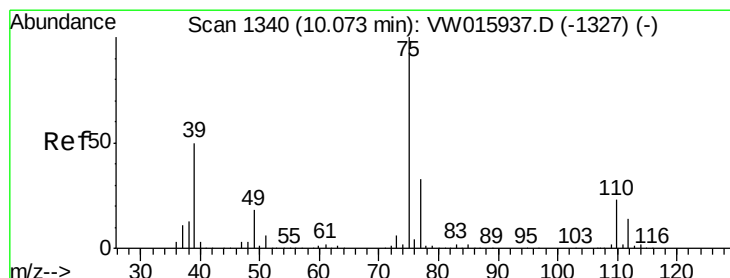
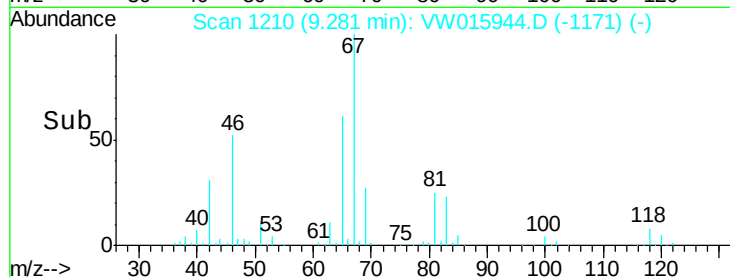
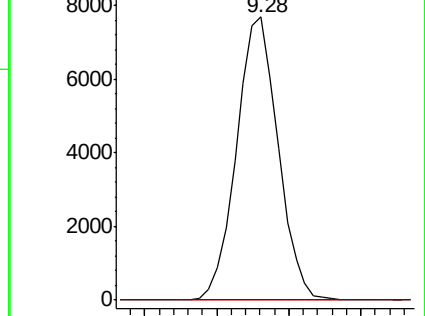
63 100

112 0.0 3.7 5.5#



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: 0.432 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015944.D

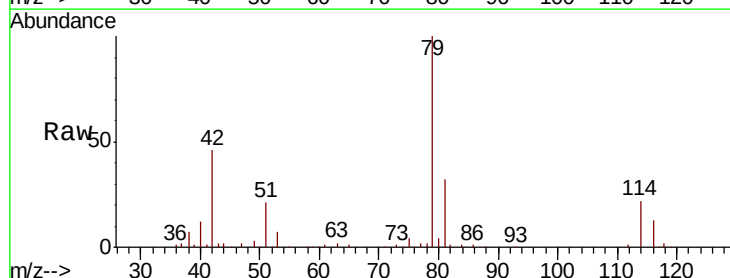
Acq: 24 Jul 2020 12:51

Tgt Ion: 75 Resp: 3418

Ion Ratio Lower Upper

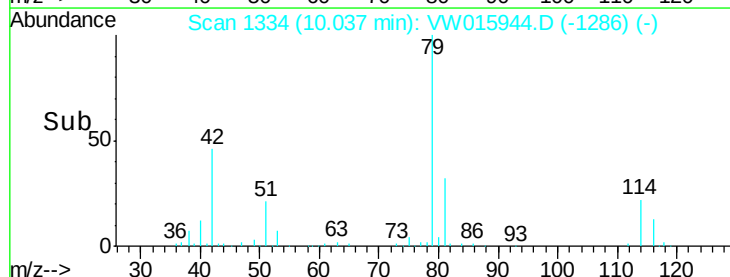
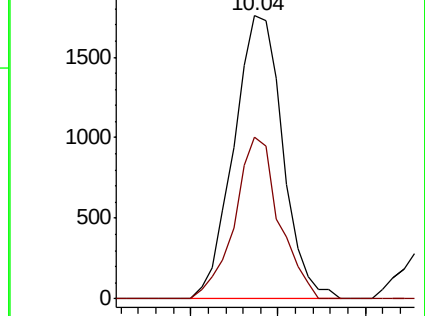
75 100

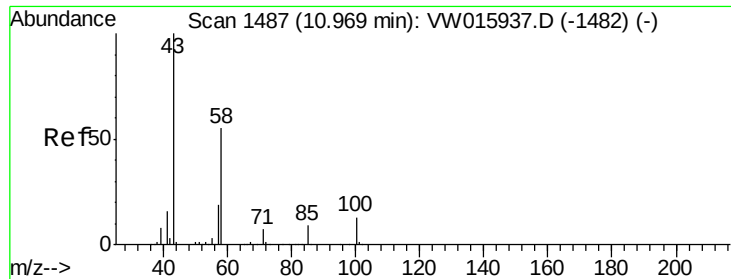
77 57.3 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#49

2-Hexanone

Concen: 3.827 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

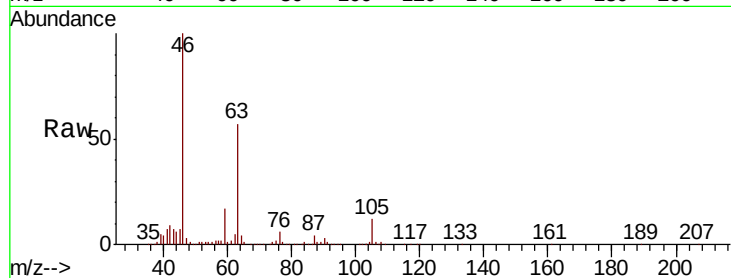
Lab File: VW015944.D

Acq: 24 Jul 2020 12:51

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion: 43 Resp: 8227

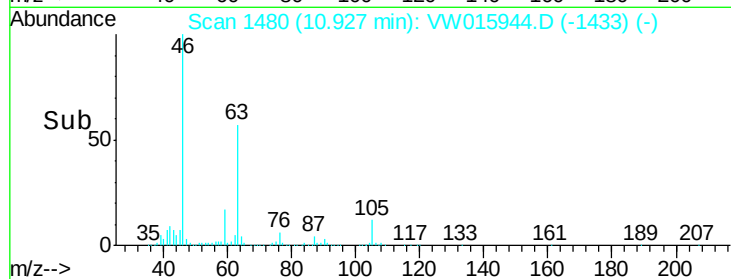
Ion Ratio Lower Upper

43 100

58 20.9 42.4 63.6#

57 22.0 15.6 23.4

100 0.0 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

