

Data File : VW014095.D
Acq On : 22 Nov 2019 15:13
Operator : SY/VA
Sample : K5989-05
Misc : 4.35G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0BJ6

Quant Time: Nov 22 23:04:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 22 23:01:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	190938	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	94109	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	12288	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	70226	23.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.20%
7) Chloroethane-d5	2.89	69	70453	28.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.12%
10) 1,1-Dichloroethene-d2	4.01	63	107678	17.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.88%
20) 2-Butanone-d5	7.07	46	55244	62.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.84%
24) Chloroform-d	7.65	84	178237	30.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	121.44%
26) 1,2-Dichloroethane-d4	8.31	65	81383	27.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.28%
29) Benzene-d6	8.27	84	345190	51.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	206.80%#
33) 1,2-Dichloropropane-d6	9.27	67	110057	56.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	225.08%#
37) Toluene-d8	10.32	98	216876	34.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	137.00%#
38) trans-1,3-Dichloropropene-	10.58	79	17173	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.00%
39) 2-Hexanone-d5	10.92	63	27839	75.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	150.10%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	60725	41.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	164.44%#
61) 1,2-Dichlorobenzene-d4	13.85	152	19829	40.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	160.64%#

Target Compounds

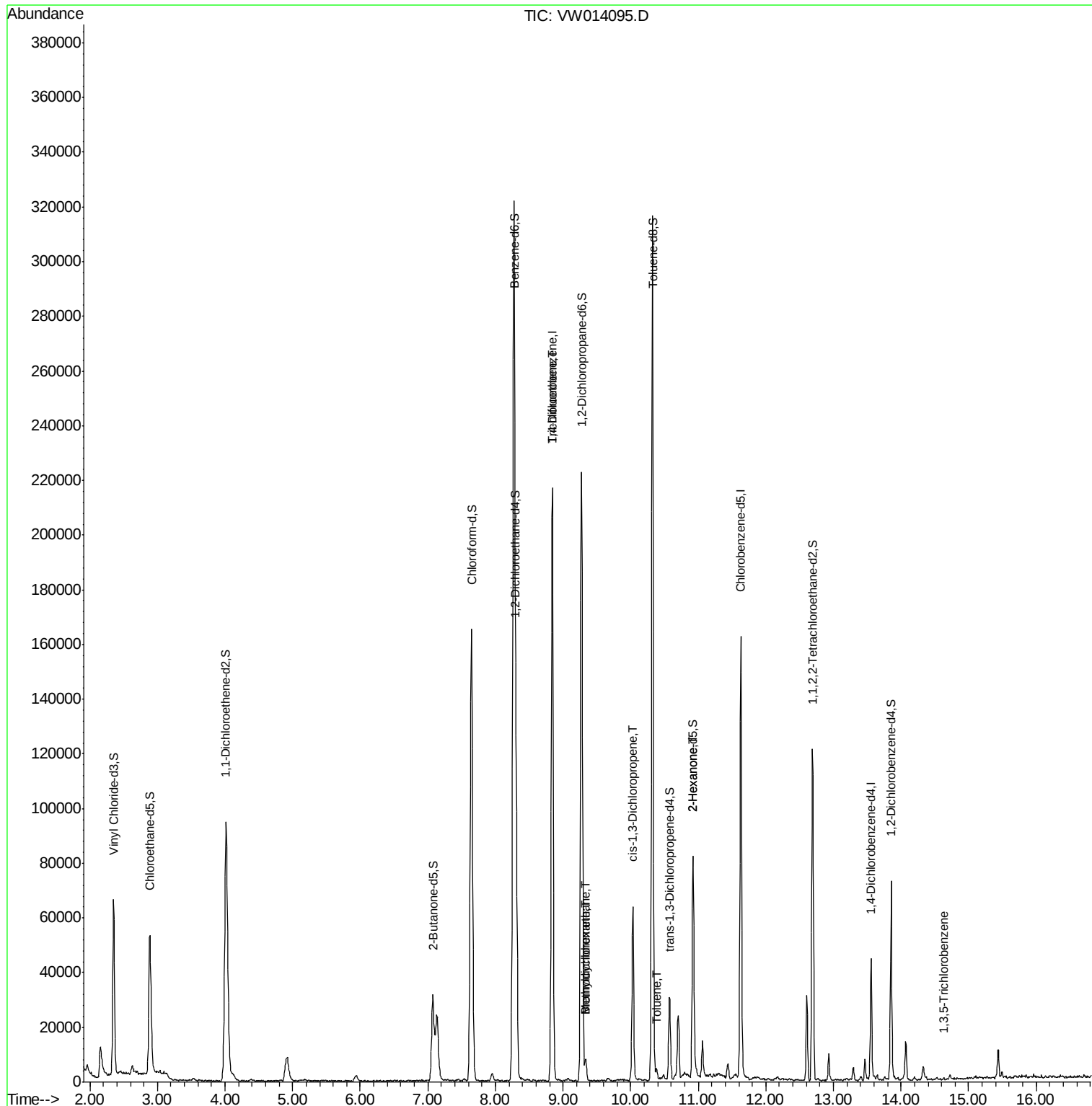
					Qvalue	
35) Trichloroethene	8.84	95	5448	2.959	ug/L #	2
36) Methylcyclohexane	9.34	83	2574	0.780	ug/L	87
41) Bromodichloromethane	9.34	83	1917	0.954	ug/L #	25
42) cis-1,3-Dichloropropene	10.04	75	1600	0.610	ug/L #	79
44) Toluene	10.38	91	2933	0.390	ug/L	89
49) 2-Hexanone	10.93	43	4050	5.120	ug/L #	67
67) 1,3,5-Trichlorobenzene	14.63	180	309	0.470	ug/L #	43

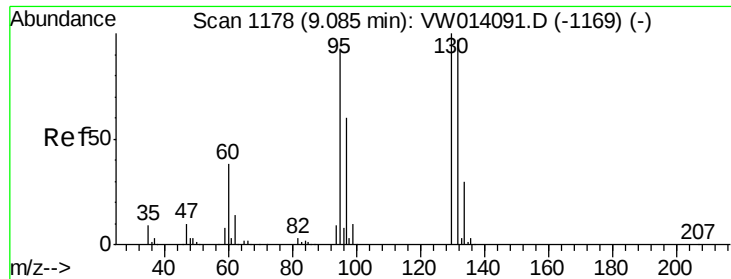
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#35

Trichloroethene

Concen: 2.959 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.24 min

Lab File: VW014095.D

Acq: 22 Nov 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

C0BJ6

Tgt Ion: 95 Resp: 5448

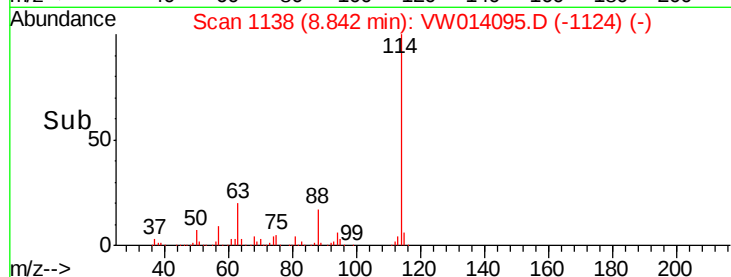
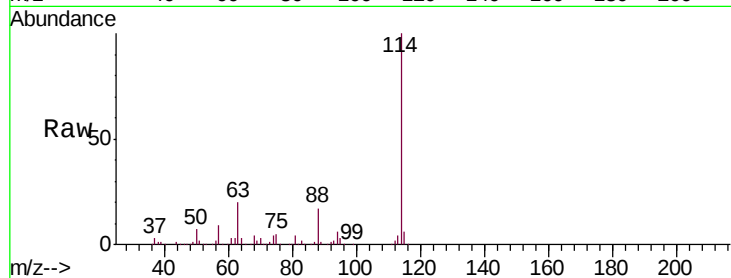
Ion Ratio Lower Upper

95 100

97 0.0 45.1 83.9#

132 0.0 73.7 136.9#

130 0.0 76.6 142.2#

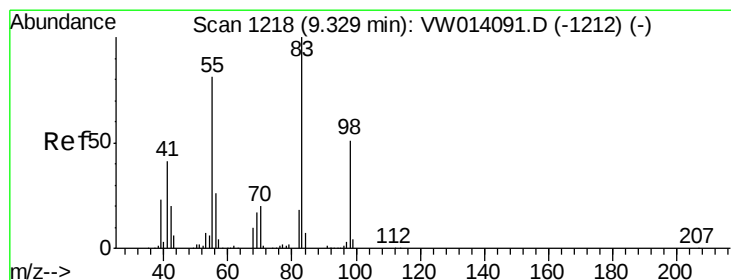
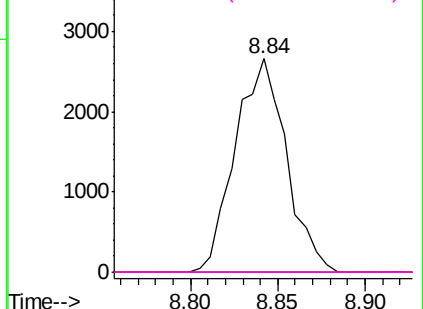


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 0.780 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

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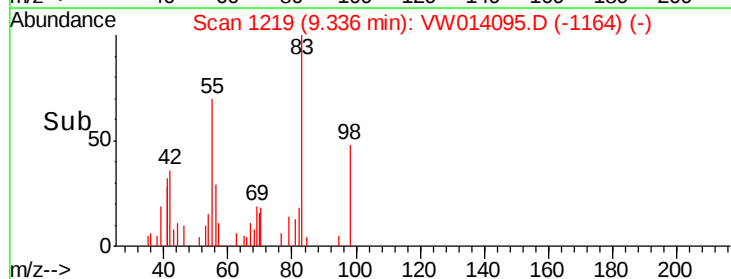
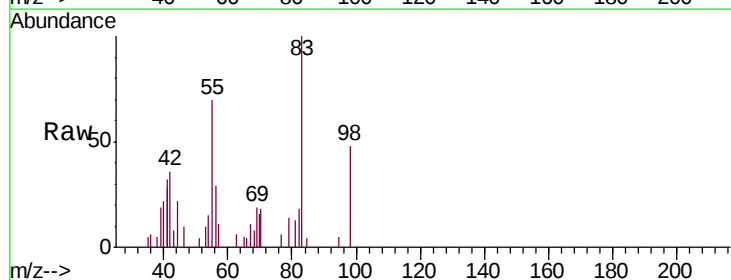
Tgt Ion: 83 Resp: 2574

Ion Ratio Lower Upper

83 100

55 88.9 59.8 89.8

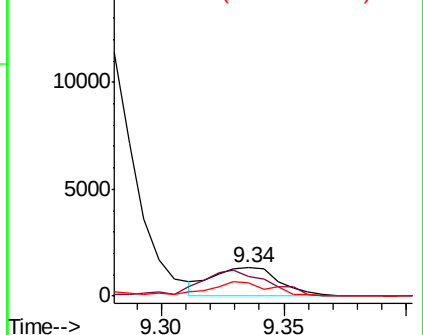
98 44.3 39.5 59.3

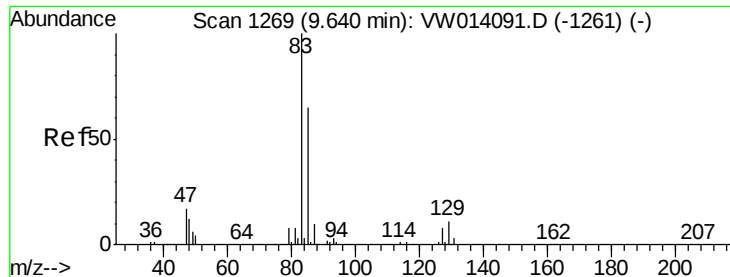


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#41

Bromodichloromethane

Concen: 0.954 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.30 min

Lab File: VW014095.D

Acq: 22 Nov 2019 15:13

Instrument :

MSVOA_W

ClientSampled :

C0BJ6

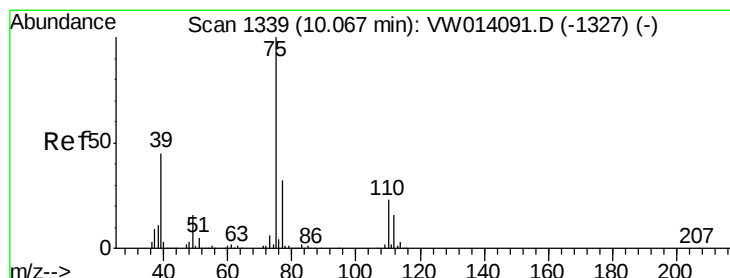
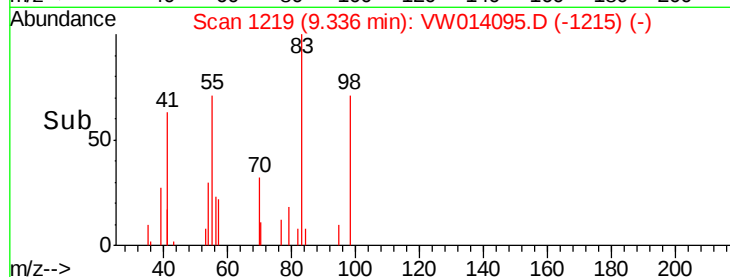
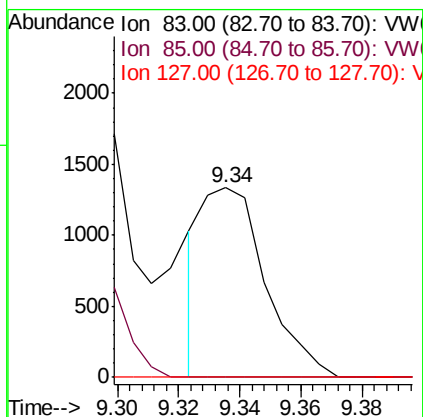
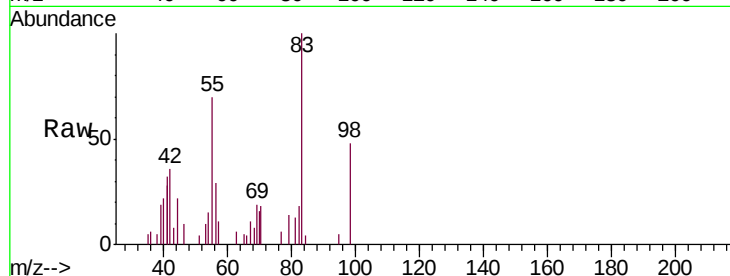
Tgt Ion: 83 Resp: 1917

Ion Ratio Lower Upper

83 100

85 0.0 45.1 83.7#

127 0.0 7.4 11.0#



#42

cis-1,3-Dichloropropene

Concen: 0.610 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.03 min

Lab File: VW014095.D

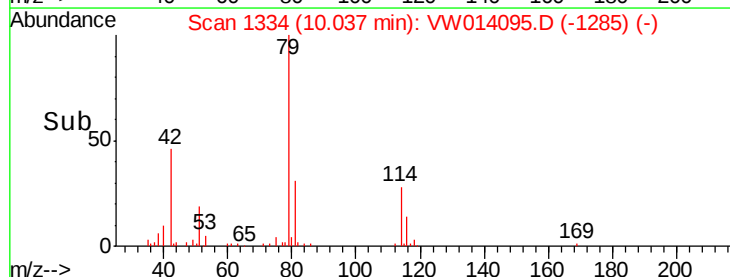
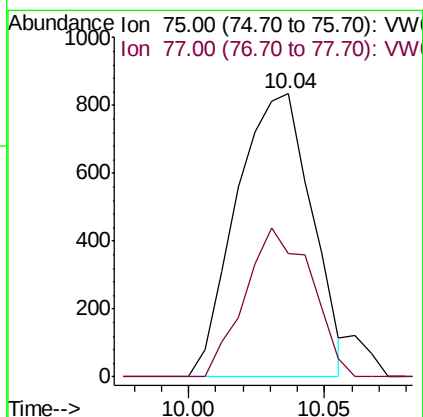
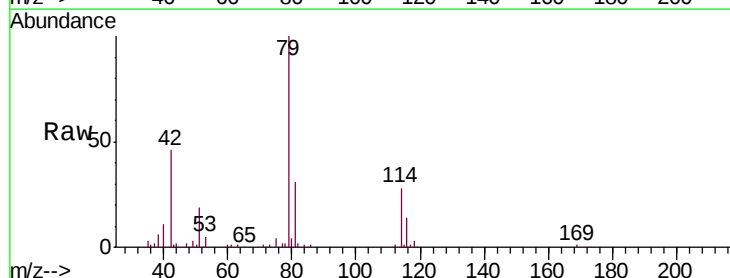
Acq: 22 Nov 2019 15:13

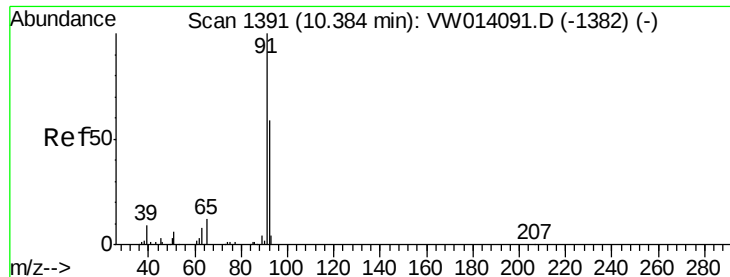
Tgt Ion: 75 Resp: 1600

Ion Ratio Lower Upper

75 100

77 43.4 22.1 41.1#





#44

Toluene

Concen: 0.390 ug/L

RT: 10.38 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VW014095.D

Acq: 22 Nov 2019 15:13

Instrument :

MSVOA_W

ClientSampleId :

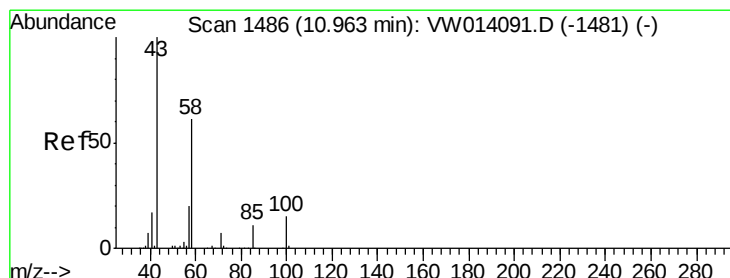
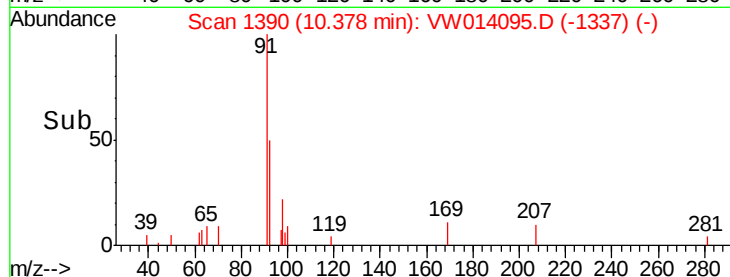
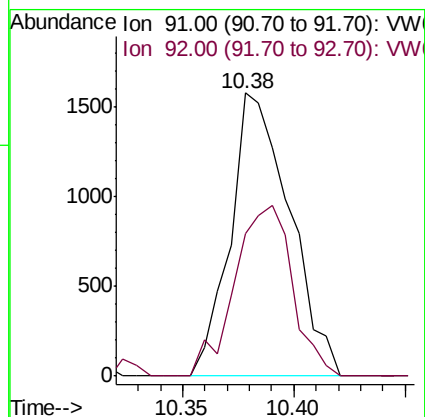
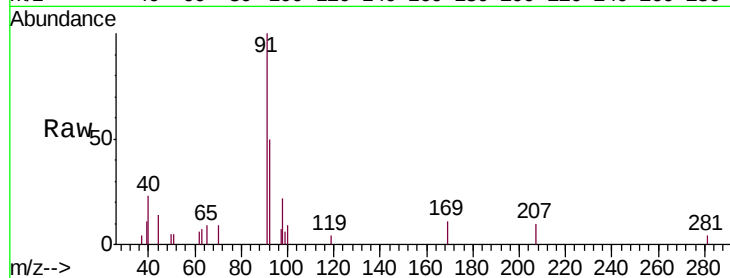
C0BJ6

Tgt Ion: 91 Resp: 2933

Ion Ratio Lower Upper

91 100

92 50.2 40.7 75.7



#49

2-Hexanone

Concen: 5.120 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW014095.D

Acq: 22 Nov 2019 15:13

Tgt Ion: 43 Resp: 4050

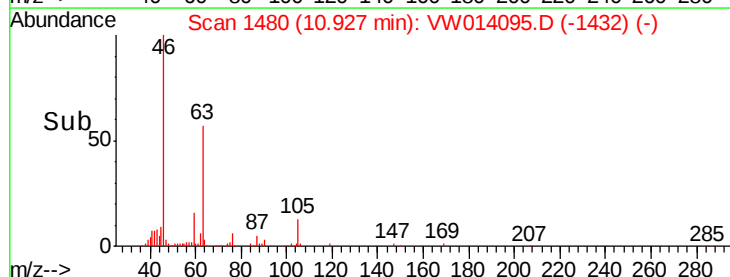
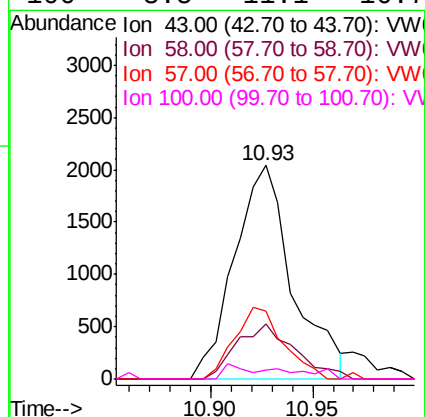
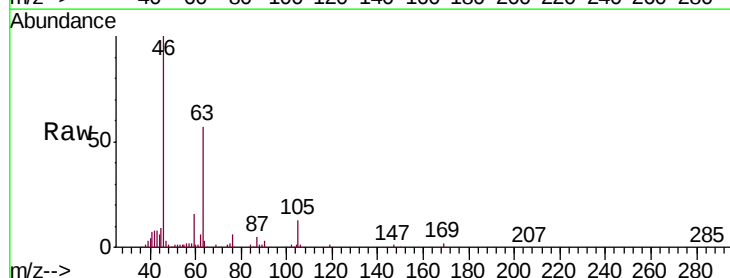
Ion Ratio Lower Upper

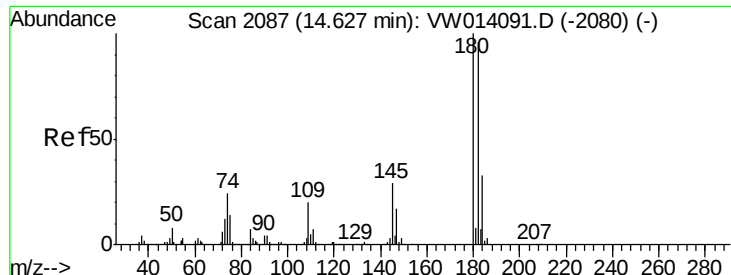
43 100

58 25.8 44.4 66.6#

57 28.2 16.5 24.7#

100 3.5 11.1 16.7#





#67
 1,3,5-Trichlorobenzene
 Concen: 0.470 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW014095.D
 Acq: 22 Nov 2019 15:13

Instrument :
 MSVOA_W
 ClientSampleId :
 C0BJ6

Tgt Ion:	180	Resp:	309
Ion	Ratio	Lower	Upper
180	100		
182	37.5	76.2	114.2#
184	0.0	24.3	36.5#
145	0.0	21.9	32.9#

