

Data File : VW014096.D
Acq On : 22 Nov 2019 15:40
Operator : SY/VA
Sample : K5989-06
Misc : 5.07G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0BJ7

Quant Time: Nov 22 23:04:28 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	138918	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	60269	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	7379	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	44322	20.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.00%
7) Chloroethane-d5	2.89	69	45634	25.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.60%
10) 1,1-Dichloroethene-d2	4.01	63	65234	14.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.36%
20) 2-Butanone-d5	7.07	46	33777	52.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.92%
24) Chloroform-d	7.64	84	114425	26.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.16%
26) 1,2-Dichloroethane-d4	8.31	65	52937	24.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.60%
29) Benzene-d6	8.27	84	219952	51.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	205.76%#
33) 1,2-Dichloropropane-d6	9.27	67	72030	57.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	230.00%#
37) Toluene-d8	10.32	98	119577	29.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.96%
38) trans-1,3-Dichloropropene-	10.57	79	9513	17.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.92%
39) 2-Hexanone-d5	10.92	63	15973	67.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	38124	40.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	161.20%#
61) 1,2-Dichlorobenzene-d4	13.85	152	7993	26.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.84%

Target Compounds

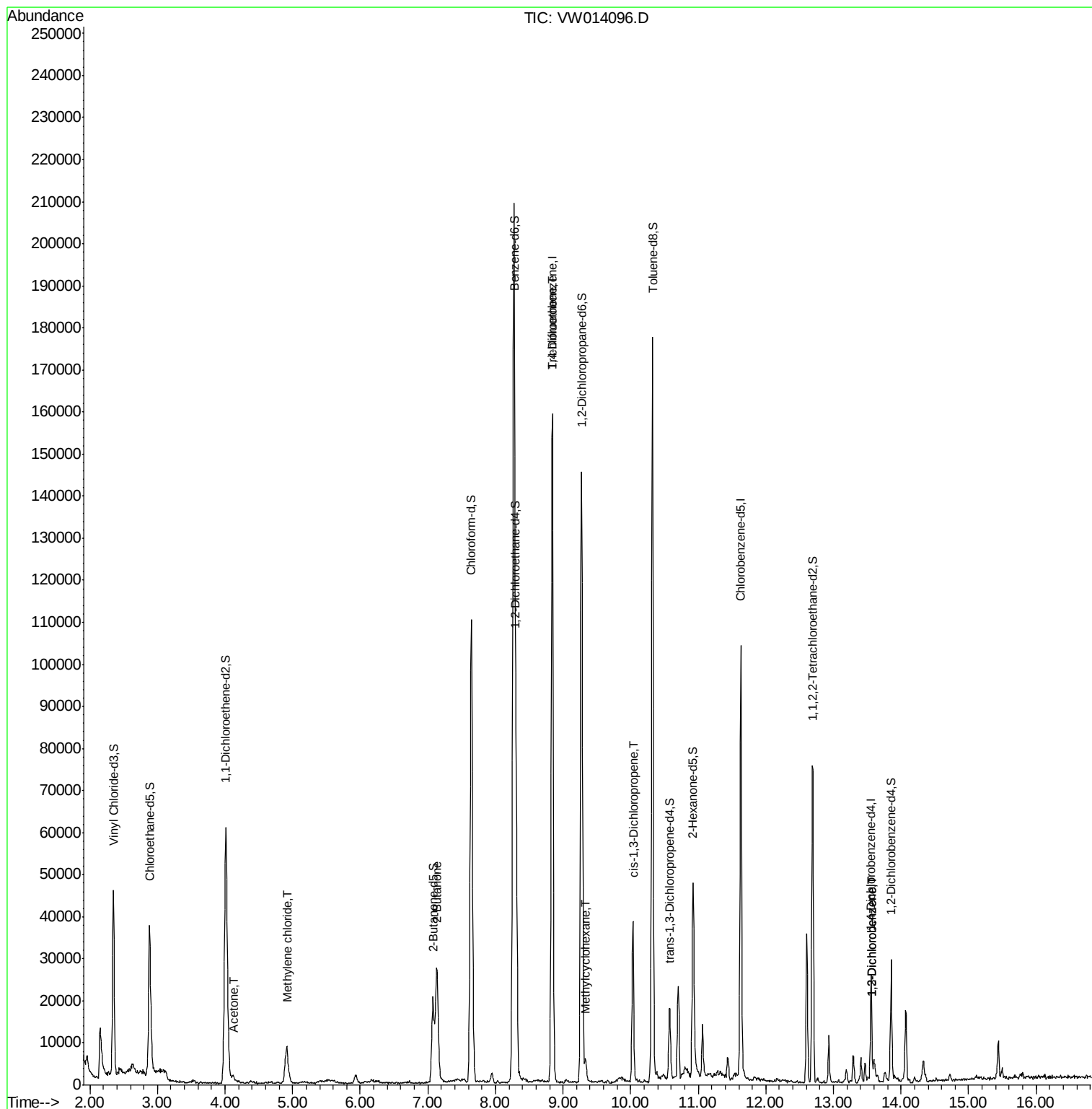
					Qvalue
13) Acetone	4.14	43	2517	3.841 ug/L	88
16) Methylene chloride	4.92	84	6258	2.340 ug/L	76
21) 2-Butanone	7.13	43	2643	3.140 ug/L #	50
35) Trichloroethene	8.84	95	4008	3.399 ug/L #	2
36) Methylcyclohexane	9.32	83	1573	0.744 ug/L #	85
42) cis-1,3-Dichloropropene	10.03	75	920	0.548 ug/L #	15
63) 1,3-Dichlorobenzene	13.58	146	167	0.322 ug/L #	46
65) 1,2-Dichlorobenzene	13.58	146	167	0.364 ug/L #	48

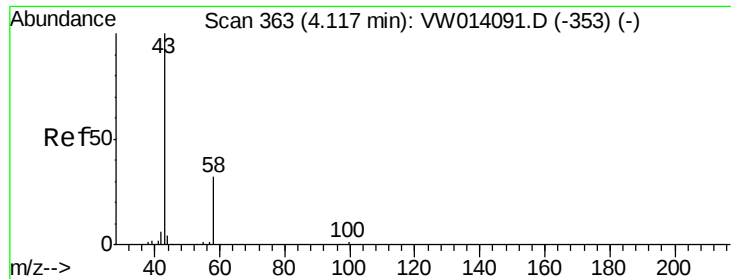
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.841 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

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Acq: 22 Nov 2019 15:40

Instrument :

MSVOA_W

ClientSampled :

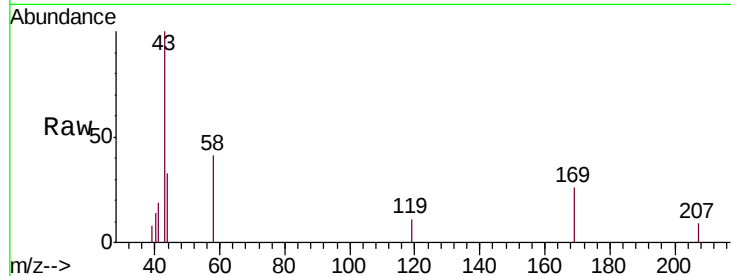
C0BJ7

Tgt Ion: 43 Resp: 2517

Ion Ratio Lower Upper

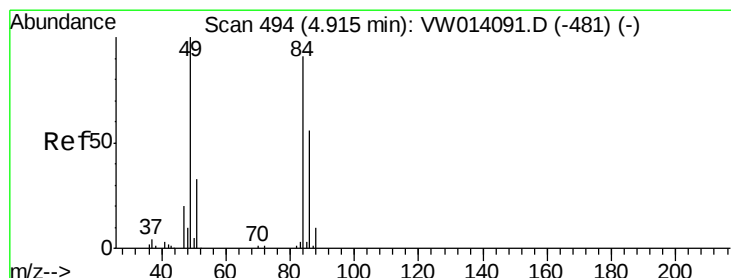
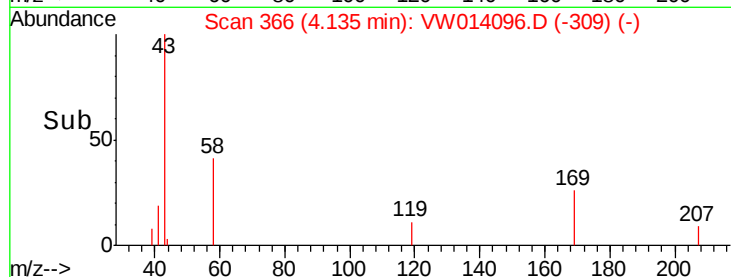
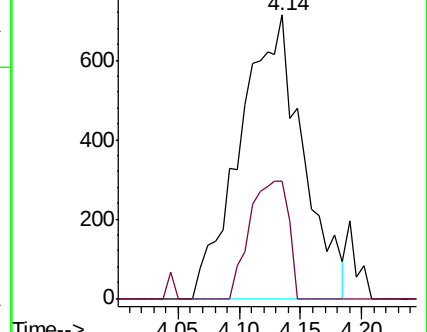
43 100

58 25.7 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.340 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

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Acq: 22 Nov 2019 15:40

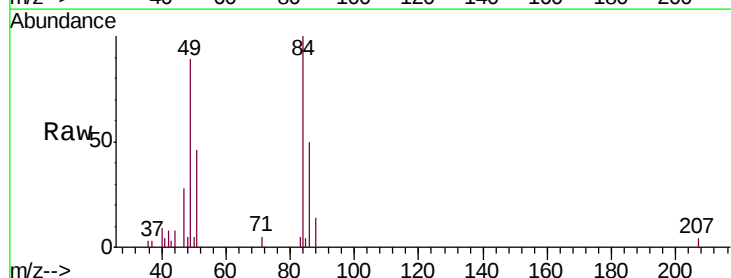
Tgt Ion: 84 Resp: 6258

Ion Ratio Lower Upper

84 100

49 89.0 84.2 156.4

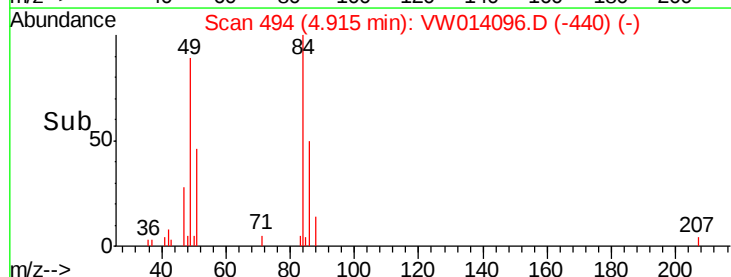
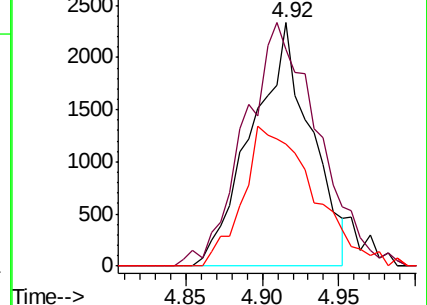
86 50.3 43.7 81.1

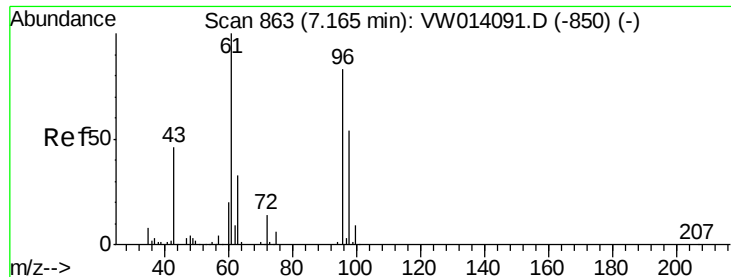


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#21

2-Butanone

Concen: 3.140 ug/L

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

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Instrument :

MSVOA_W

ClientSampleId :

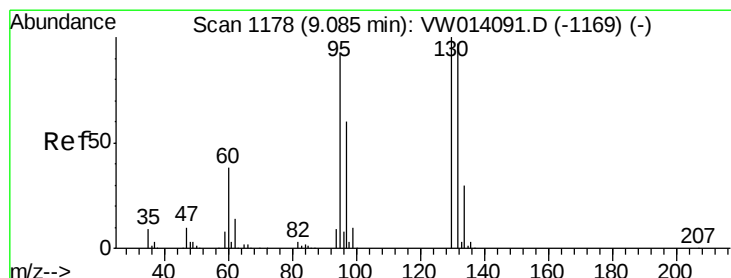
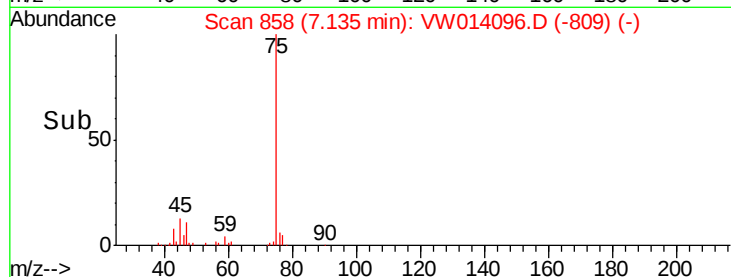
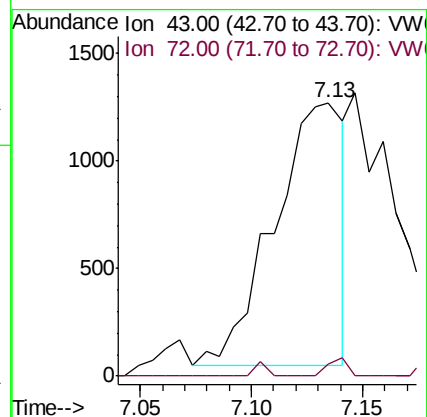
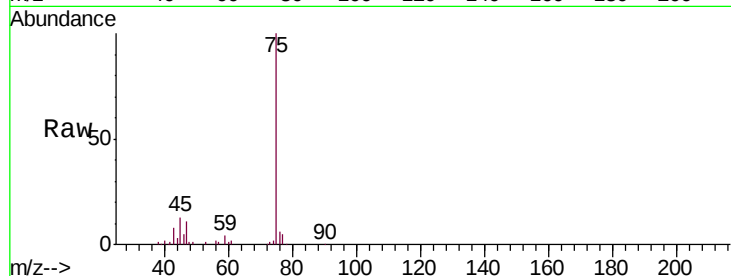
C0BJ7

Tgt Ion: 43 Resp: 2643

Ion Ratio Lower Upper

43 100

72 2.0 14.1 42.2#



#35

Trichloroethene

Concen: 3.399 ug/L

RT: 8.84 min Scan# 1137

Delta R.T. -0.25 min

Lab File: VW014096.D

Acq: 22 Nov 2019 15:40

Tgt Ion: 95 Resp: 4008

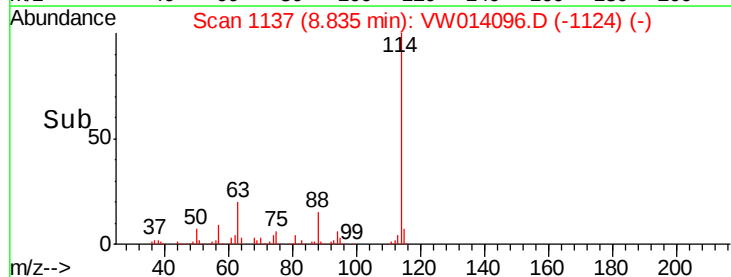
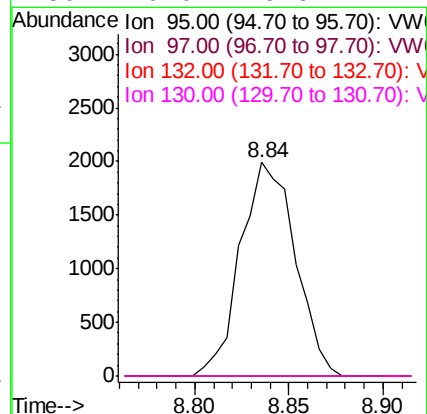
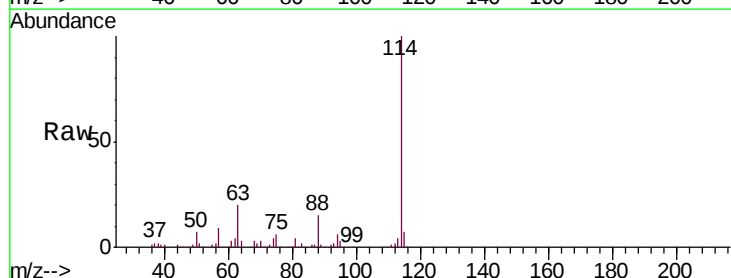
Ion Ratio Lower Upper

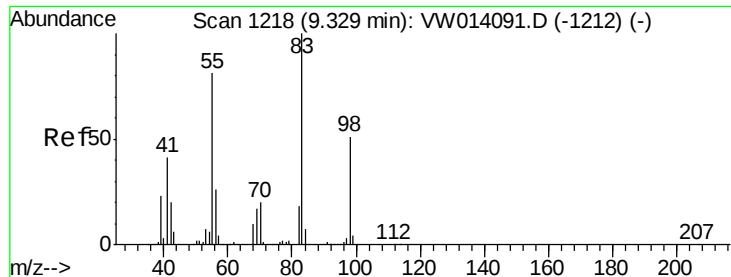
95 100

97 0.0 45.1 83.9#

132 0.0 73.7 136.9#

130 0.0 76.6 142.2#

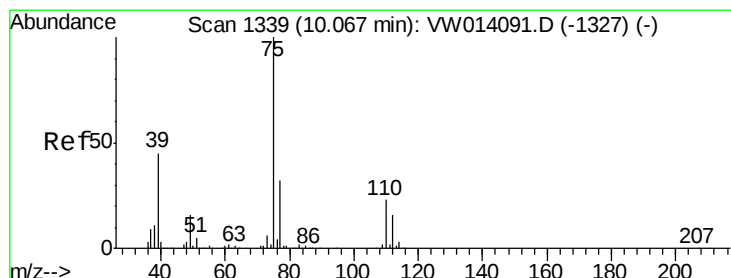
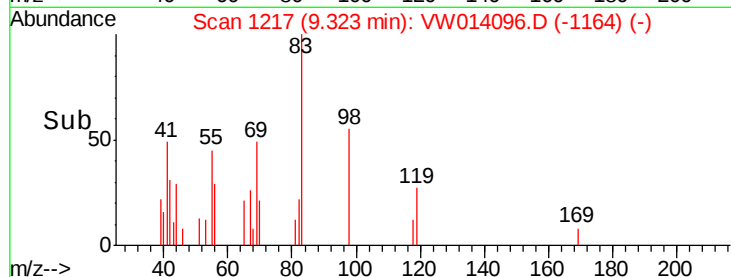
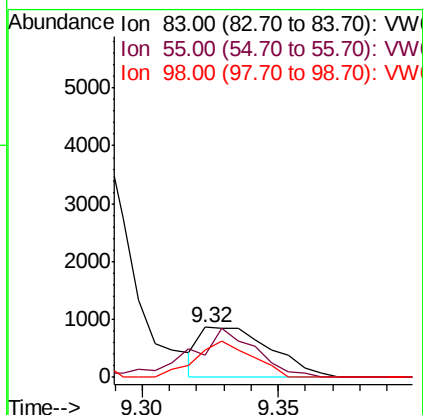
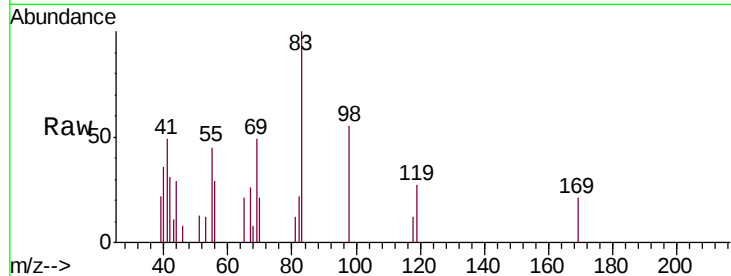




#36
Methylcyclohexane
Concen: 0.744 ug/L
RT: 9.32 min Scan# 1217
Delta R.T. -0.01 min
Lab File: VW014096.D
Acq: 22 Nov 2019 15:40

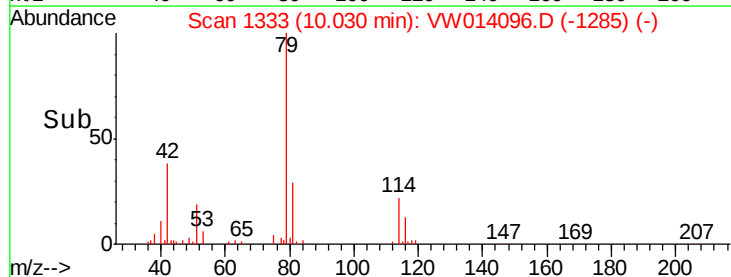
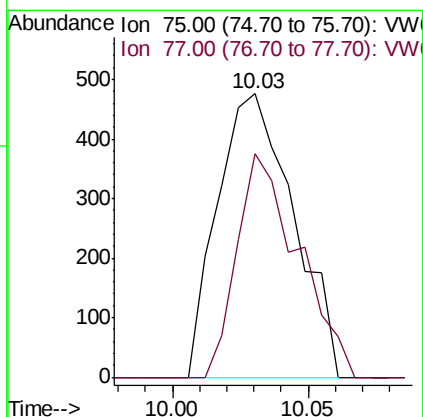
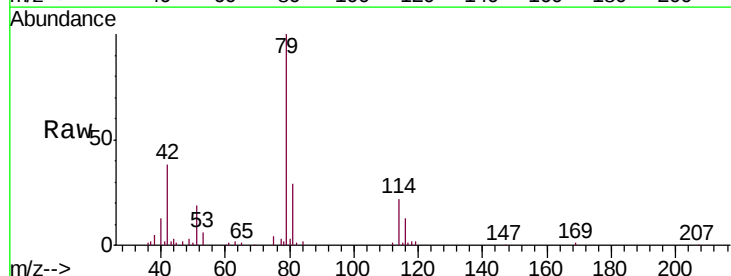
Instrument :
MSVOA_W
ClientSampled :
C0BJ7

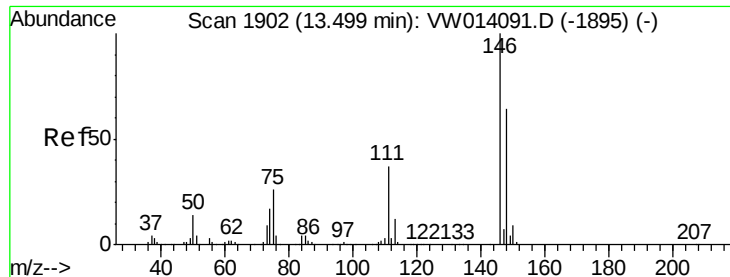
Tgt Ion: 83 Resp: 1573
Ion Ratio Lower Upper
83 100
55 90.2 59.8 89.8#
98 57.2 39.5 59.3



#42
cis-1,3-Dichloropropene
Concen: 0.548 ug/L
RT: 10.03 min Scan# 1333
Delta R.T. -0.04 min
Lab File: VW014096.D
Acq: 22 Nov 2019 15:40

Tgt Ion: 75 Resp: 920
Ion Ratio Lower Upper
75 100
77 78.8 22.1 41.1#

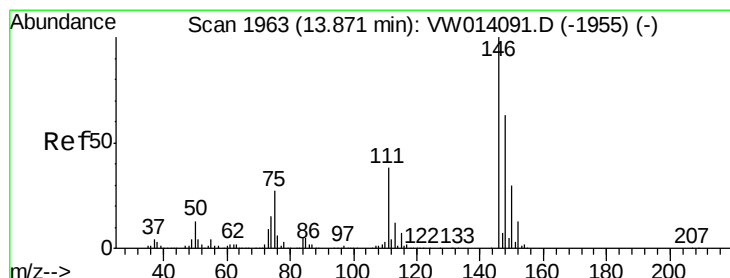
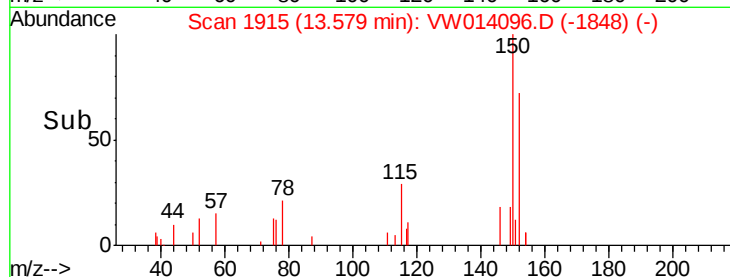
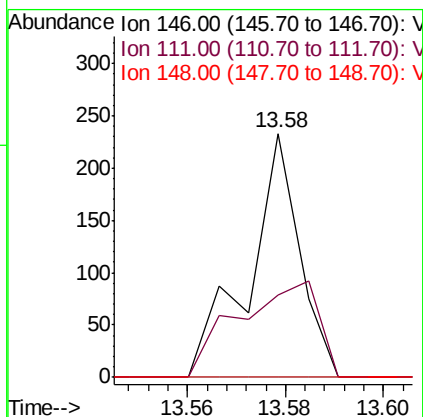
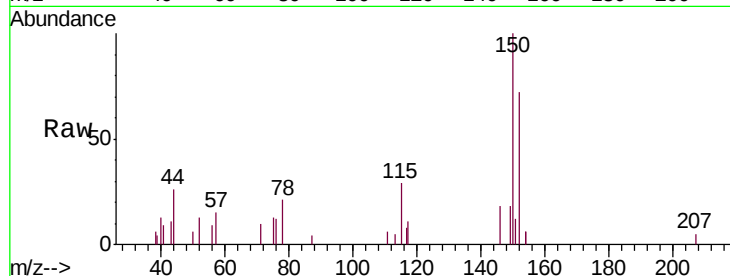




#63
 1,3-Dichlorobenzene
 Concen: 0.322 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.08 min
 Lab File: VW014096.D
 Acq: 22 Nov 2019 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 C0BJ7

Tgt Ion:146 Resp: 167
 Ion Ratio Lower Upper
 146 100
 111 33.9 26.0 48.2
 148 0.0 44.7 82.9#



#65
 1,2-Dichlorobenzene
 Concen: 0.364 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.29 min
 Lab File: VW014096.D
 Acq: 22 Nov 2019 15:40

Tgt Ion:146 Resp: 167
 Ion Ratio Lower Upper
 146 100
 111 33.9 30.5 45.7
 148 0.0 49.4 74.2#

