

Data File : VW006888.D
Acq On : 15 Nov 2018 01:09
Operator : SY/AP
Sample : J5944-07
Misc : 5.76G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETHS5

Quant Time: Nov 15 03:42:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 15 03:38:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	183193	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	180856	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	85754	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	38910	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
7) Chloroethane-d5	2.89	69	30413	25.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.92%
10) 1,1-Dichloroethene-d2	4.02	63	77015	17.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.92%
20) 2-Butanone-d5	7.09	46	37632	41.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.98%
24) Chloroform-d	7.65	84	98701	24.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	8.31	65	62392	27.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.04%
29) Benzene-d6	8.28	84	216525	22.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.60%
33) 1,2-Dichloropropane-d6	9.27	67	68990	23.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.36%
37) Toluene-d8	10.33	98	223935	23.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.52%
38) trans-1,3-Dichloropropene-	10.58	79	29058	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.52%
39) 2-Hexanone-d5	10.93	63	31444	43.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	59463	23.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	79547	24.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.96%

Target Compounds

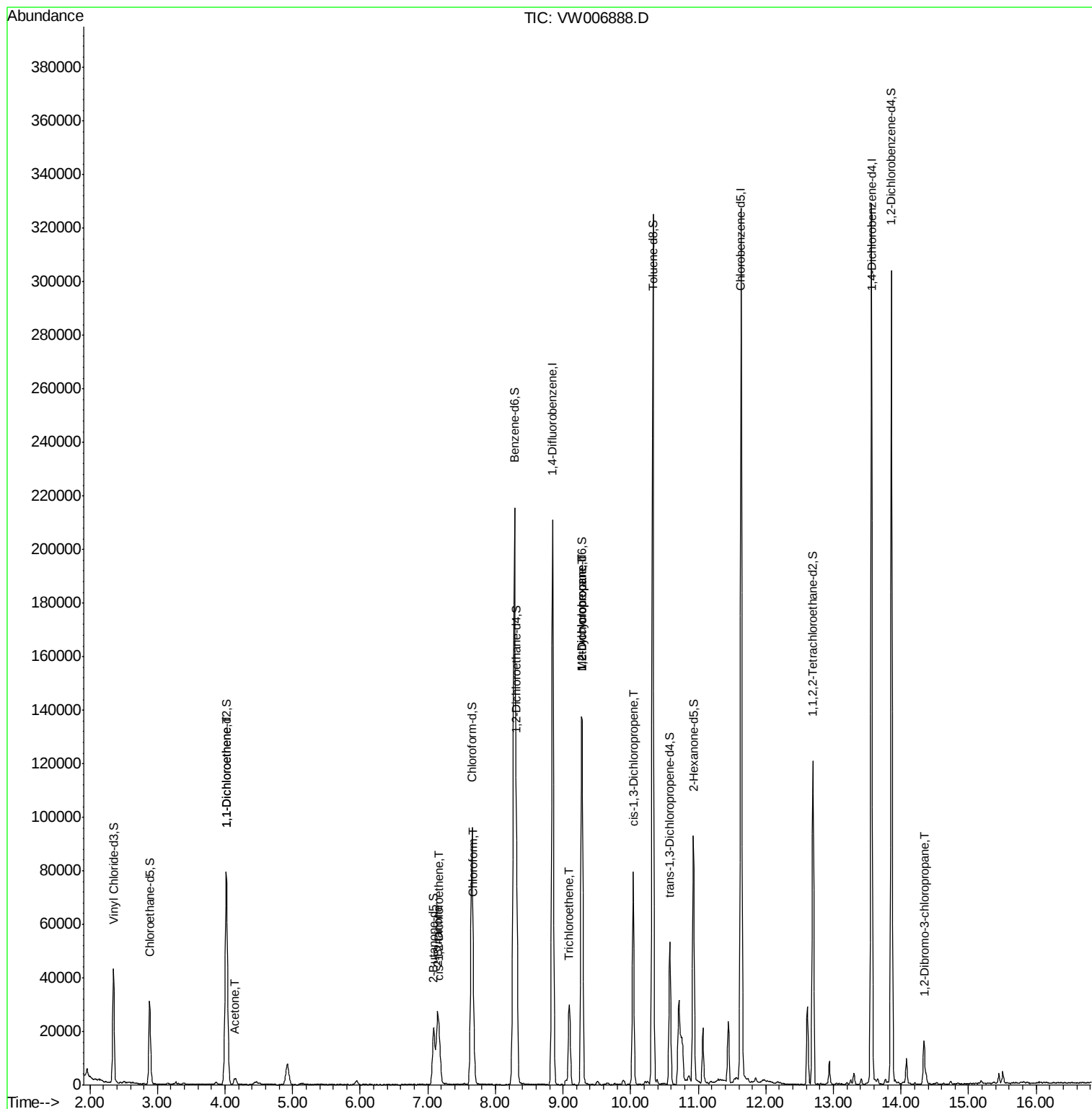
					Qvalue
12) 1,1-Dichloroethene	4.02	96	712	0.340 ug/L #	1
13) Acetone	4.15	43	3358	5.815 ug/L	97
21) 2-Butanone	7.15	43	711	0.714 ug/L	90
22) cis-1,2-Dichloroethene	7.17	96	5434	2.227 ug/L	97
25) Chloroform	7.68	83	6740	1.495 ug/L	86
35) Trichloroethene	9.09	95	10818	3.927 ug/L	98
36) Methylcyclohexane	9.28	83	15751	2.975 ug/L #	20
40) 1,2-Dichloropropane	9.28	63	7221	2.898 ug/L #	88
42) cis-1,3-Dichloropropene	10.04	75	1988	0.528 ug/L	85
66) 1,2-Dibromo-3-chloropropan	14.33	75	2279	4.917 ug/L #	2

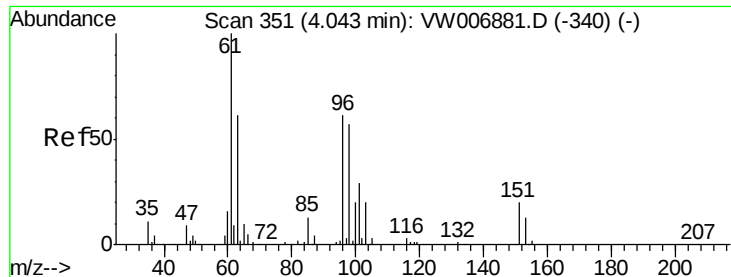
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.340 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW006888.D

Acq: 15 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

ETHS5

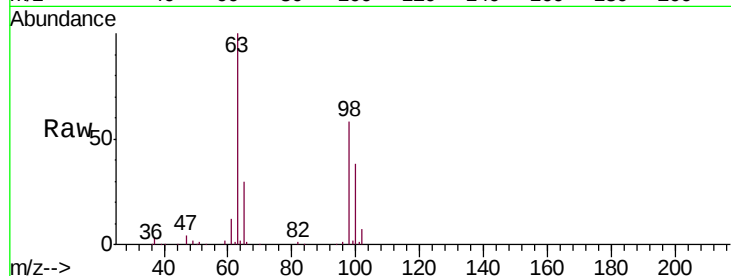
Tgt Ion: 96 Resp: 712

Ion Ratio Lower Upper

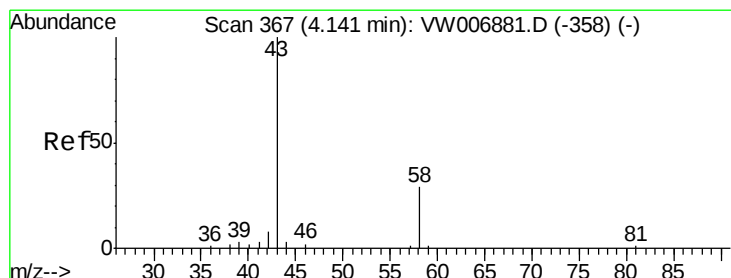
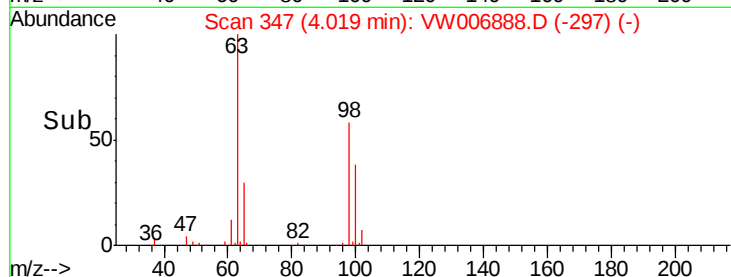
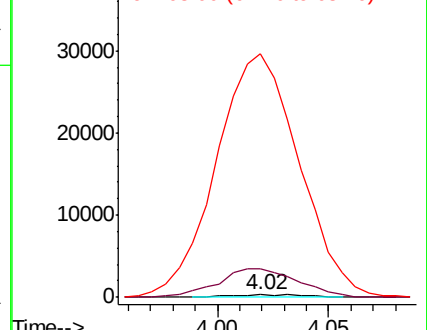
96 100

61 1133.1 116.3 215.9#

63 9811.9 73.4 136.4#



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 63.00 (62.70 to 63.70): VW



#13

Acetone

Concen: 5.815 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006888.D

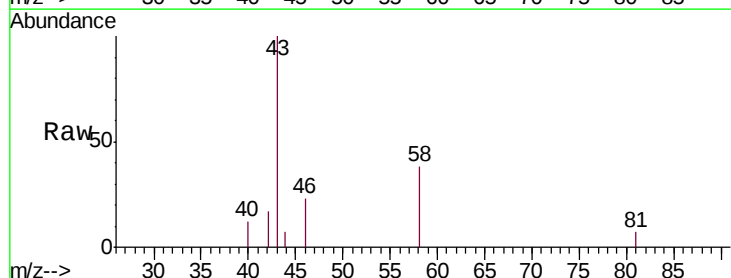
Acq: 15 Nov 2018 01:09

Tgt Ion: 43 Resp: 3358

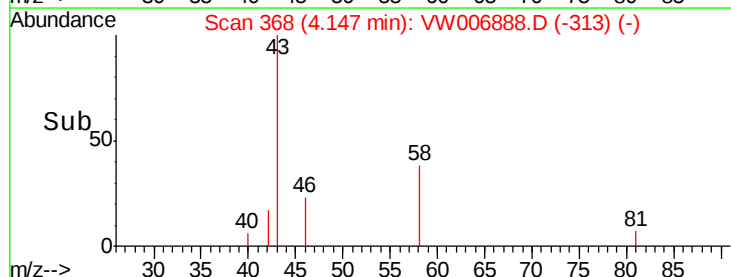
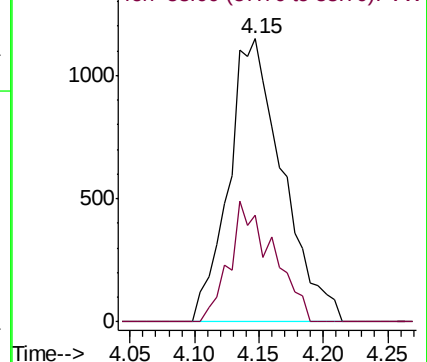
Ion Ratio Lower Upper

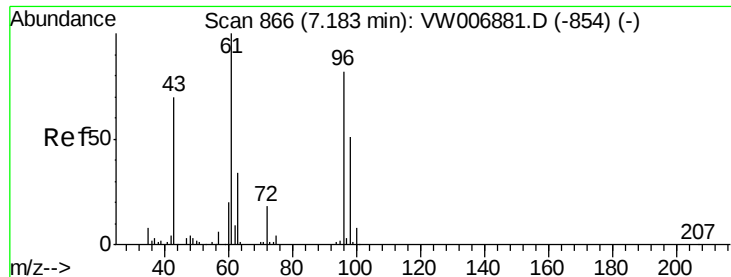
43 100

58 34.6 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#21

2-Butanone

Concen: 0.714 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW006888.D

Acq: 15 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampled :

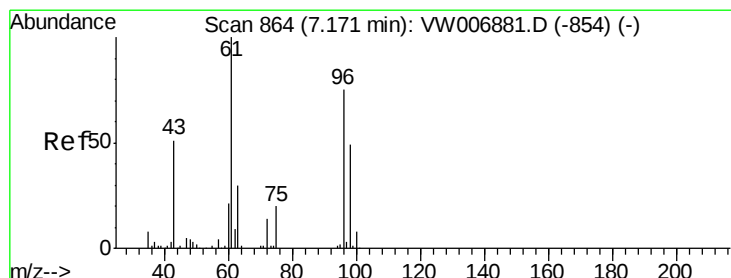
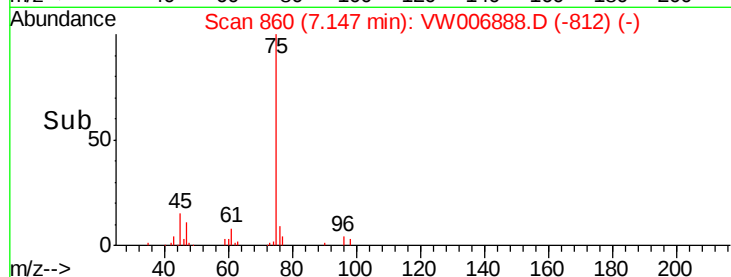
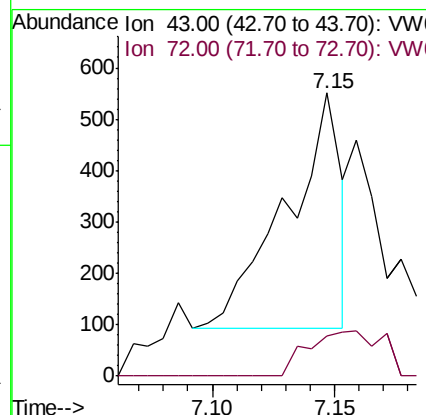
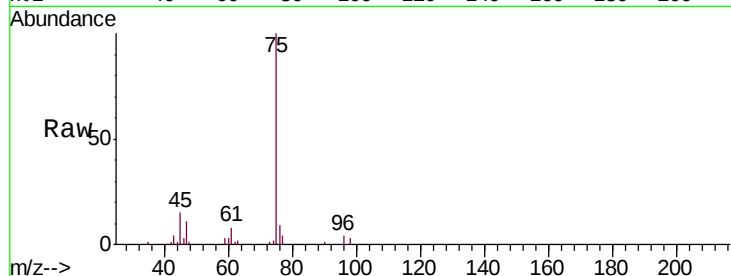
ETHS5

Tgt Ion: 43 Resp: 711

Ion Ratio Lower Upper

43 100

72 21.7 13.5 40.5



#22

cis-1,2-Dichloroethene

Concen: 2.227 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006888.D

Acq: 15 Nov 2018 01:09

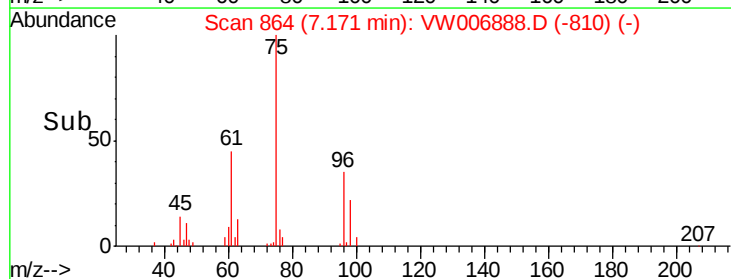
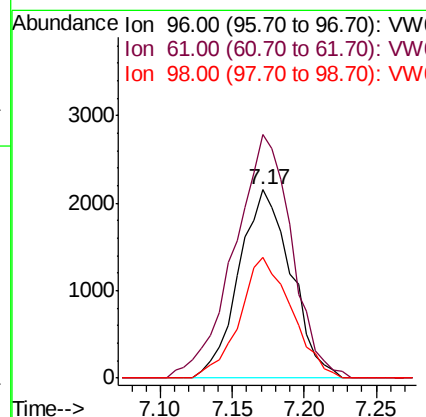
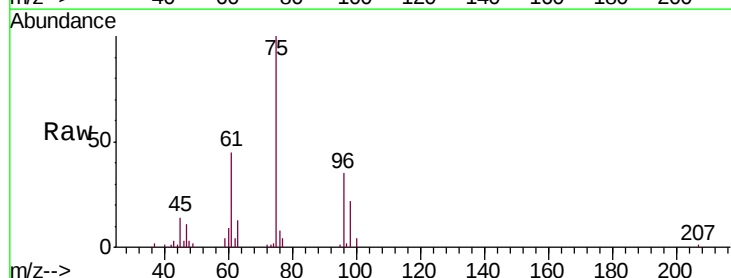
Tgt Ion: 96 Resp: 5434

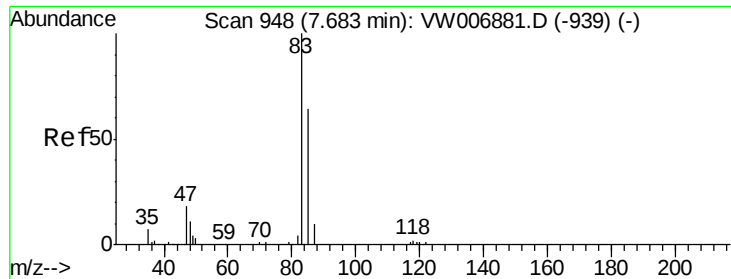
Ion Ratio Lower Upper

96 100

61 129.3 88.1 163.7

98 64.4 43.1 80.1





#25

Chloroform

Concen: 1.495 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006888.D

Acq: 15 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampled :

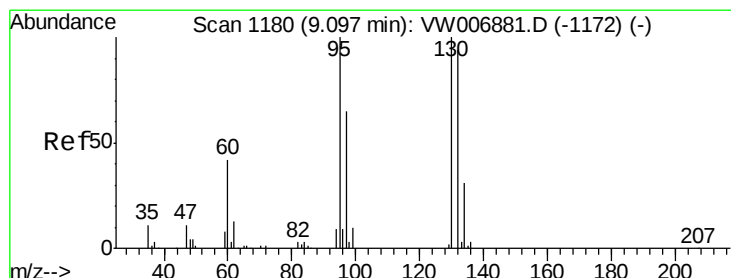
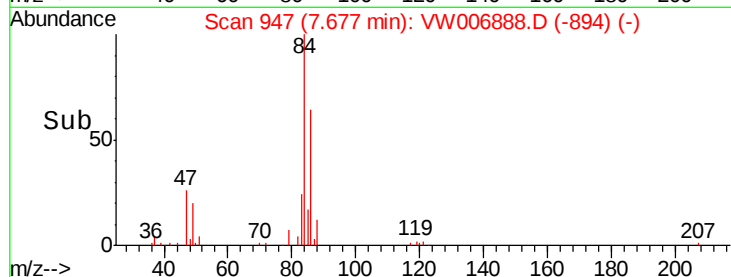
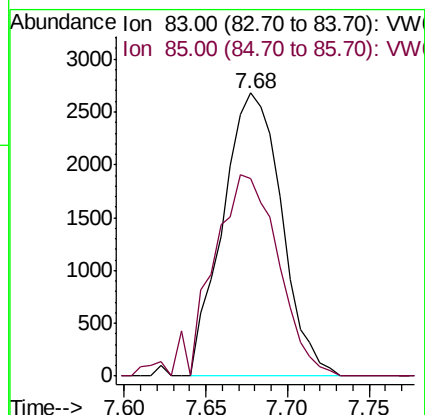
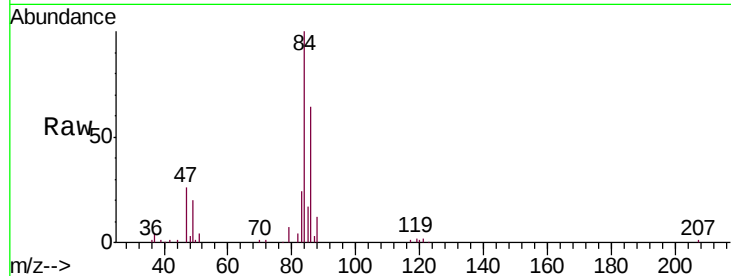
ETHS5

Tgt Ion: 83 Resp: 6740

Ion Ratio Lower Upper

83 100

85 75.9 45.4 84.2



#35

Trichloroethene

Concen: 3.927 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006888.D

Acq: 15 Nov 2018 01:09

Tgt Ion: 95 Resp: 10818

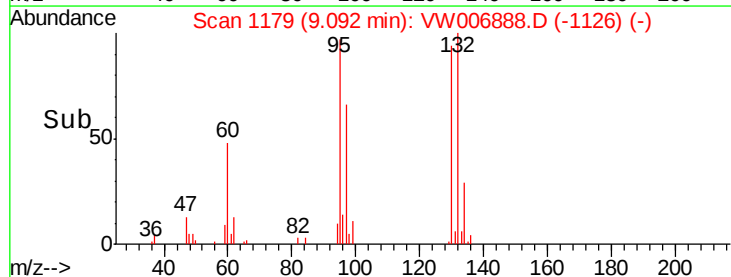
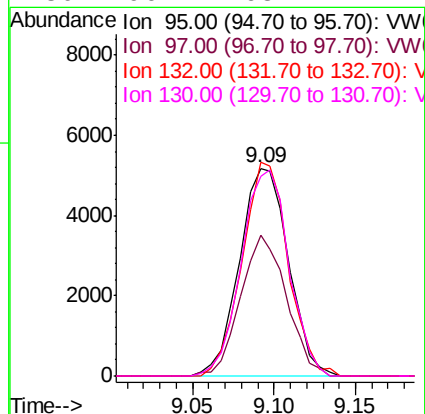
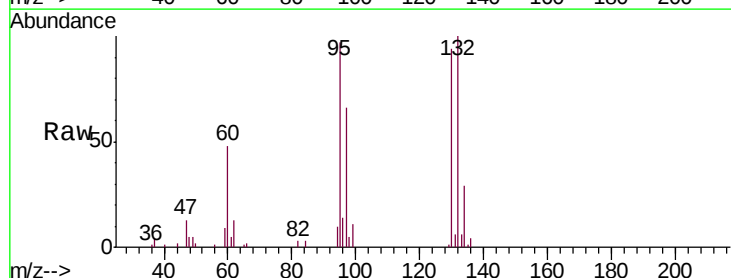
Ion Ratio Lower Upper

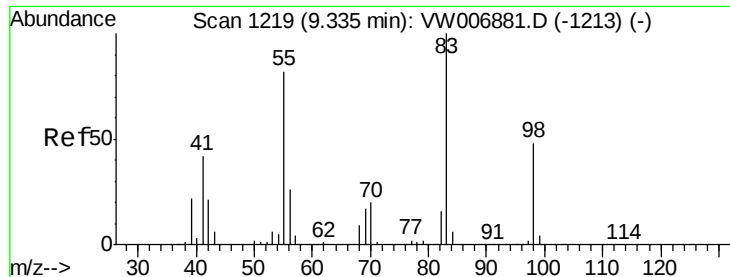
95 100

97 63.5 45.1 83.9

132 96.8 65.7 121.9

130 96.4 68.7 127.7





#36

Methylcyclohexane

Concen: 2.975 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.05 min

Lab File: VW006888.D

Acq: 15 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

ETHS5

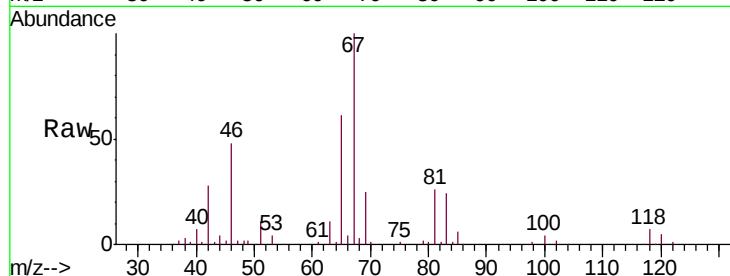
Tgt Ion: 83 Resp: 15751

Ion Ratio Lower Upper

83 100

55 0.3 60.2 90.2#

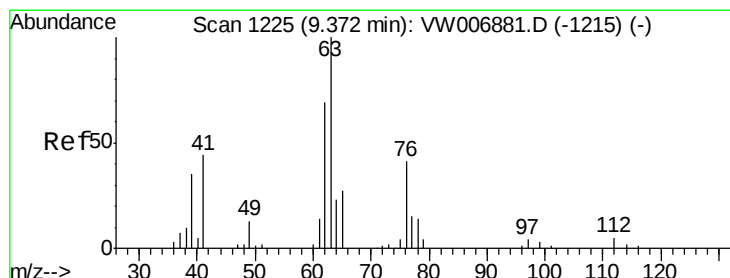
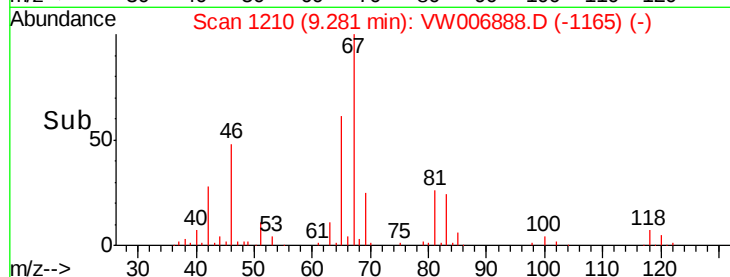
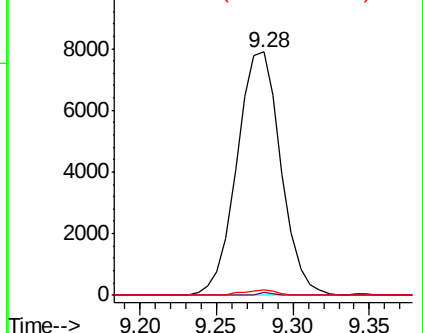
98 1.6 36.5 54.7#



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



#40

1,2-Dichloropropane

Concen: 2.898 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW006888.D

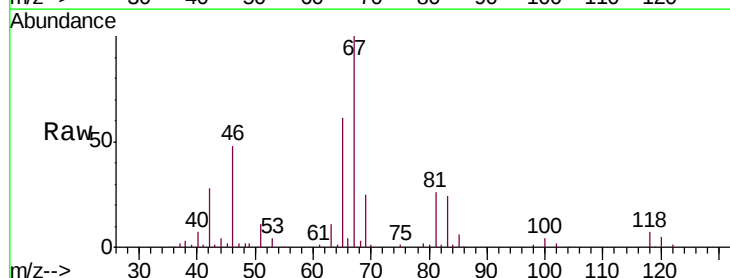
Acq: 15 Nov 2018 01:09

Tgt Ion: 63 Resp: 7221

Ion Ratio Lower Upper

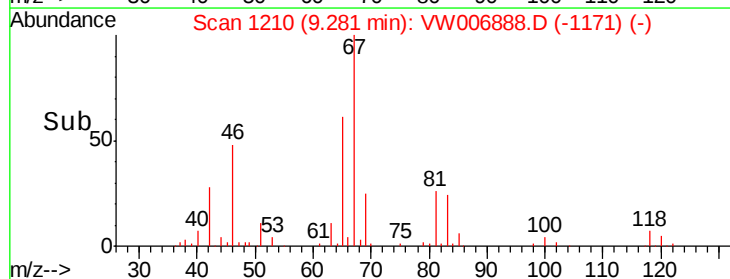
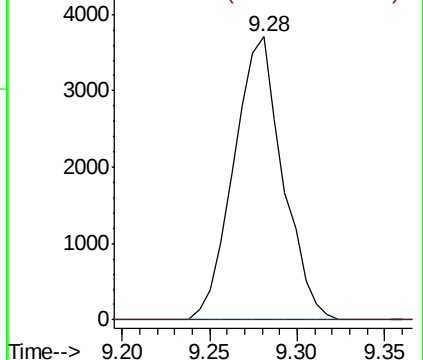
63 100

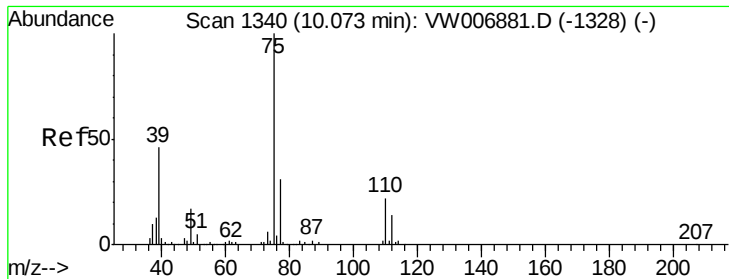
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

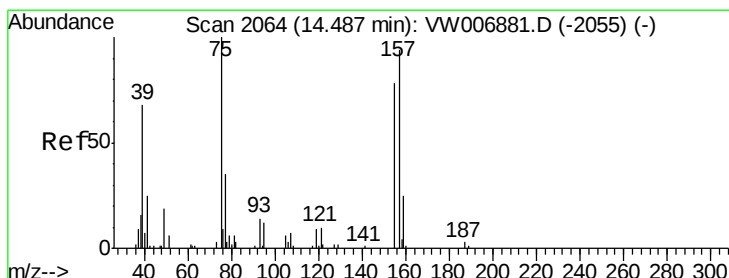
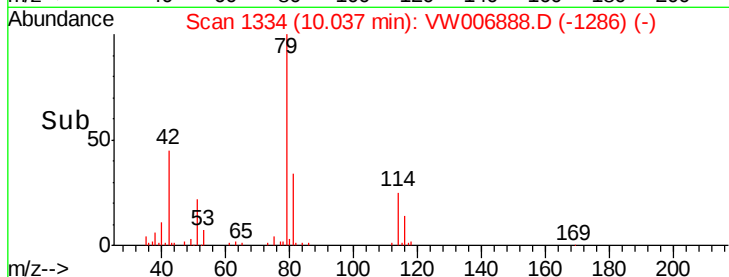
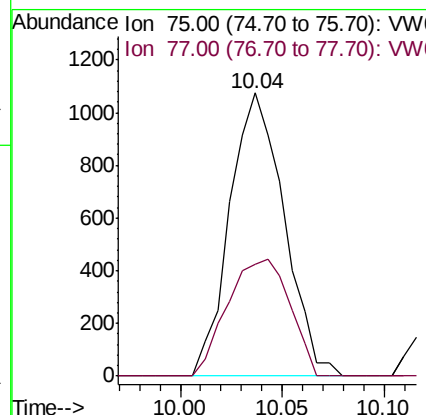
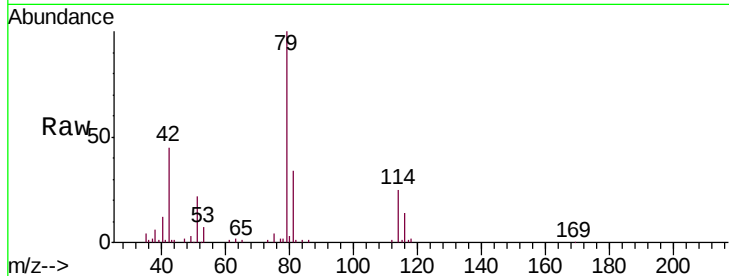




#42
 cis-1,3-Dichloropropene
 Concen: 0.528 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW006888.D
 Acq: 15 Nov 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 ETHS5

Tgt Ion: 75 Resp: 1988
 Ion Ratio Lower Upper
 75 100
 77 39.6 21.9 40.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.917 ug/L
 RT: 14.33 min Scan# 2039
 Delta R.T. -0.15 min
 Lab File: VW006888.D
 Acq: 15 Nov 2018 01:09

Tgt Ion: 75 Resp: 2279
 Ion Ratio Lower Upper
 75 100
 157 0.0 85.0 127.6#
 155 0.0 67.7 101.5#

