

Data File : VW009873.D
Acq On : 10 Apr 2019 10:06
Operator : SY/VA
Sample : K2259-05
Misc : 5.21G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETJ44RE

Quant Time: Apr 10 12:13:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 10 08:15:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	466546	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	349123	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	84283	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	130775	21.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.68%
7) Chloroethane-d5	2.89	69	122945	21.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.92%
10) 1,1-Dichloroethene-d2	4.01	63	239808	18.26	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.04%
20) 2-Butanone-d5	7.08	46	87398	44.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.18%
24) Chloroform-d	7.65	84	333889	26.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.92%
26) 1,2-Dichloroethane-d4	8.31	65	195866	25.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.24%
29) Benzene-d6	8.27	84	589220	32.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	128.60%
33) 1,2-Dichloropropane-d6	9.27	67	191702	33.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	135.48%#
37) Toluene-d8	10.32	98	464527	27.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.64%
38) trans-1,3-Dichloropropene-	10.58	79	57319	21.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.92%
39) 2-Hexanone-d5	10.93	63	48716	45.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132028	25.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	90672	30.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	122.64%#

Target Compounds

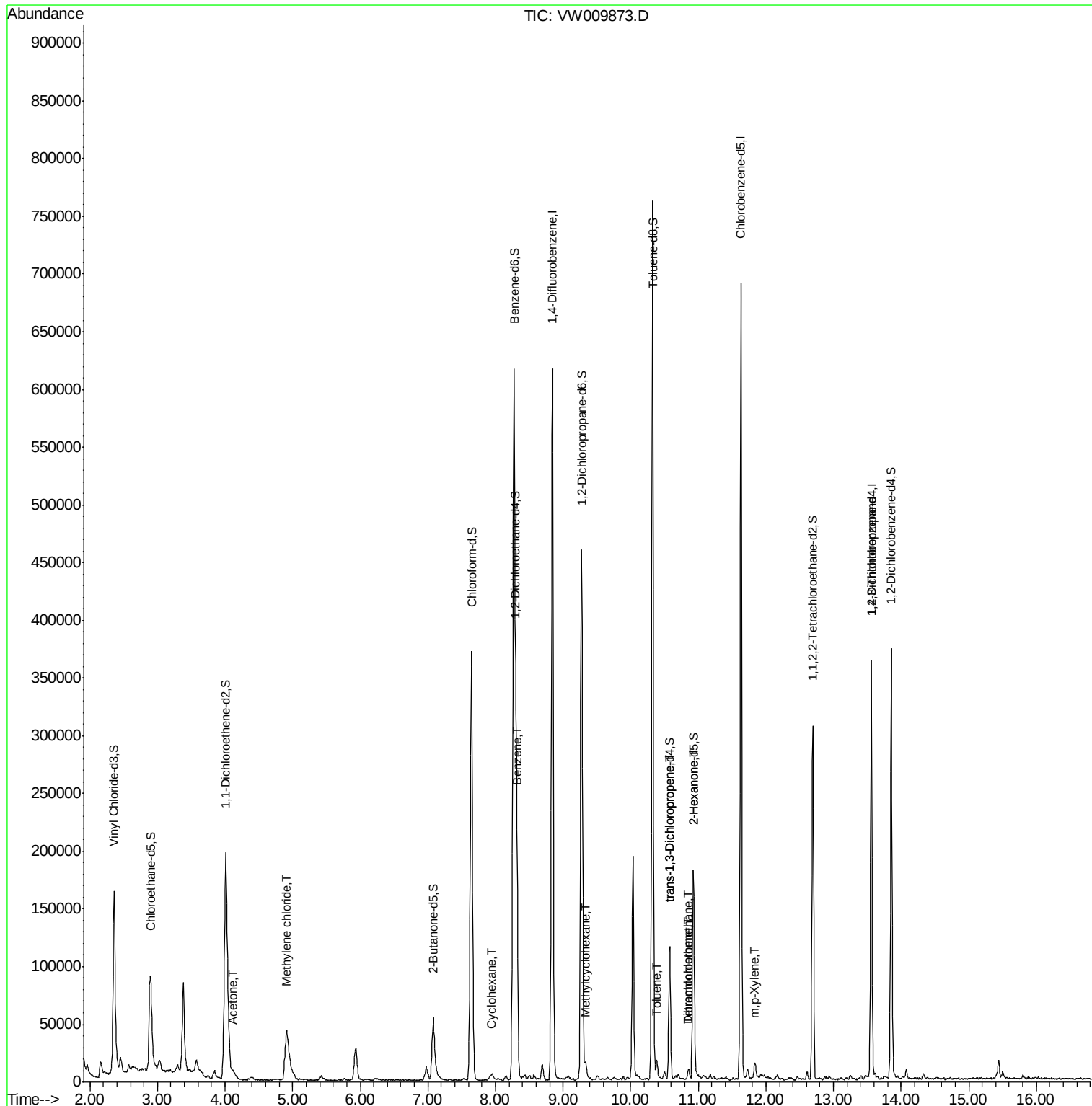
					Qvalue
13) Acetone	4.11	43	5436	2.559 ug/L	74
16) Methylene chloride	4.90	84	17973	2.184 ug/L	84
30) Cyclohexane	7.95	56	2603	0.316 ug/L #	92
34) Benzene	8.32	78	56168	2.674 ug/L	100
36) Methylcyclohexane	9.33	83	3686	0.408 ug/L #	69
44) Toluene	10.39	91	10624	0.477 ug/L	99
45) trans-1,3-Dichloropropene	10.57	75	3095	0.431 ug/L #	80
47) Tetrachloroethene	10.86	164	1619	0.374 ug/L	91
49) 2-Hexanone	10.93	43	9701	3.119 ug/L #	79
50) Dibromochloromethane	10.86	129	1618	0.326 ug/L #	12
54) m,p-Xylene	11.83	106	3627	0.387 ug/L	82
59) 1,2,3-Trichloropropane	13.56	75	12485	3.090 ug/L	91

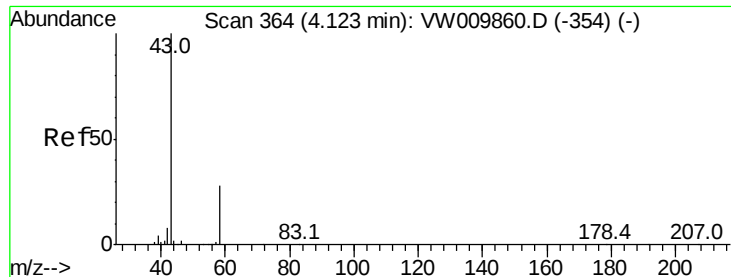
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.559 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW009873.D

Acq: 10 Apr 2019 10:06

Instrument :

MSVOA_W

ClientSampled :

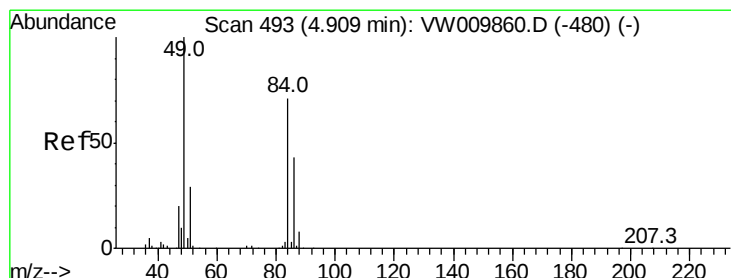
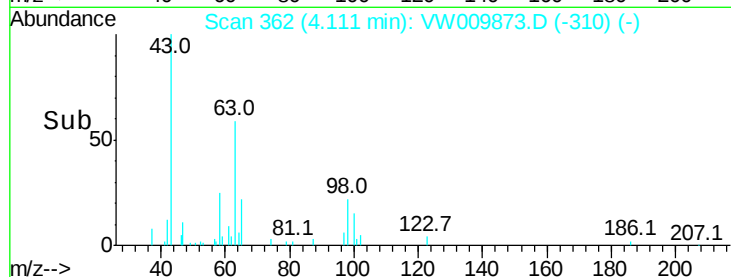
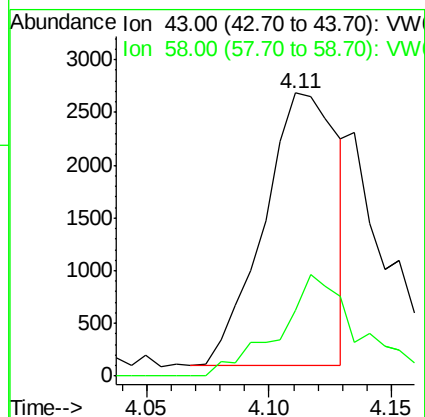
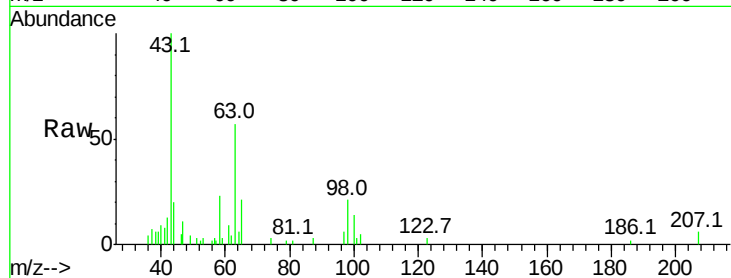
ETJ44RE

Tgt Ion: 43 Resp: 5436

Ion Ratio Lower Upper

43 100

58 13.0 0.0 53.0



#16

Methylene chloride

Concen: 2.184 ug/L

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW009873.D

Acq: 10 Apr 2019 10:06

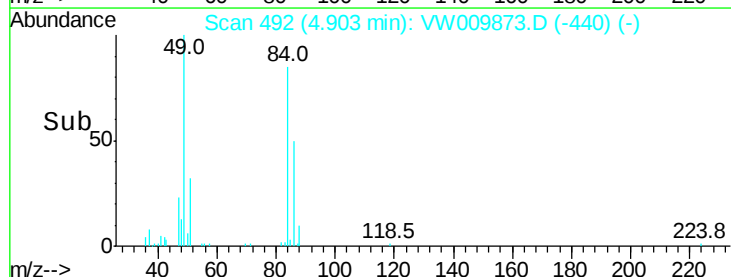
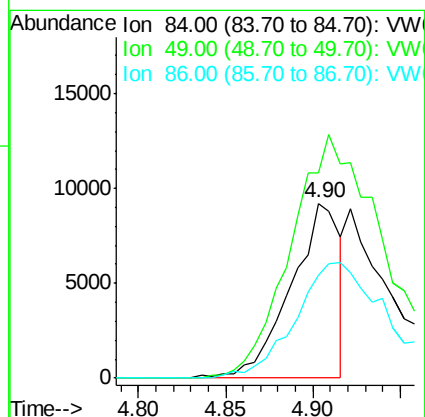
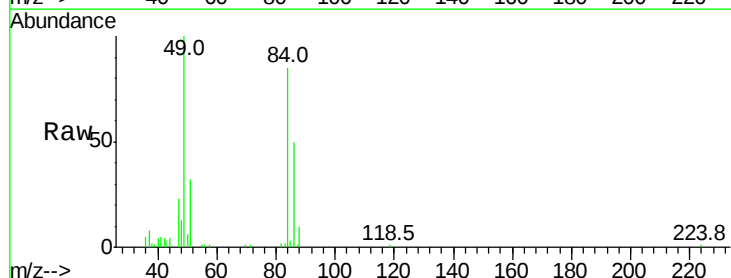
Tgt Ion: 84 Resp: 17973

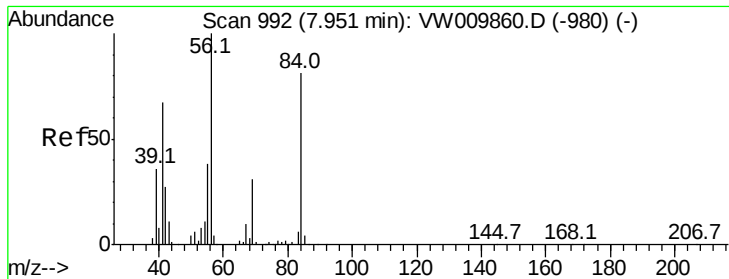
Ion Ratio Lower Upper

84 100

49 117.4 98.3 182.5

86 59.2 46.4 86.2

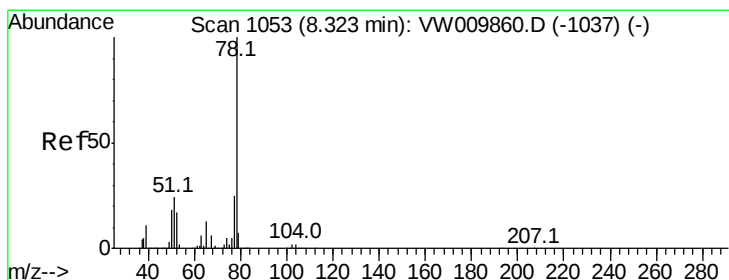
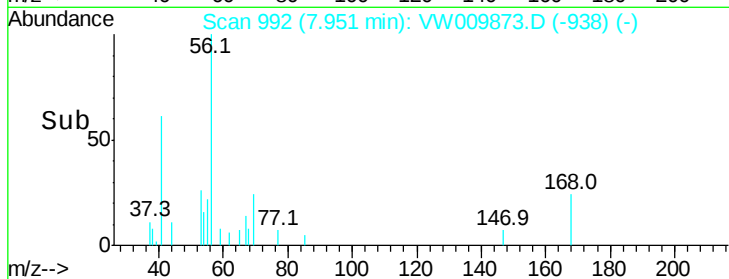
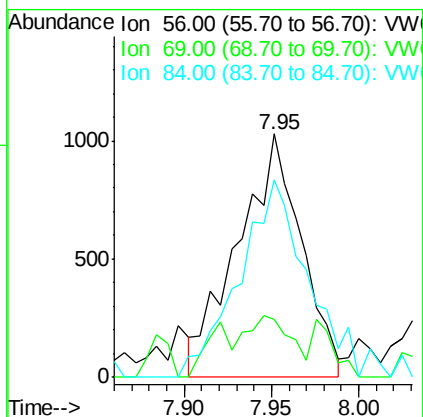
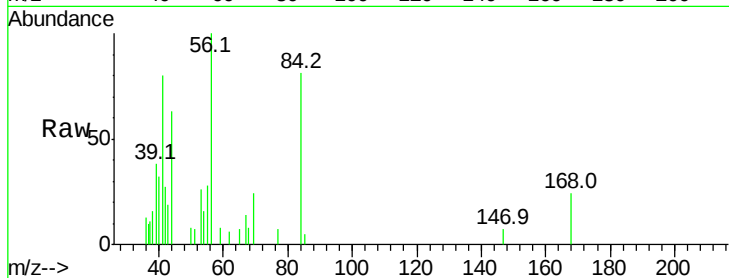




#30
Cyclohexane
Concen: 0.316 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009873.D
Acq: 10 Apr 2019 10:06

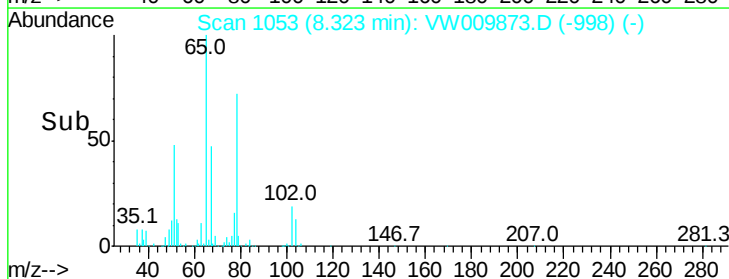
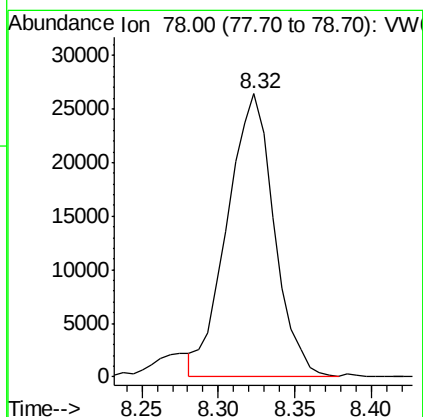
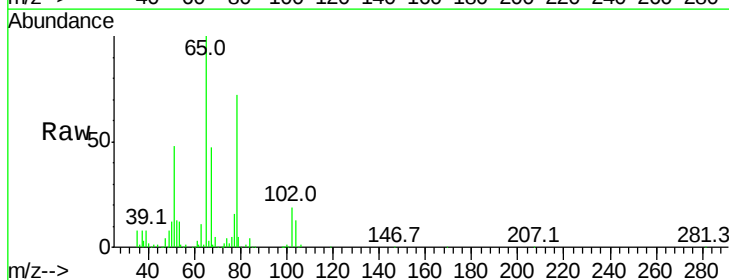
Instrument :
MSVOA_W
ClientSampled :
ETJ44RE

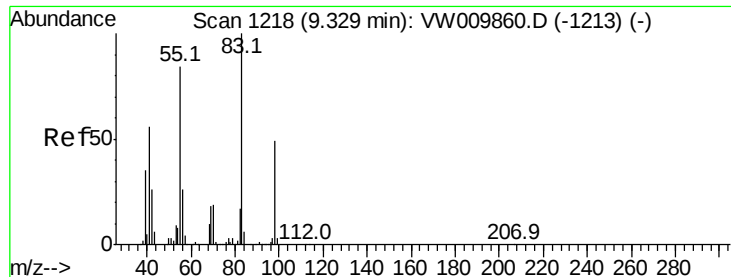
Tgt Ion: 56 Resp: 2603
Ion Ratio Lower Upper
56 100
69 15.3 23.4 35.2#
84 86.7 67.7 101.5



#34
Benzene
Concen: 2.674 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW009873.D
Acq: 10 Apr 2019 10:06

Tgt Ion: 78 Resp: 56168

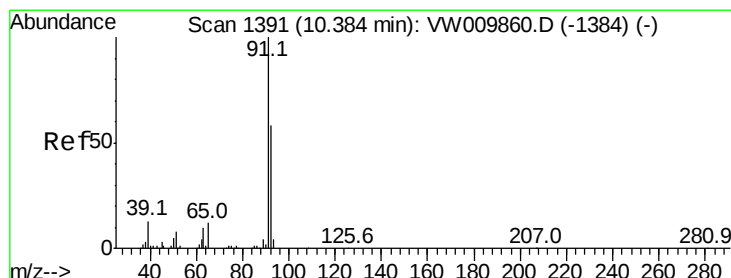
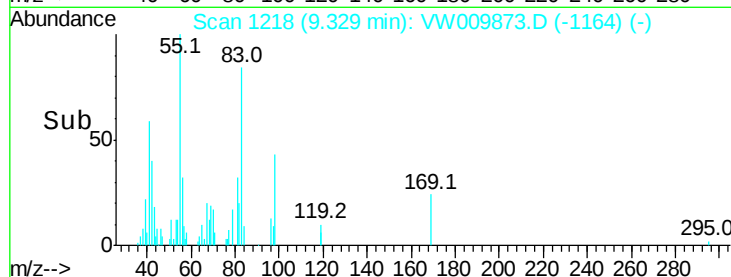
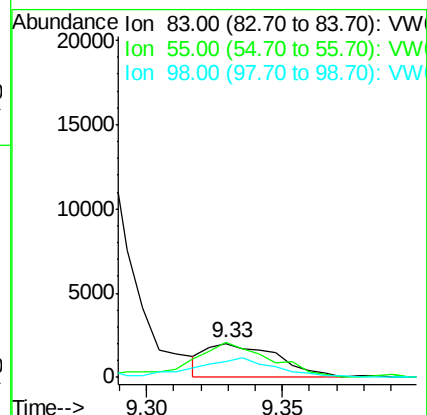
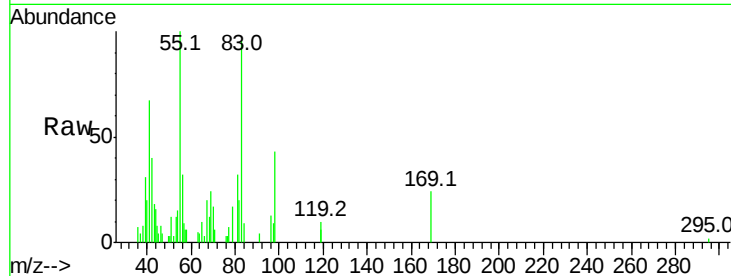




#36
Methylcyclohexane
Concen: 0.408 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW009873.D
Acq: 10 Apr 2019 10:06

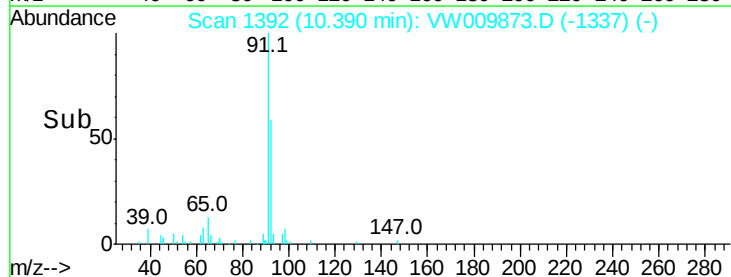
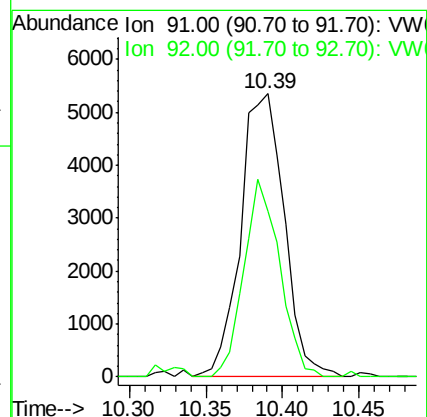
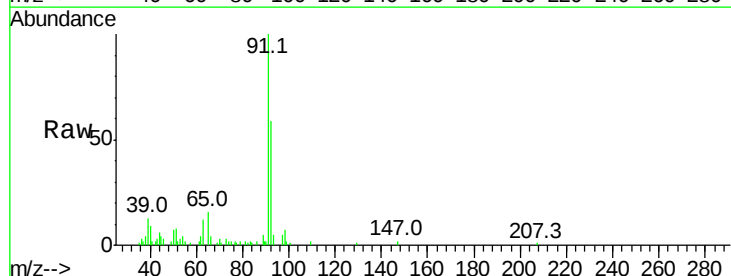
Instrument :
MSVOA_W
ClientSampleId :
ETJ44RE

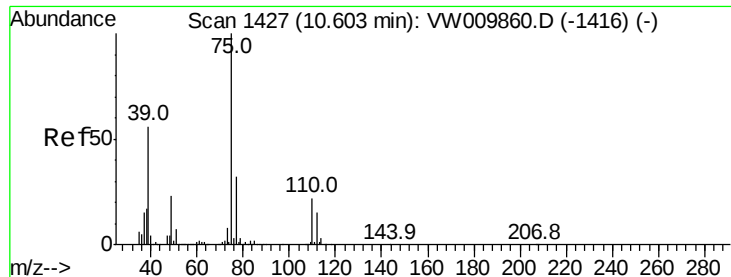
Tgt Ion: 83 Resp: 3686
Ion Ratio Lower Upper
83 100
55 117.9 66.3 99.5#
98 61.3 39.4 59.0#



#44
Toluene
Concen: 0.477 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW009873.D
Acq: 10 Apr 2019 10:06

Tgt Ion: 91 Resp: 10624
Ion Ratio Lower Upper
91 100
92 58.5 40.5 75.1





#45

trans-1,3-Dichloropropene

Concen: 0.431 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009873.D

Acq: 10 Apr 2019 10:06

Instrument :

MSVOA_W

ClientSampleId :

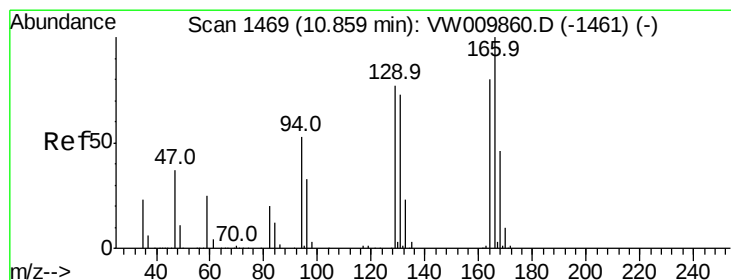
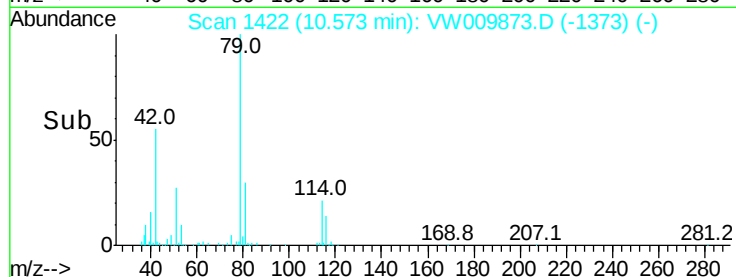
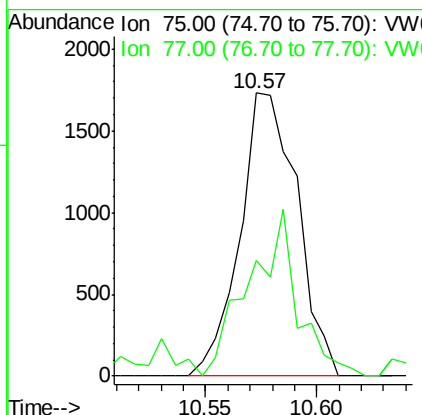
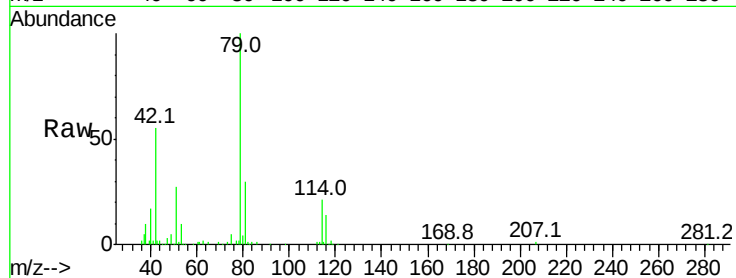
ETJ44RE

Tgt Ion: 75 Resp: 3095

Ion Ratio Lower Upper

75 100

77 40.9 21.1 39.3#



#47

Tetrachloroethene

Concen: 0.374 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009873.D

Acq: 10 Apr 2019 10:06

Tgt Ion: 164 Resp: 1619

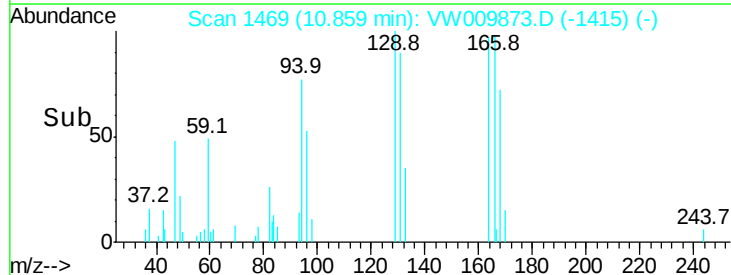
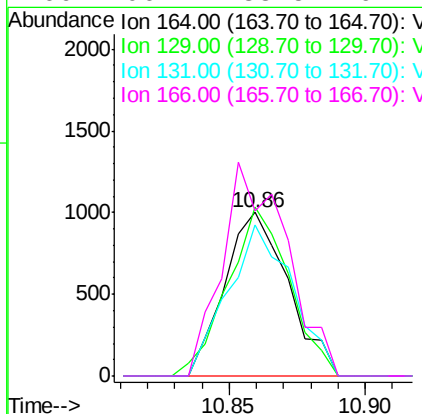
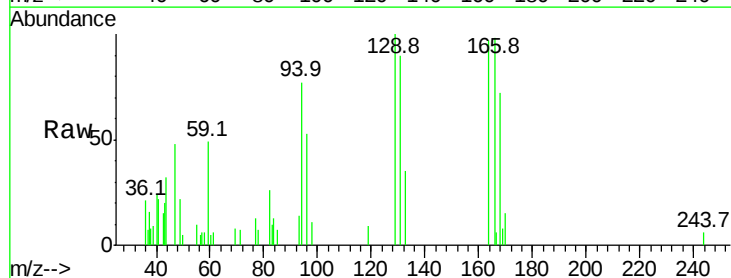
Ion Ratio Lower Upper

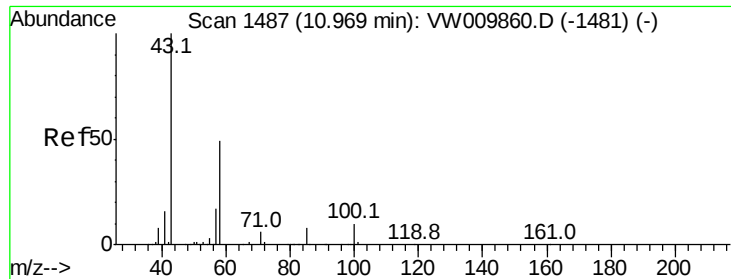
164 100

129 103.0 68.9 127.9

131 92.5 63.1 117.1

166 106.7 88.5 164.4

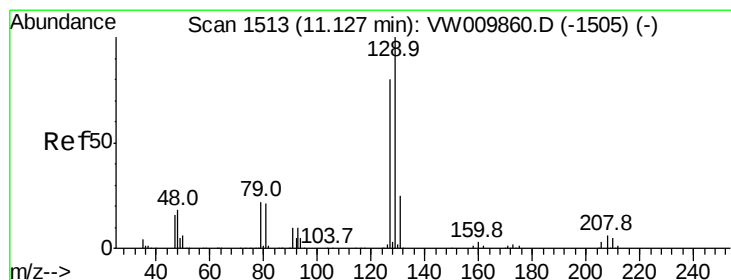
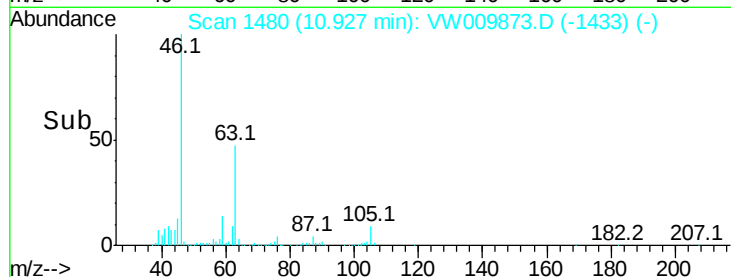
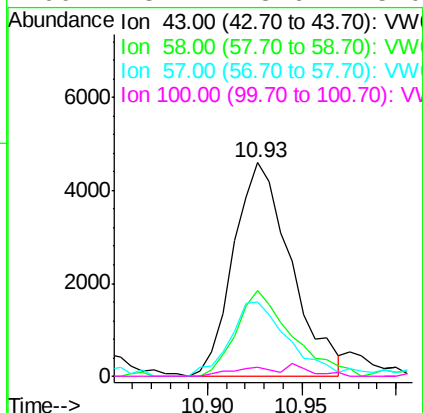
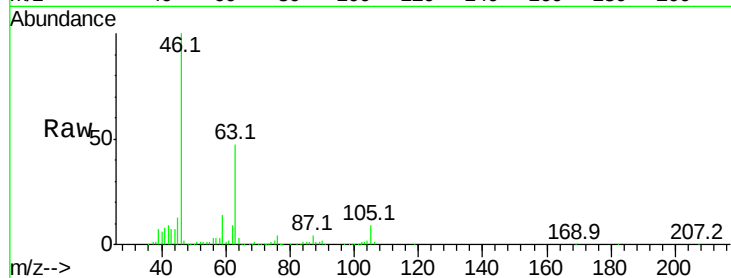




#49
2-Hexanone
Concen: 3.119 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW009873.D
Acq: 10 Apr 2019 10:06

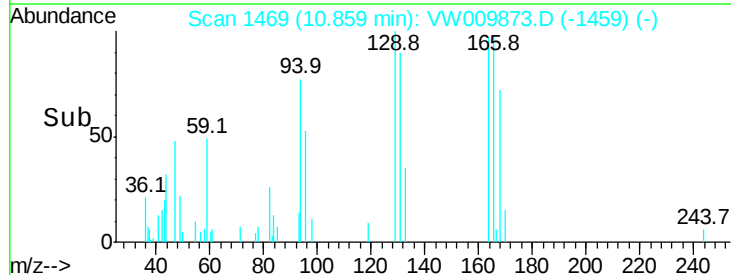
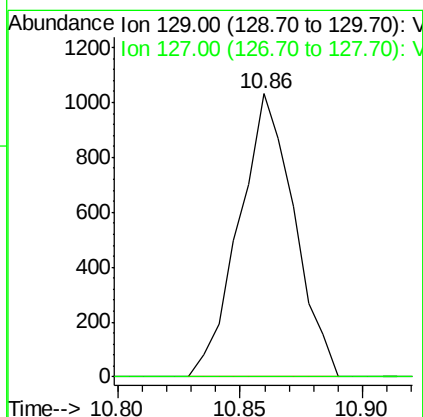
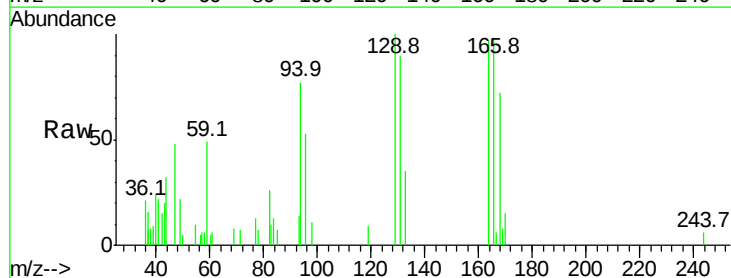
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ETJ44RE

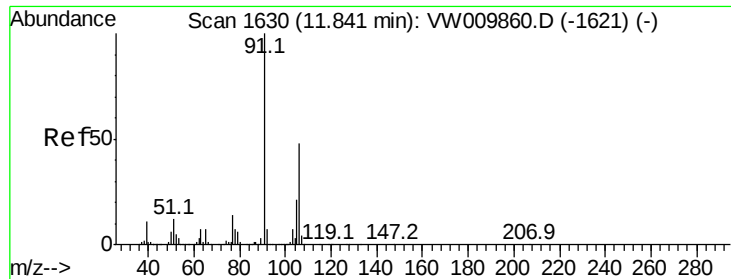
Tgt Ion: 43 Resp: 9701
Ion Ratio Lower Upper
43 100
58 38.4 38.9 58.3#
57 34.6 13.8 20.6#
100 3.2 8.6 13.0#



#50
Dibromochloromethane
Concen: 0.326 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.27 min
Lab File: VW009873.D
Acq: 10 Apr 2019 10:06

Tgt Ion: 129 Resp: 1618
Ion Ratio Lower Upper
129 100
127 0.0 53.0 98.4#





#54

m,p-Xylene

Concen: 0.387 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW009873.D

Acq: 10 Apr 2019 10:06

Instrument :

MSVOA_W

ClientSampleId :

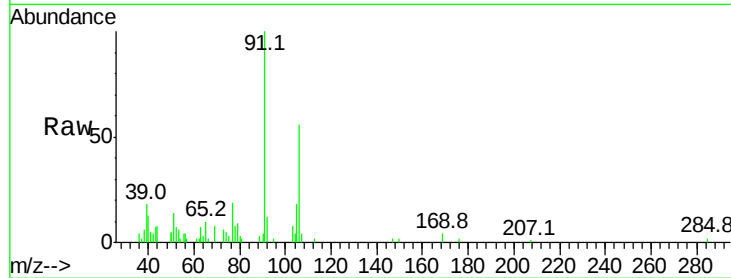
ETJ44RE

Tgt Ion:106 Resp: 3627

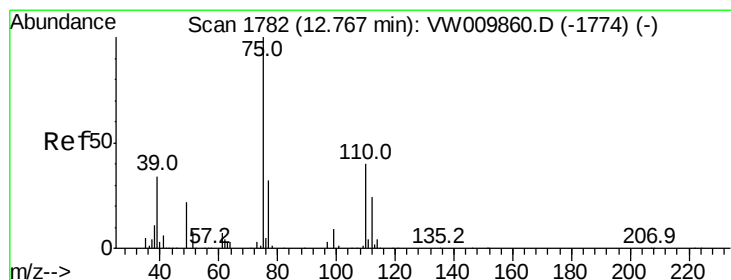
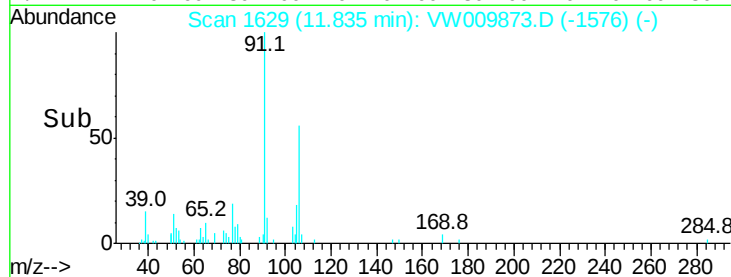
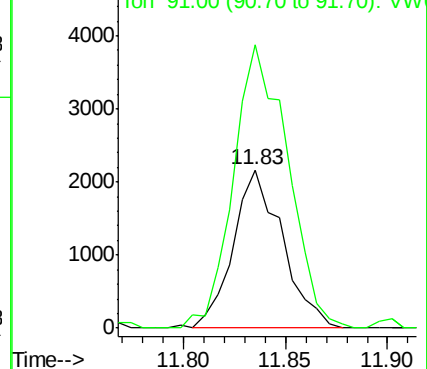
Ion Ratio Lower Upper

106 100

91 179.0 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VW



#59

1,2,3-Trichloropropane

Concen: 3.090 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009873.D

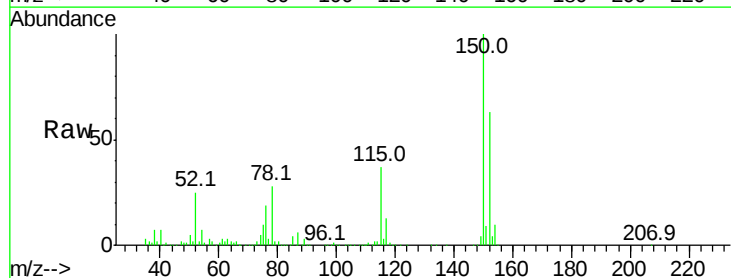
Acq: 10 Apr 2019 10:06

Tgt Ion: 75 Resp: 12485

Ion Ratio Lower Upper

75 100

77 37.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

