

Data File : VW009187.D
Acq On : 14 Mar 2019 23:11
Operator : SY/VA
Sample : K1885-17
Misc : 5.42G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF1K1

Quant Time: Mar 15 06:58:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 06:53:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	431488	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	414215	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	196291	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	139186	26.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.96%
7) Chloroethane-d5	2.89	69	131174	21.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.96%
10) 1,1-Dichloroethene-d2	4.01	63	202670	18.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.76%
20) 2-Butanone-d5	7.07	46	100358	47.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.12%
24) Chloroform-d	7.65	84	277553	23.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.28%
26) 1,2-Dichloroethane-d4	8.31	65	169349	23.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.48%
29) Benzene-d6	8.27	84	537450	23.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.12%
33) 1,2-Dichloropropane-d6	9.27	67	163765	23.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.48%
37) Toluene-d8	10.32	98	481398	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.16%
38) trans-1,3-Dichloropropene-	10.57	79	75650	21.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.80%
39) 2-Hexanone-d5	10.92	63	80072	48.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	154650	22.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	182896	24.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.20%

Target Compounds

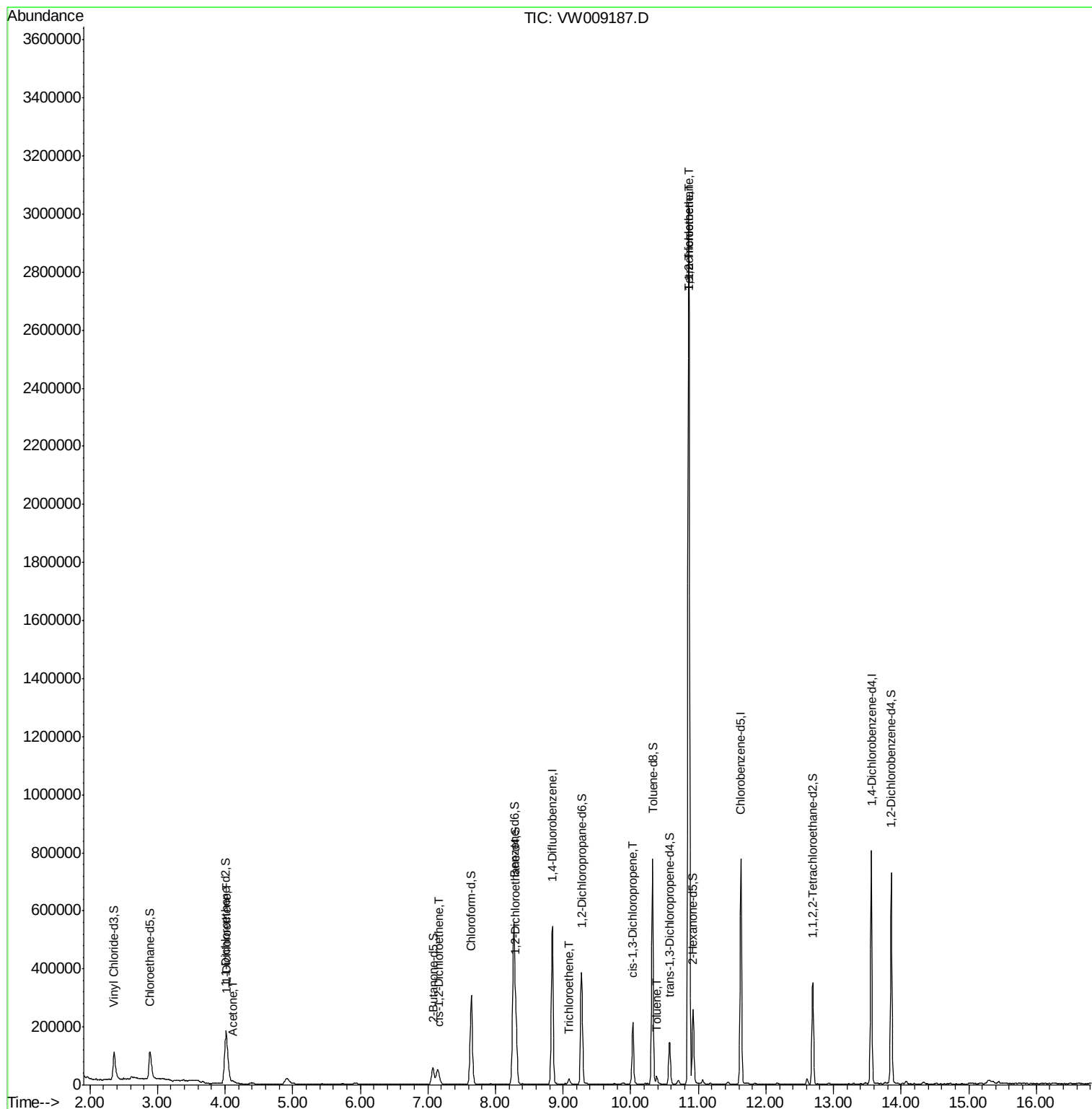
					Qvalue
12) 1,1-Dichloroethene	4.03	96	6578	1.238 ug/L #	1
13) Acetone	4.12	43	8796	5.030 ug/L	87
22) cis-1,2-Dichloroethene	7.17	96	10507	1.736 ug/L	99
35) Trichloroethene	9.09	95	4898	0.811 ug/L	95
42) cis-1,3-Dichloropropene	10.03	75	6093	0.643 ug/L #	63
44) Toluene	10.39	91	19759	0.797 ug/L	90
46) 1,1,2-Trichloroethane	10.86	97	5713	1.231 ug/L #	16
47) Tetrachloroethene	10.86	164	627311	122.894 ug/L	97

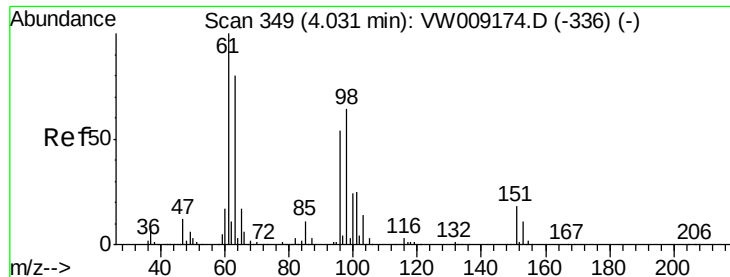
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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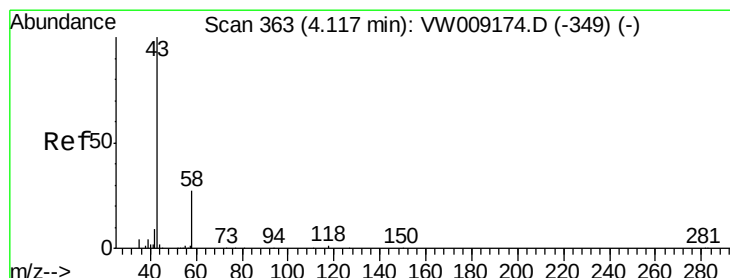
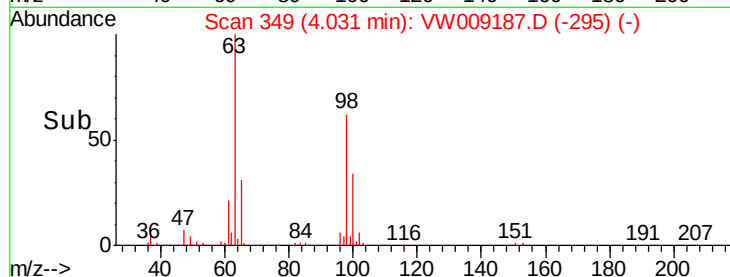
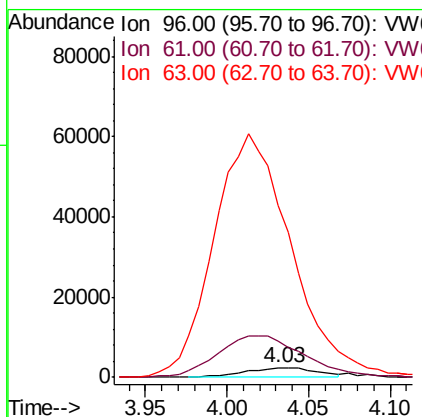
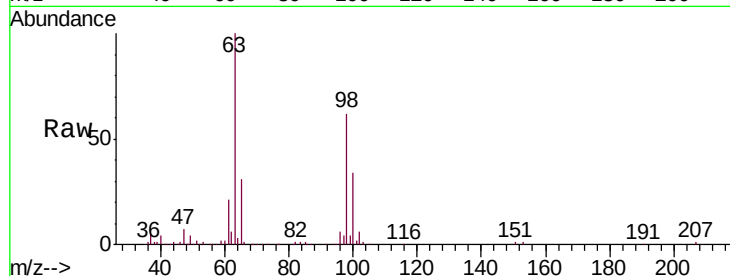




#12
 1,1-Dichloroethene
 Concen: 1.238 ug/L
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW009187.D
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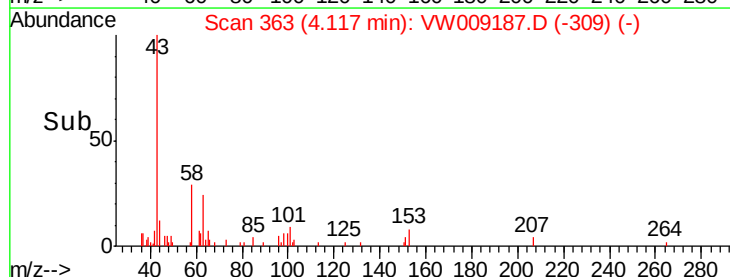
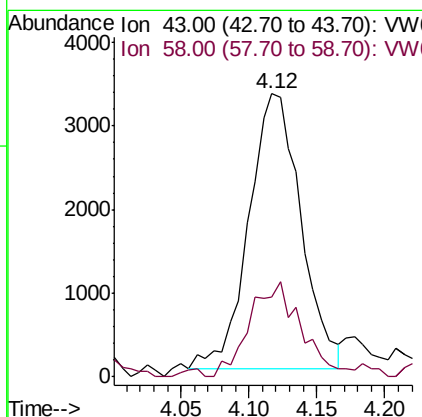
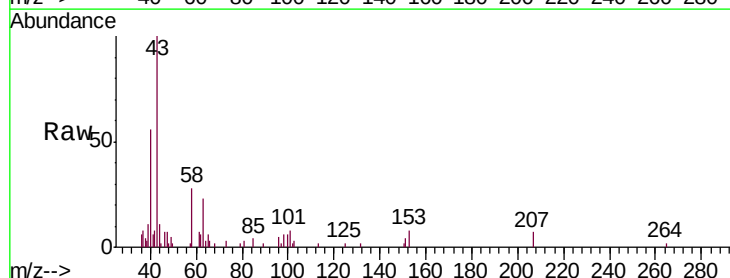
Instrument :
 MSVOA_W
 ClientSampleId :
 BF1K1

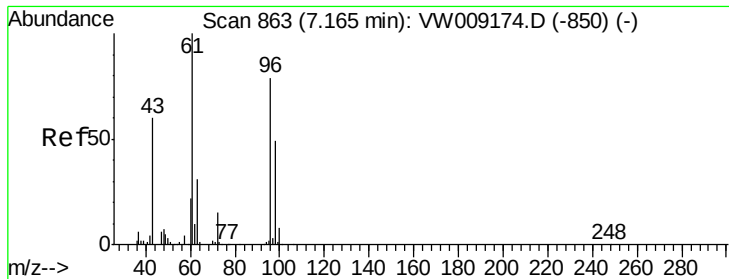
Tgt Ion: 96 Resp: 6578
 Ion Ratio Lower Upper
 96 100
 61 381.6 129.4 240.2#
 63 1816.1 116.8 217.0#



#13
 Acetone
 Concen: 5.030 ug/L
 RT: 4.12 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VW009187.D
 Acq: 14 Mar 2019 23:11

Tgt Ion: 43 Resp: 8796
 Ion Ratio Lower Upper
 43 100
 58 21.5 0.0 56.2



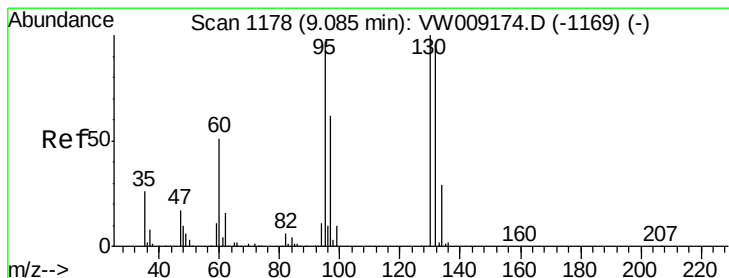
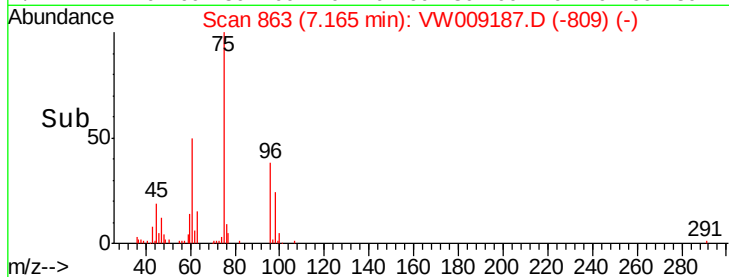
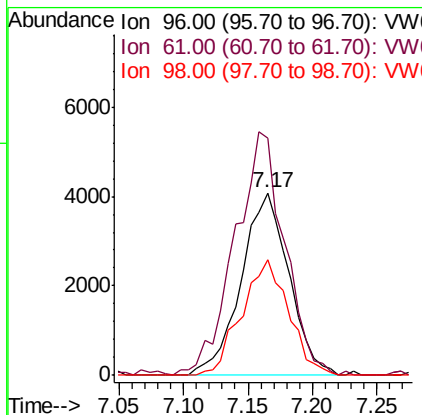
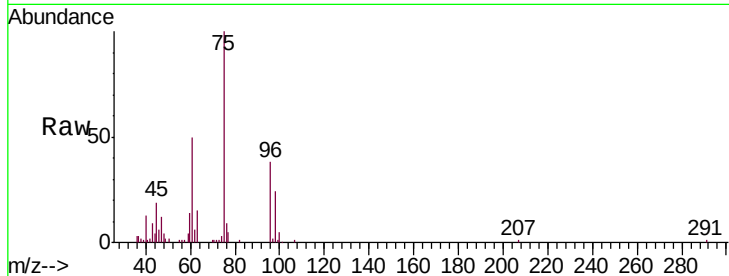


#22

cis-1,2-Dichloroethene
 Concen: 1.736 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009187.D
 Acq: 14 Mar 2019 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 BF1K1

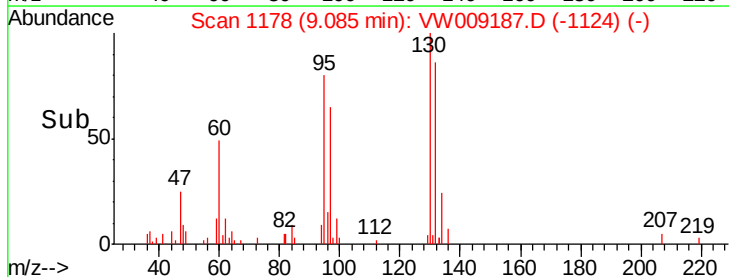
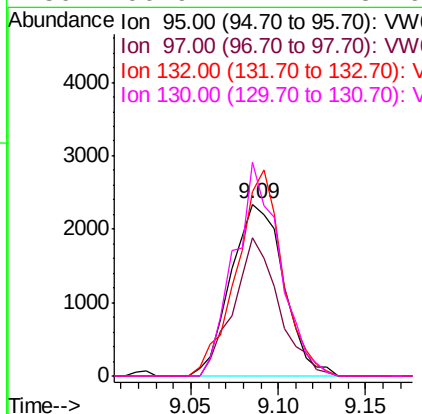
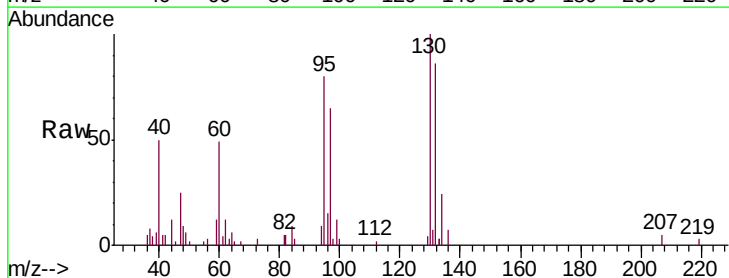
Tgt Ion: 96 Resp: 10507
 Ion Ratio Lower Upper
 96 100
 61 130.4 90.6 168.3
 98 63.4 44.0 81.8

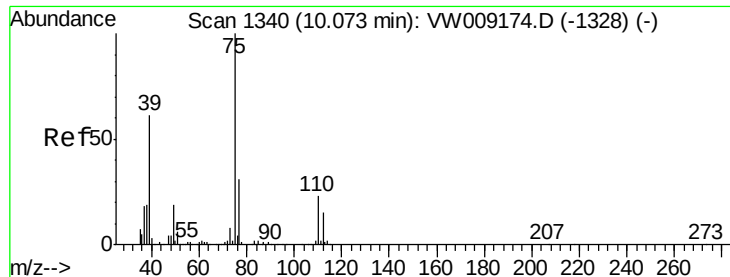


#35

Trichloroethene
 Concen: 0.811 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW009187.D
 Acq: 14 Mar 2019 23:11

Tgt Ion: 95 Resp: 4898
 Ion Ratio Lower Upper
 95 100
 97 69.1 44.7 82.9
 132 104.5 69.0 128.2
 130 106.9 72.7 134.9





#42

cis-1,3-Dichloropropene

Concen: 0.643 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009187.D

Acq: 14 Mar 2019 23:11

Instrument :

MSVOA_W

ClientSampleId :

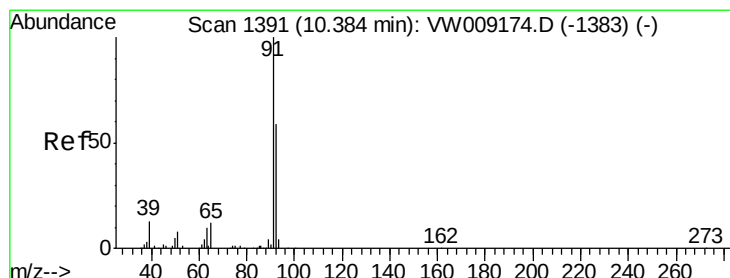
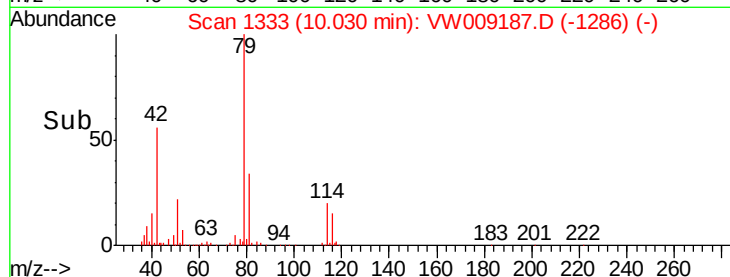
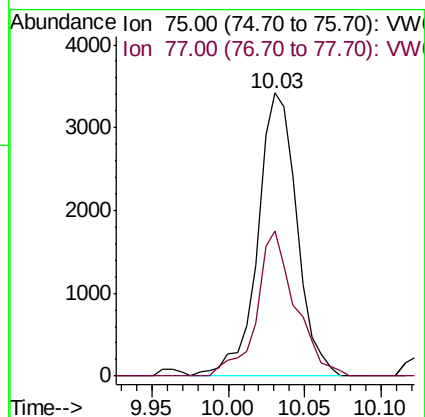
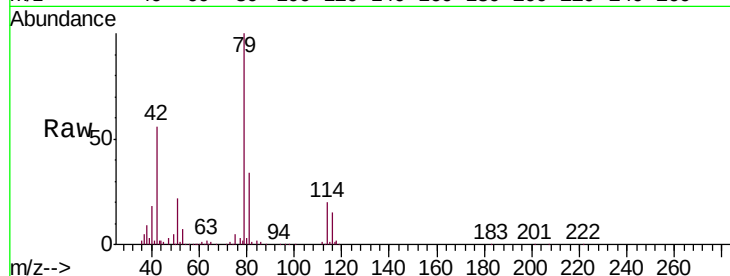
BF1K1

Tgt Ion: 75 Resp: 6093

Ion Ratio Lower Upper

75 100

77 51.1 21.6 40.2#



#44

Toluene

Concen: 0.797 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009187.D

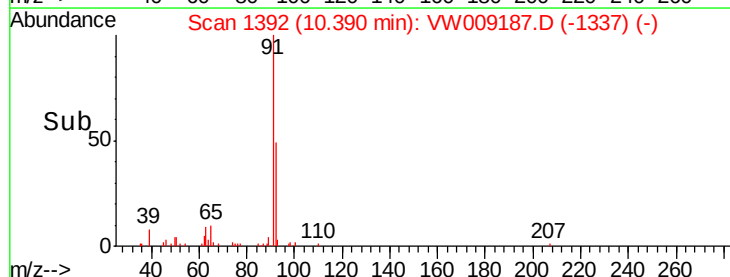
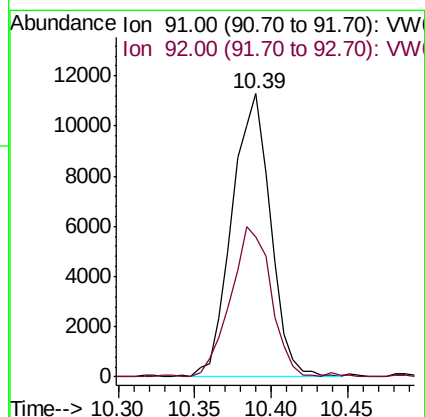
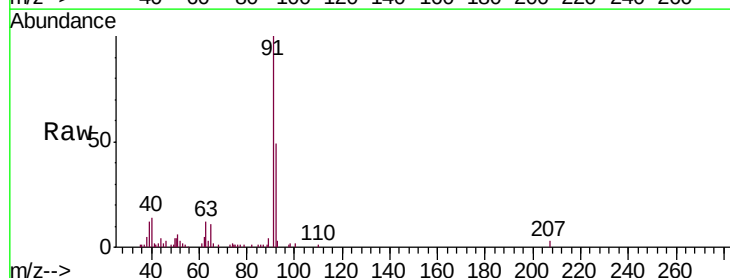
Acq: 14 Mar 2019 23:11

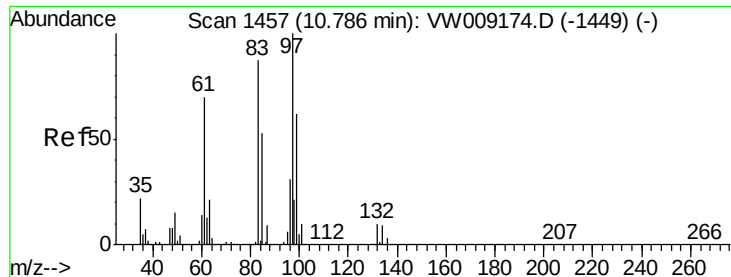
Tgt Ion: 91 Resp: 19759

Ion Ratio Lower Upper

91 100

92 49.4 39.8 73.8





#46

1,1,2-Trichloroethane

Concen: 1.231 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.07 min

Lab File: VW009187.D

Acq: 14 Mar 2019 23:11

Instrument :

MSVOA_W

ClientSampleId :

BF1K1

Tgt Ion: 97 Resp: 5713

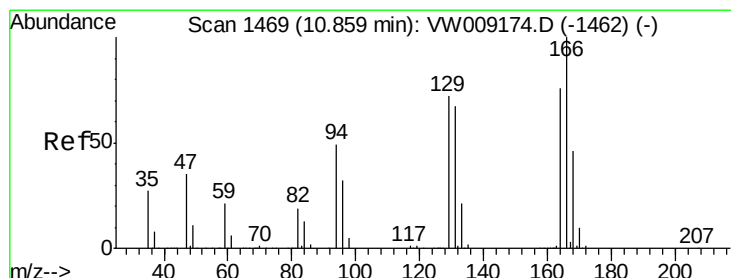
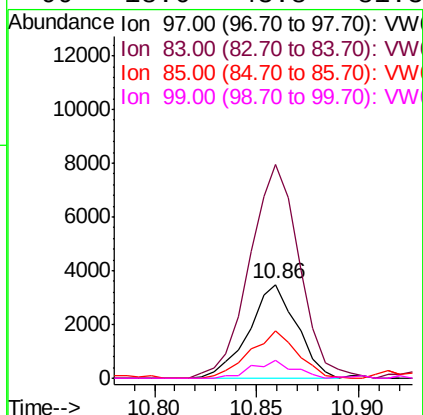
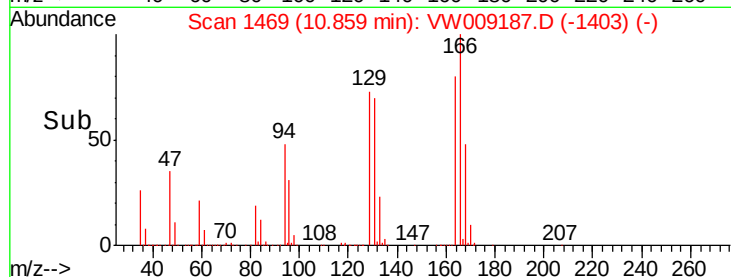
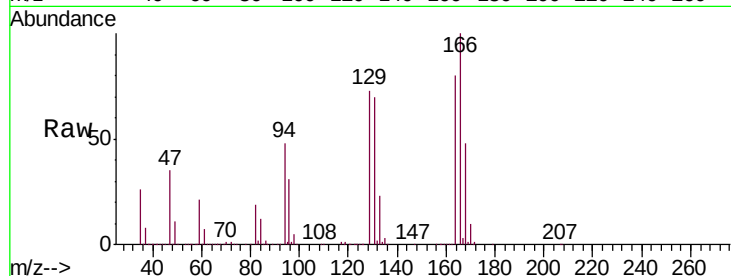
Ion Ratio Lower Upper

97 100

83 227.4 60.7 112.7#

85 49.9 40.1 74.5

99 18.6 43.8 81.3#



#47

Tetrachloroethene

Concen: 122.894 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009187.D

Acq: 14 Mar 2019 23:11

Tgt Ion: 164 Resp: 627311

Ion Ratio Lower Upper

164 100

129 91.8 66.5 123.5

131 87.4 62.6 116.3

166 125.7 91.6 170.0

