

Data File : VW007999.D
Acq On : 28 Dec 2018 12:12
Operator : SY/AP
Sample : J6507-11
Misc : 5.05G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VHBLK01

Quant Time: Dec 28 22:38:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 28 22:34:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	85837	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	79330	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	38423	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	18859	22.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.16%
7) Chloroethane-d5	2.90	69	13516	23.72	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.88%
10) 1,1-Dichloroethene-d2	4.01	63	38167	16.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.68%
20) 2-Butanone-d5	7.07	46	17944	49.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.48%
24) Chloroform-d	7.65	84	51338	22.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.92%
26) 1,2-Dichloroethane-d4	8.31	65	32322	23.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.44%
29) Benzene-d6	8.27	84	96416	21.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.68%
33) 1,2-Dichloropropane-d6	9.27	67	25586	21.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.56%
37) Toluene-d8	10.32	98	91632	21.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.56%
38) trans-1,3-Dichloropropene-	10.58	79	14958	21.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.12%
39) 2-Hexanone-d5	10.93	63	14935	48.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	27455	23.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	35975	23.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.72%

Target Compounds

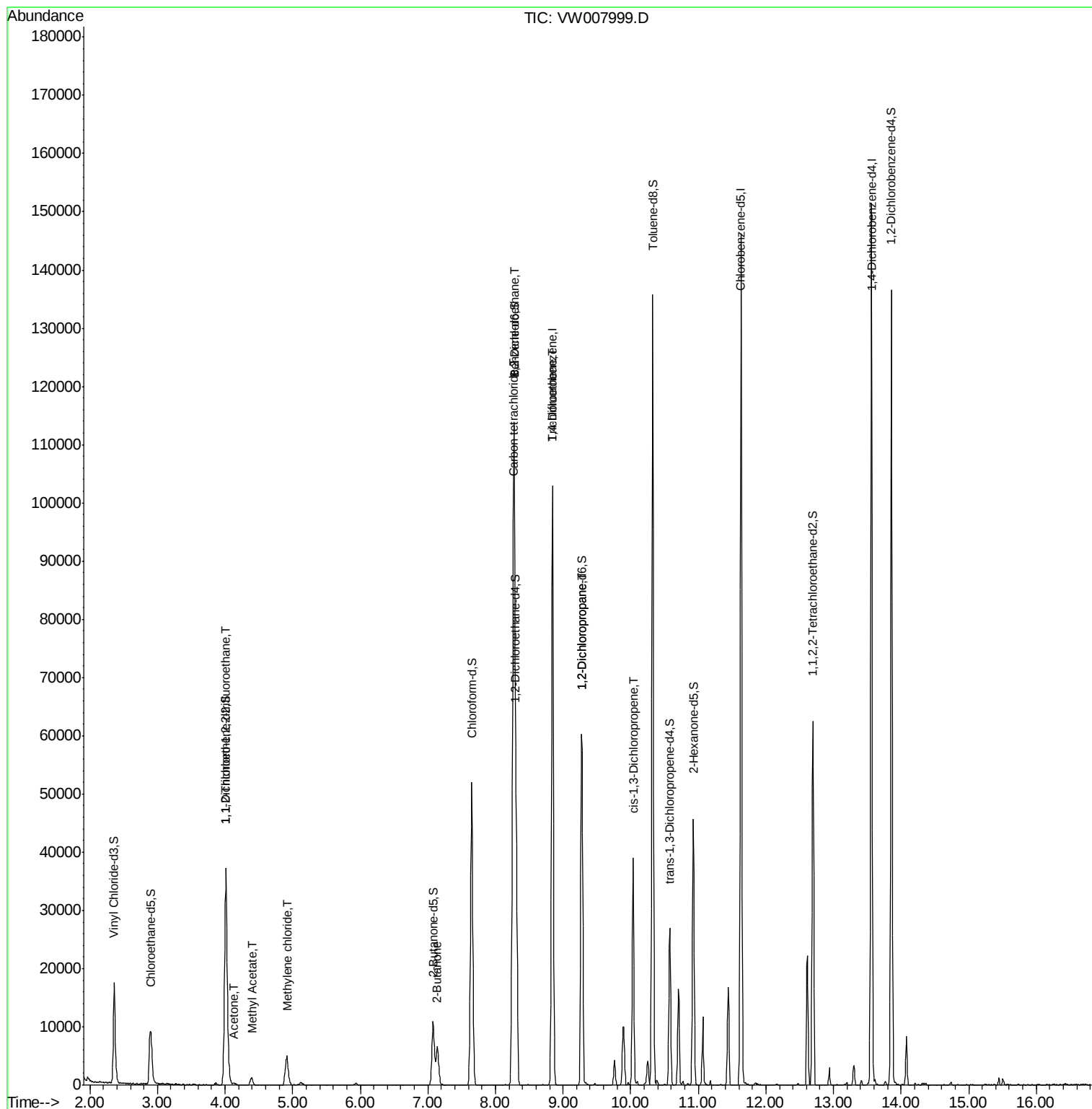
					Qvalue	
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	345	0.318	ug/L #	18
13) Acetone	4.12	43	457	1.297	ug/L	66
15) Methyl Acetate	4.40	43	659	1.229	ug/L #	50
16) Methylene chloride	4.92	84	4251	3.061	ug/L	91
21) 2-Butanone	7.15	43	296	0.738	ug/L #	46
27) 1,2-Dichloroethane	8.27	62	838	0.567	ug/L #	80
32) Carbon tetrachloride	8.26	117	662	0.363	ug/L #	10
35) Trichloroethene	8.85	95	2862	2.321	ug/L #	5
40) 1,2-Dichloropropane	9.27	63	3338	3.345	ug/L #	86
42) cis-1,3-Dichloropropene	10.03	75	1016	0.583	ug/L	84

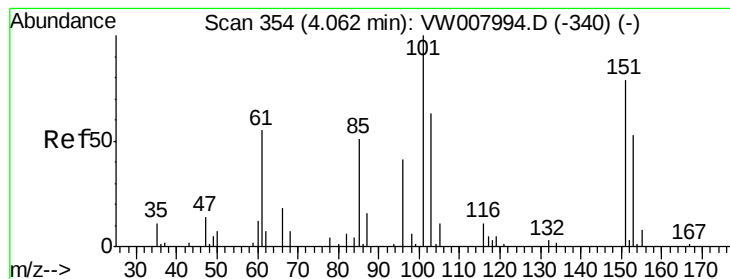
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.318 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.05 min

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Instrument :

MSVOA_W

ClientSampleId :

VHBLK01

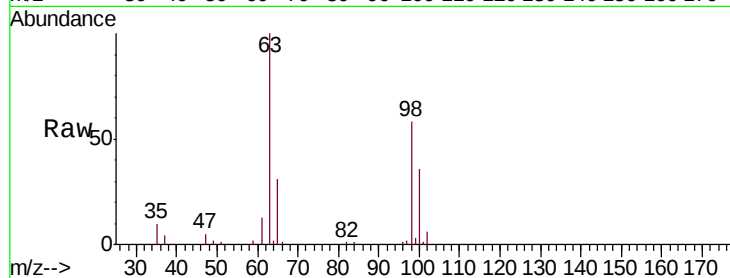
Tgt Ion: 101 Resp: 345

Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.2#

151 0.0 63.2 94.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V

250

200

150

100

50

0

4.00

4.01

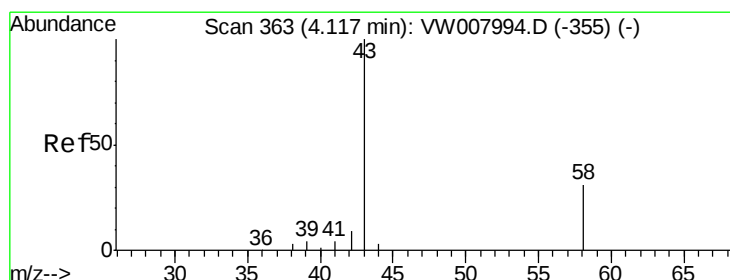
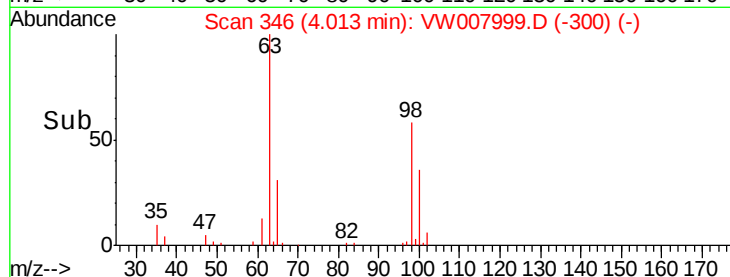
4.02

4.03

4.04

4.05

Time-->



#13

Acetone

Concen: 1.297 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007999.D

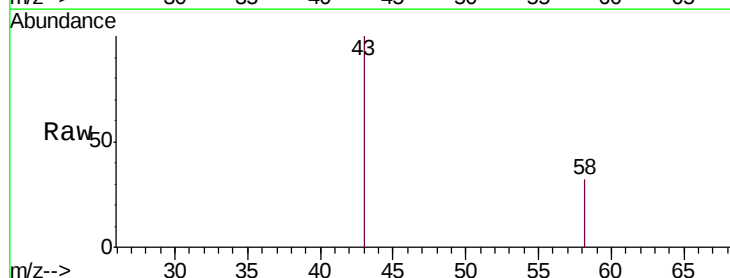
Acq: 28 Dec 2018 12:12

Tgt Ion: 43 Resp: 457

Ion Ratio Lower Upper

43 100

58 11.2 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

200

150

100

50

0

4.10

4.11

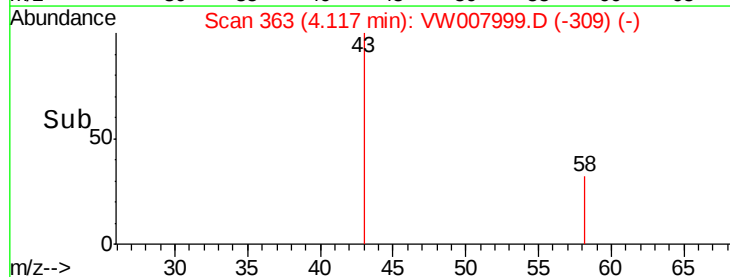
4.12

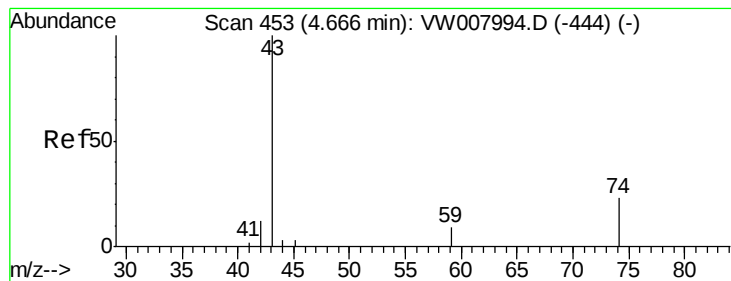
4.13

4.14

4.15

Time-->





#15

Methyl Acetate

Concen: 1.229 ug/L

RT: 4.40 min Scan# 409

Delta R.T. -0.27 min

Lab File: VW007999.D

Acq: 28 Dec 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

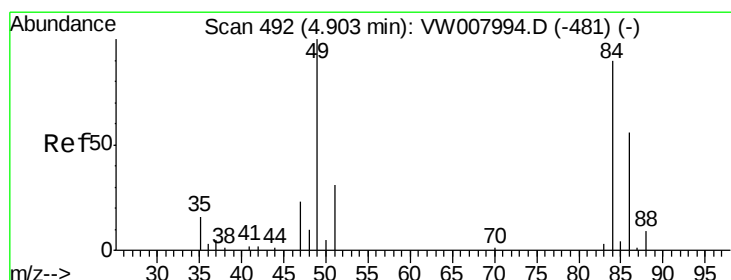
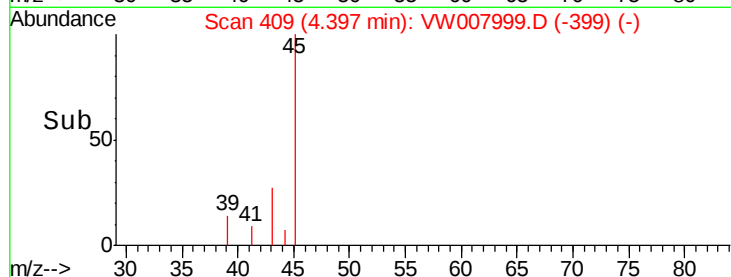
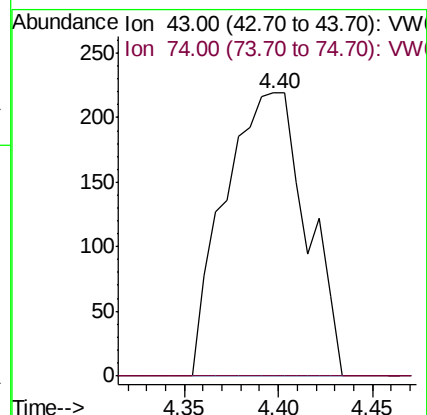
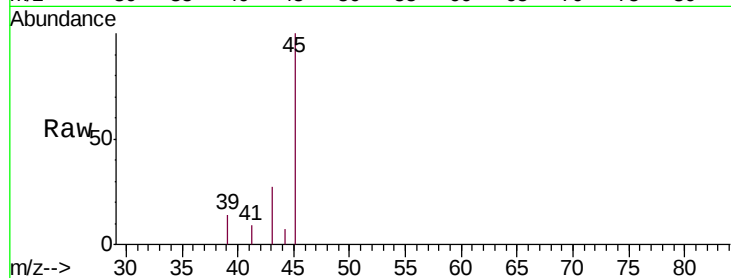
VHBLK01

Tgt Ion: 43 Resp: 659

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#



#16

Methylene chloride

Concen: 3.061 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007999.D

Acq: 28 Dec 2018 12:12

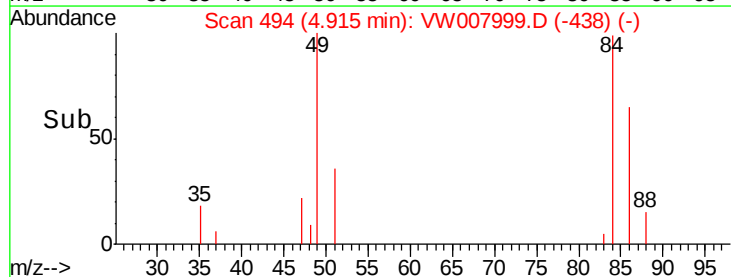
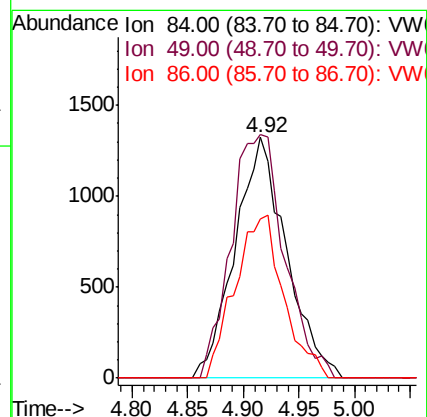
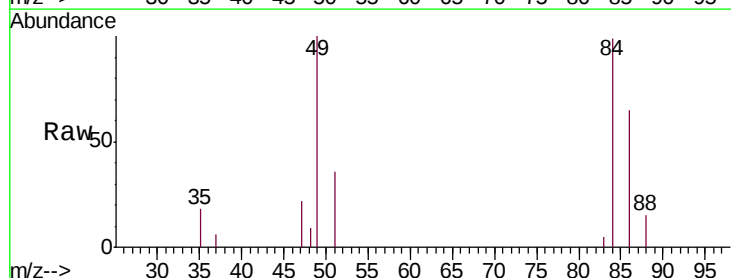
Tgt Ion: 84 Resp: 4251

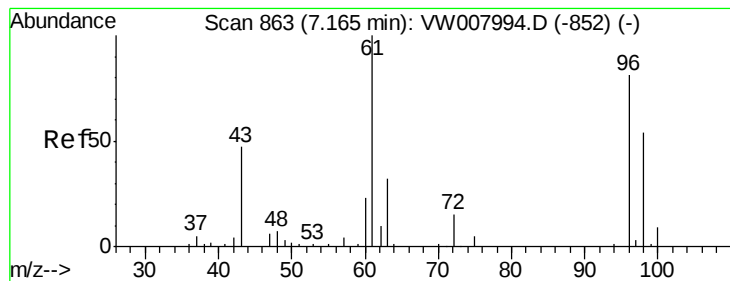
Ion Ratio Lower Upper

84 100

49 101.1 79.2 147.0

86 65.9 43.2 80.2





#21

2-Butanone

Concen: 0.738 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW007999.D

Acq: 28 Dec 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

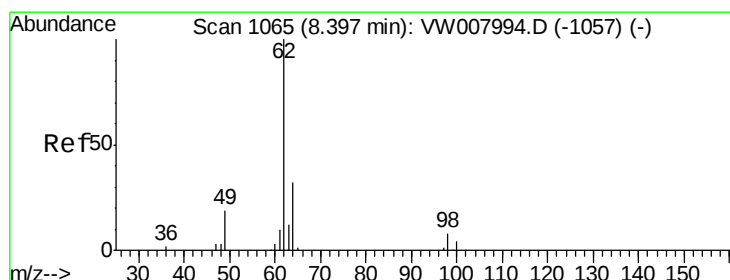
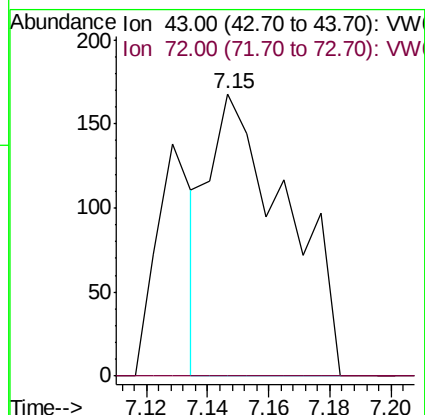
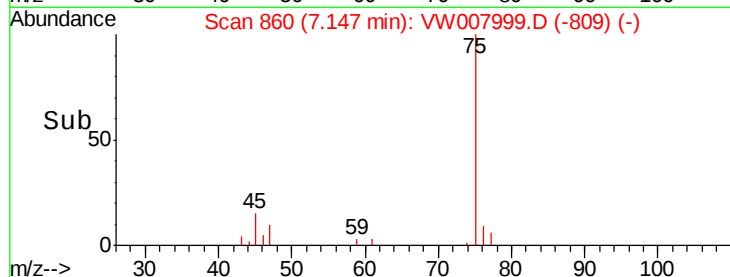
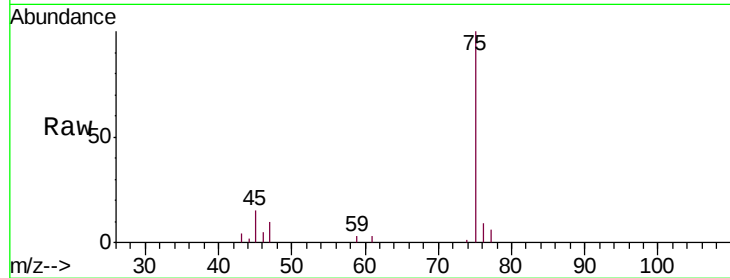
VHBLK01

Tgt Ion: 43 Resp: 296

Ion Ratio Lower Upper

43 100

72 0.0 14.4 43.4#



#27

1,2-Dichloroethane

Concen: 0.567 ug/L

RT: 8.27 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW007999.D

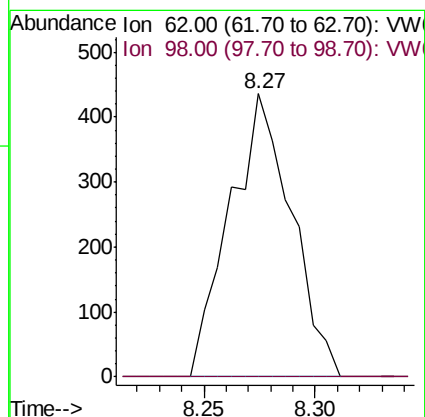
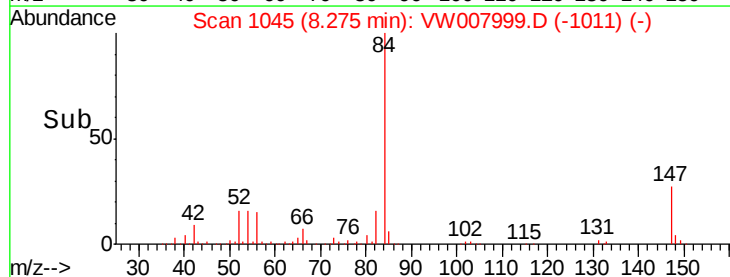
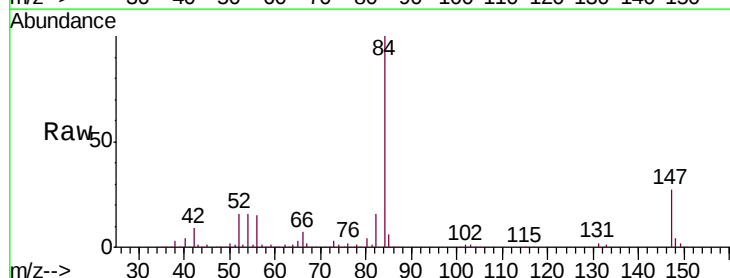
Acq: 28 Dec 2018 12:12

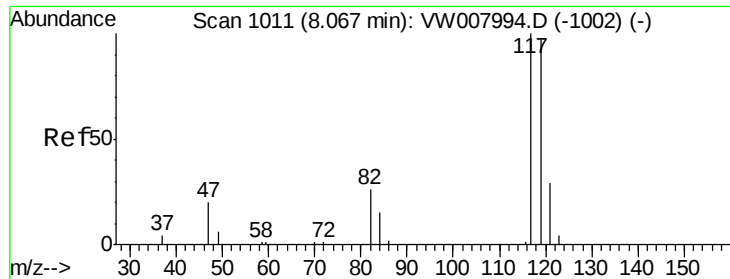
Tgt Ion: 62 Resp: 838

Ion Ratio Lower Upper

62 100

98 0.0 5.4 8.2#





#32

Carbon tetrachloride

Concen: 0.363 ug/L

RT: 8.26 min Scan# 1042

Delta R.T. 0.19 min

Lab File: VW007999.D

Acq: 28 Dec 2018 12:12

Instrument :

MSVOA_W

ClientSampleId :

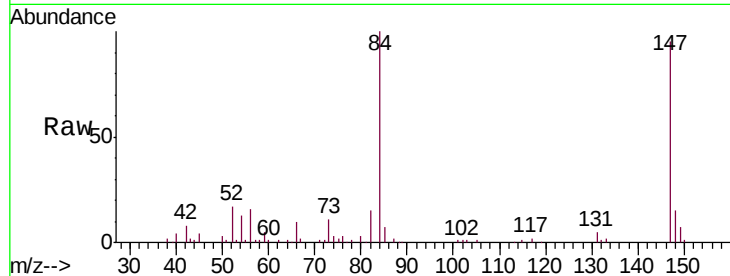
VHBLK01

Tgt Ion: 117 Resp: 662

Ion Ratio Lower Upper

117 100

119 7.6 76.0 114.0#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.26

300

200

100

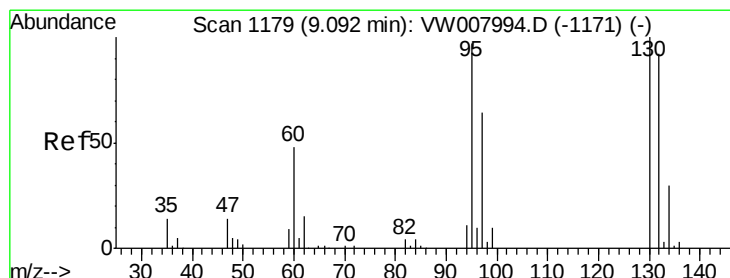
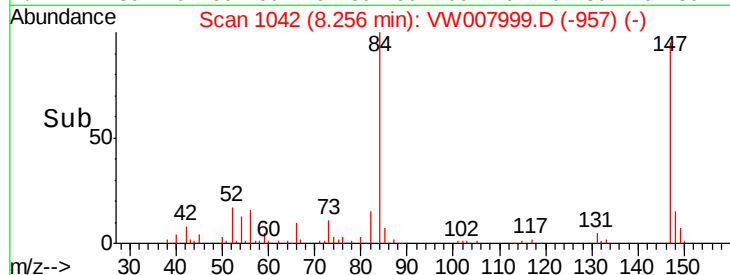
0

Time-->

8.20

8.25

8.30



#35

Trichloroethene

Concen: 2.321 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW007999.D

Acq: 28 Dec 2018 12:12

Tgt Ion: 95 Resp: 2862

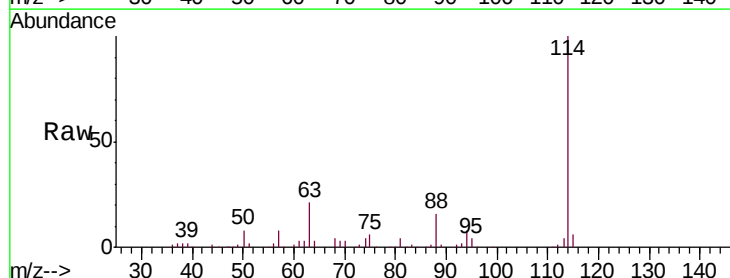
Ion Ratio Lower Upper

95 100

97 0.0 44.4 82.5#

132 0.0 67.8 126.0#

130 0.0 70.3 130.7#



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

2000

1500

1000

500

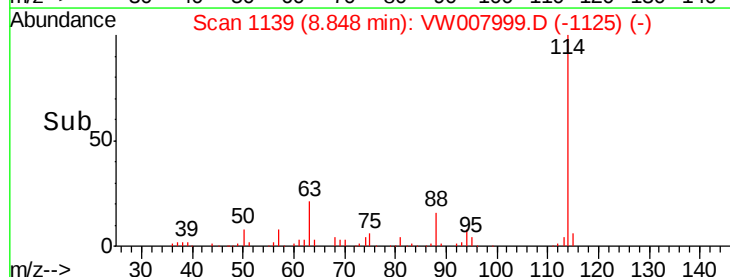
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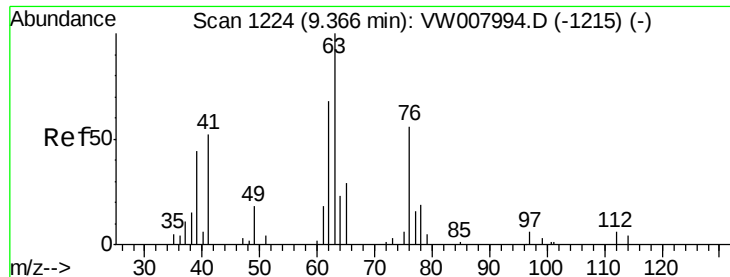
Time-->

8.80

8.85

8.90

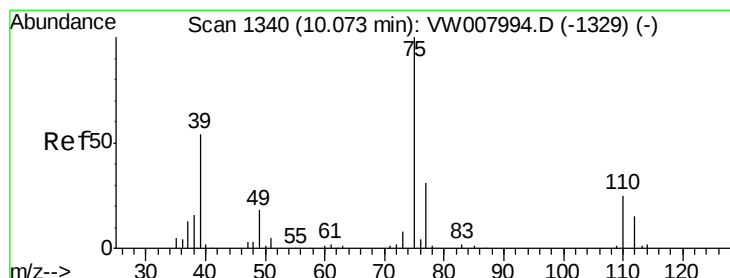
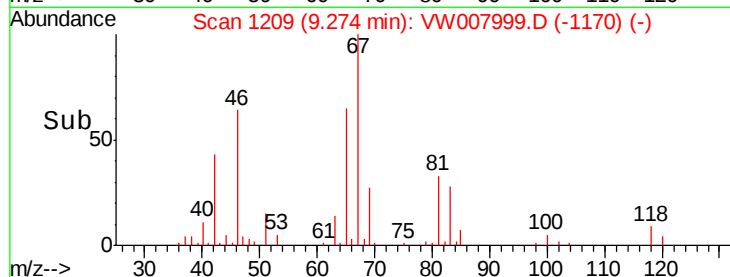
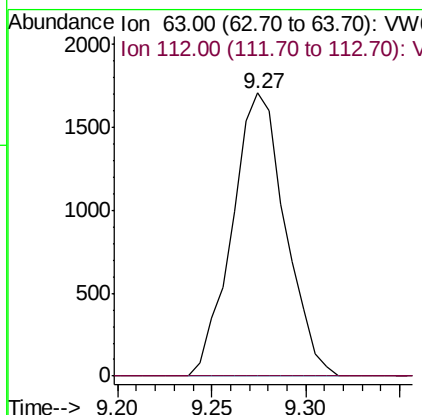
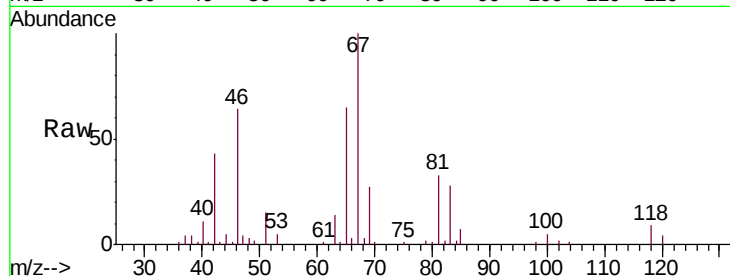




#40
 1,2-Dichloropropane
 Concen: 3.345 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.09 min
 Lab File: VW007999.D
 Acq: 28 Dec 2018 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VHBLK01

Tgt Ion: 63 Resp: 3338
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#42
 cis-1,3-Dichloropropene
 Concen: 0.583 ug/L
 RT: 10.03 min Scan# 1333
 Delta R.T. -0.04 min
 Lab File: VW007999.D
 Acq: 28 Dec 2018 12:12

Tgt Ion: 75 Resp: 1016
 Ion Ratio Lower Upper
 75 100
 77 42.0 23.0 42.8

