

Data File : VW007965.D
Acq On : 27 Dec 2018 13:15
Operator : SY/AP
Sample : VIBLK90
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK90

Quant Time: Dec 28 04:05:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 28 04:01:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	90684	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	81793	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	40148	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	18515	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.88%
7) Chloroethane-d5	2.90	69	13201	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.68%
10) 1,1-Dichloroethene-d2	4.01	63	39326	16.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.00%
20) 2-Butanone-d5	7.08	46	17169	45.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.10%
24) Chloroform-d	7.65	84	50165	20.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.16%
26) 1,2-Dichloroethane-d4	8.31	65	32173	22.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.96%
29) Benzene-d6	8.27	84	99596	21.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.84%
33) 1,2-Dichloropropane-d6	9.27	67	26866	21.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.12%
37) Toluene-d8	10.32	98	96339	21.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.24%
38) trans-1,3-Dichloropropene-	10.58	79	15072	21.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.16%
39) 2-Hexanone-d5	10.93	63	14159	44.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	26615	22.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	35186	21.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.80%

Target Compounds

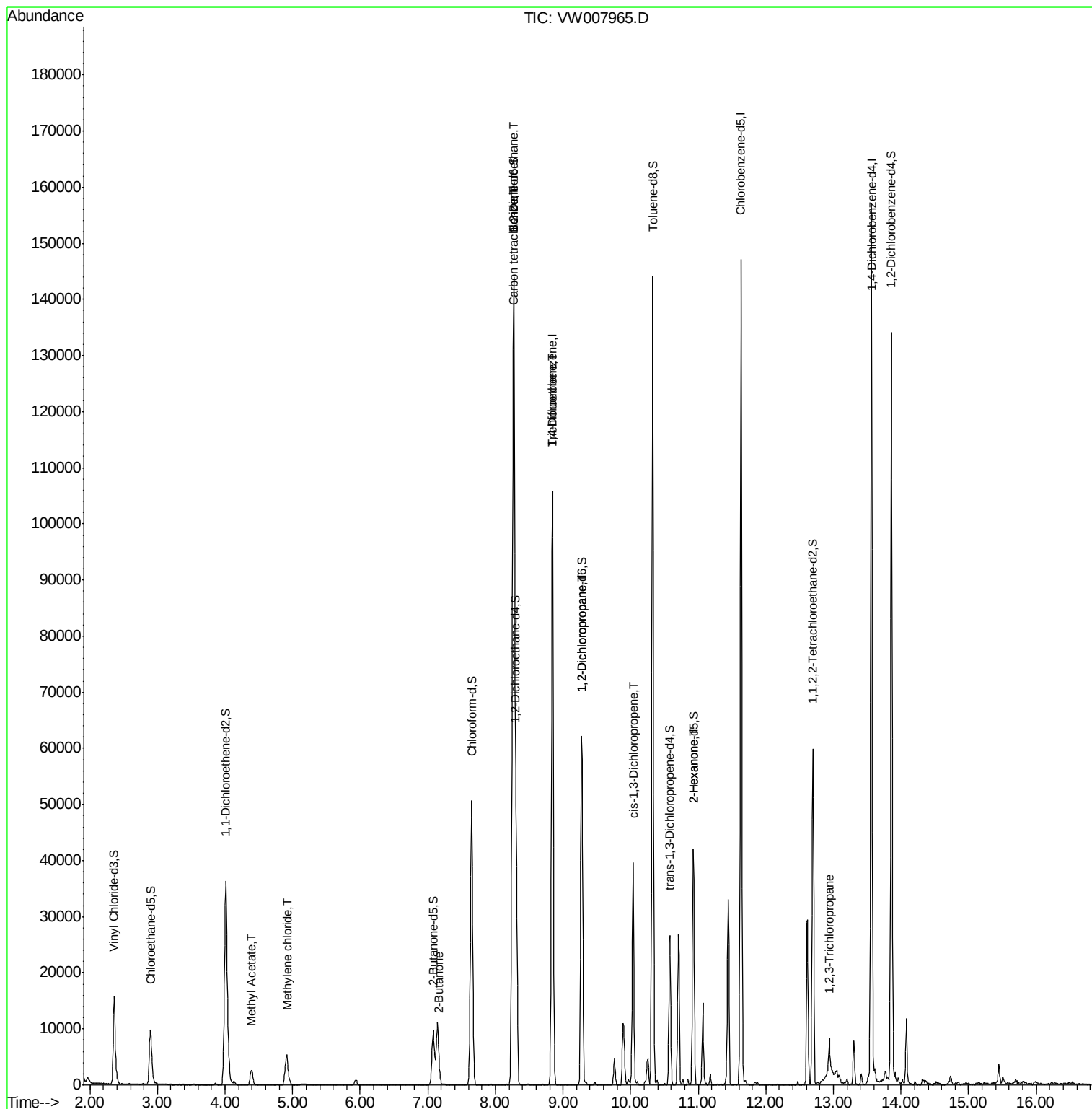
					Qvalue
15) Methyl Acetate	4.39	43	469	0.828 ug/L #	50
16) Methylene chloride	4.91	84	4564	3.110 ug/L	90
21) 2-Butanone	7.17	43	245	0.578 ug/L #	46
27) 1,2-Dichloroethane	8.27	62	633	0.405 ug/L #	80
32) Carbon tetrachloride	8.26	117	1007	0.535 ug/L #	28
35) Trichloroethene	8.84	95	2862	2.251 ug/L #	5
40) 1,2-Dichloropropane	9.27	63	3580	3.480 ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	965	0.537 ug/L #	50
49) 2-Hexanone	10.93	43	1837	3.127 ug/L #	64
59) 1,2,3-Trichloropropane	12.93	75	473	0.545 ug/L #	43

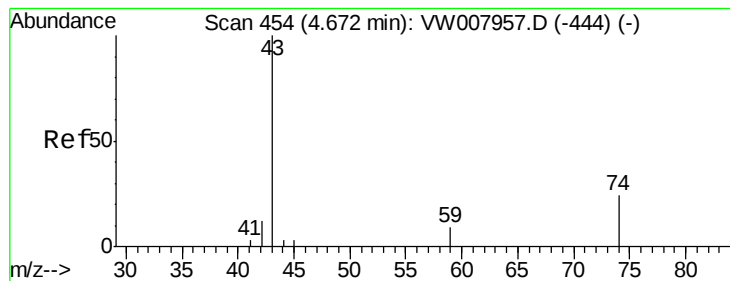
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#15

Methyl Acetate

Concen: 0.828 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.29 min

Lab File: VW007965.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_W

ClientSampled :

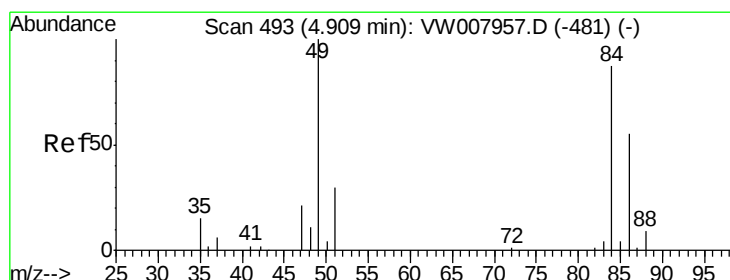
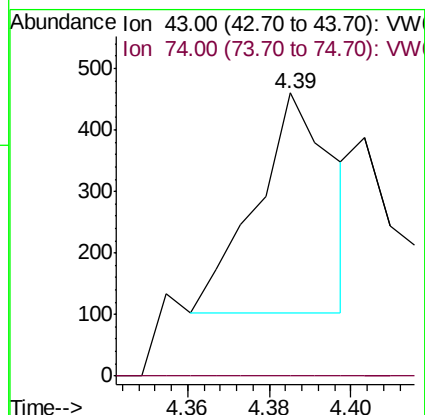
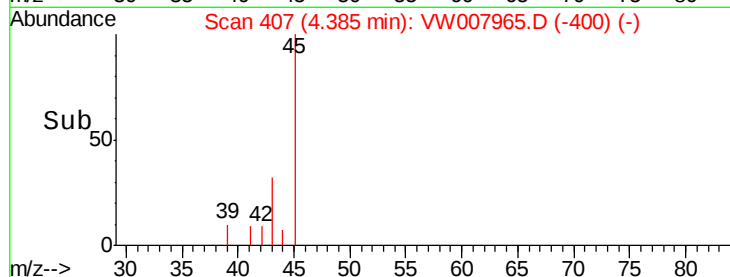
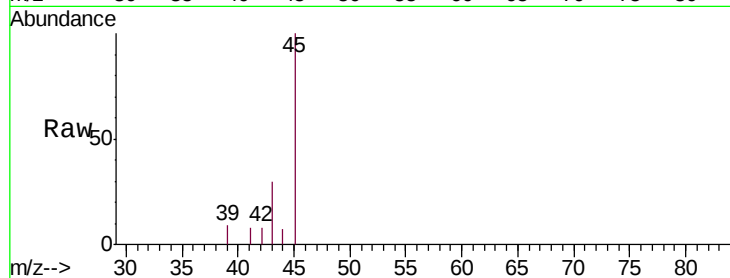
VIBLK90

Tgt Ion: 43 Resp: 469

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#



#16

Methylene chloride

Concen: 3.110 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007965.D

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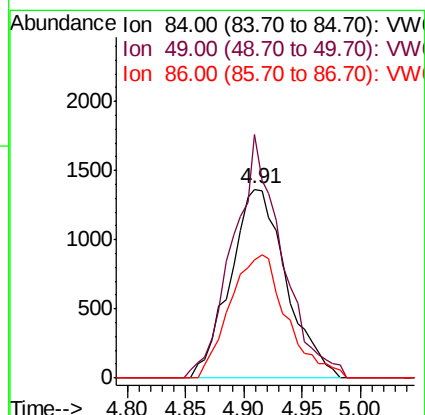
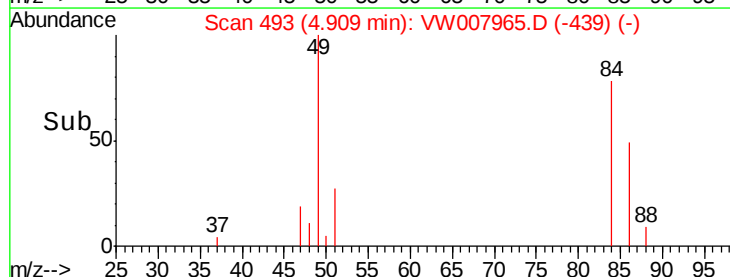
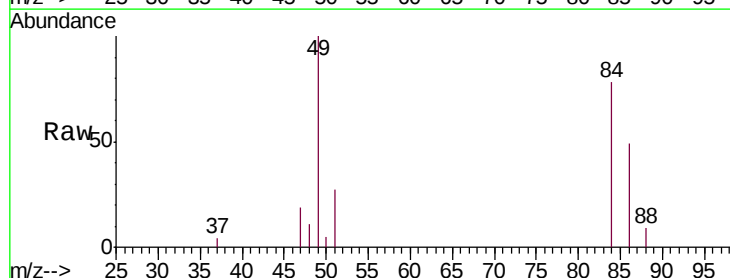
Tgt Ion: 84 Resp: 4564

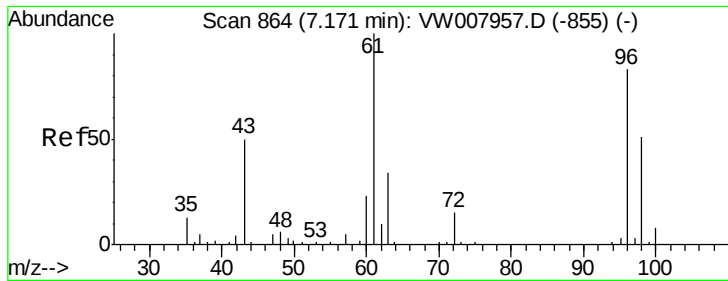
Ion Ratio Lower Upper

84 100

49 128.7 79.2 147.0

86 62.6 43.2 80.2





#21

2-Butanone

Concen: 0.578 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007965.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_W

ClientSampleId :

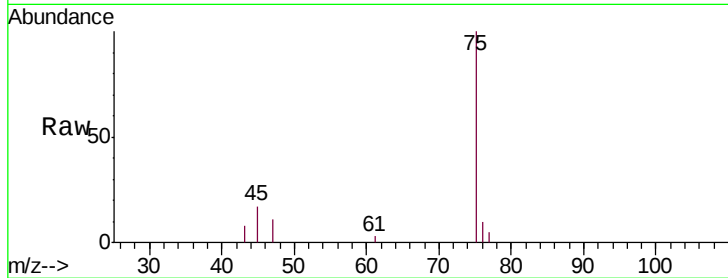
VIBLK90

Tgt Ion: 43 Resp: 245

Ion Ratio Lower Upper

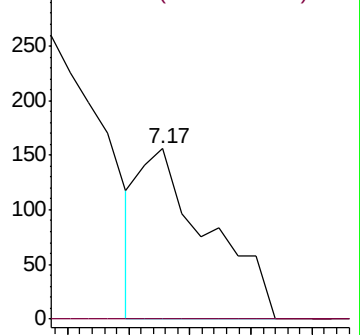
43 100

72 0.0 14.4 43.4#

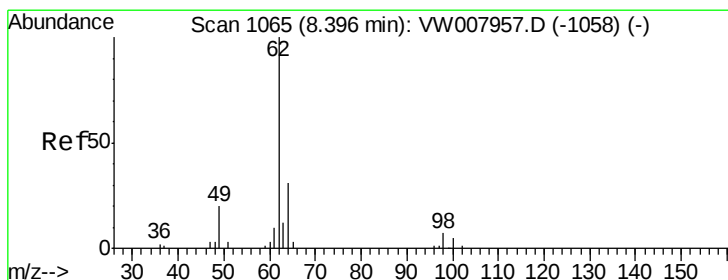
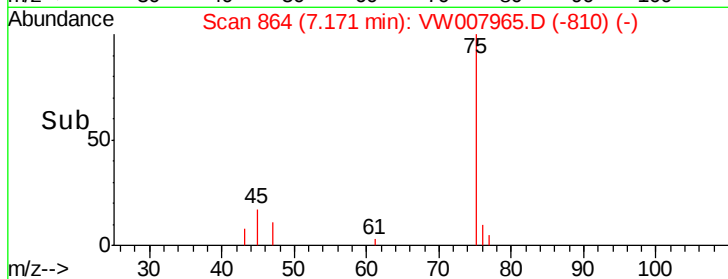


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#27

1,2-Dichloroethane

Concen: 0.405 ug/L

RT: 8.27 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW007965.D

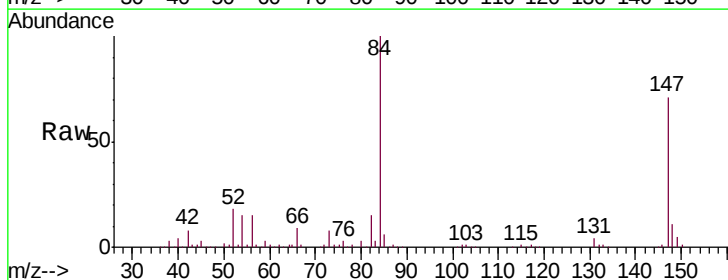
Acq: 27 Dec 2018 13:15

Tgt Ion: 62 Resp: 633

Ion Ratio Lower Upper

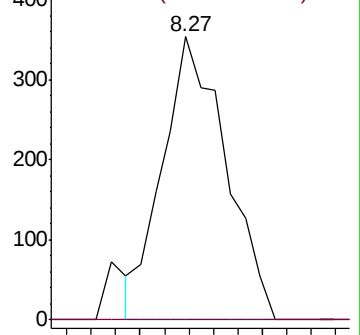
62 100

98 0.0 5.4 8.2#

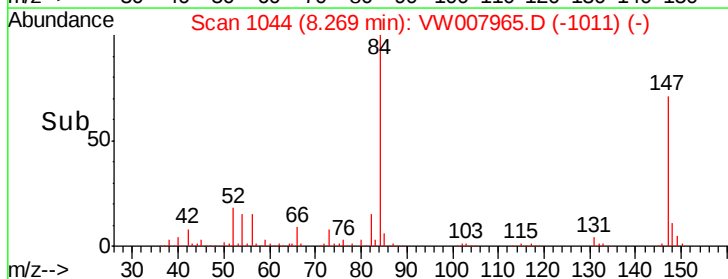


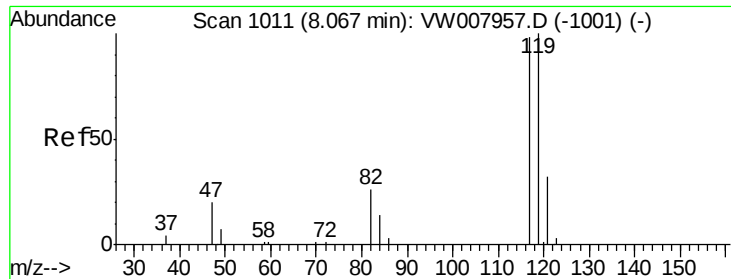
Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW



Time-->





#32

Carbon tetrachloride

Concen: 0.535 ug/L

RT: 8.26 min Scan# 1042

Delta R.T. 0.19 min

Lab File: VW007965.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_W

ClientSampleId :

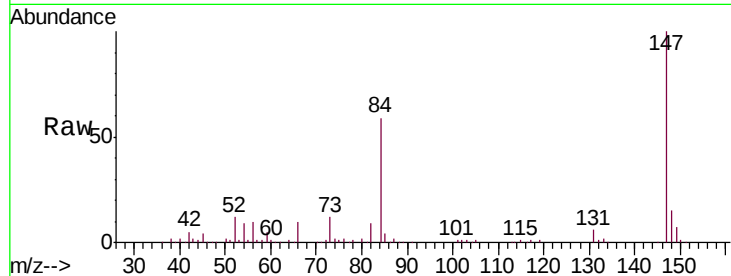
VIBLK90

Tgt Ion:117 Resp: 1007

Ion Ratio Lower Upper

117 100

119 24.8 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

400

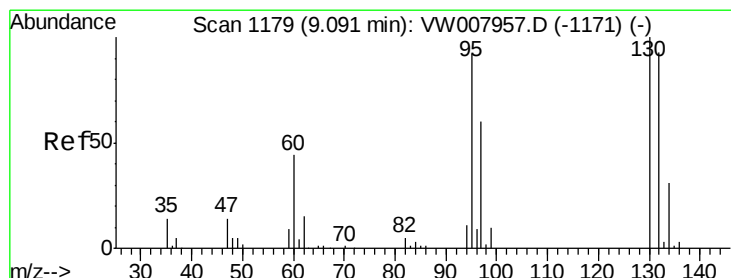
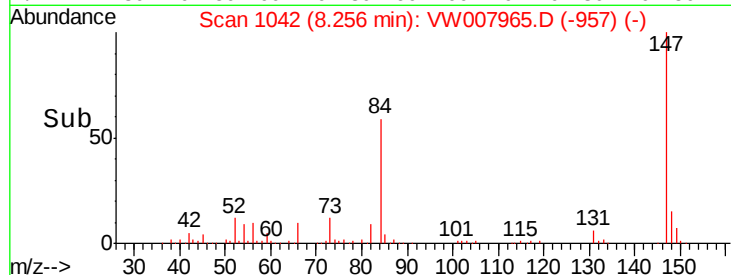
300

200

100

0

Time-->



#35

Trichloroethene

Concen: 2.251 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW007965.D

Acq: 27 Dec 2018 13:15

Tgt Ion: 95 Resp: 2862

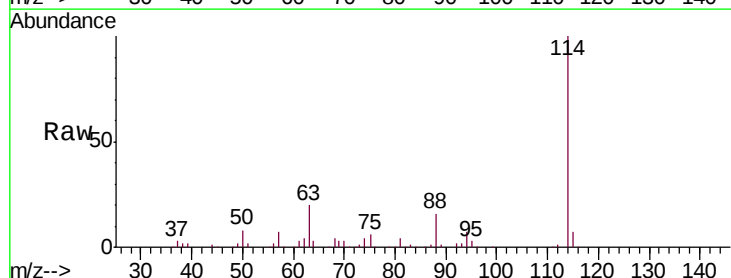
Ion Ratio Lower Upper

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): V

Ion 130.00 (129.70 to 130.70): V

2000

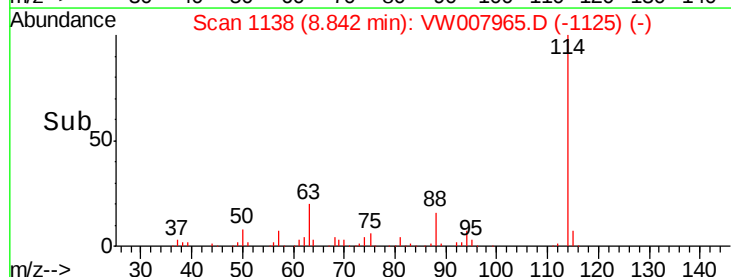
1500

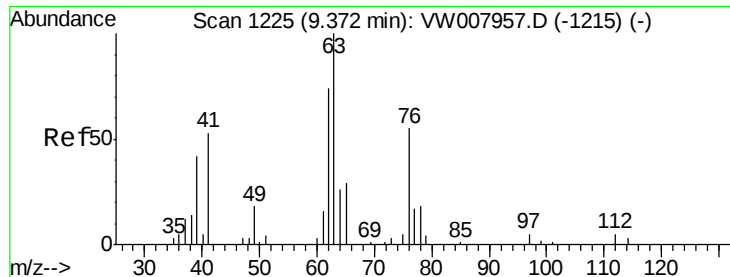
1000

500

0

Time-->

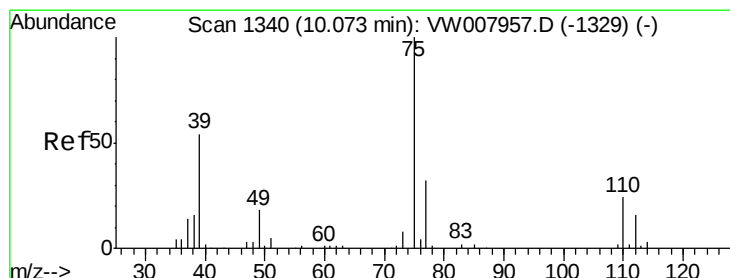
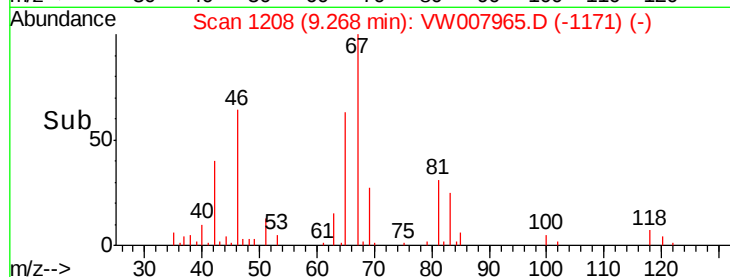
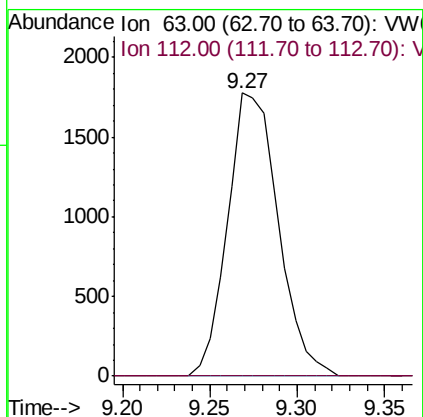
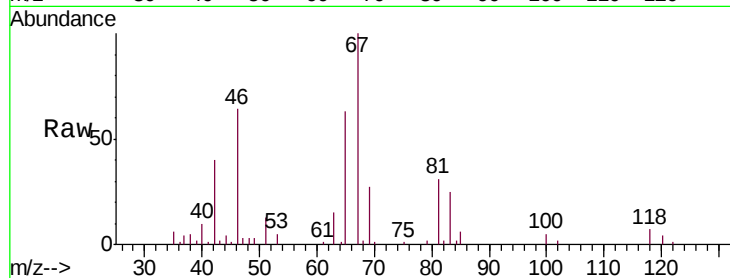




#40
 1,2-Dichloropropane
 Concen: 3.480 ug/L
 RT: 9.27 min Scan# 1208
 Delta R.T. -0.10 min
 Lab File: VW007965.D
 Acq: 27 Dec 2018 13:15

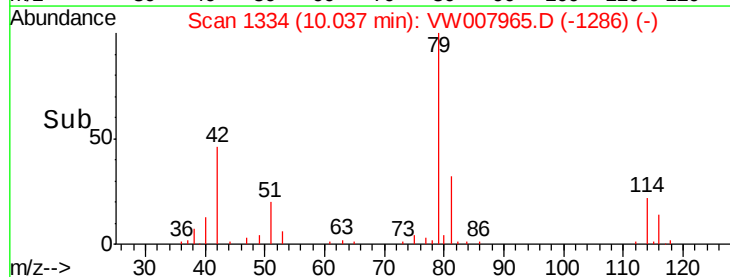
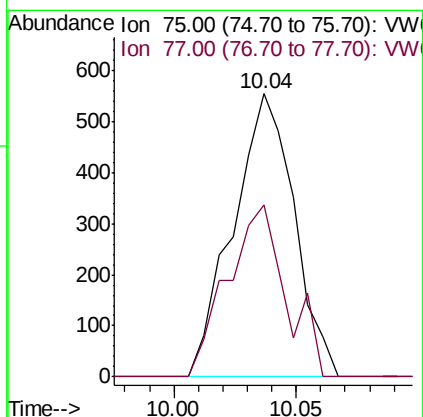
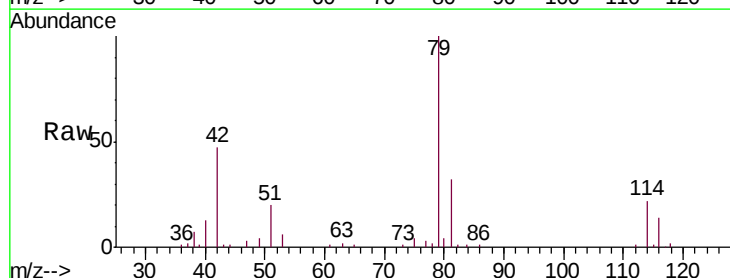
Instrument :
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 ClientSampleId :
 VIBLK90

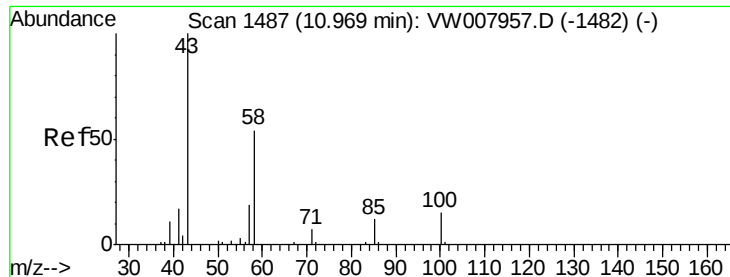
Tgt Ion: 63 Resp: 3580
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#42
 cis-1,3-Dichloropropene
 Concen: 0.537 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW007965.D
 Acq: 27 Dec 2018 13:15

Tgt Ion: 75 Resp: 965
 Ion Ratio Lower Upper
 75 100
 77 60.9 23.0 42.8#





#49

2-Hexanone

Concen: 3.127 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW007965.D

Acq: 27 Dec 2018 13:15

Instrument :

MSVOA_W

ClientSampleId :

VIBLK90

Tgt Ion: 43 Resp: 1837

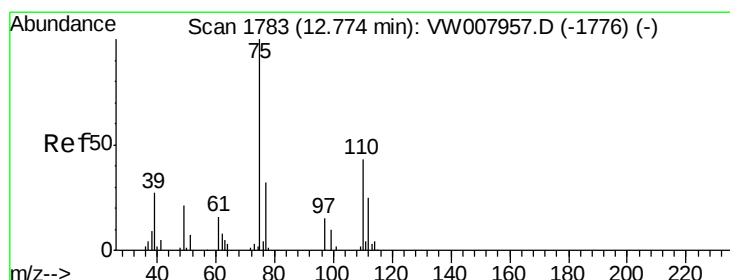
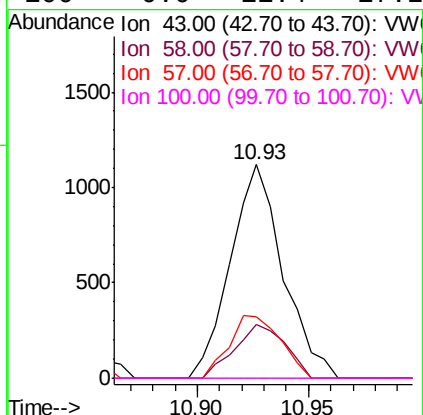
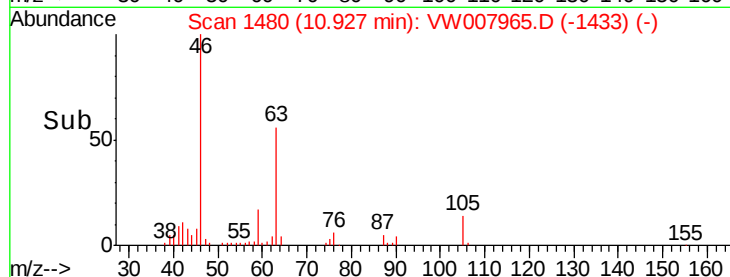
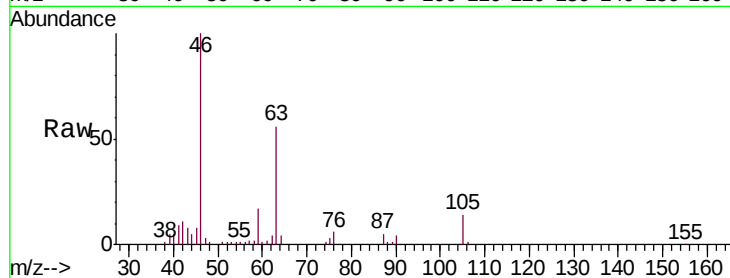
Ion Ratio Lower Upper

43 100

58 24.3 46.2 69.4#

57 28.5 17.9 26.9#

100 0.0 11.4 17.2#



#59

1,2,3-Trichloropropane

Concen: 0.545 ug/L

RT: 12.93 min Scan# 1809

Delta R.T. 0.16 min

Lab File: VW007965.D

Acq: 27 Dec 2018 13:15

Tgt Ion: 75 Resp: 473

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

