

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
 Data File : VW007954.D
 Acq On : 27 Dec 2018 06:45
 Operator : SY/AP
 Sample : J6507-01
 Misc : 5.46G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BEZX6

Quant Time: Dec 27 07:49:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 27 03:06:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	91161	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	63672	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	15300	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	22953	25.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.20%
7) Chloroethane-d5	2.90	69	15447	25.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.08%
10) 1,1-Dichloroethene-d2	4.01	63	45055	18.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.08%
20) 2-Butanone-d5	7.08	46	10721	27.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	55.96%
24) Chloroform-d	7.65	84	59539	24.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	8.31	65	38487	26.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.88%
29) Benzene-d6	8.27	84	110280	30.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	123.52%
33) 1,2-Dichloropropane-d6	9.27	67	30543	31.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	125.76%#
37) Toluene-d8	10.32	98	90383	25.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.92%
38) trans-1,3-Dichloropropene-	10.58	79	14987	26.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.48%
39) 2-Hexanone-d5	10.93	63	8981	36.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	20753	22.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	11534	18.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.64%#

Target Compounds

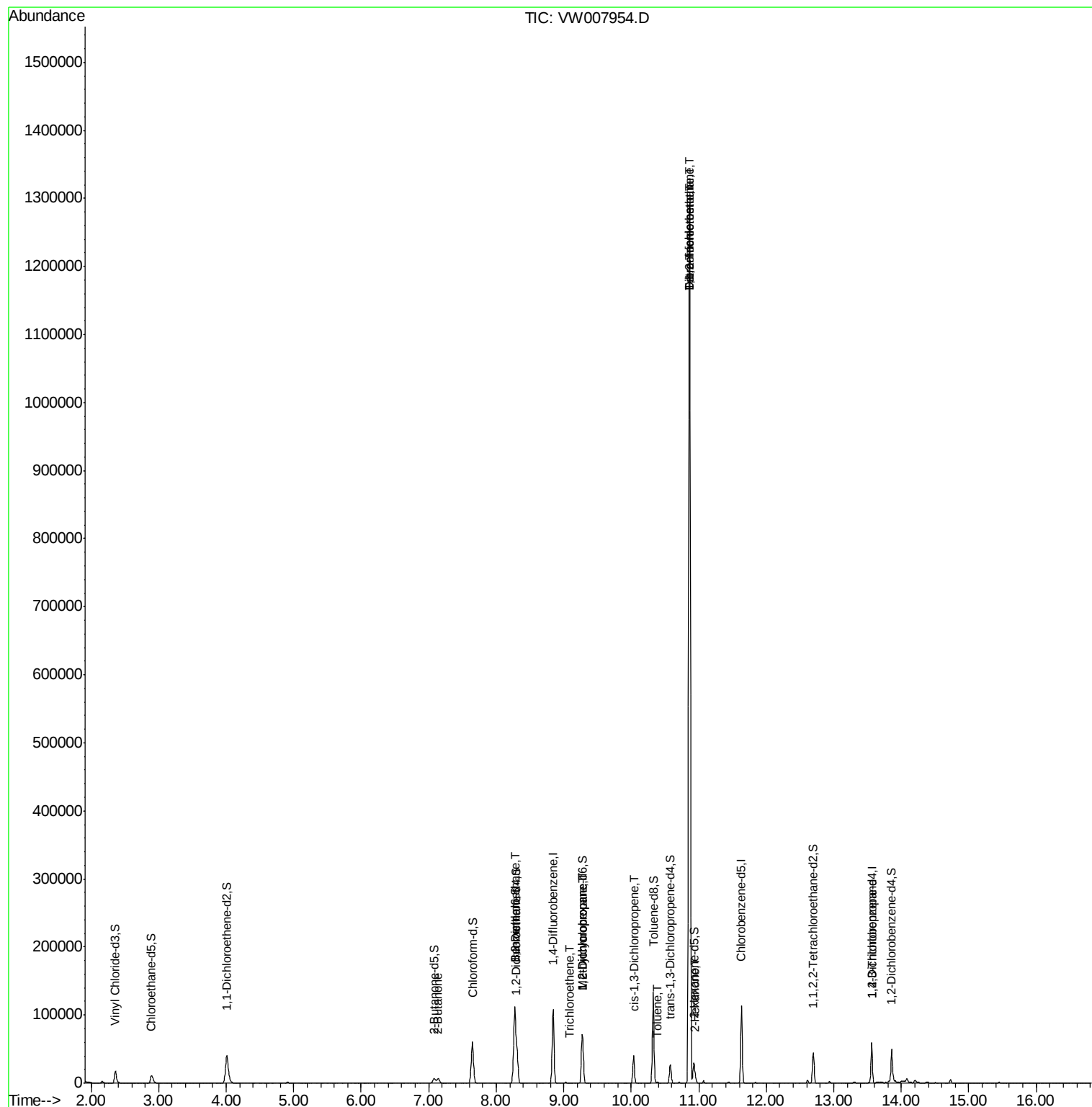
					Qvalue
21) 2-Butanone	7.14	43	2651	6.224 ug/L #	46
27) 1,2-Dichloroethane	8.27	62	823	0.524 ug/L #	80
35) Trichloroethene	9.10	95	324	0.327 ug/L #	79
36) Methylcyclohexane	9.27	83	8371	4.931 ug/L #	19
40) 1,2-Dichloropropane	9.27	63	3950	4.932 ug/L #	86
42) cis-1,3-Dichloropropene	10.03	75	1124	0.804 ug/L	91
44) Toluene	10.38	91	1577	0.414 ug/L	89
46) 1,1,2-Trichloroethane	10.86	97	2928	4.321 ug/L #	28
47) Tetrachloroethene	10.87	164	286748	364.586 ug/L	99
49) 2-Hexanone	10.96	43	2955	6.461 ug/L #	41
50) Dibromochloromethane	10.87	129	290921	337.005 ug/L #	9
59) 1,2,3-Trichloropropane	13.55	75	1854	2.744 ug/L	90

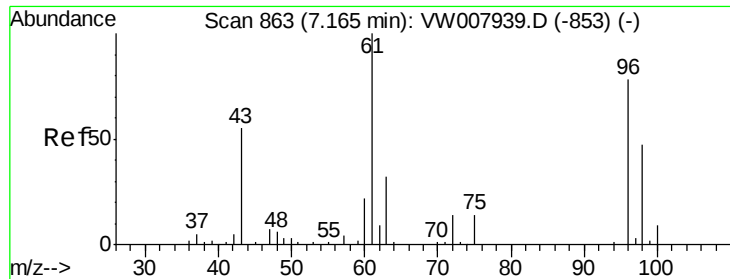
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 27 03:06:17 2018
Response via : Initial Calibration





#21

2-Butanone

Concen: 6.224 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW007954.D

Acq: 27 Dec 2018 06:45

Instrument :

MSVOA_W

ClientSampleId :

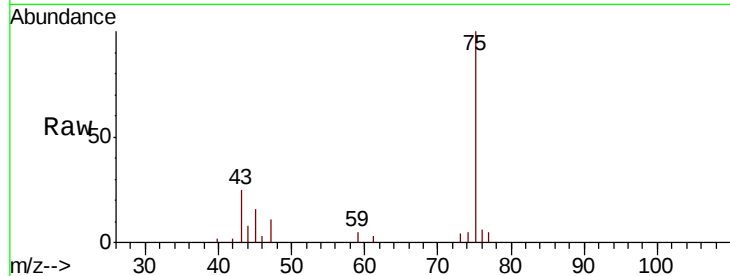
BEZX6

Tgt Ion: 43 Resp: 2651

Ion Ratio Lower Upper

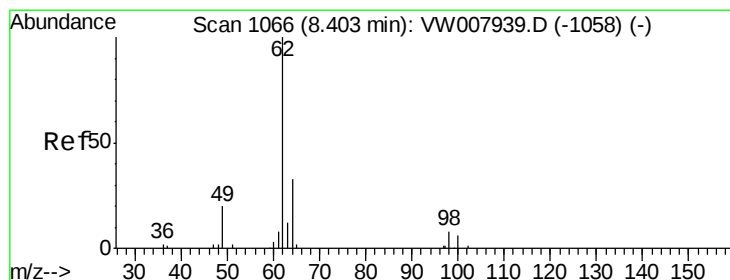
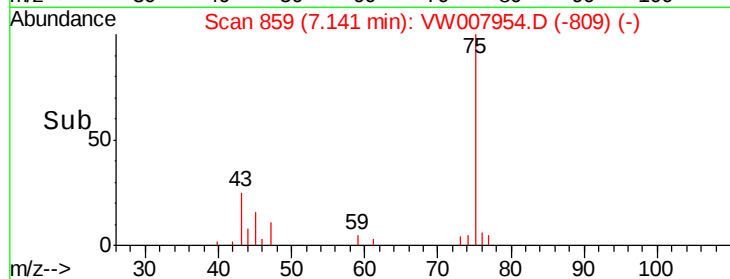
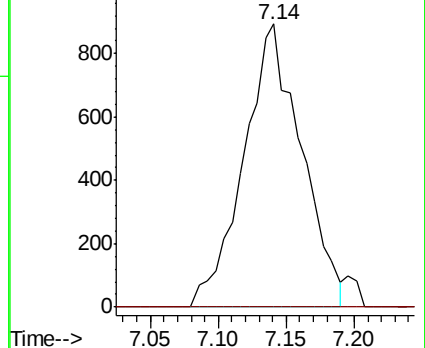
43 100

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



#27

1,2-Dichloroethane

Concen: 0.524 ug/L

RT: 8.27 min Scan# 1045

Delta R.T. -0.13 min

Lab File: VW007954.D

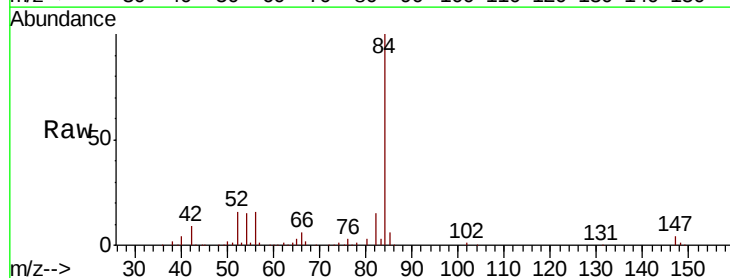
Acq: 27 Dec 2018 06:45

Tgt Ion: 62 Resp: 823

Ion Ratio Lower Upper

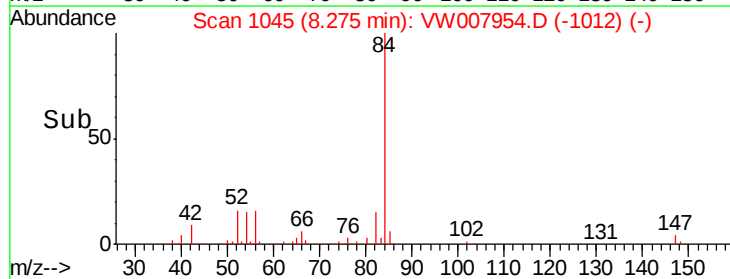
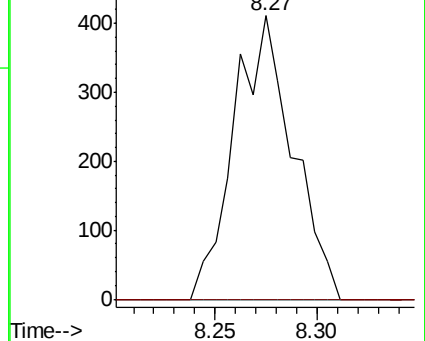
62 100

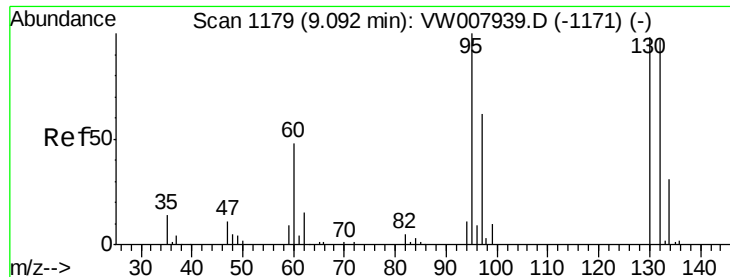
98 0.0 5.4 8.2#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#35

Trichloroethene

Concen: 0.327 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW007954.D

Acq: 27 Dec 2018 06:45

Instrument :

MSVOA_W

ClientSampleId :

BEZX6

Tgt Ion: 95 Resp: 324

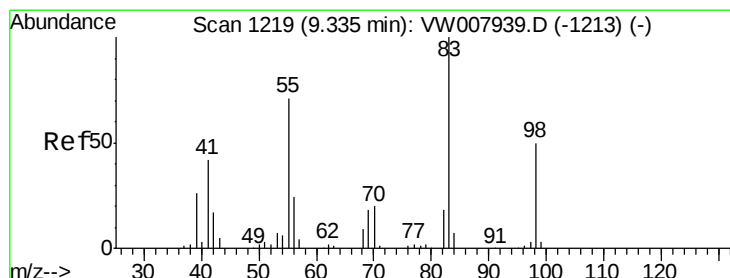
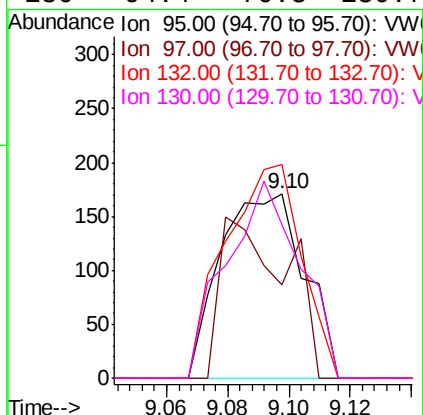
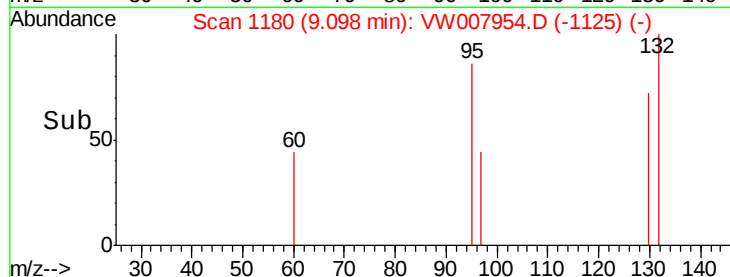
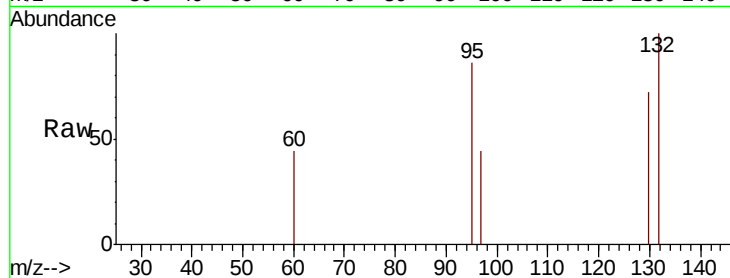
Ion Ratio Lower Upper

95 100

97 14.8 44.4 82.5#

132 105.9 67.8 126.0

130 94.4 70.3 130.7



#36

Methylcyclohexane

Concen: 4.931 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW007954.D

Acq: 27 Dec 2018 06:45

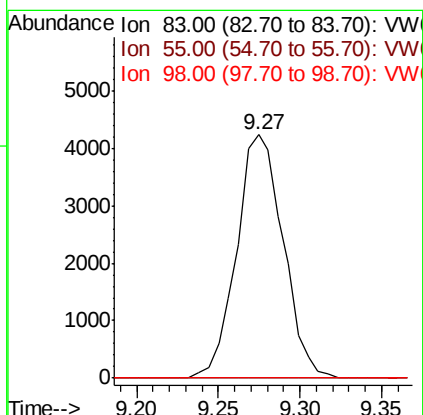
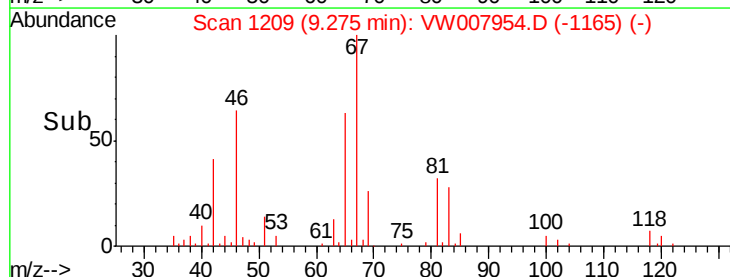
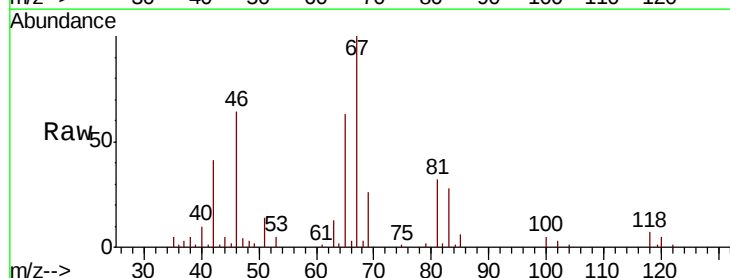
Tgt Ion: 83 Resp: 8371

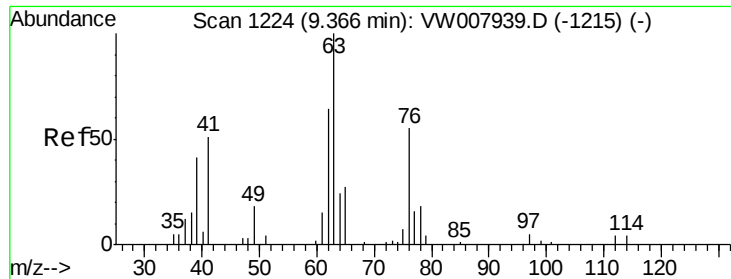
Ion Ratio Lower Upper

83 100

55 0.6 59.4 89.0#

98 0.0 38.2 57.2#

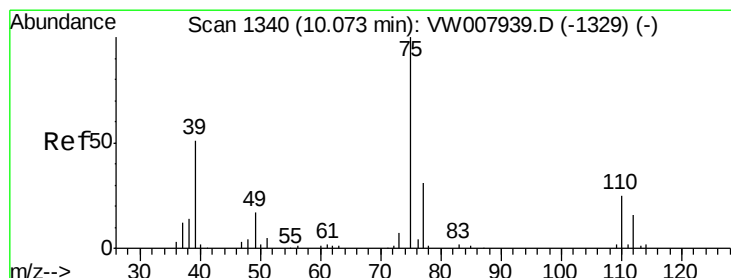
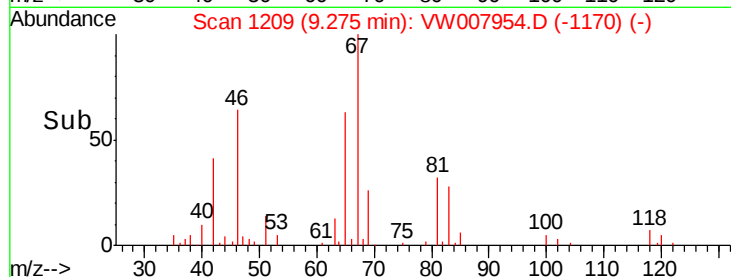
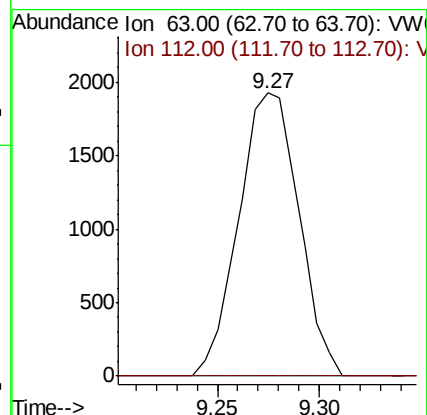
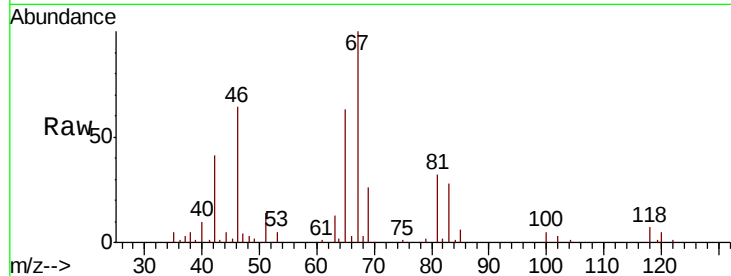




#40
 1,2-Dichloropropane
 Concen: 4.932 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.09 min
 Lab File: VW007954.D
 Acq: 27 Dec 2018 06:45

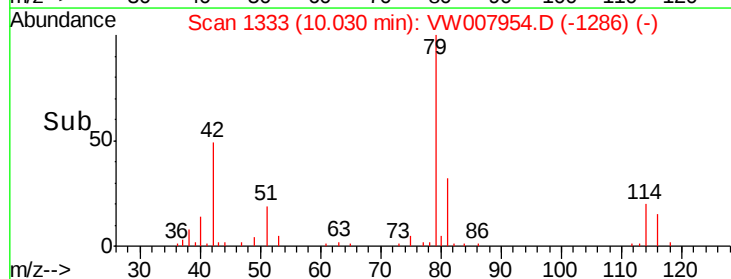
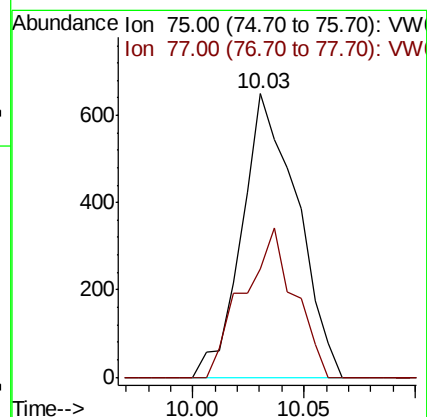
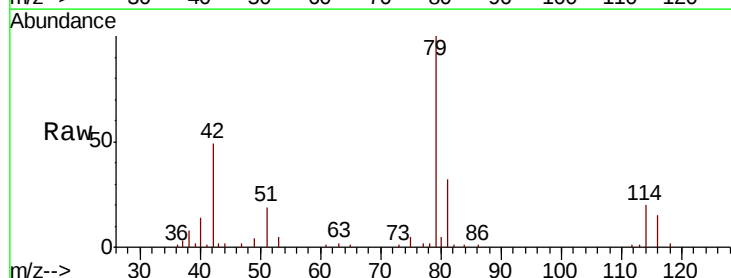
Instrument :
 MSVOA_W
 ClientSampleId :
 BEZX6

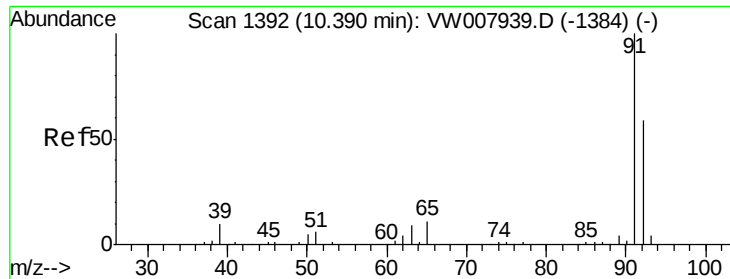
Tgt Ion: 63 Resp: 3950
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#42
 cis-1,3-Dichloropropene
 Concen: 0.804 ug/L
 RT: 10.03 min Scan# 1333
 Delta R.T. -0.04 min
 Lab File: VW007954.D
 Acq: 27 Dec 2018 06:45

Tgt Ion: 75 Resp: 1124
 Ion Ratio Lower Upper
 75 100
 77 38.2 23.0 42.8





#44

Toluene

Concen: 0.414 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007954.D

Acq: 27 Dec 2018 06:45

Instrument :

MSVOA_W

ClientSampleId :

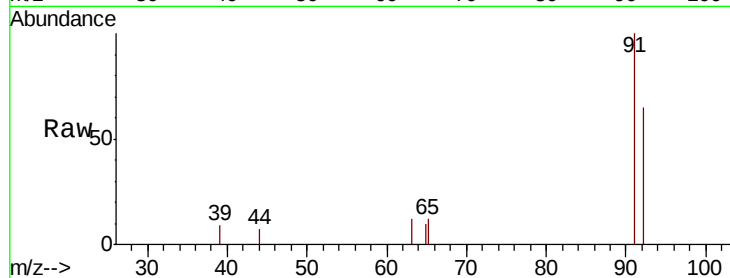
BEZX6

Tgt Ion: 91 Resp: 1577

Ion Ratio Lower Upper

91 100

92 64.8 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

800

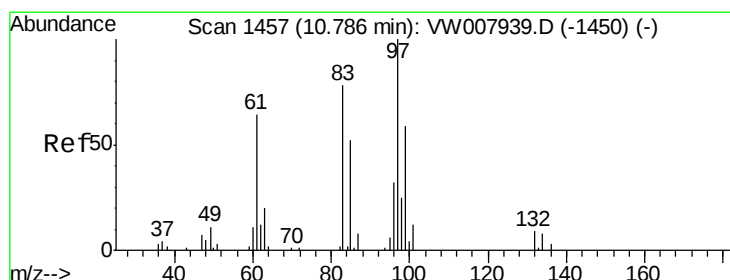
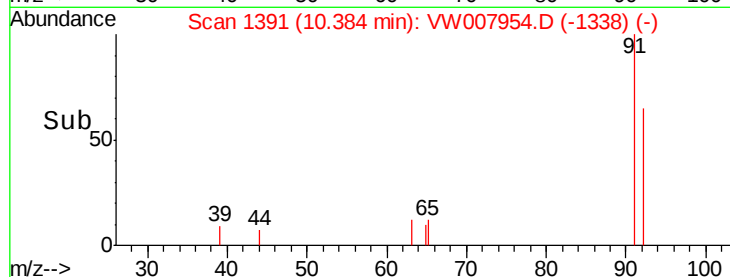
600

400

200

0

Time-->



#46

1,1,2-Trichloroethane

Concen: 4.321 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.07 min

Lab File: VW007954.D

Acq: 27 Dec 2018 06:45

Tgt Ion: 97 Resp: 2928

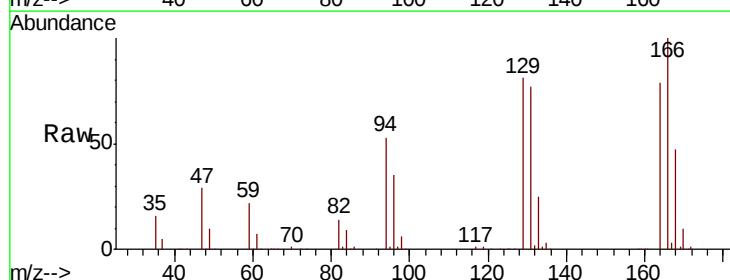
Ion Ratio Lower Upper

97 100

83 169.6 58.4 108.6#

85 23.4 36.4 67.6#

99 12.0 43.8 81.3#



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

5000

4000

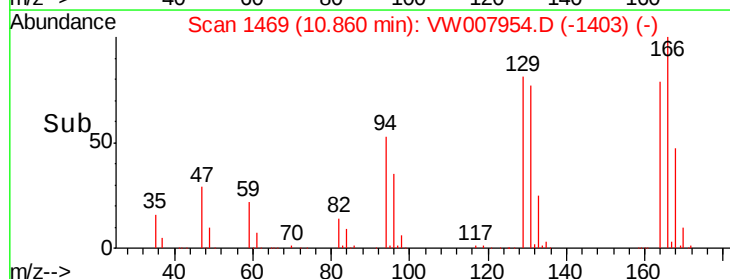
3000

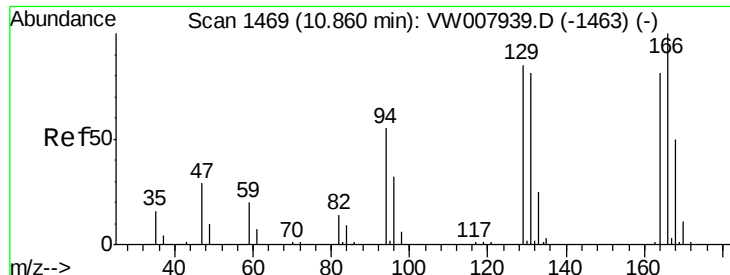
2000

1000

0

Time-->





#47

Tetrachloroethene

Concen: 364.586 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW007954.D

Acq: 27 Dec 2018 06:45

Instrument :

MSVOA_W

ClientSampleId :

BEZX6

Tgt Ion:164 Resp: 286748

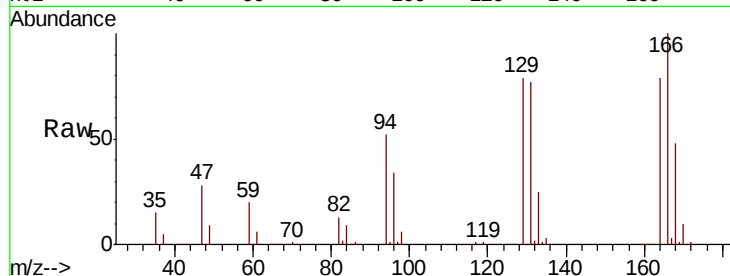
Ion Ratio Lower Upper

164 100

129 100.1 70.6 131.2

131 96.9 66.5 123.5

166 126.4 87.7 162.9

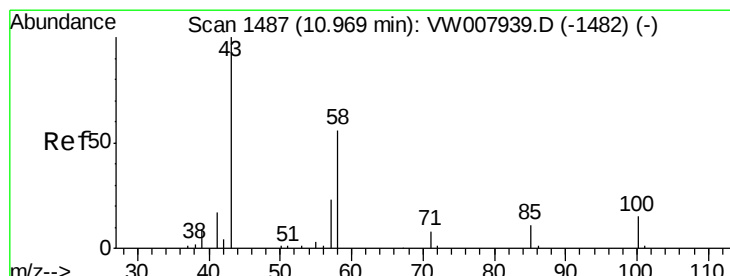
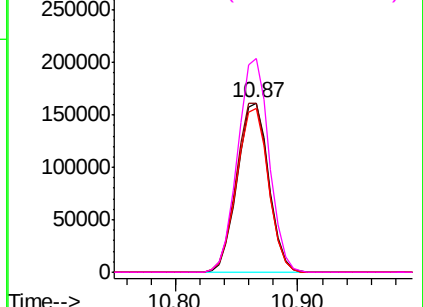
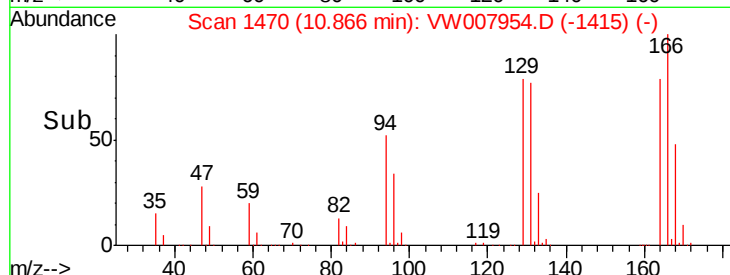


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 6.461 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW007954.D

Acq: 27 Dec 2018 06:45

Tgt Ion: 43 Resp: 2955

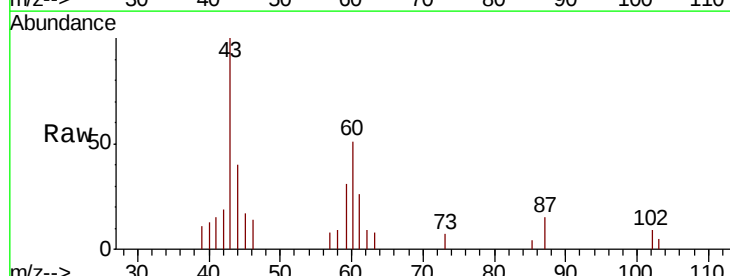
Ion Ratio Lower Upper

43 100

58 4.5 46.2 69.4#

57 2.3 17.9 26.9#

100 0.0 11.4 17.2#

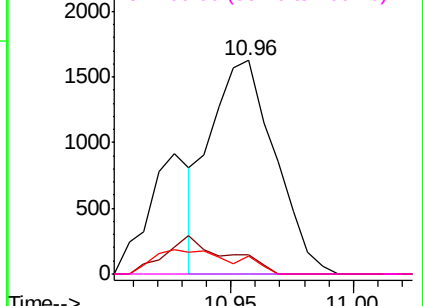
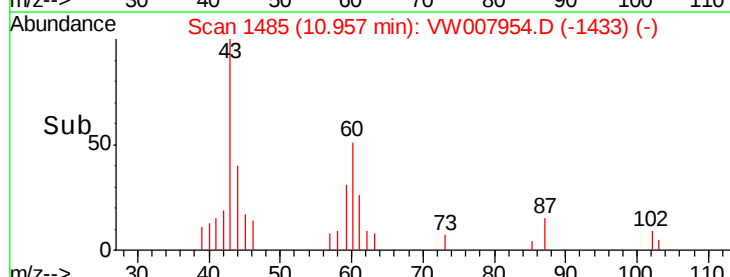


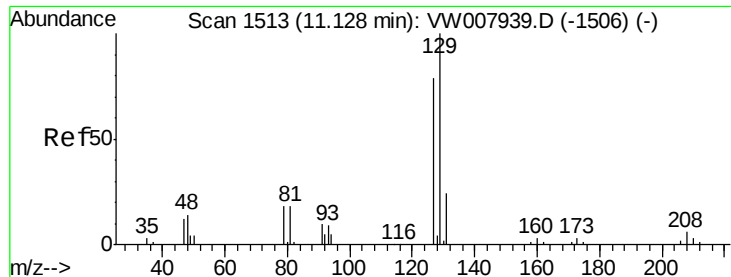
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 337.005 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW007954.D

Acq: 27 Dec 2018 06:45

Instrument :

MSVOA_W

ClientSampled :

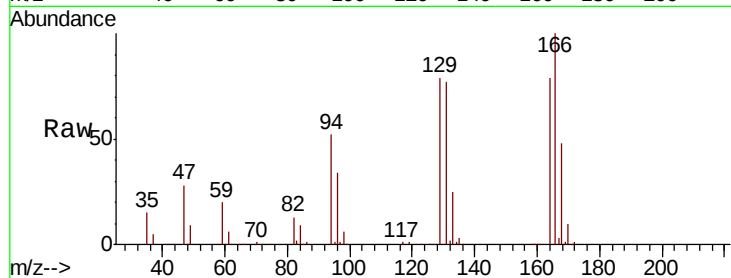
BEZX6

Tgt Ion:129 Resp: 290921

Ion Ratio Lower Upper

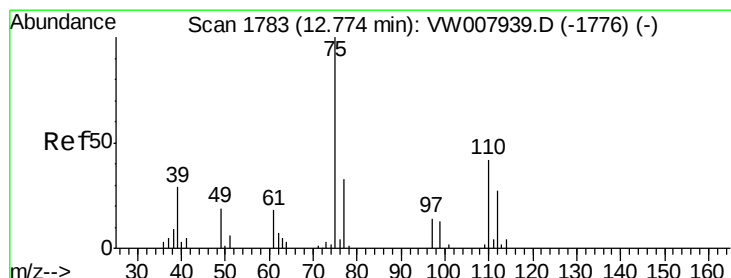
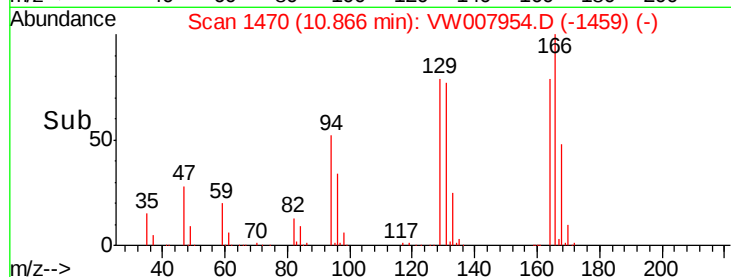
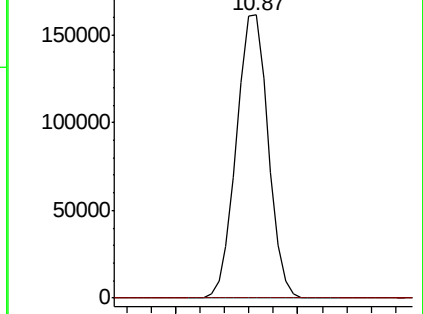
129 100

127 0.0 55.8 103.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 2.744 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.78 min

Lab File: VW007954.D

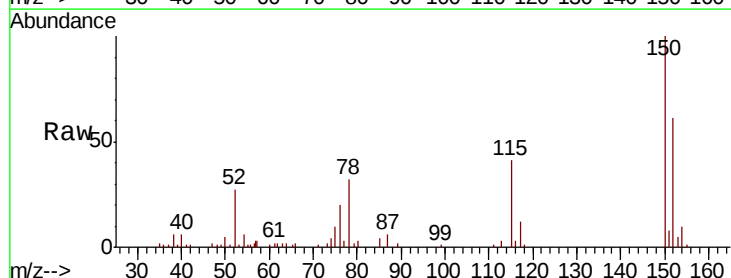
Acq: 27 Dec 2018 06:45

Tgt Ion: 75 Resp: 1854

Ion Ratio Lower Upper

75 100

77 37.5 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

