

Data File : VW008728.D
Acq On : 18 Feb 2019 15:05
Operator : SY/VA
Sample : K1515-10
Misc : 6.09G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TS-10

Quant Time: Feb 19 03:30:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	395601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	598513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	533237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	267856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	225538	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
35) Dibromofluoromethane	7.88	113	192661	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.32	98	707175	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.62	95	249676	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	

Target Compounds

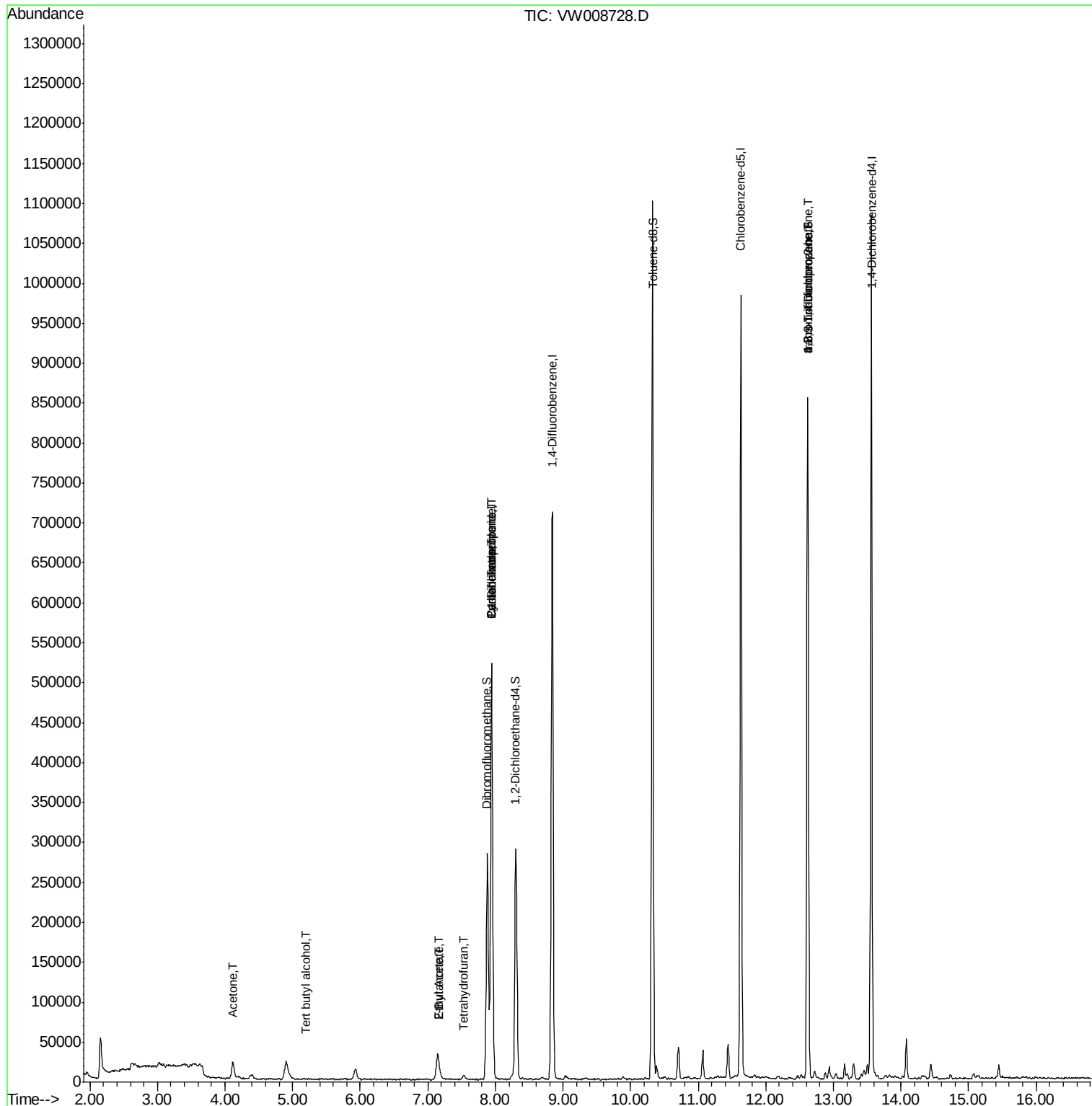
						Qvalue
11) Tert butyl alcohol	5.20	59	709	2.155	ug/l #	67
16) Acetone	4.11	43	36720	39.235	ug/l	94
20) Methylene Chloride	4.90	84	19552	Below Cal		89
25) 2-Butanone	7.17	43	11174	8.455	ug/l	98
29) Tetrahydrofuran	7.53	42	4858	5.577	ug/l	98
31) Cyclohexane	7.95	56	9095	1.209	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	29280	4.869	ug/l #	51
37) Ethyl Acetate	7.17	43	11174	3.852	ug/l #	82
38) Carbon Tetrachloride	7.94	117	38202	6.389	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	132723	50.180	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	132723	107.581	ug/l #	6

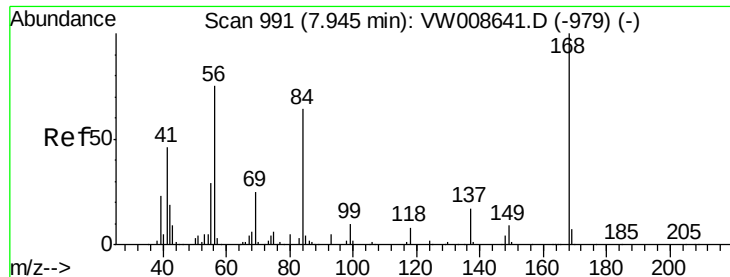
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008728.D

Acq: 18 Feb 2019 15:05

Instrument :

MSVOA_W

ClientSampled :

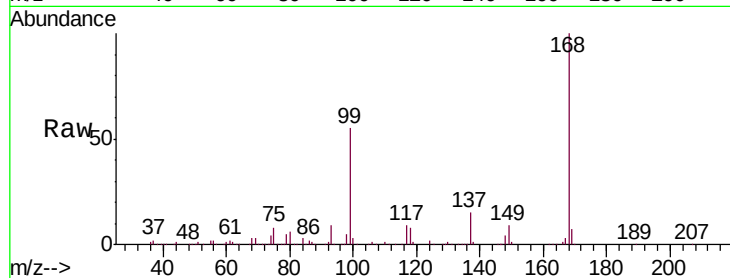
TS-10

Tgt Ion:168 Resp: 395601

Ion Ratio Lower Upper

168 100

99 54.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

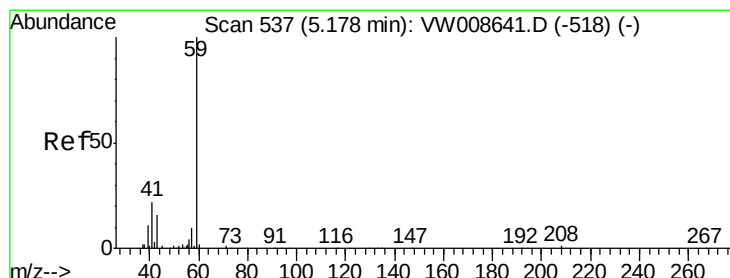
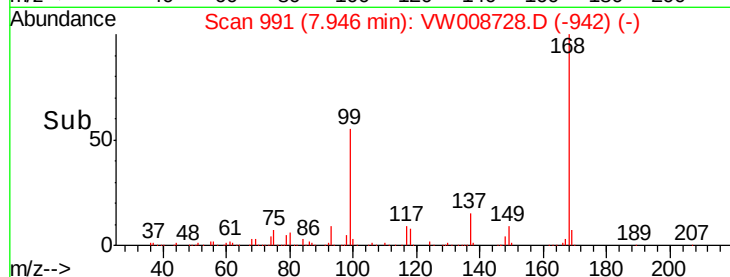
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.155 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW008728.D

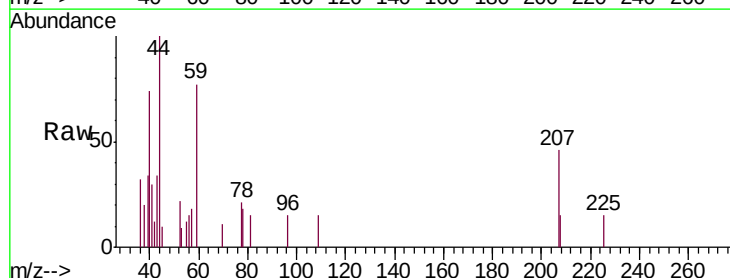
Acq: 18 Feb 2019 15:05

Tgt Ion: 59 Resp: 709

Ion Ratio Lower Upper

59 100

57 22.6 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

600

500

400

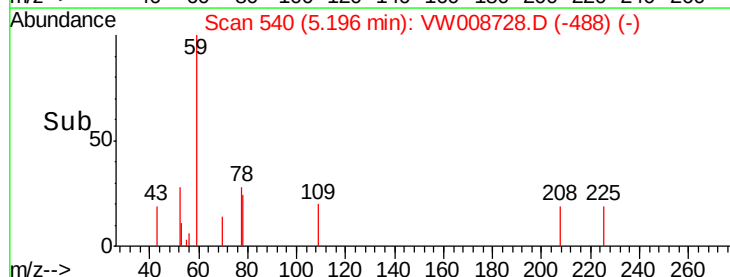
300

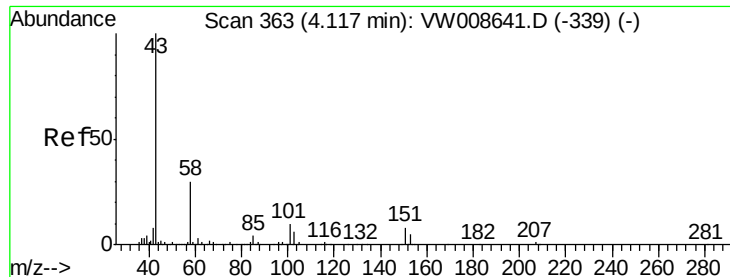
200

100

0

Time-->





#16

Acetone

Concen: 39.235 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW008728.D

Acq: 18 Feb 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

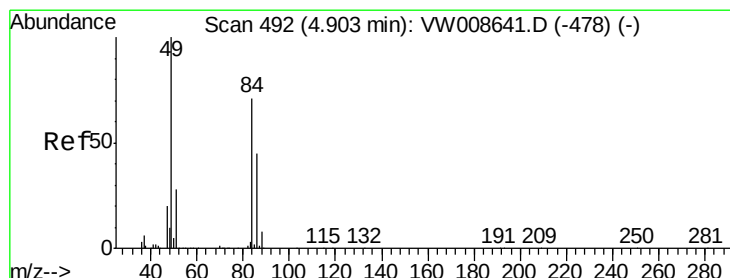
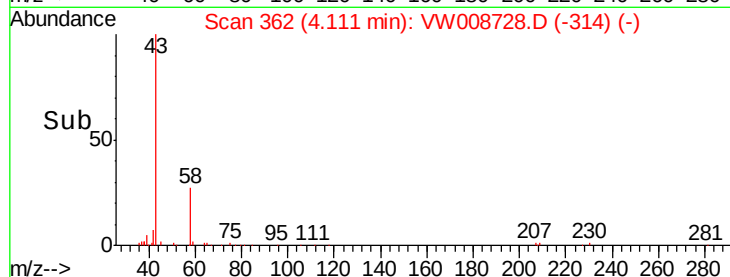
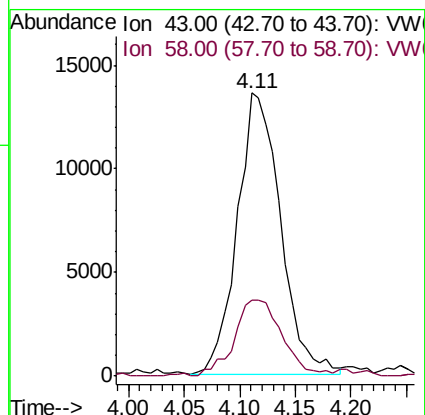
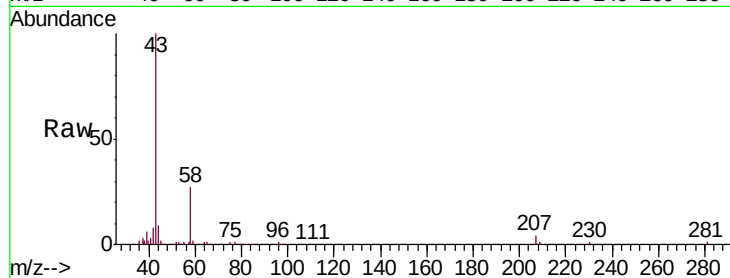
TS-10

Tgt Ion: 43 Resp: 36720

Ion Ratio Lower Upper

43 100

58 27.0 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW008728.D

Acq: 18 Feb 2019 15:05

Tgt Ion: 84 Resp: 19552

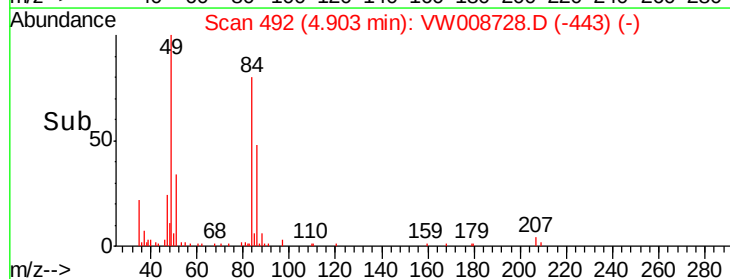
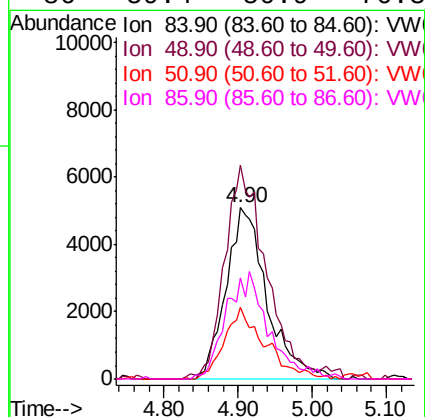
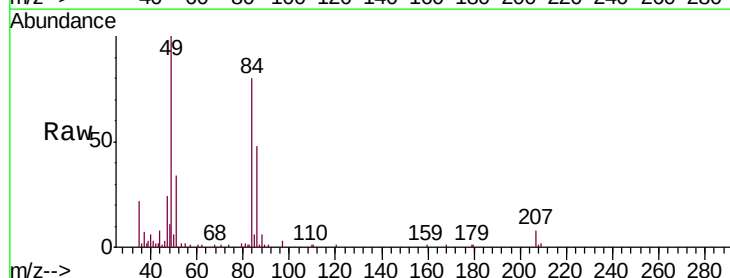
Ion Ratio Lower Upper

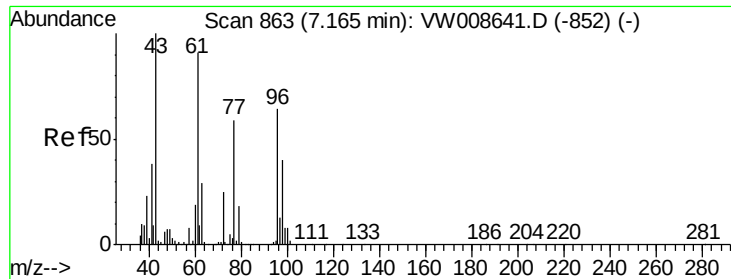
84 100

49 122.0 113.3 169.9

51 42.0 32.1 48.1

86 59.4 50.9 76.3





#25

2-Butanone

Concen: 8.455 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008728.D

Acq: 18 Feb 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

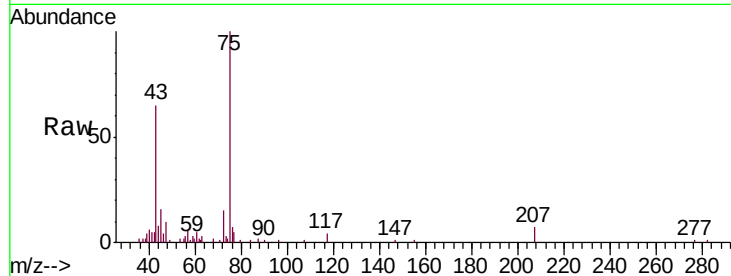
TS-10

Tgt Ion: 43 Resp: 11174

Ion Ratio Lower Upper

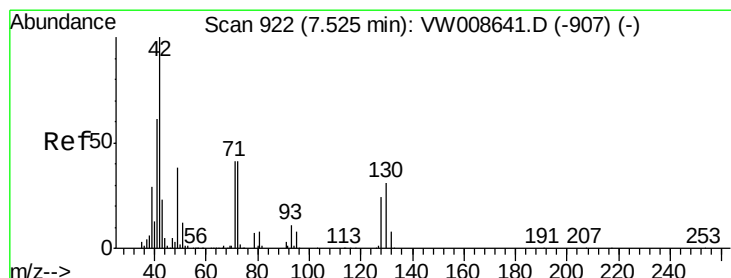
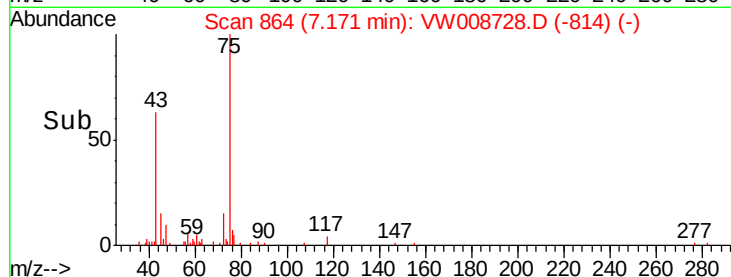
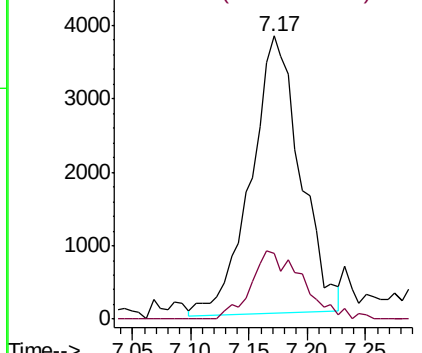
43 100

72 23.8 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 5.577 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW008728.D

Acq: 18 Feb 2019 15:05

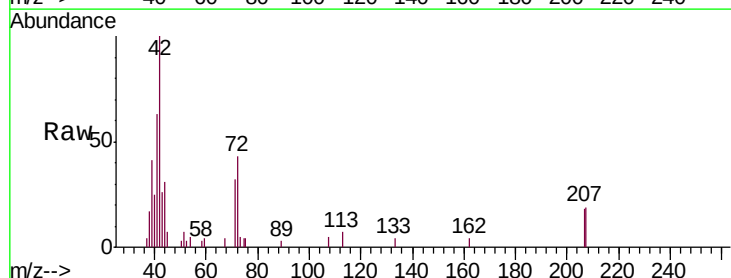
Tgt Ion: 42 Resp: 4858

Ion Ratio Lower Upper

42 100

72 38.6 32.2 48.2

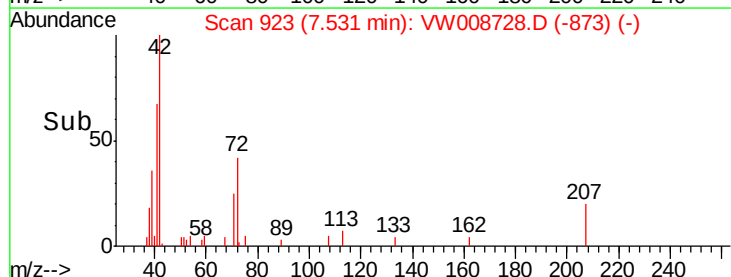
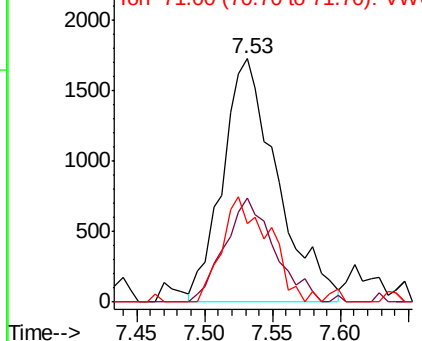
71 37.4 31.0 46.6

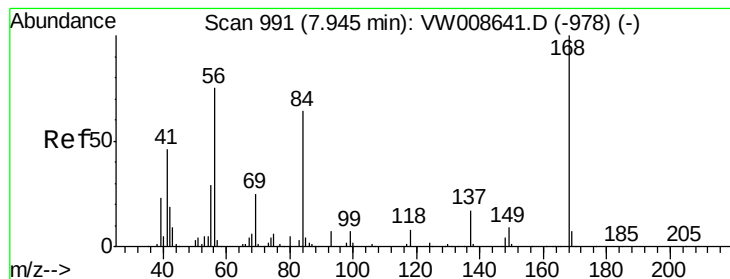


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.209 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008728.D

Acq: 18 Feb 2019 15:05

Instrument :

MSVOA_W

ClientSampled :

TS-10

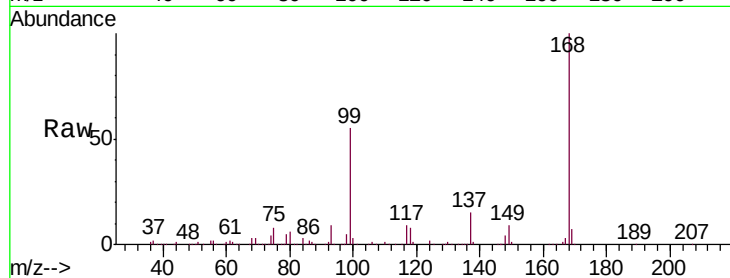
Tgt Ion: 56 Resp: 9095

Ion Ratio Lower Upper

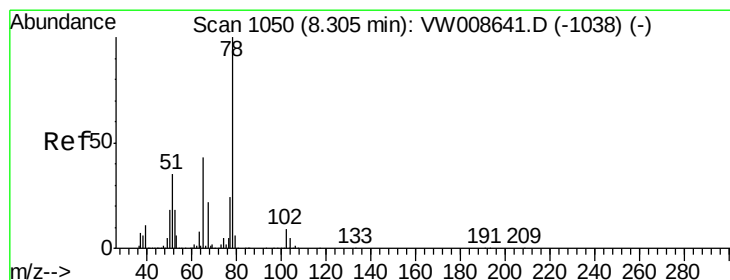
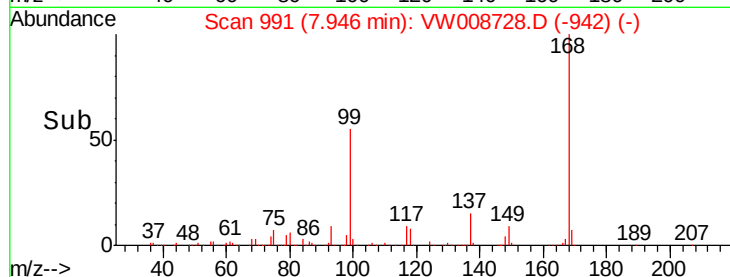
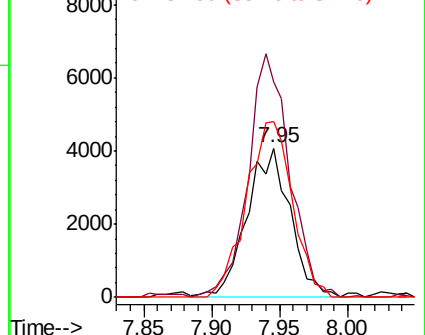
56 100

69 144.9 26.4 39.6#

84 118.3 67.4 101.2#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 54.838 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008728.D

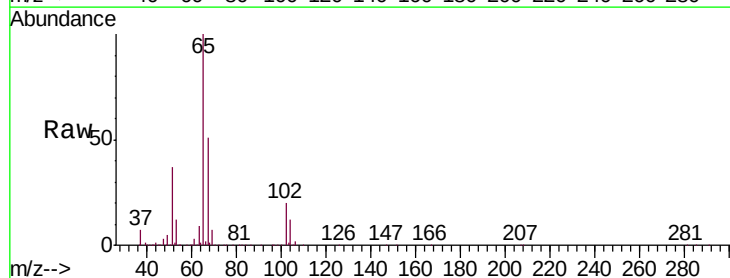
Acq: 18 Feb 2019 15:05

Tgt Ion: 65 Resp: 225538

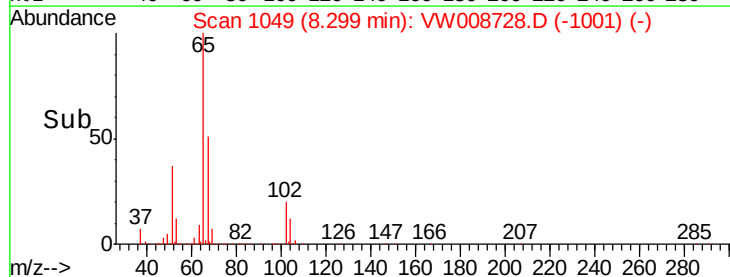
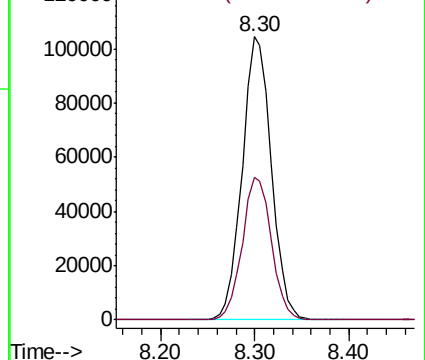
Ion Ratio Lower Upper

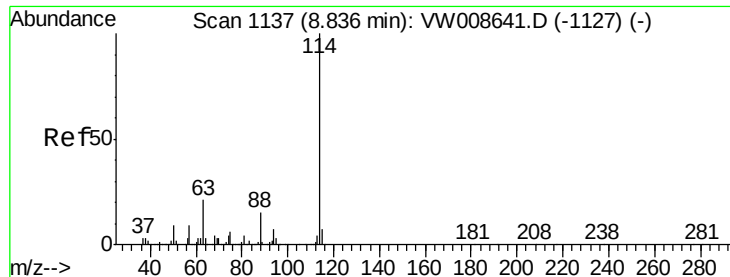
65 100

67 50.7 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

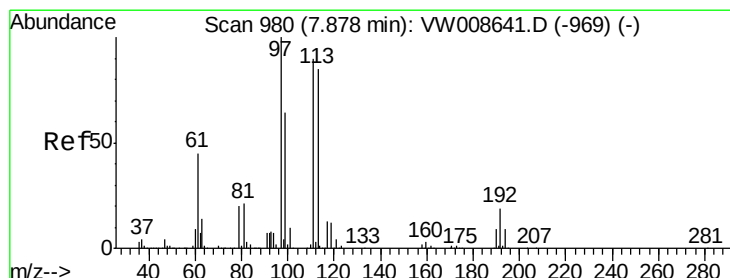
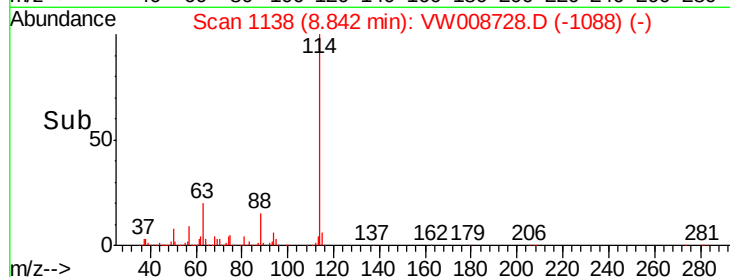
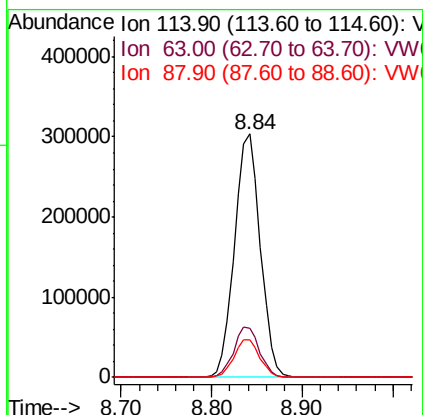
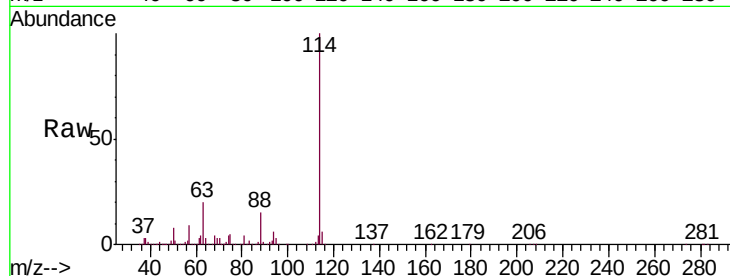




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008728.D
 Acq: 18 Feb 2019 15:05

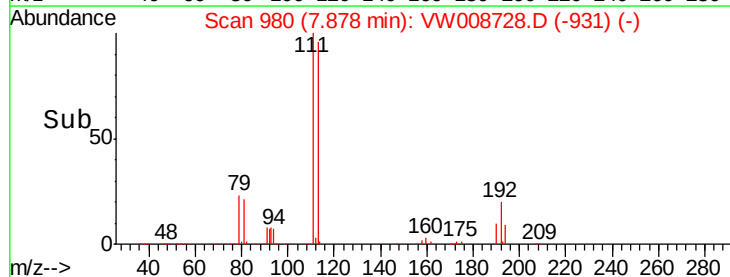
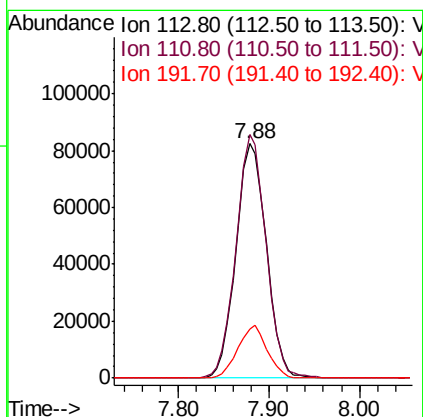
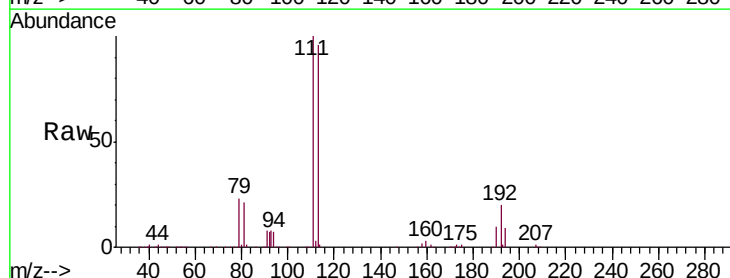
Instrument :
 MSVOA_W
 ClientSampleId :
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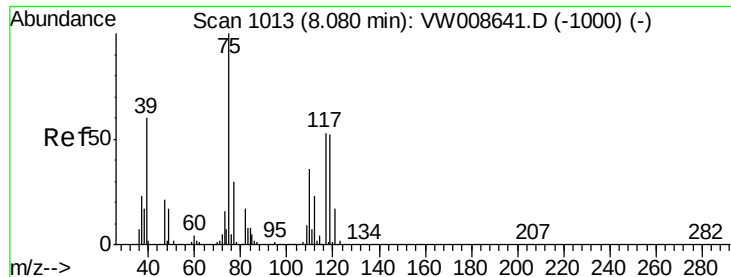
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.2
88	15.4	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 51.841 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008728.D
 Acq: 18 Feb 2019 15:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	84.0	126.0
192	21.6	17.4	26.2

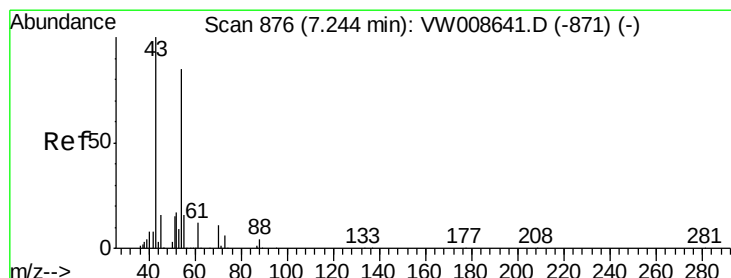
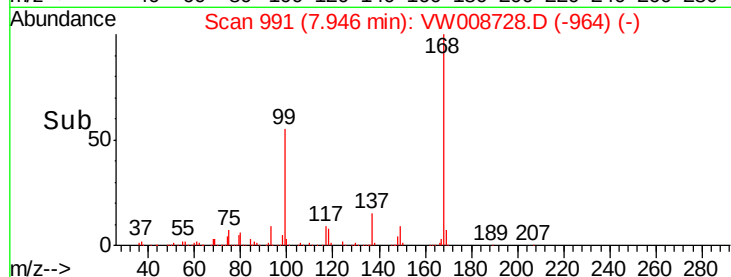
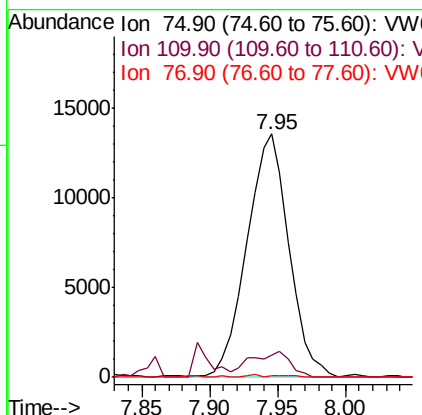
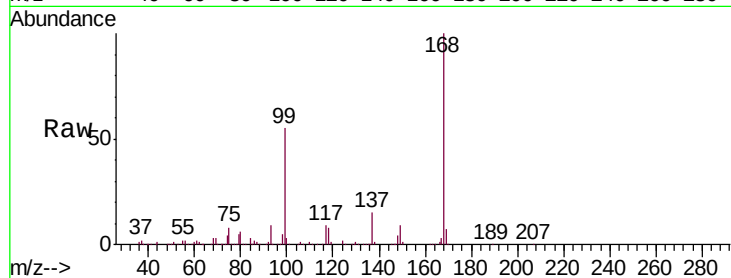




#36
 1,1-Dichloropropene
 Concen: 4.869 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008728.D
 Acq: 18 Feb 2019 15:05

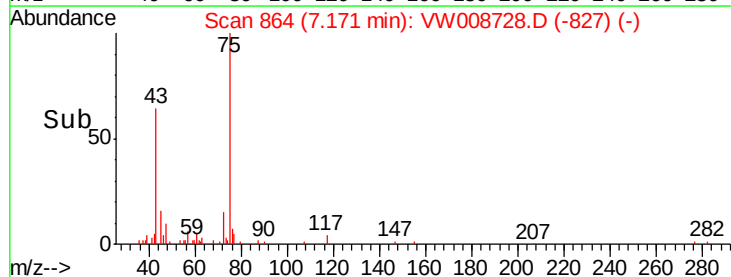
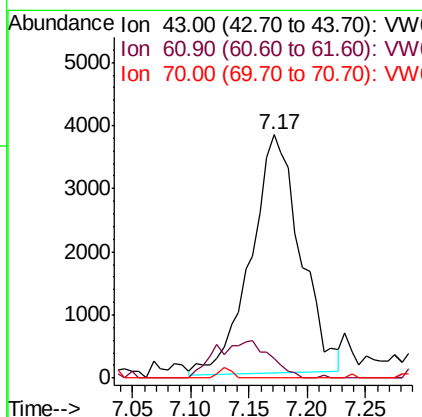
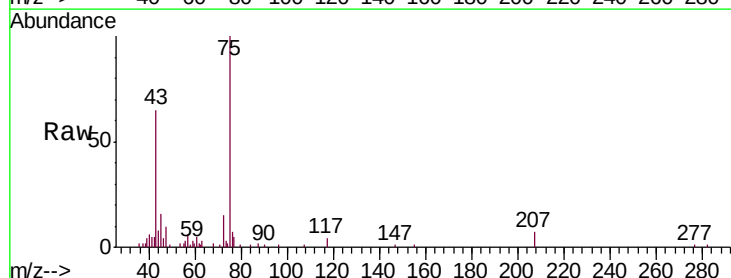
Instrument :
 MSVOA_W
 ClientSampleId :
 TS-10

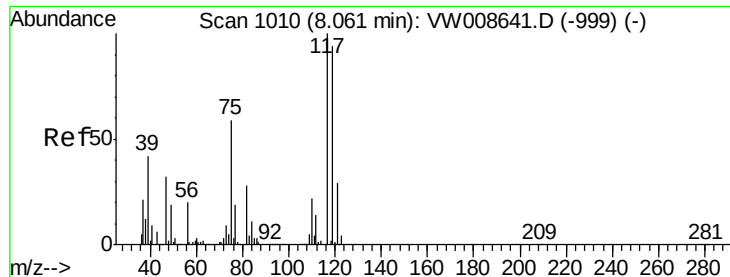
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	17.8	53.3#
77	0.5	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 3.852 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.07 min
 Lab File: VW008728.D
 Acq: 18 Feb 2019 15:05

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.3	10.5	15.7#
70	0.0	8.1	12.1#

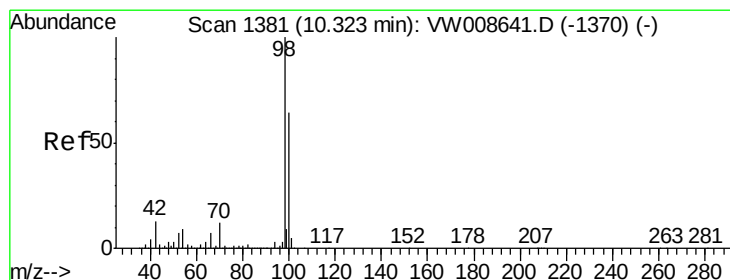
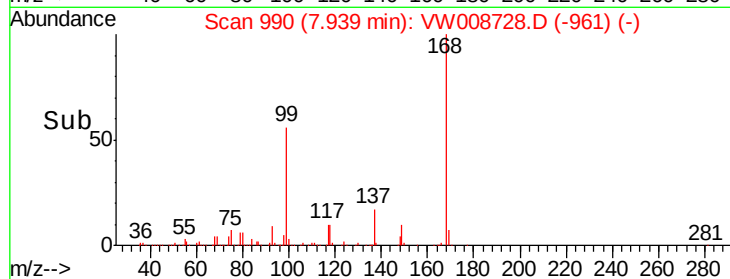
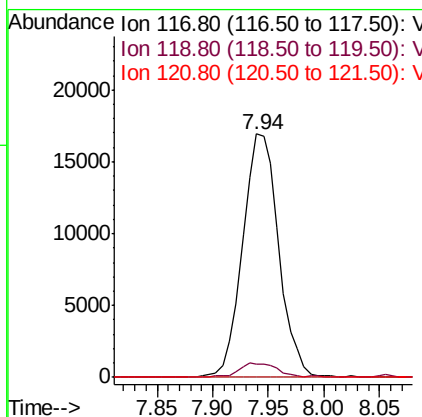
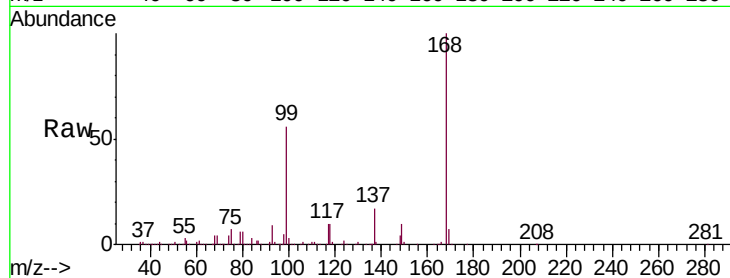




#38
Carbon Tetrachloride
Concen: 6.389 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.12 min
Lab File: VW008728.D
Acq: 18 Feb 2019 15:05

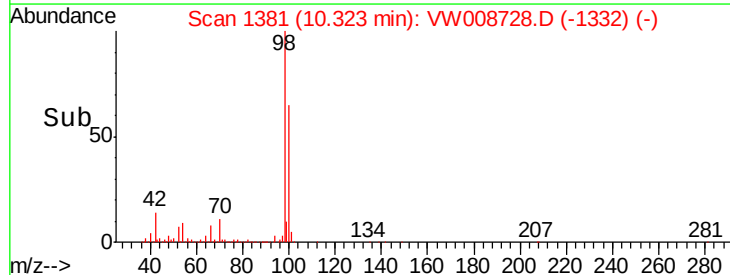
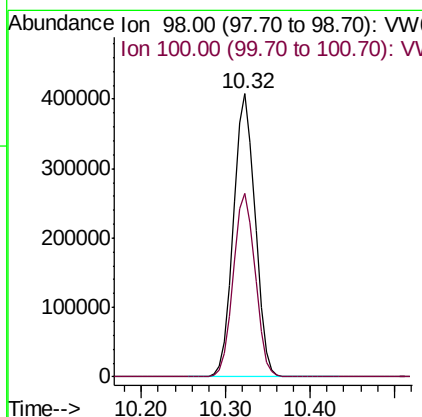
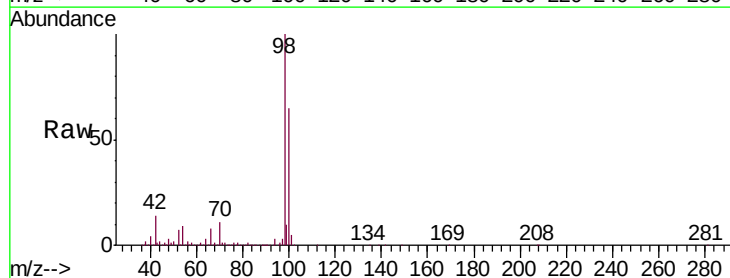
Instrument :
MSVOA_W
ClientSampleId :
TS-10

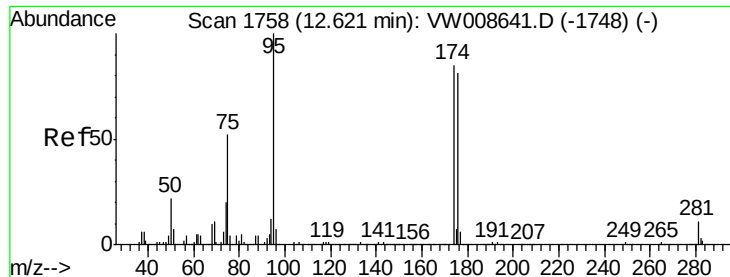
Tgt Ion: 117 Resp: 38202
Ion Ratio Lower Upper
117 100
119 5.4 75.1 112.7#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 49.362 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008728.D
Acq: 18 Feb 2019 15:05

Tgt Ion: 98 Resp: 707175
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 46.269 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008728.D

Acq: 18 Feb 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

TS-10

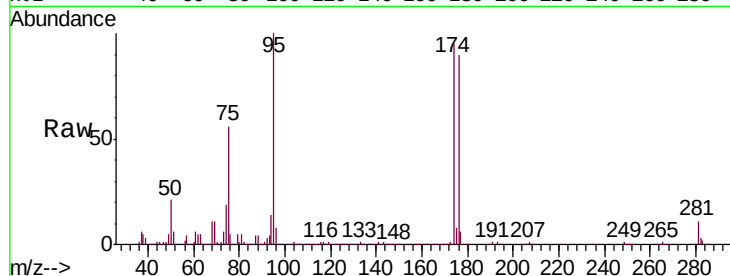
Tgt Ion: 95 Resp: 249676

Ion Ratio Lower Upper

95 100

174 87.8 0.0 163.2

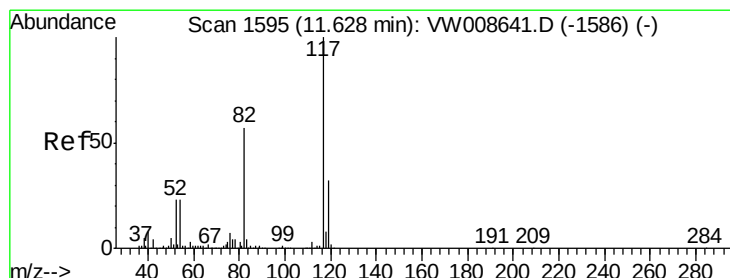
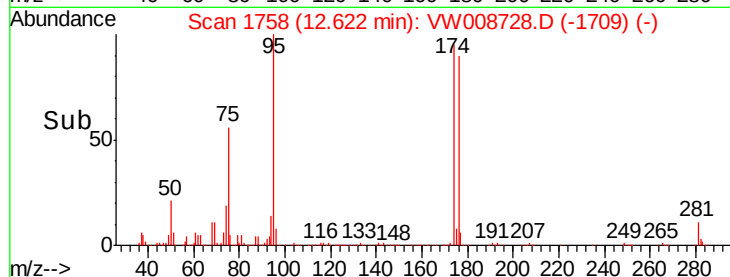
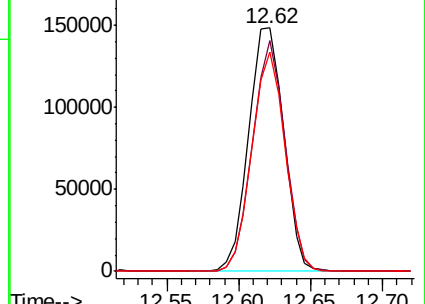
176 85.1 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW008728.D

Acq: 18 Feb 2019 15:05

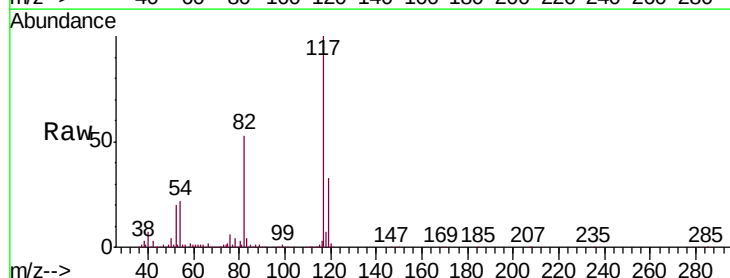
Tgt Ion: 117 Resp: 533237

Ion Ratio Lower Upper

117 100

82 52.8 45.6 68.4

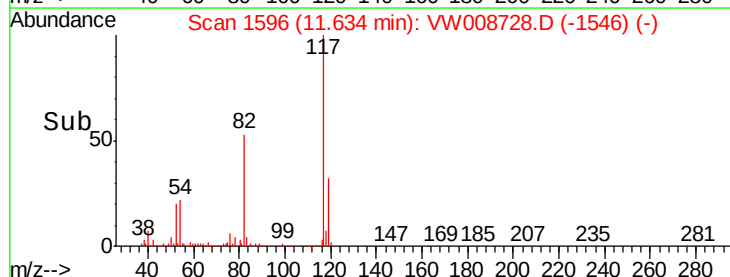
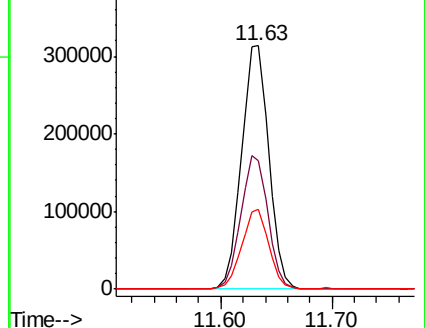
119 32.4 25.7 38.5

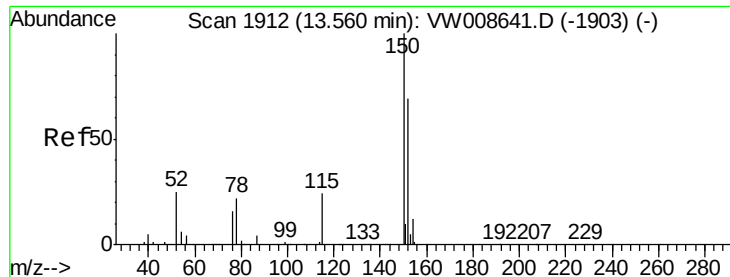


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

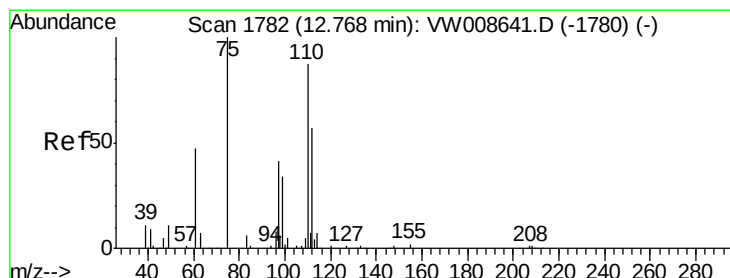
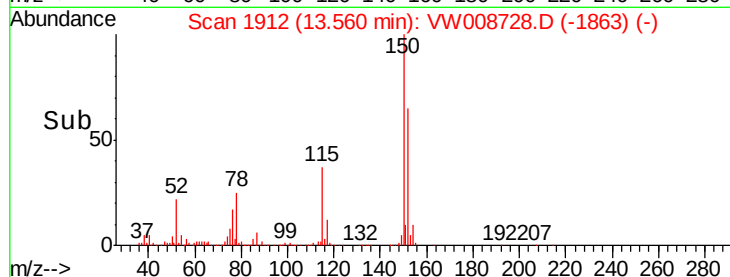
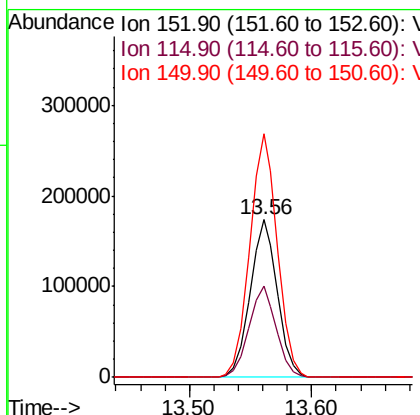
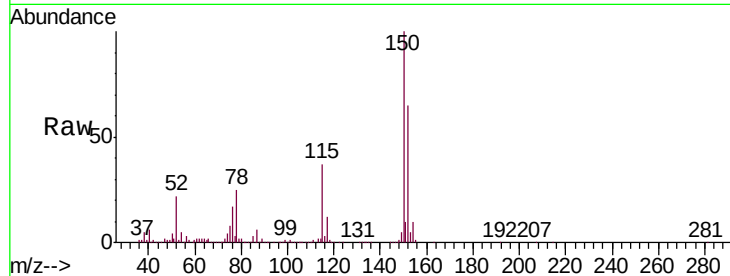




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008728.D
 Acq: 18 Feb 2019 15:05

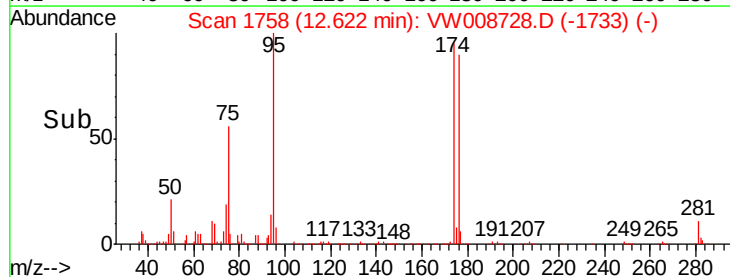
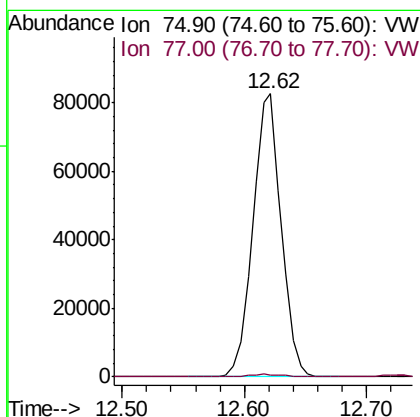
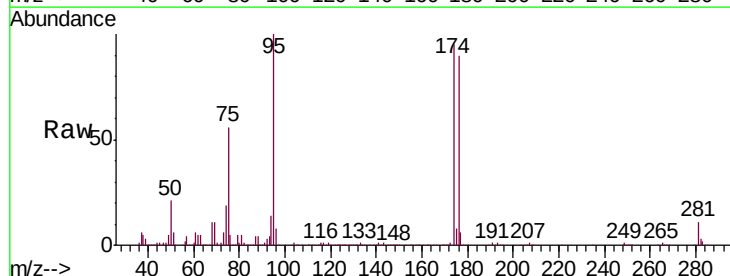
Instrument :
 MSVOA_W
 ClientSampleId :
 TS-10

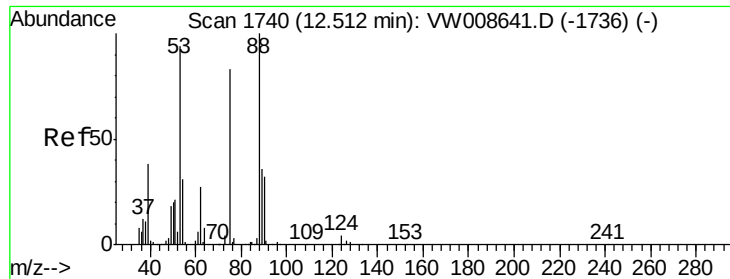
Tgt Ion: 152 Resp: 267856
 Ion Ratio Lower Upper
 152 100
 115 57.9 29.3 87.8
 150 156.3 0.0 352.8



#76
 1,2,3-Trichloropropane
 Concen: 50.180 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008728.D
 Acq: 18 Feb 2019 15:05

Tgt Ion: 75 Resp: 132723
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 107.581 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008728.D

Acq: 18 Feb 2019 15:05

Instrument :

MSVOA_W

ClientSampleId :

TS-10

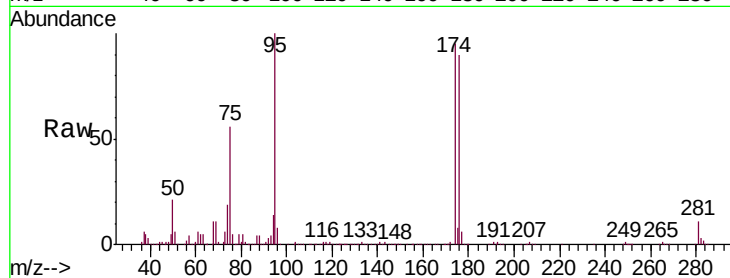
Tgt Ion: 75 Resp: 132723

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.1 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

