

Data File : VW008730.D
Acq On : 18 Feb 2019 15:59
Operator : SY/VA
Sample : K1515-12
Misc : 6.16G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TS-12

Quant Time: Feb 19 03:31:04 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	399481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	600433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	532390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	265350	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	213640	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	7.88	113	186441	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.32	98	712947	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.62	95	250897	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	

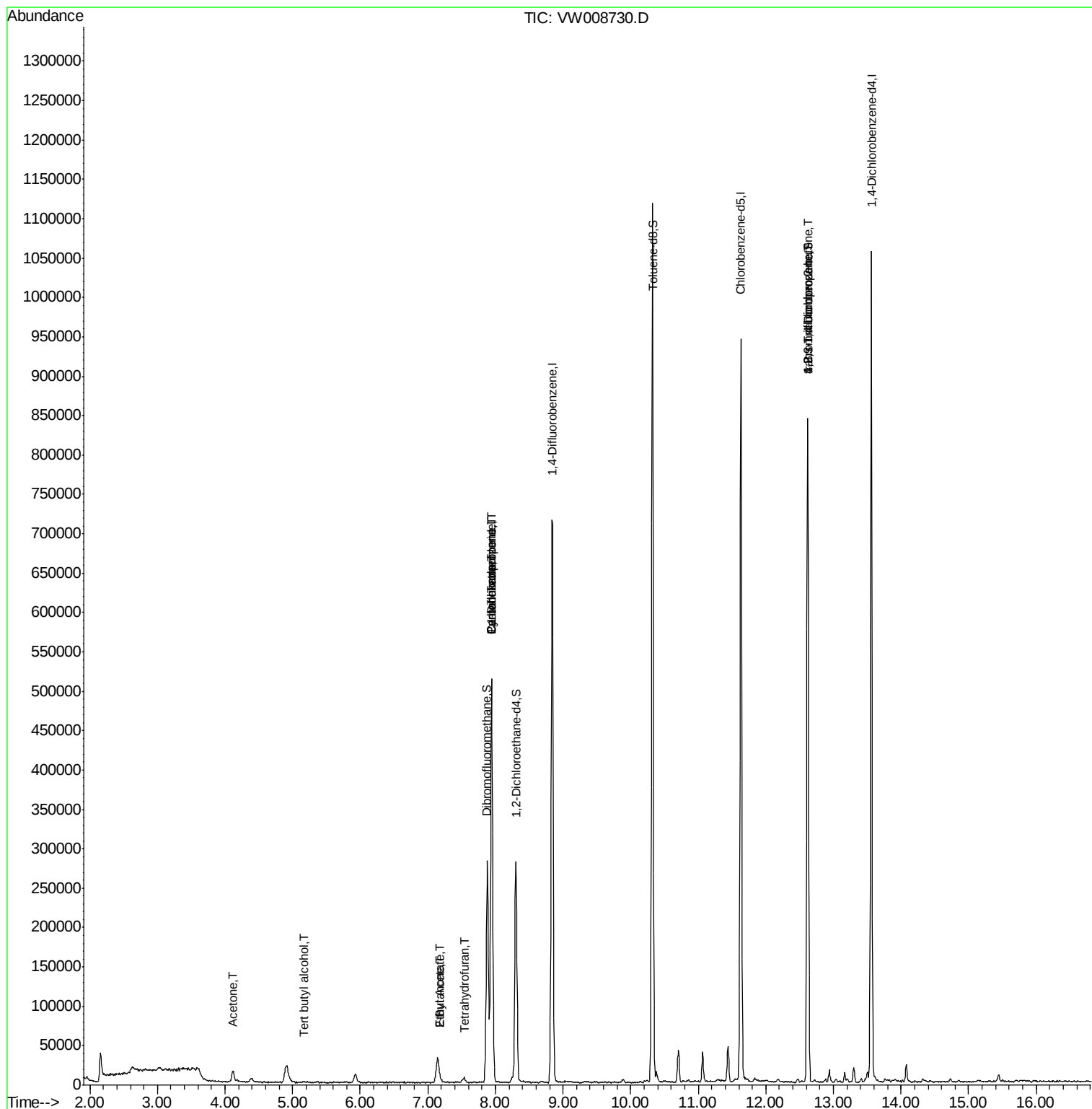
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.17	59	1690	5.086	ug/l #	72
16) Acetone	4.12	43	23605	24.977	ug/l	100
20) Methylene Chloride	4.91	84	20318	Below Cal	#	84
25) 2-Butanone	7.18	43	7564	5.668	ug/l #	89
29) Tetrahydrofuran	7.54	42	4810	5.468	ug/l	90
31) Cyclohexane	7.95	56	8345	1.099	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	29242	4.847	ug/l #	51
37) Ethyl Acetate	7.18	43	7564	2.599	ug/l #	70
38) Carbon Tetrachloride	7.95	117	36039	6.008	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	130705	49.884	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	130705	106.961	ug/l #	6

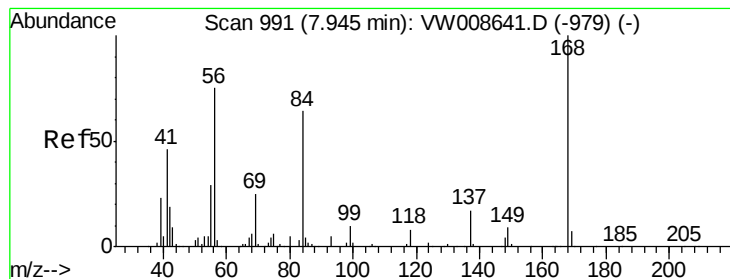
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008730.D

Acq: 18 Feb 2019 15:59

Instrument :

MSVOA_W

ClientSampled :

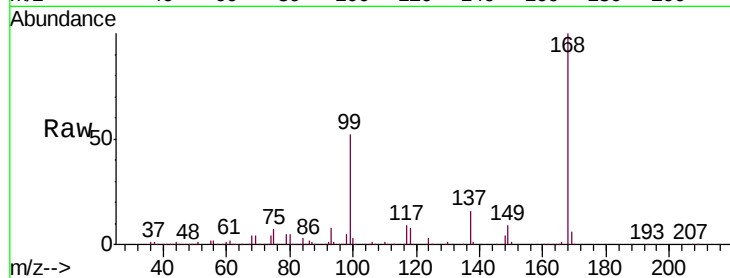
TS-12

Tgt Ion:168 Resp: 399481

Ion Ratio Lower Upper

168 100

99 52.3 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

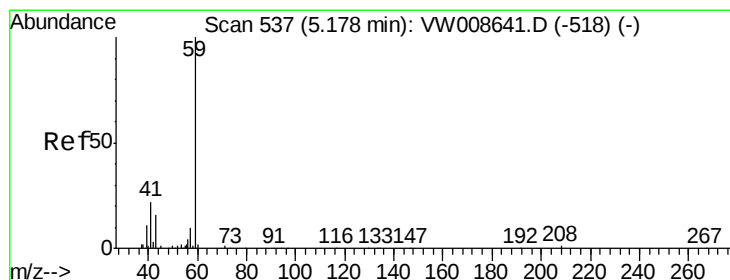
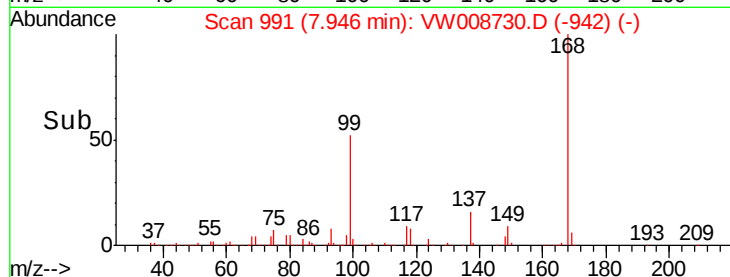
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 5.086 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW008730.D

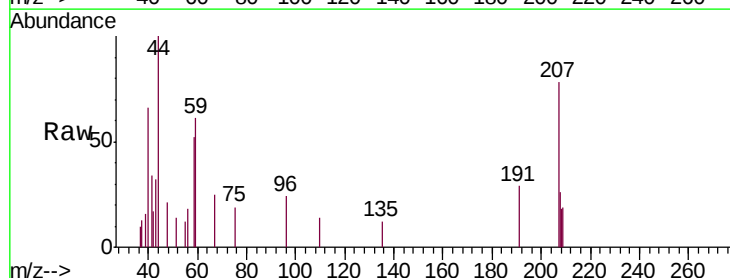
Acq: 18 Feb 2019 15:59

Tgt Ion: 59 Resp: 1690

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

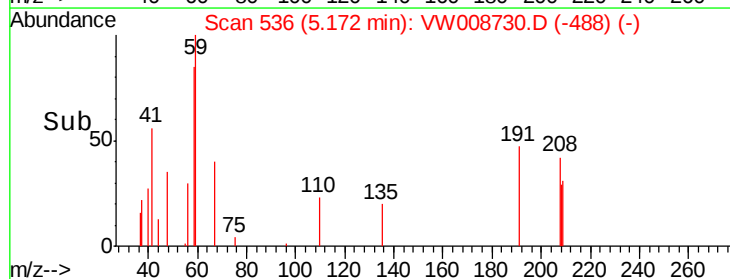
600

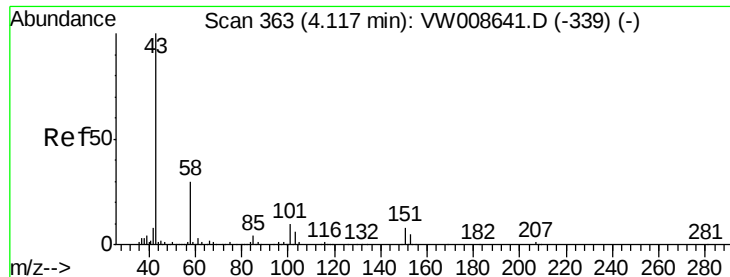
400

200

0

Time--> 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 24.977 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008730.D

Acq: 18 Feb 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

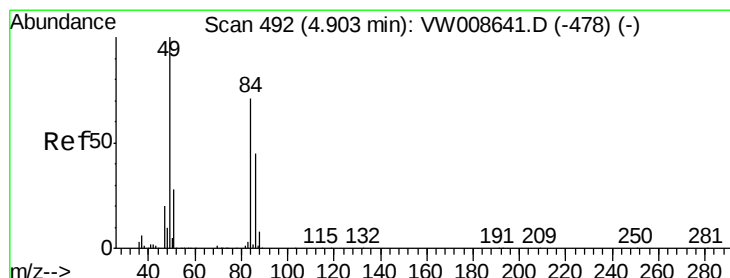
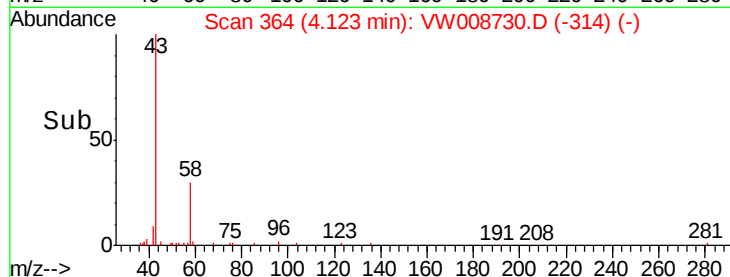
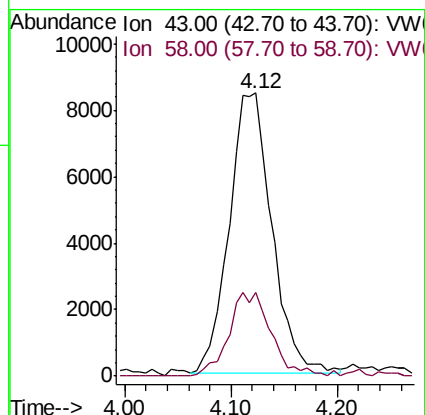
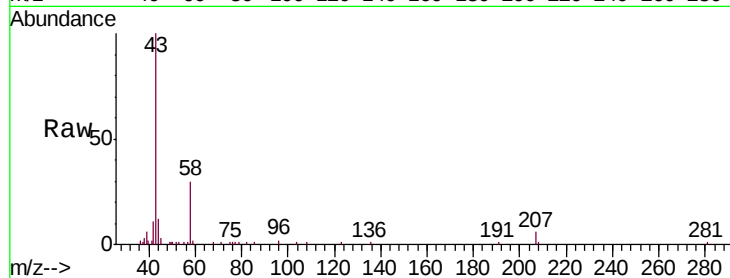
TS-12

Tgt Ion: 43 Resp: 23605

Ion Ratio Lower Upper

43 100

58 30.1 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008730.D

Acq: 18 Feb 2019 15:59

Tgt Ion: 84 Resp: 20318

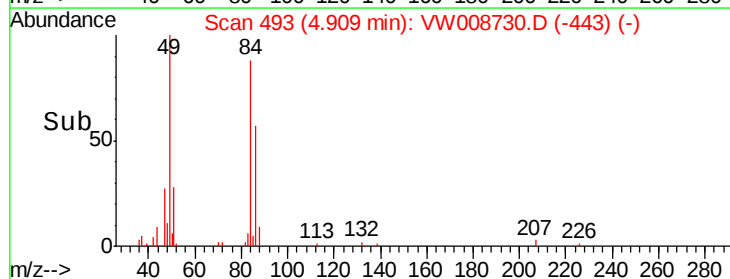
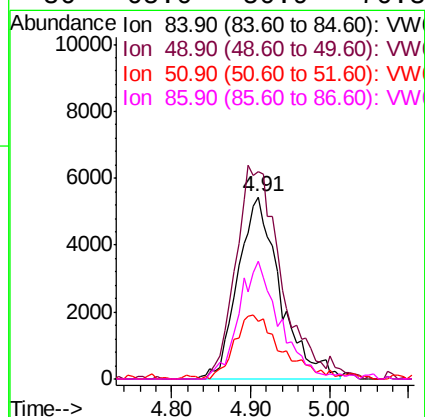
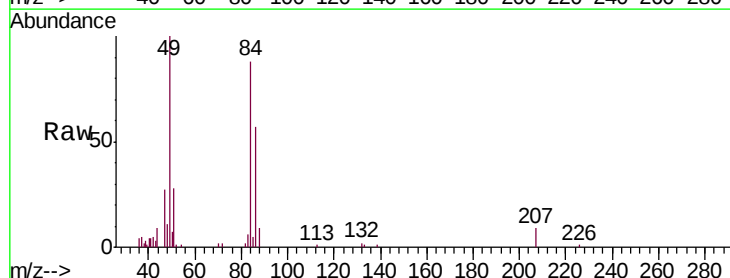
Ion Ratio Lower Upper

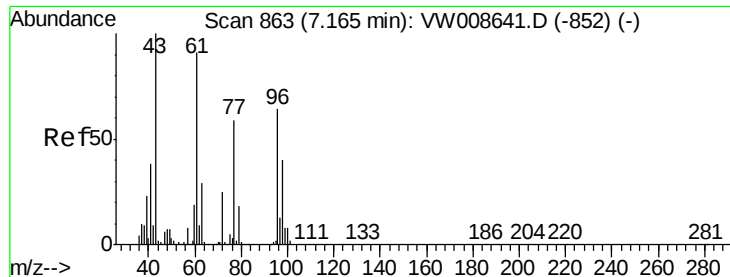
84 100

49 114.3 113.3 169.9

51 30.2 32.1 48.1#

86 65.0 50.9 76.3

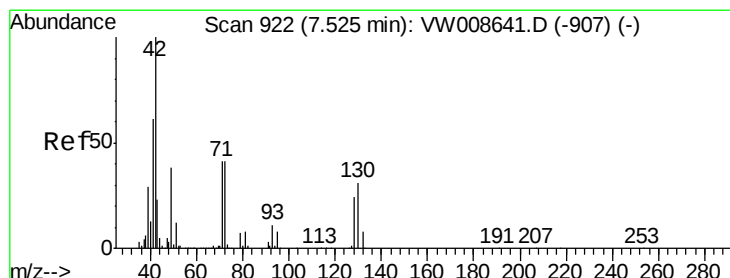
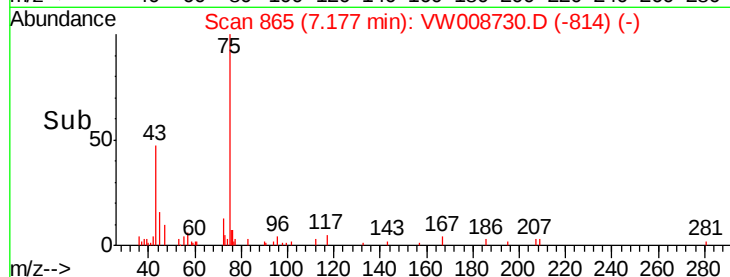
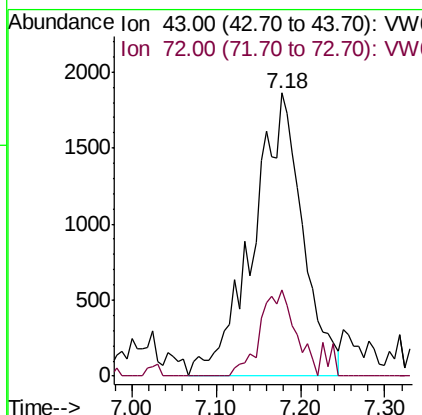
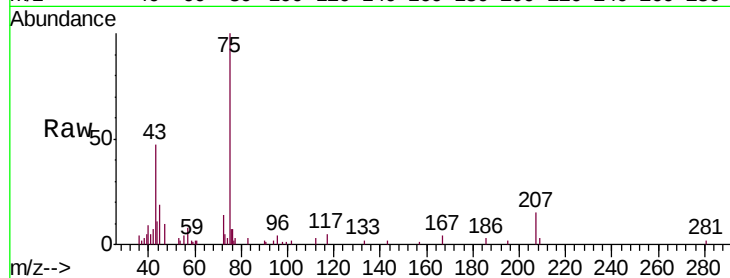




#25
2-Butanone
Concen: 5.668 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW008730.D
Acq: 18 Feb 2019 15:59

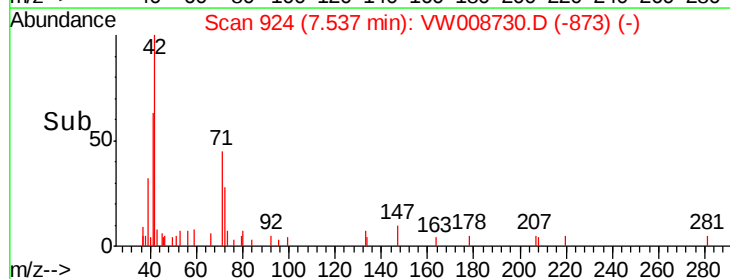
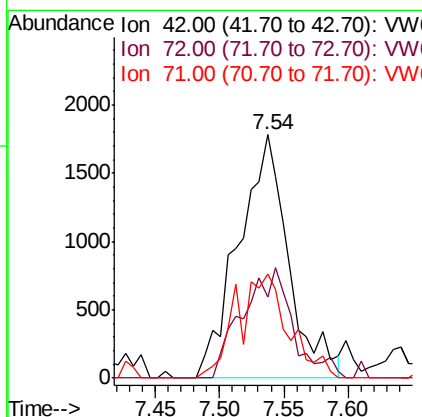
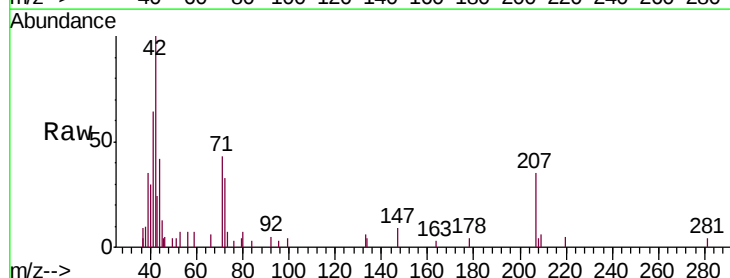
Instrument :
MSVOA_W
ClientSampleId :
TS-12

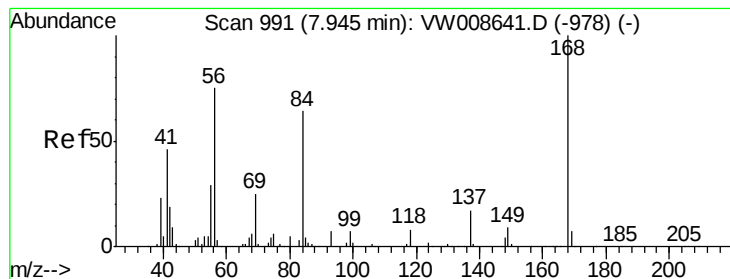
Tgt Ion: 43 Resp: 7564
Ion Ratio Lower Upper
43 100
72 30.3 19.7 29.5#



#29
Tetrahydrofuran
Concen: 5.468 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008730.D
Acq: 18 Feb 2019 15:59

Tgt Ion: 42 Resp: 4810
Ion Ratio Lower Upper
42 100
72 45.5 32.2 48.2
71 32.2 31.0 46.6





#31

Cyclohexane

Concen: 1.099 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008730.D

Acq: 18 Feb 2019 15:59

Instrument :
MSVOA_W
ClientSampled :
TS-12

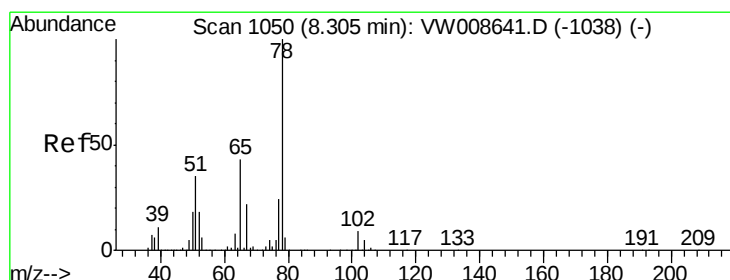
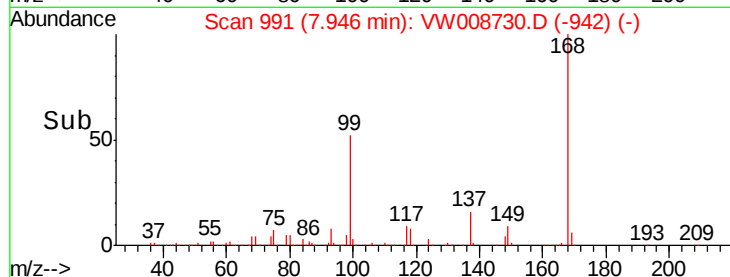
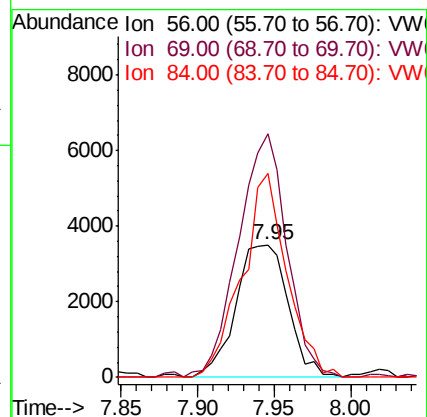
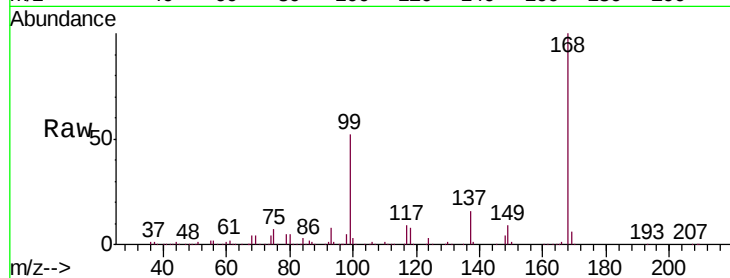
Tgt Ion: 56 Resp: 8345

Ion Ratio Lower Upper

56 100

69 183.3 26.4 39.6#

84 153.7 67.4 101.2#



#33

1,2-Dichloroethane-d4

Concen: 51.441 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008730.D

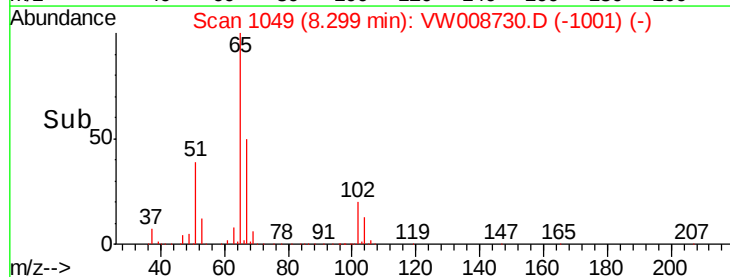
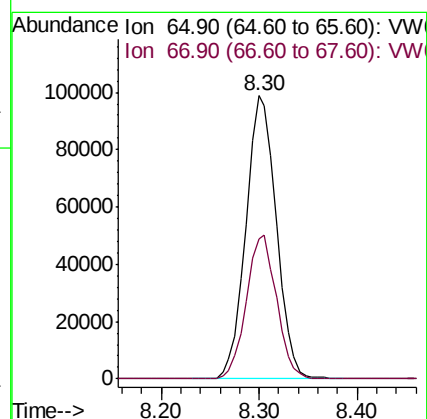
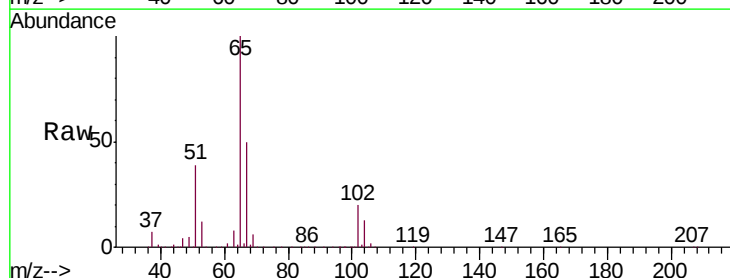
Acq: 18 Feb 2019 15:59

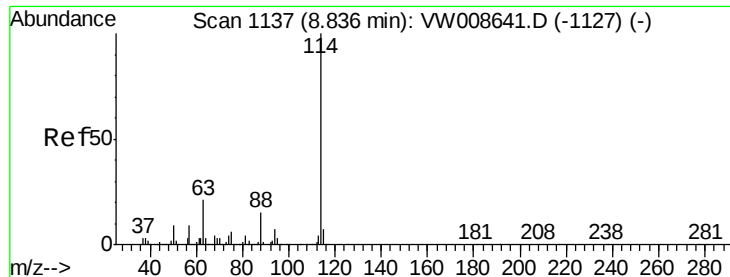
Tgt Ion: 65 Resp: 213640

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.0

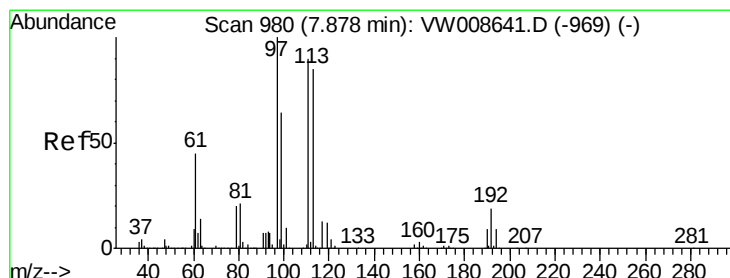
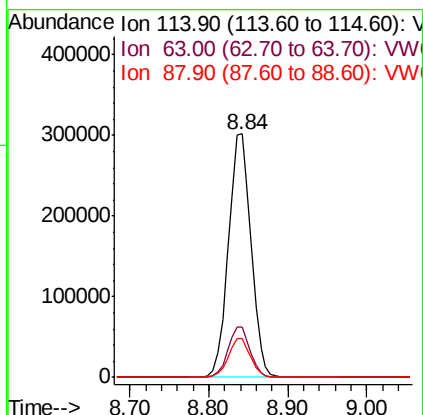
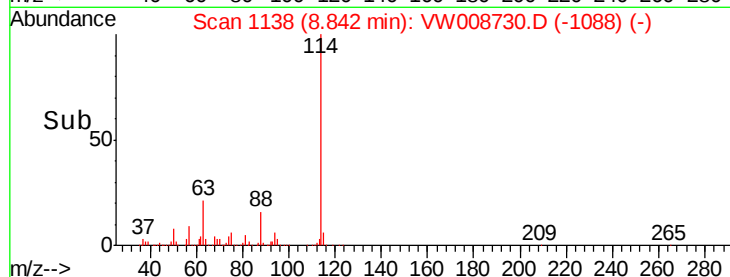
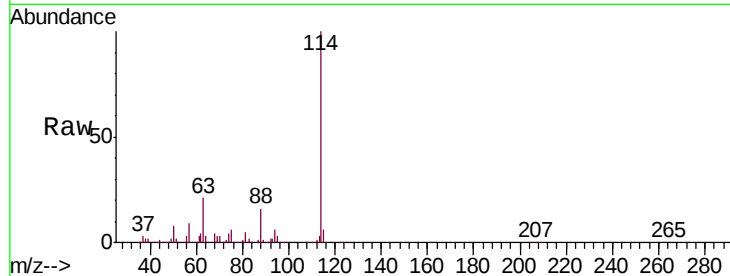




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008730.D
 Acq: 18 Feb 2019 15:59

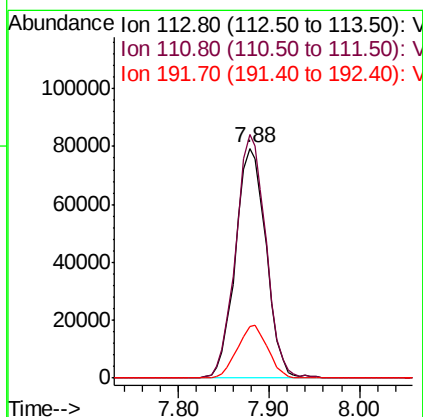
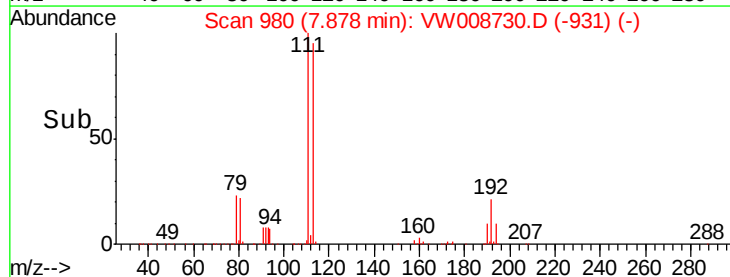
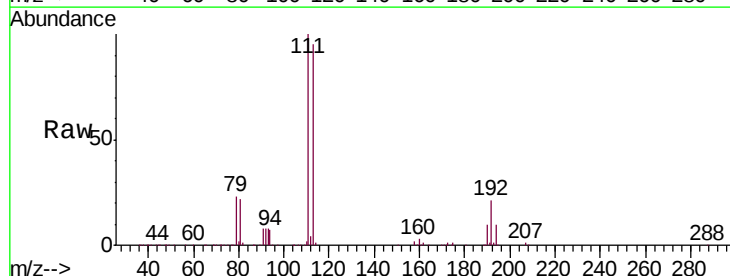
Instrument :
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 TS-12

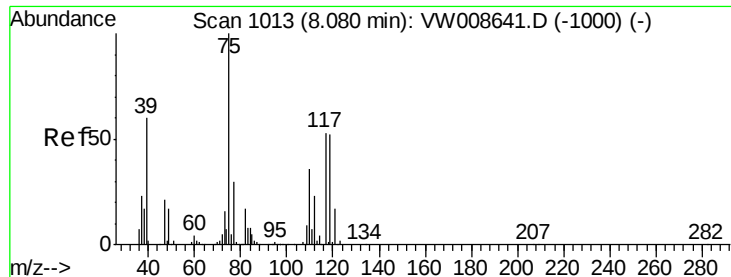
Tgt Ion:	114	Resp:	600433
Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.2
88	15.7	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 50.007 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008730.D
 Acq: 18 Feb 2019 15:59

Tgt Ion:	113	Resp:	186441
Ion	Ratio	Lower	Upper
113	100		
111	104.3	84.0	126.0
192	22.8	17.4	26.2

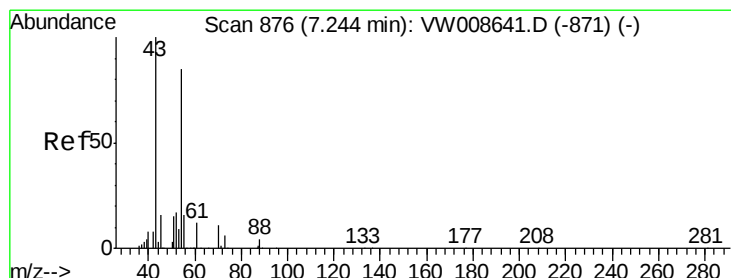
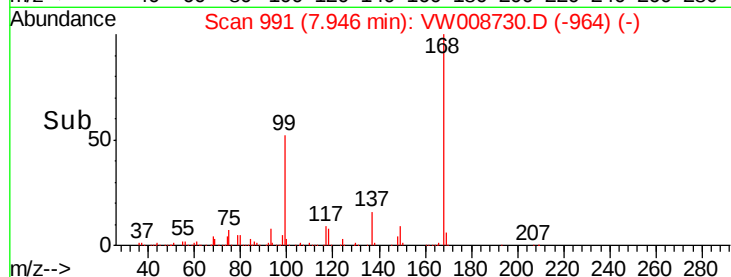
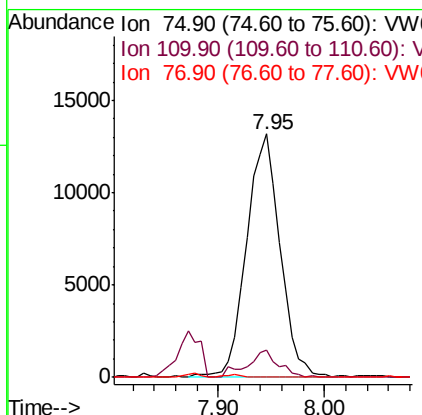
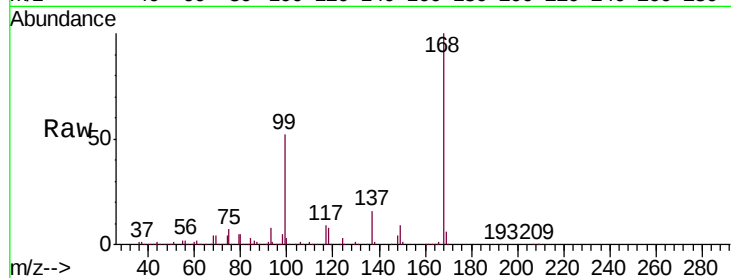




#36
 1,1-Dichloropropene
 Concen: 4.847 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008730.D
 Acq: 18 Feb 2019 15:59

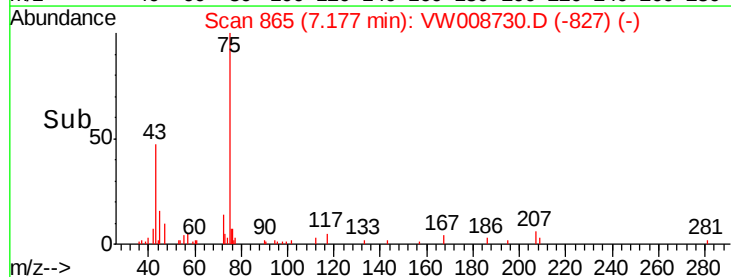
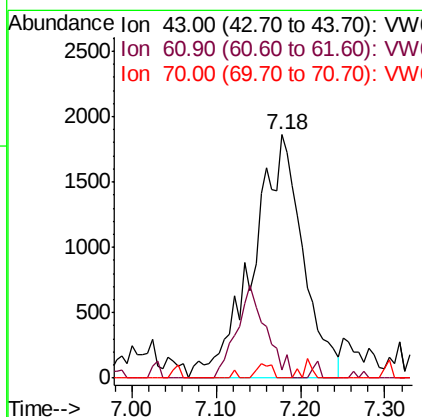
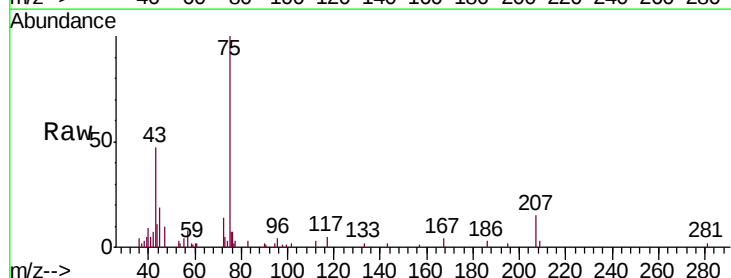
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 MSVOA_W
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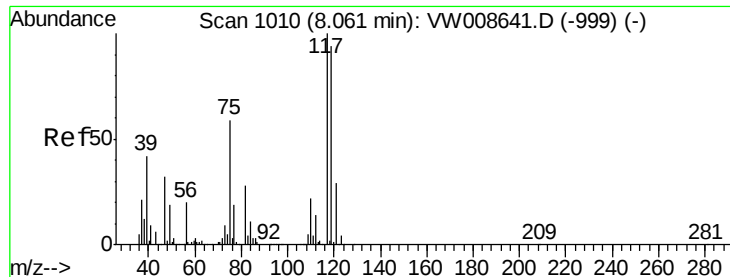
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.8	53.3#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 2.599 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW008730.D
 Acq: 18 Feb 2019 15:59

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

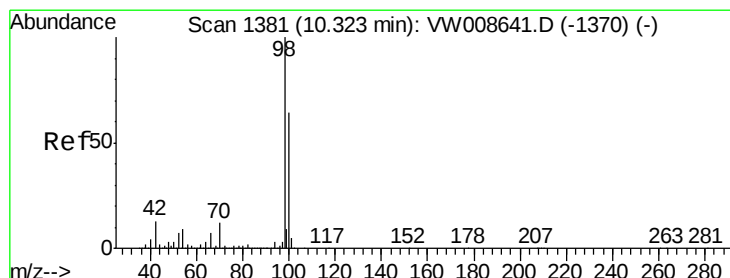
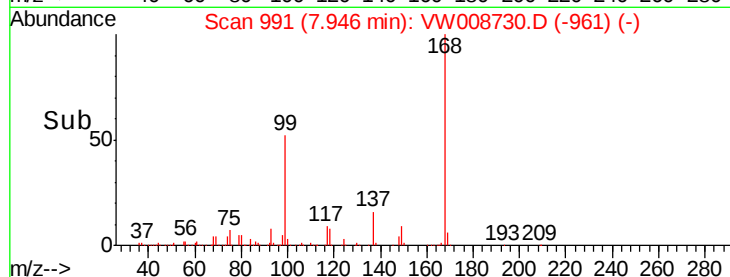
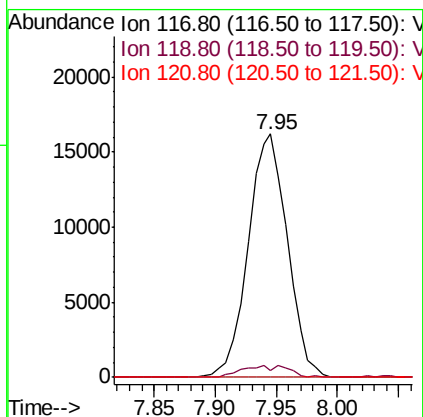
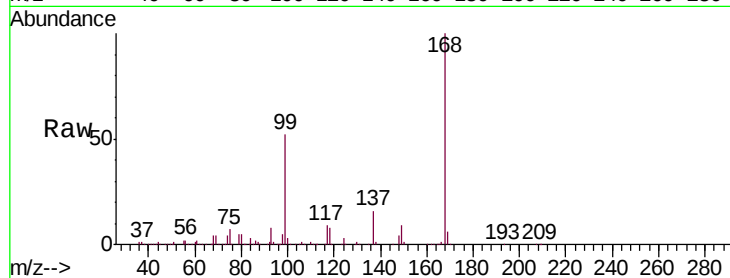




#38
Carbon Tetrachloride
Concen: 6.008 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008730.D
Acq: 18 Feb 2019 15:59

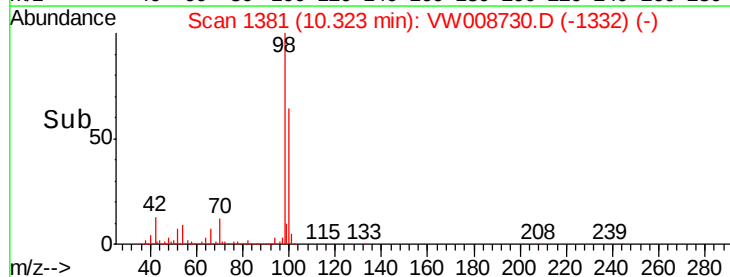
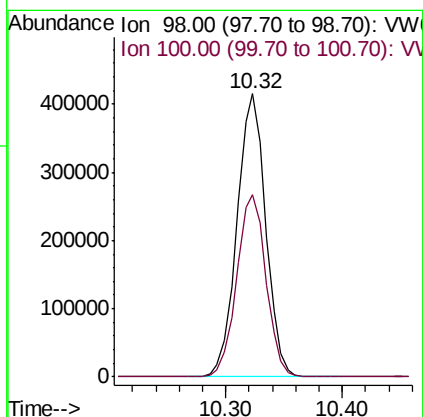
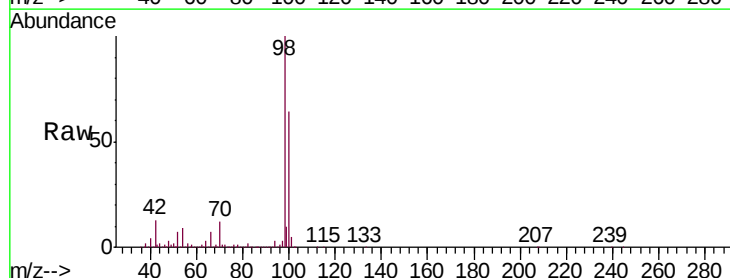
Instrument :
MSVOA_W
ClientSampled :
TS-12

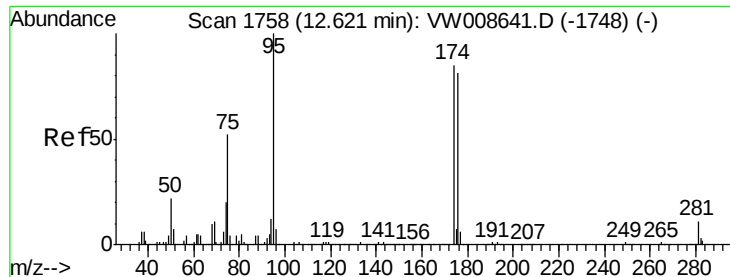
Tgt Ion:117 Resp: 36039
Ion Ratio Lower Upper
117 100
119 3.0 75.1 112.7#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 49.606 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008730.D
Acq: 18 Feb 2019 15:59

Tgt Ion: 98 Resp: 712947
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 46.346 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008730.D

Acq: 18 Feb 2019 15:59

Instrument :

MSVOA_W

ClientSampled :

TS-12

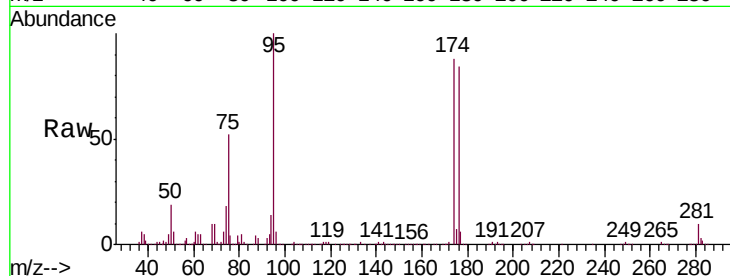
Tgt Ion: 95 Resp: 250897

Ion Ratio Lower Upper

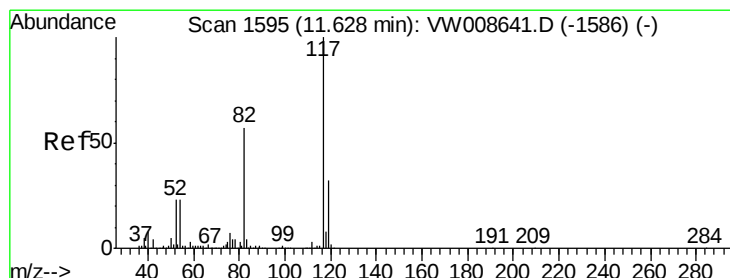
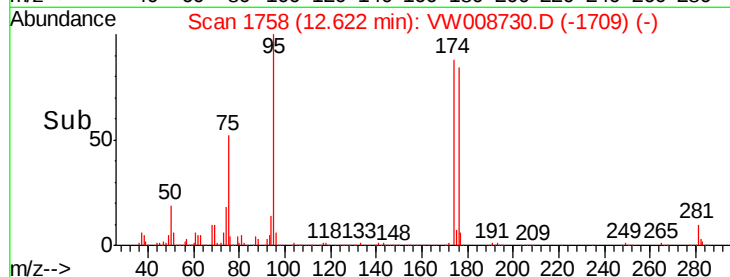
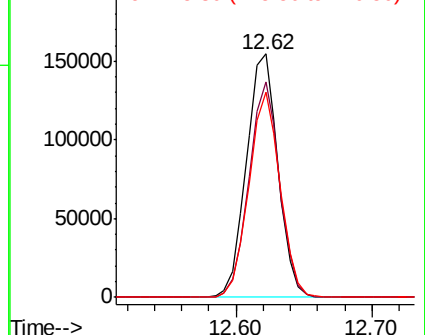
95 100

174 86.0 0.0 163.2

176 83.5 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: VW008730.D

Acq: 18 Feb 2019 15:59

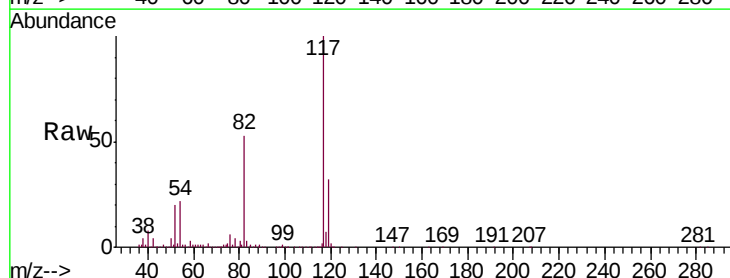
Tgt Ion: 117 Resp: 532390

Ion Ratio Lower Upper

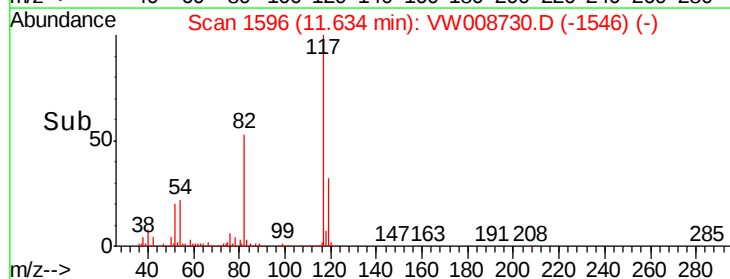
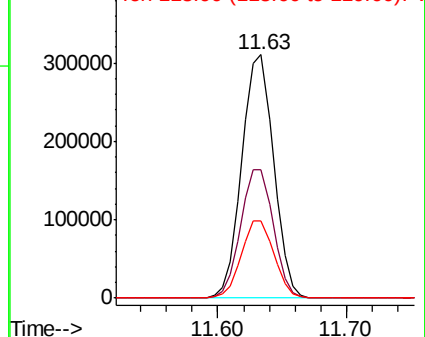
117 100

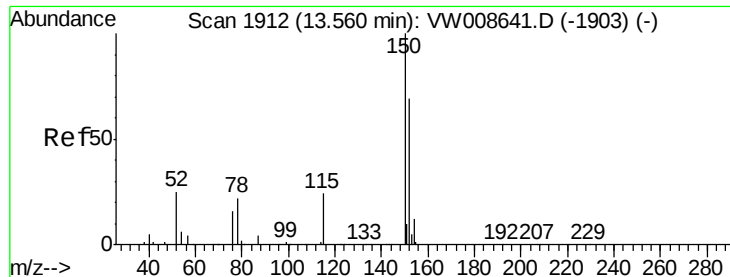
82 52.8 45.6 68.4

119 31.5 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



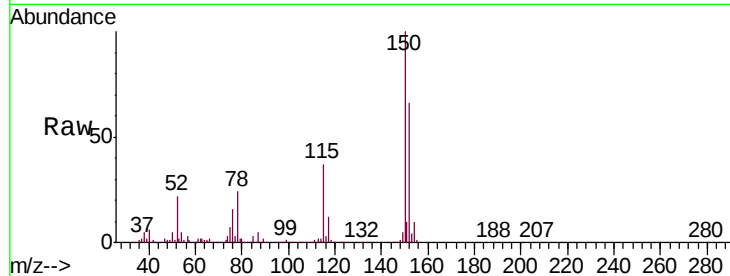


#72

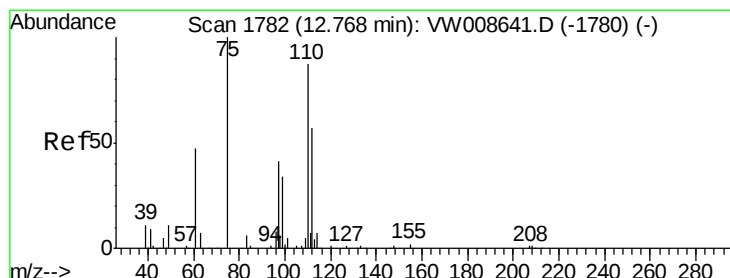
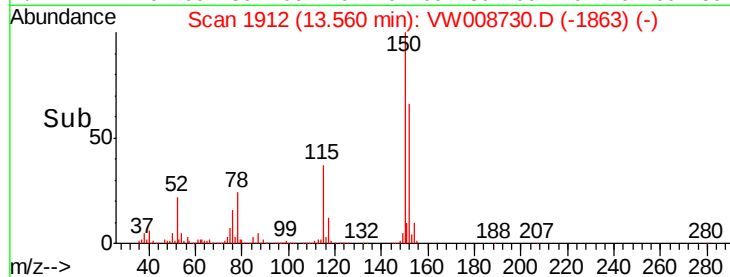
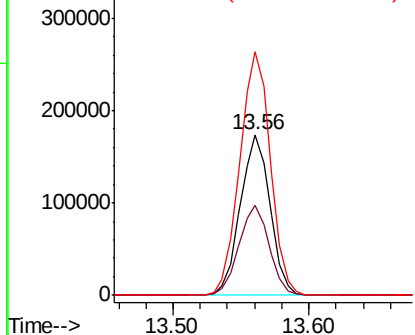
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008730.D
Acq: 18 Feb 2019 15:59

Instrument :
MSVOA_W
ClientSampleId :
TS-12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	29.3	87.8
150	155.8	0.0	352.8



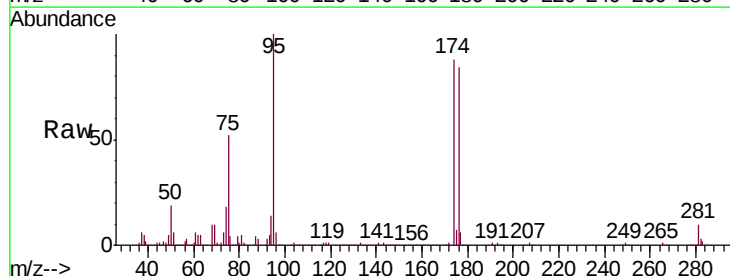
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



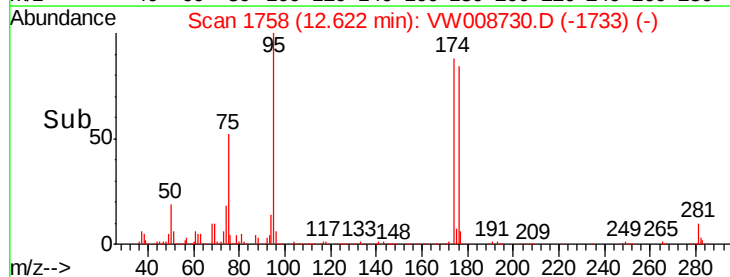
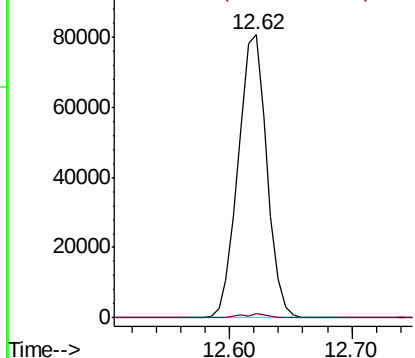
#76

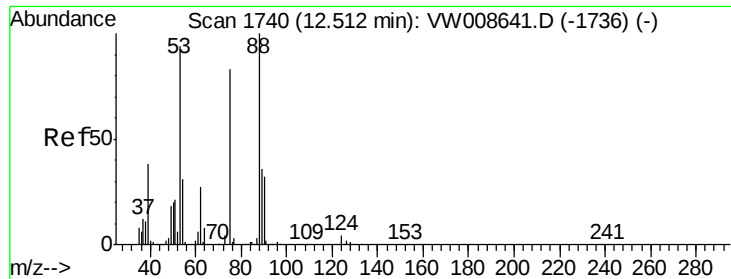
1,2,3-Trichloropropane
Concen: 49.884 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008730.D
Acq: 18 Feb 2019 15:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 106.961 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008730.D

Acq: 18 Feb 2019 15:59

Instrument :

MSVOA_W

ClientSampleId :

TS-12

Tgt Ion: 75 Resp: 130705

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.1 37.0 55.4#

