

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021419\
 Data File : VW008665.D
 Acq On : 14 Feb 2019 14:47
 Operator : SY/VA
 Sample : K1350-09RE
 Misc : 6.97G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-02-021319-C

Quant Time: Feb 15 02:48:40 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	349582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	524325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	467043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	227241	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	200499	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
35) Dibromofluoromethane	7.88	113	165989	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	10.32	98	619052	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.62	95	219759	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	

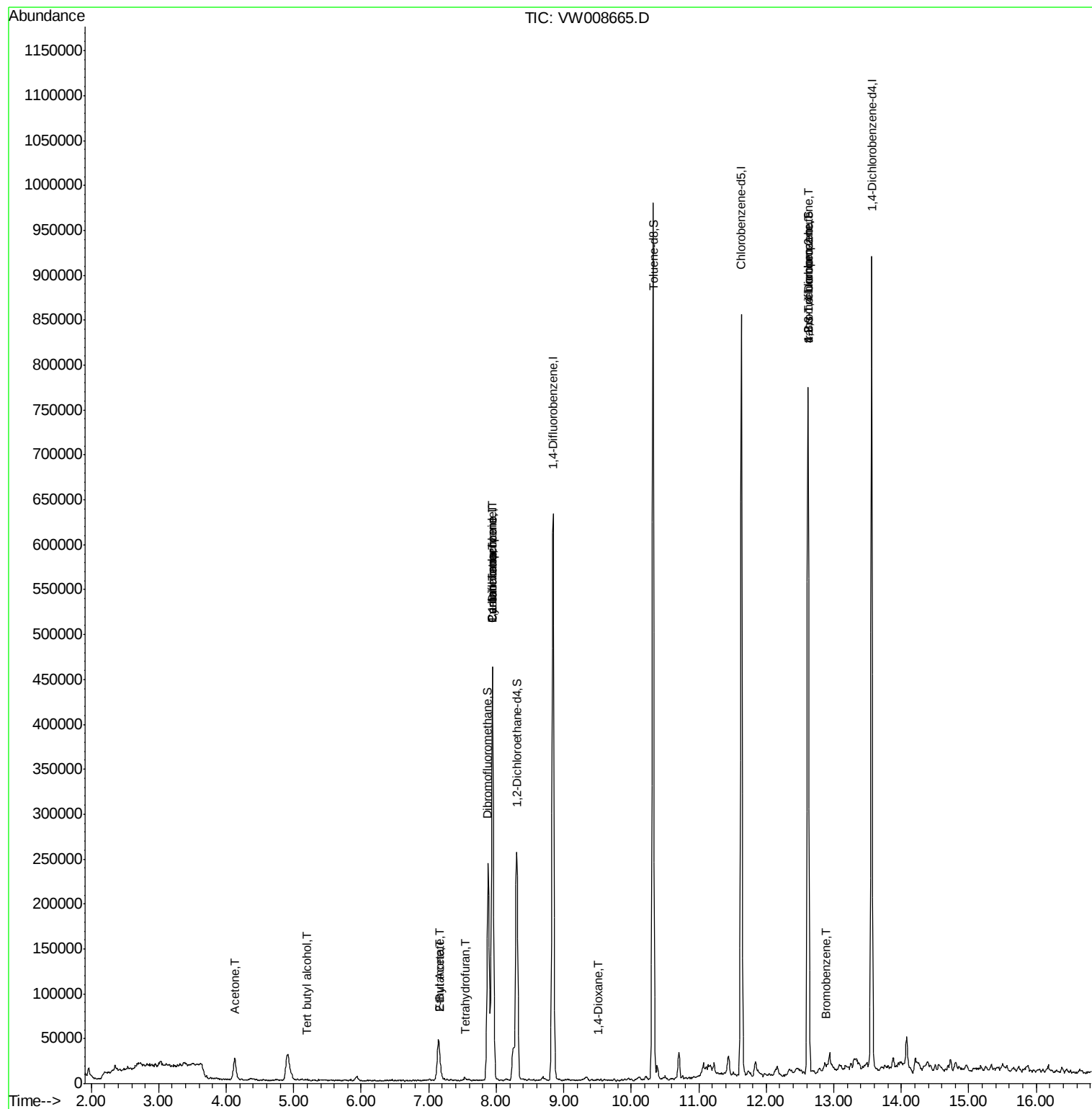
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	1128	3.879	ug/l #	92
16) Acetone	4.12	43	43767	52.921	ug/l	94
25) 2-Butanone	7.17	43	7238	6.198	ug/l #	88
29) Tetrahydrofuran	7.56	42	3078	3.999	ug/l #	36
31) Cyclohexane	7.95	56	8620	1.297	ug/l #	40
36) 1,1-Dichloropropene	7.94	75	26191	4.972	ug/l #	50
37) Ethyl Acetate	7.17	43	6807	2.679	ug/l #	70
38) Carbon Tetrachloride	7.95	117	33370	6.371	ug/l #	16
49) 1,4-Dioxane	9.51	88	65	2.076	ug/l #	32
76) 1,2,3-Trichloropropane	12.62	75	115054	51.274	ug/l #	100
77) Bromobenzene	12.90	156	4749	1.221	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	115054	109.872	ug/l #	7

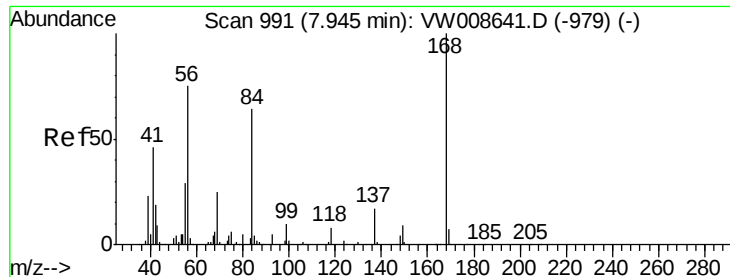
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008665.D

Acq: 14 Feb 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

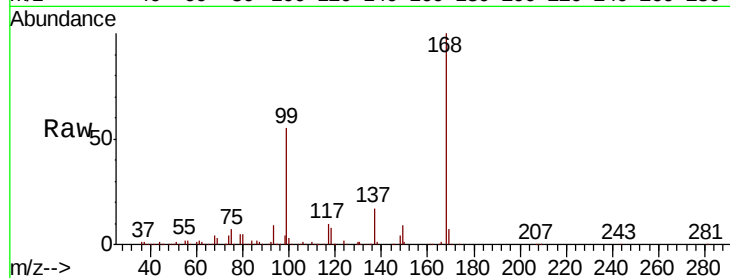
EO-02-021319-C

Tgt Ion:168 Resp: 349582

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

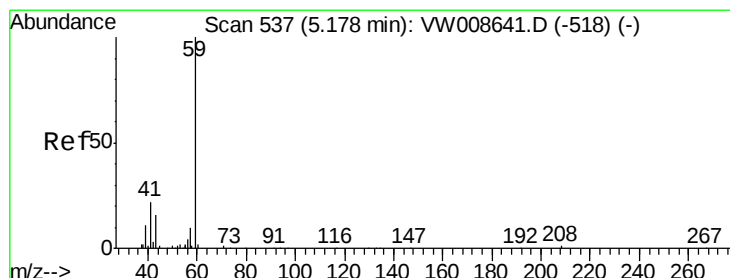
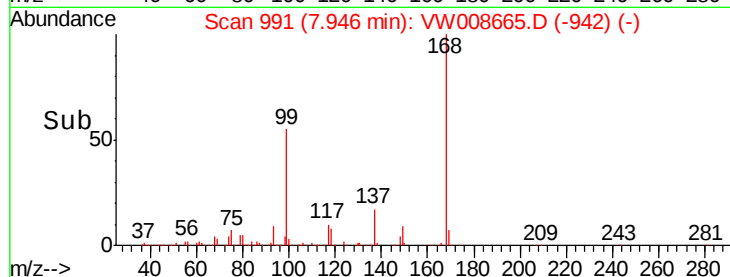
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.879 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW008665.D

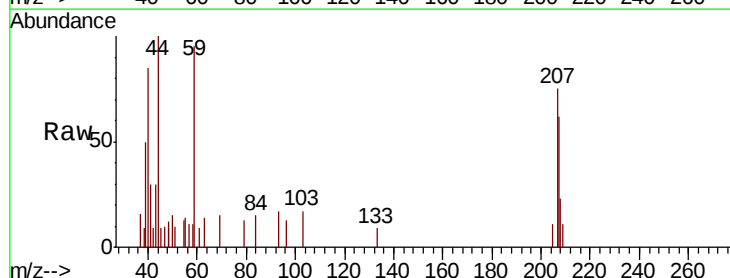
Acq: 14 Feb 2019 14:47

Tgt Ion: 59 Resp: 1128

Ion Ratio Lower Upper

59 100

57 13.2 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

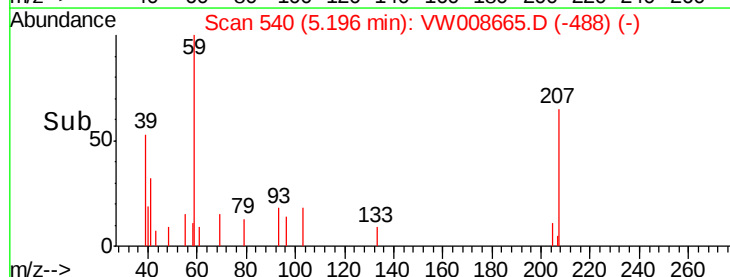
600

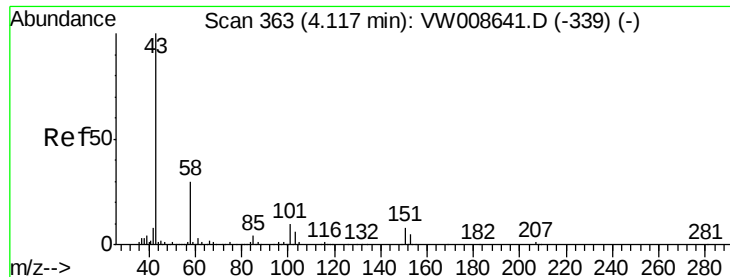
400

200

0

Time-->





#16

Acetone

Concen: 52.921 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008665.D

Acq: 14 Feb 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

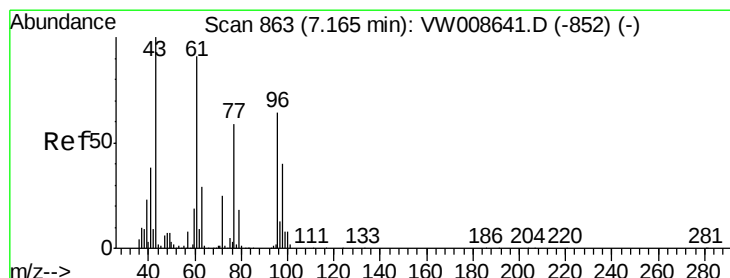
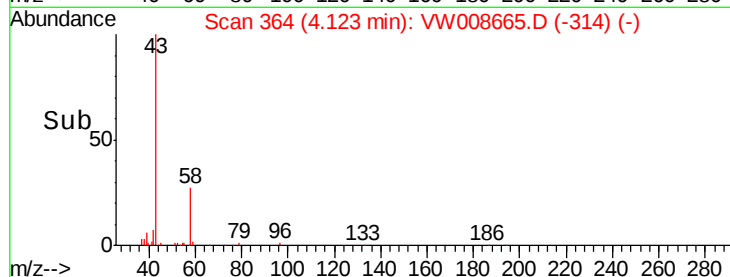
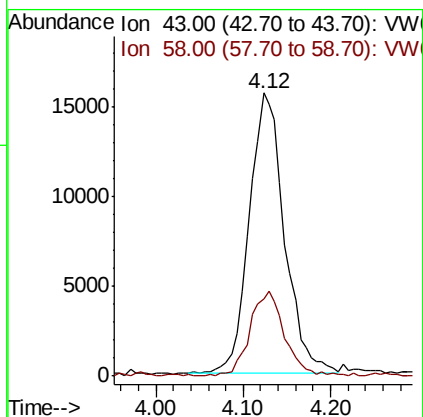
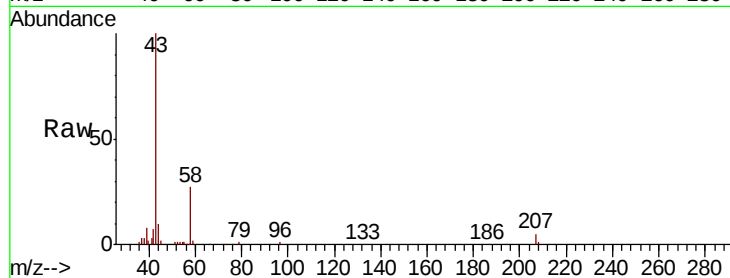
EO-02-021319-C

Tgt Ion: 43 Resp: 43767

Ion Ratio Lower Upper

43 100

58 26.8 24.1 36.1



#25

2-Butanone

Concen: 6.198 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008665.D

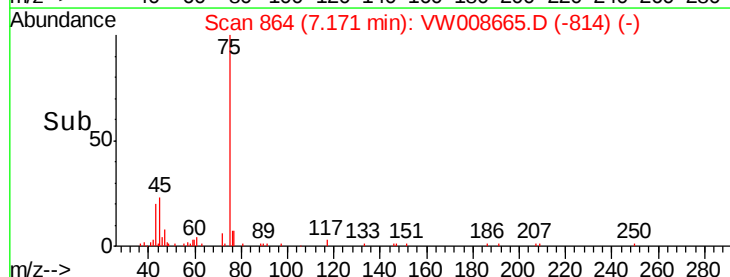
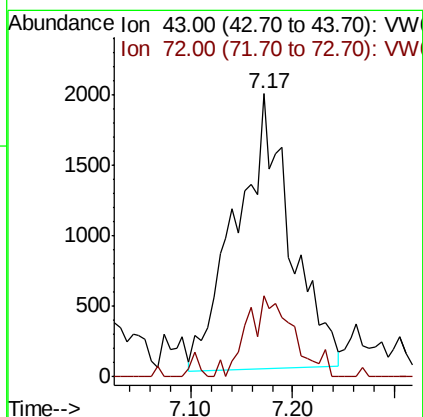
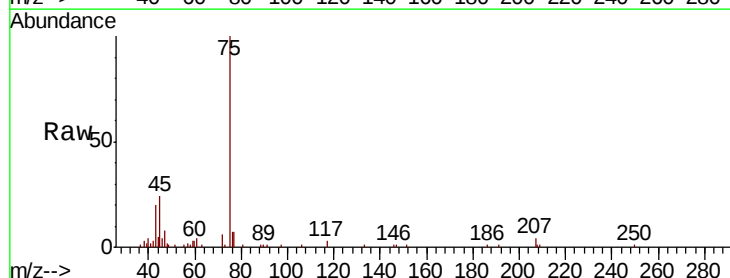
Acq: 14 Feb 2019 14:47

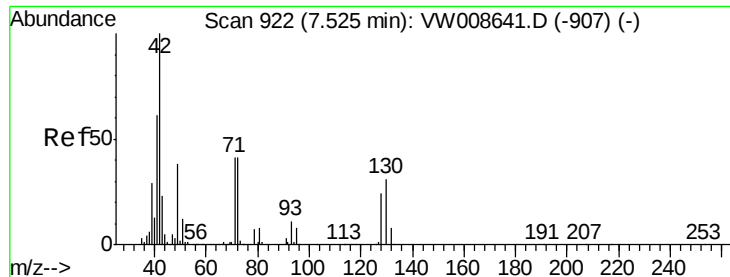
Tgt Ion: 43 Resp: 7238

Ion Ratio Lower Upper

43 100

72 30.5 19.7 29.5#





#29

Tetrahydrofuran

Concen: 3.999 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.03 min

Lab File: VW008665.D

Acq: 14 Feb 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

EO-02-021319-C

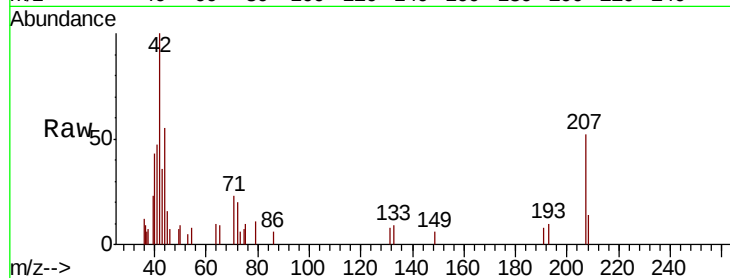
Tgt Ion: 42 Resp: 3078

Ion Ratio Lower Upper

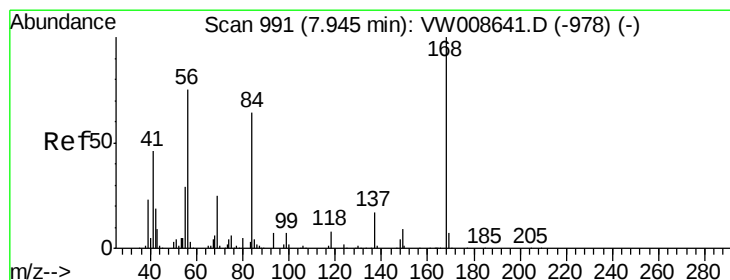
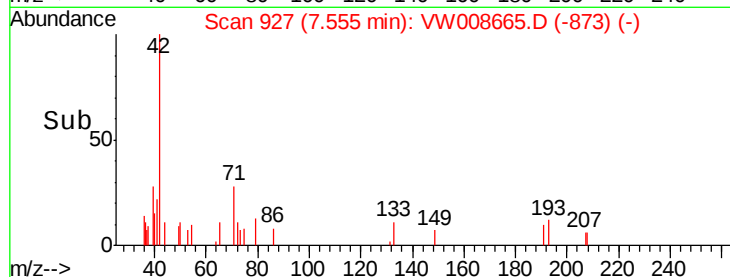
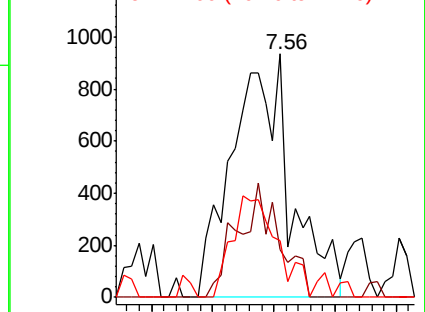
42 100

72 0.0 32.2 48.2#

71 0.0 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: 1.297 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008665.D

Acq: 14 Feb 2019 14:47

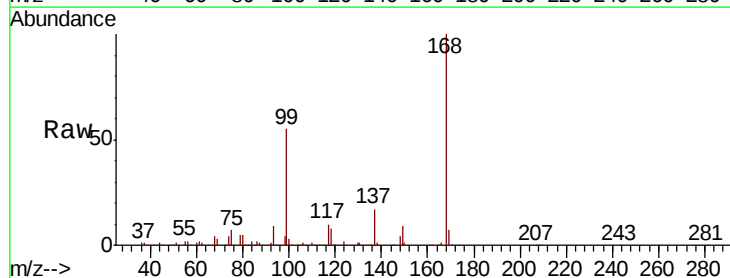
Tgt Ion: 56 Resp: 8620

Ion Ratio Lower Upper

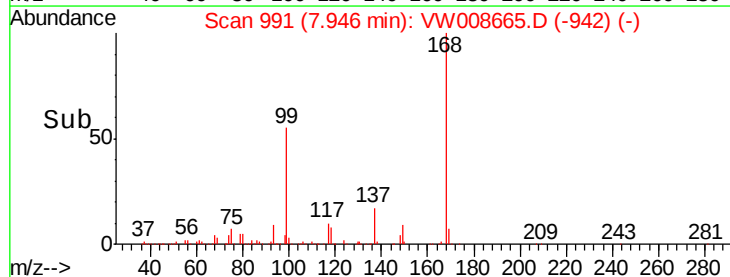
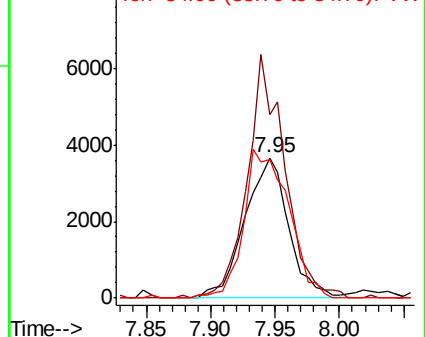
56 100

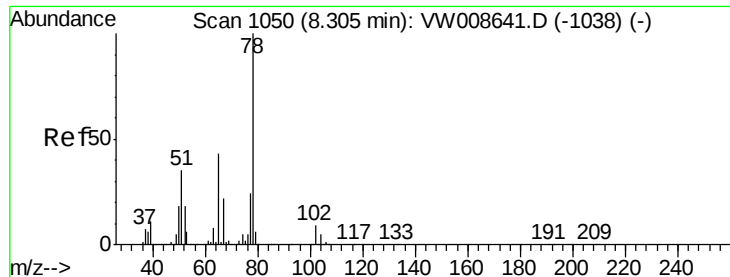
69 130.5 26.4 39.6#

84 98.4 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: 55.167 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008665.D

Acq: 14 Feb 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

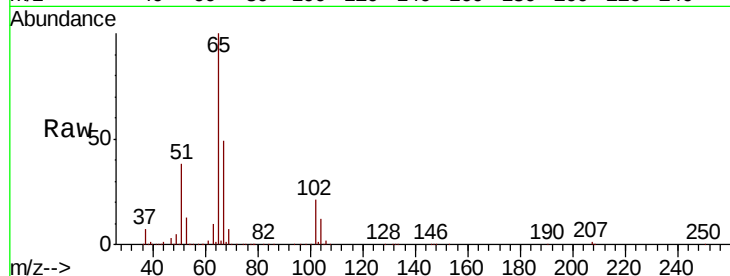
EO-02-021319-C

Tgt Ion: 65 Resp: 200499

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

8.31

100000

80000

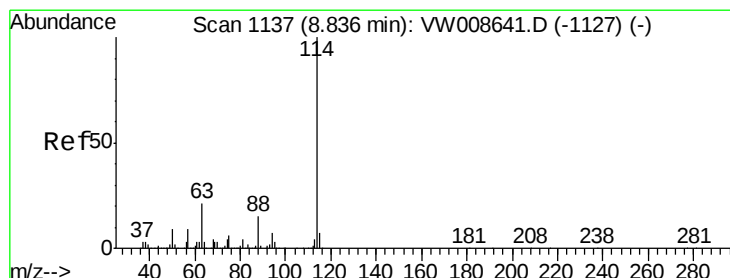
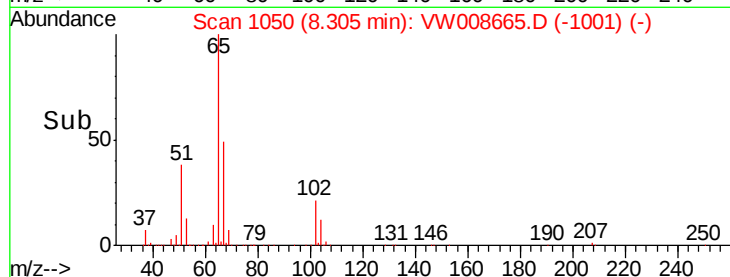
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008665.D

Acq: 14 Feb 2019 14:47

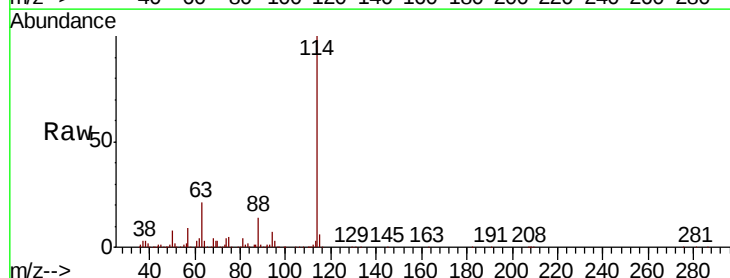
Tgt Ion: 114 Resp: 524325

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.2

88 14.3 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

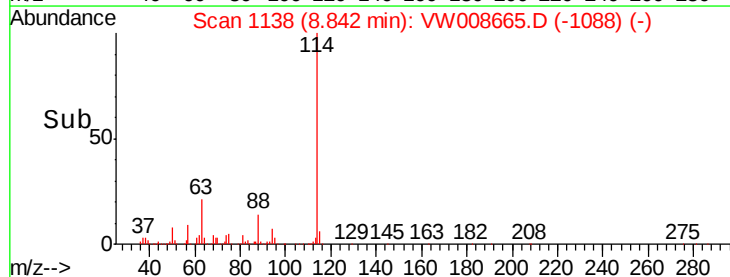
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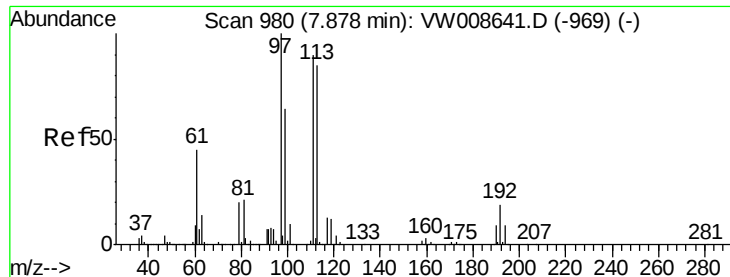
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.984 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW008665.D

Acq: 14 Feb 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

EO-02-021319-C

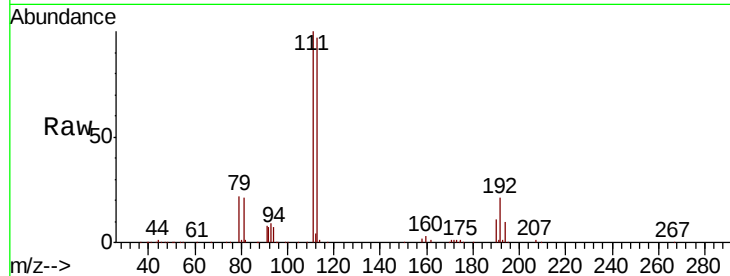
Tgt Ion:113 Resp: 165989

Ion Ratio Lower Upper

113 100

111 103.0 84.0 126.0

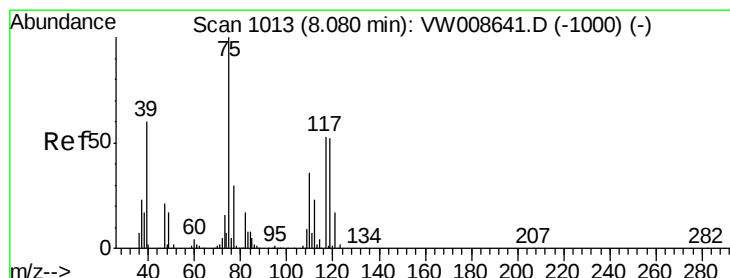
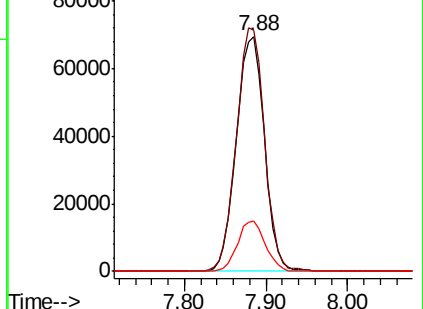
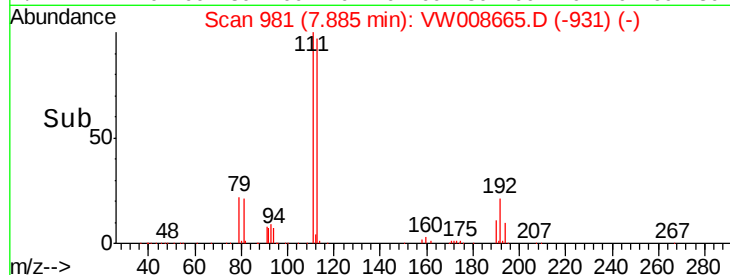
192 21.1 17.4 26.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.972 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008665.D

Acq: 14 Feb 2019 14:47

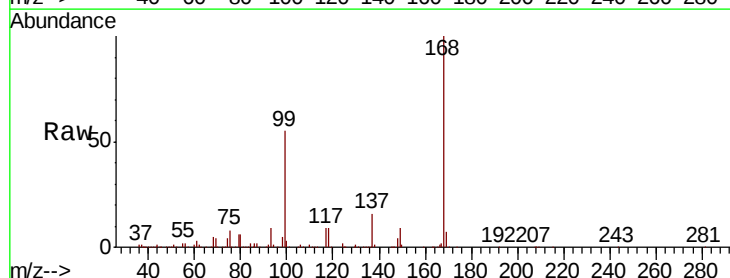
Tgt Ion: 75 Resp: 26191

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.3#

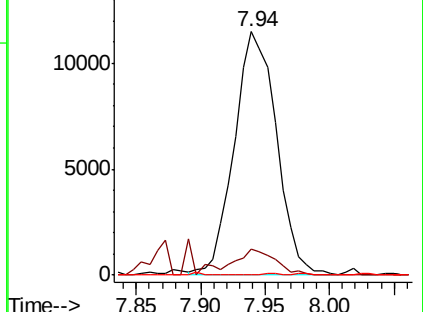
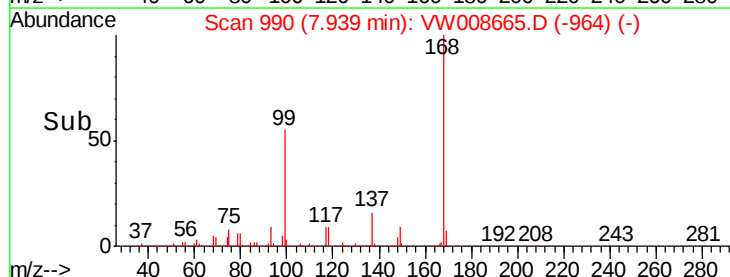
77 0.2 24.7 37.1#

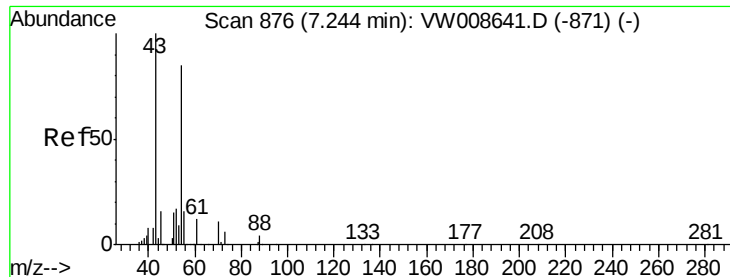


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

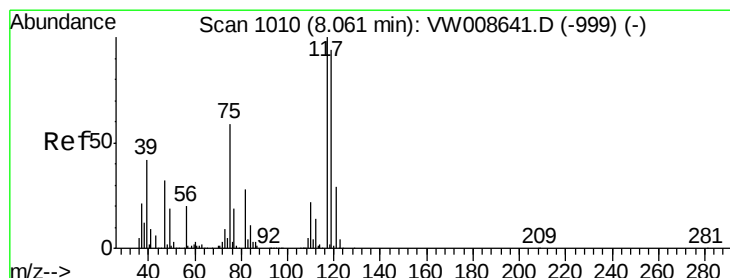
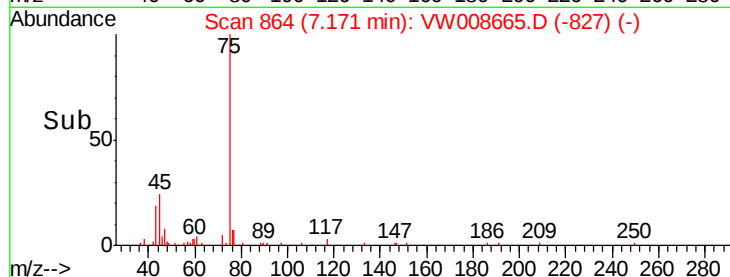
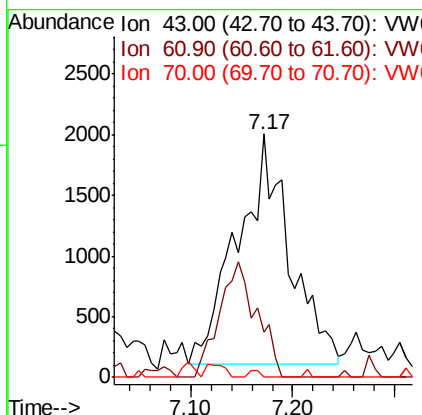
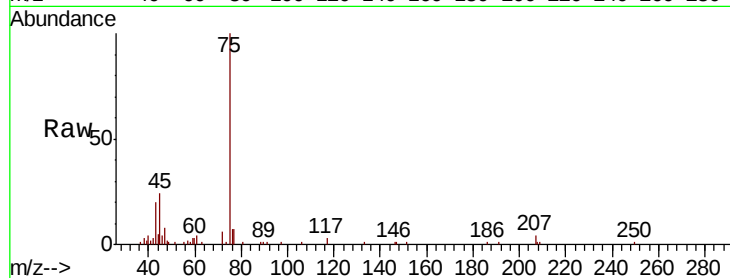




#37
Ethyl Acetate
Concen: 2.679 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.07 min
Lab File: VW008665.D
Acq: 14 Feb 2019 14:47

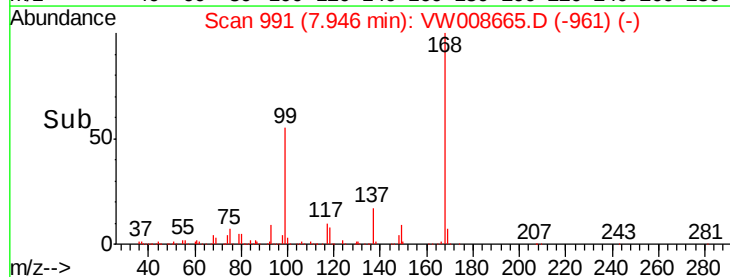
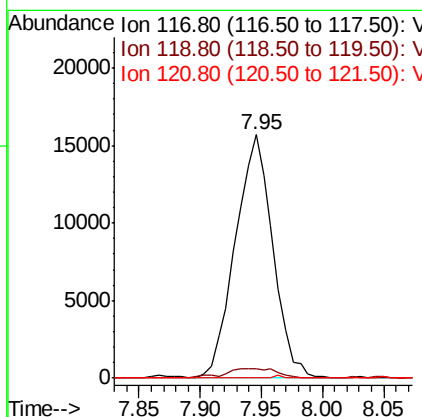
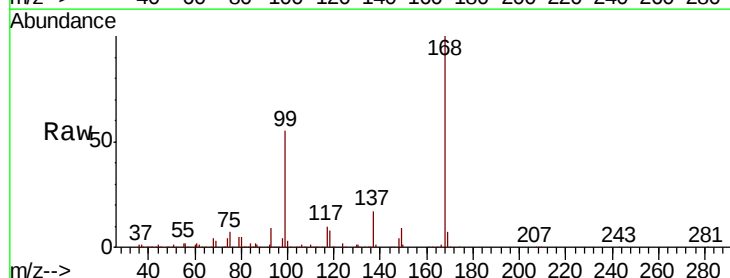
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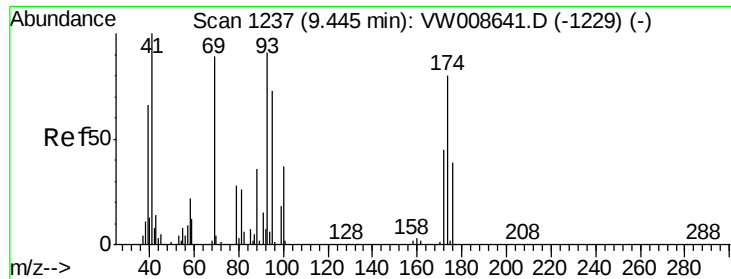
Tgt Ion: 43 Resp: 6807
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.6 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 6.371 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008665.D
Acq: 14 Feb 2019 14:47

Tgt Ion: 117 Resp: 33370
Ion Ratio Lower Upper
117 100
119 3.9 75.1 112.7#
121 0.0 23.5 35.3#

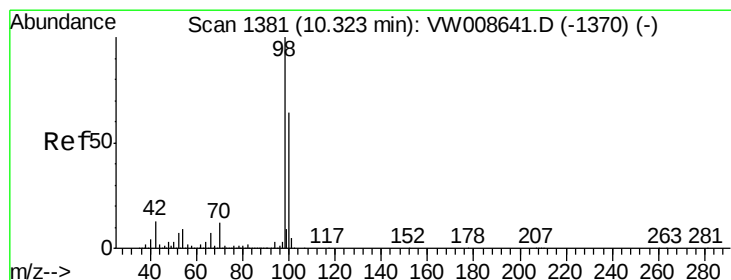
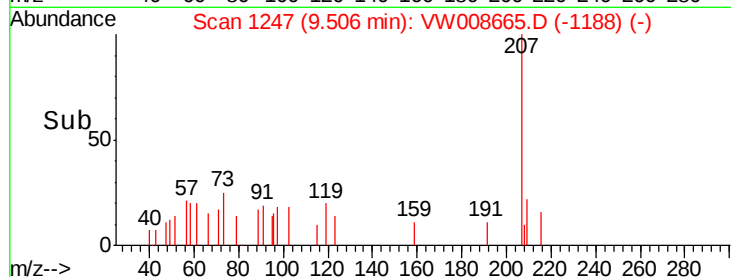
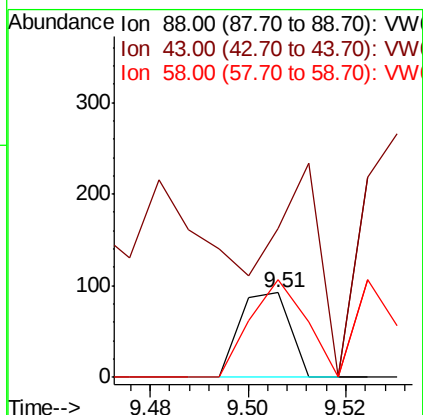
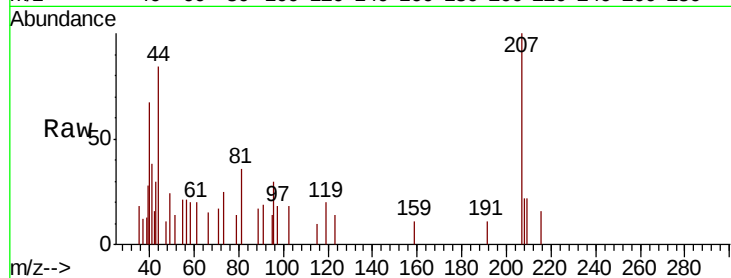




#49
1,4-Dioxane
Concen: 2.076 ug/l
RT: 9.51 min Scan# 1247
Delta R.T. 0.06 min
Lab File: VW008665.D
Acq: 14 Feb 2019 14:47

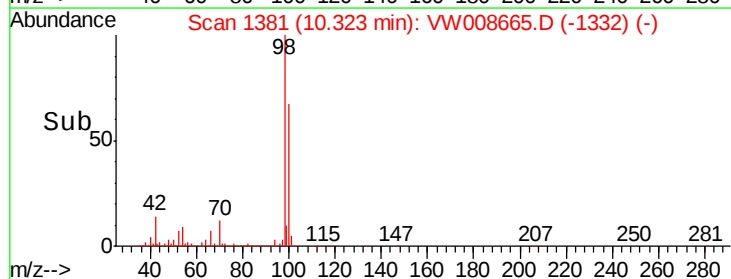
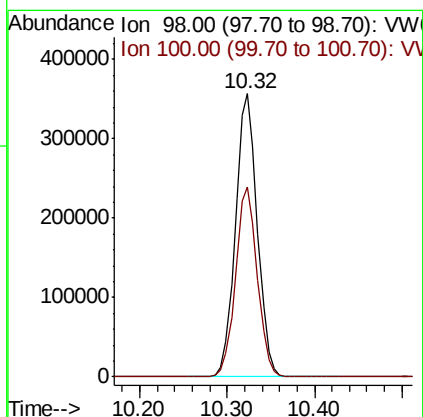
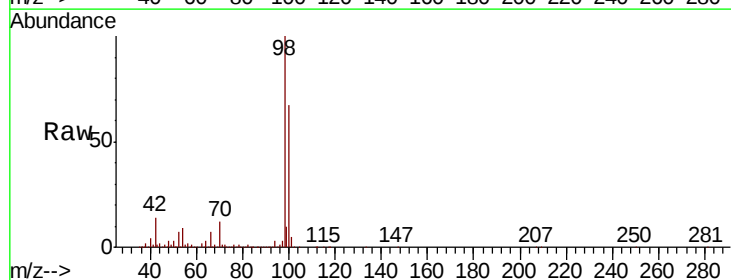
Instrument :
MSVOA_W
ClientSampled :
EO-02-021319-C

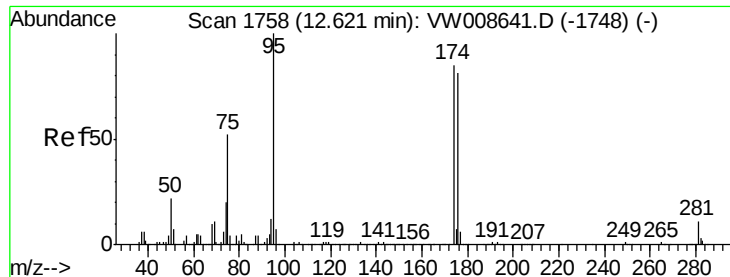
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 129.2 57.0 85.6#



#50
Toluene-d8
Concen: 49.325 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008665.D
Acq: 14 Feb 2019 14:47

Tgt Ion: 98 Resp: 619052
Ion Ratio Lower Upper
98 100
100 66.8 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 46.487 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008665.D

Acq: 14 Feb 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

EO-02-021319-C

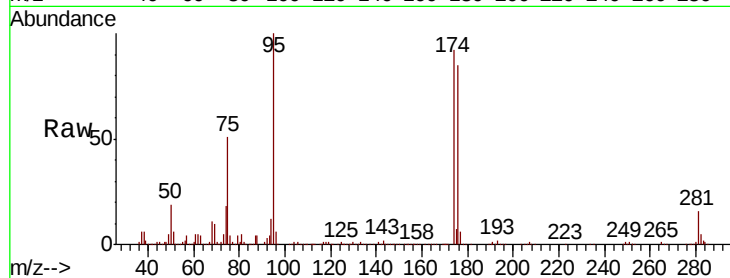
Tgt Ion: 95 Resp: 219759

Ion Ratio Lower Upper

95 100

174 86.9 0.0 163.2

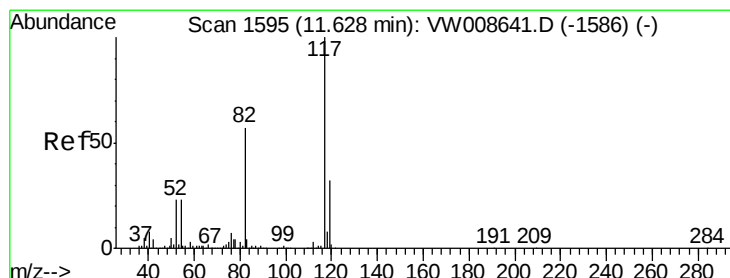
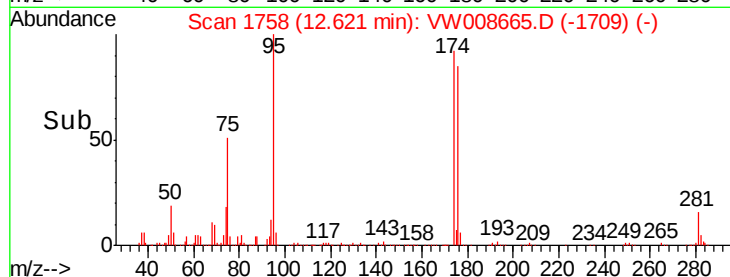
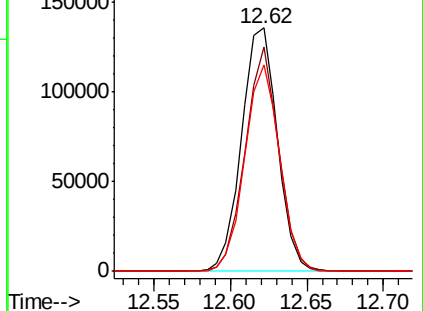
176 83.3 0.0 158.0



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# 1595

Delta R.T. 0.00 min

Lab File: VW008665.D

Acq: 14 Feb 2019 14:47

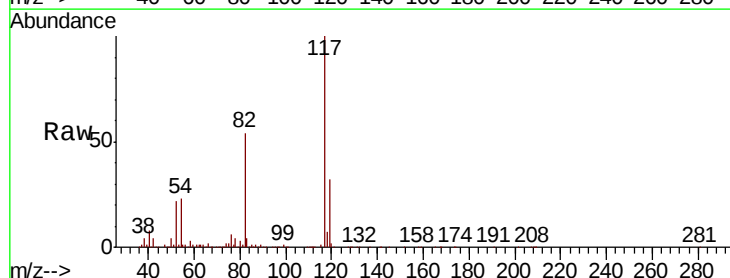
Tgt Ion: 117 Resp: 467043

Ion Ratio Lower Upper

117 100

82 54.4 45.6 68.4

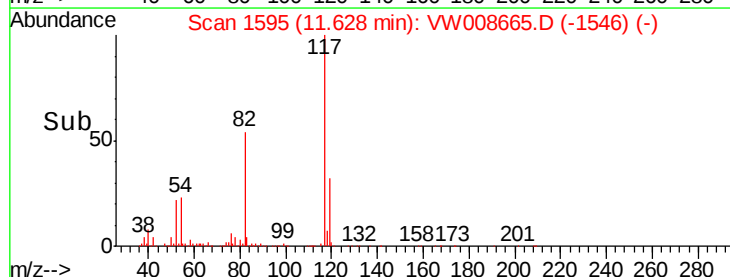
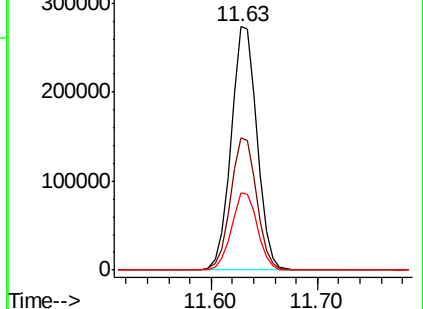
119 31.7 25.7 38.5

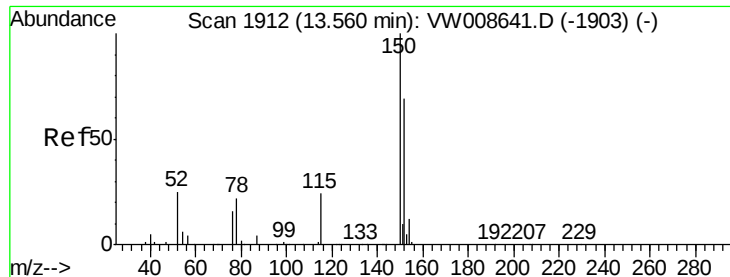


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008665.D

Acq: 14 Feb 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

EO-02-021319-C

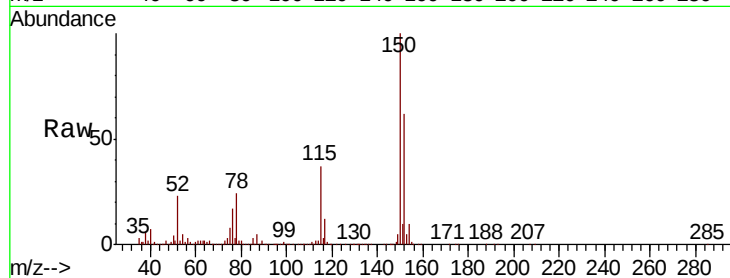
Tgt Ion: 152 Resp: 227241

Ion Ratio Lower Upper

152 100

115 56.8 29.3 87.8

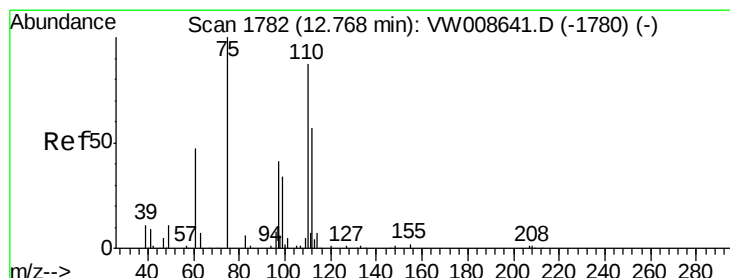
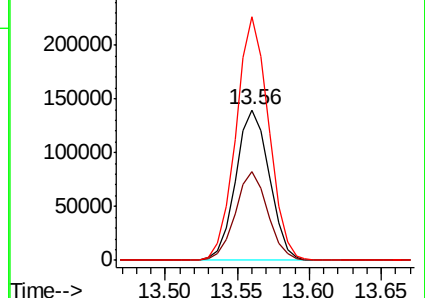
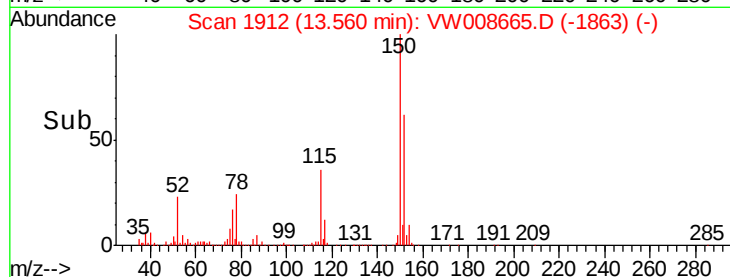
150 157.3 0.0 352.8



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: 51.274 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008665.D

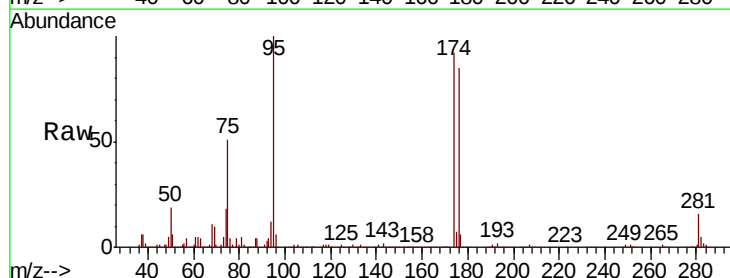
Acq: 14 Feb 2019 14:47

Tgt Ion: 75 Resp: 115054

Ion Ratio Lower Upper

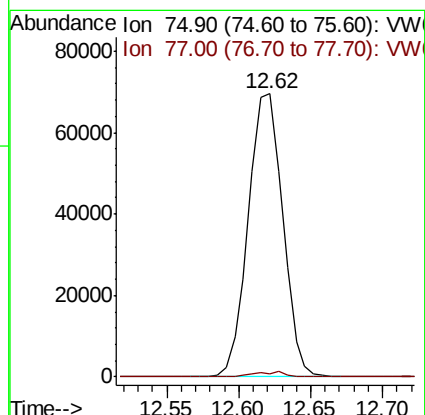
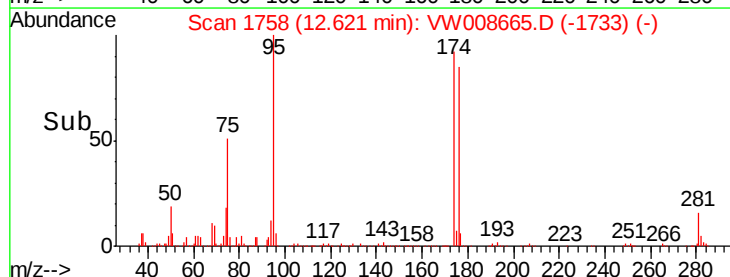
75 100

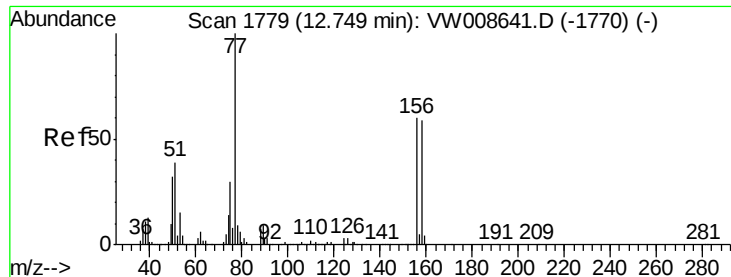
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.221 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.15 min

Lab File: VW008665.D

Acq: 14 Feb 2019 14:47

Instrument :

MSVOA_W

ClientSampleId :

EO-02-021319-C

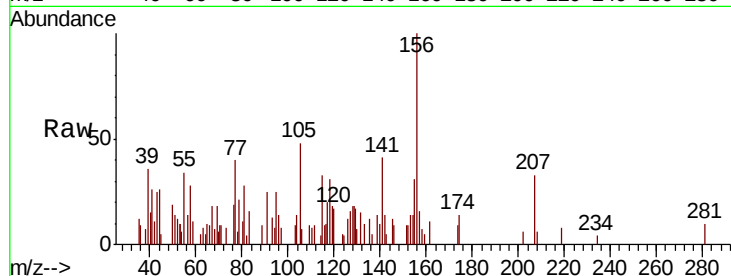
Tgt Ion:156 Resp: 4749

Ion Ratio Lower Upper

156 100

77 10.3 93.2 279.5#

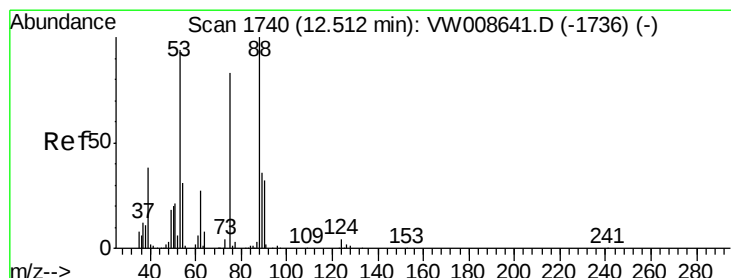
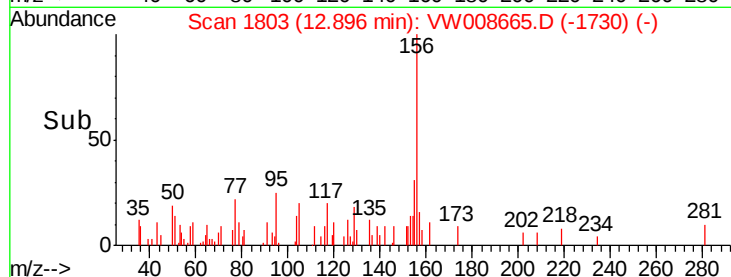
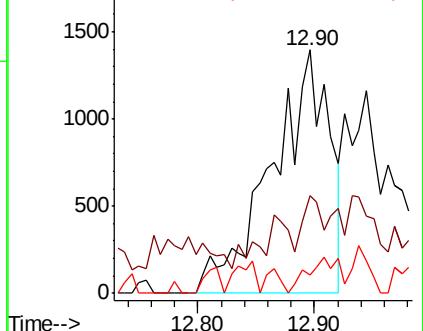
158 8.0 48.5 145.5#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 109.872 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008665.D

Acq: 14 Feb 2019 14:47

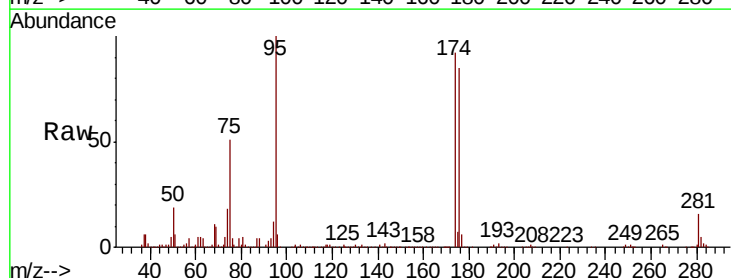
Tgt Ion: 75 Resp: 115054

Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.0#

89 0.5 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

