

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102718\
 Data File : VW006397.D
 Acq On : 26 Oct 2018 08:37
 Operator : SY/AP
 Sample : J5618-05RE
 Misc : 6.44G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 26 11:15:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	202266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	290974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	234479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	90744	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	103050	61.45	ug/l	0.00
Spiked Amount			Recovery	=	122.90%	
35) Dibromofluoromethane	7.88	113	99707	57.99	ug/l	0.00
Spiked Amount			Recovery	=	115.98%	
50) Toluene-d8	10.33	98	343725	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.62	95	90639	36.89	ug/l	0.00
Spiked Amount			Recovery	=	73.78%	

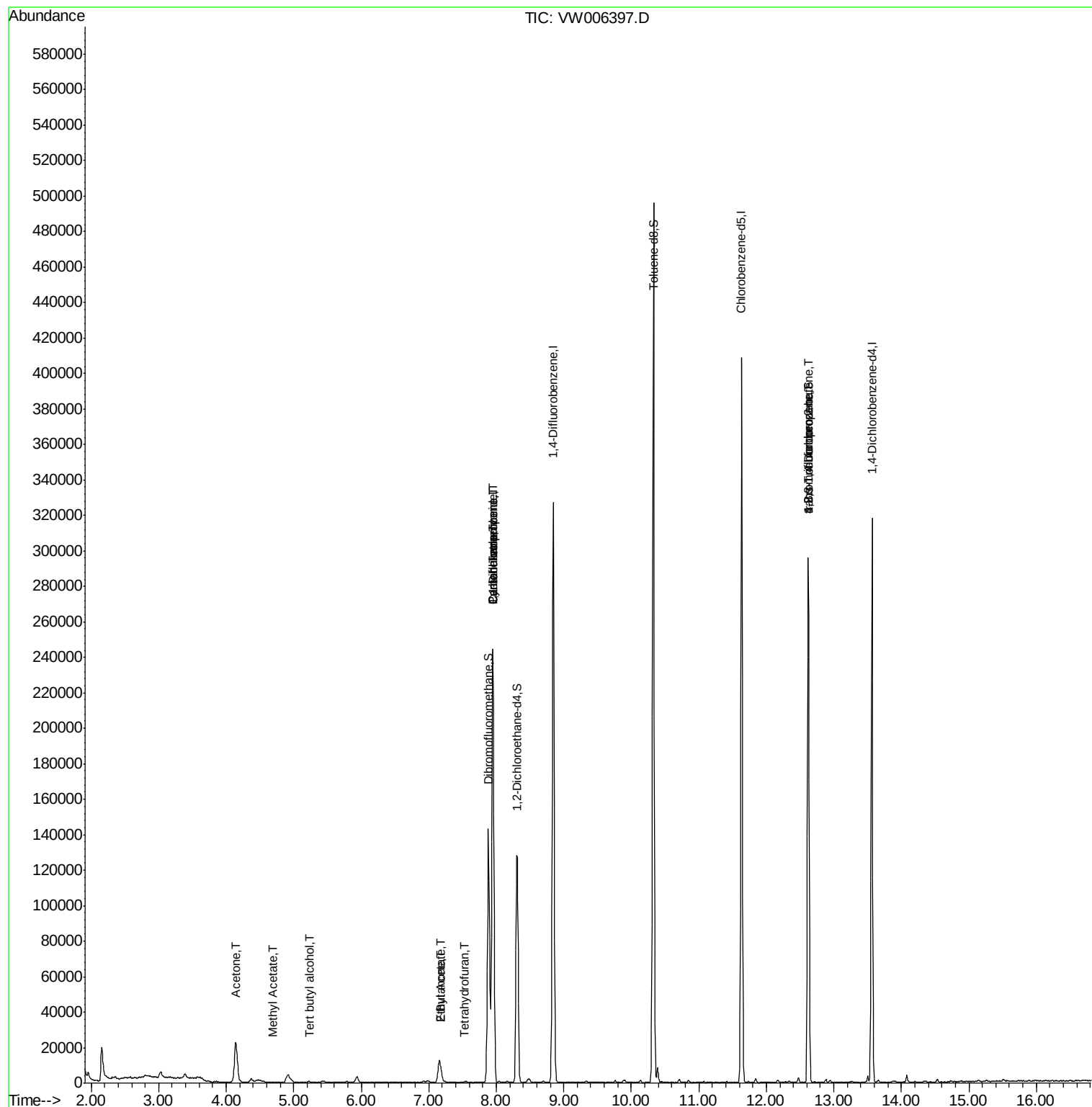
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	834	7.395	ug/l #	71
16) Acetone	4.14	43	45772	138.916	ug/l	98
18) Methyl Acetate	4.68	43	870	1.031	ug/l #	49
25) 2-Butanone	7.18	43	5347	11.803	ug/l	100
29) Tetrahydrofuran	7.53	42	282	1.013	ug/l #	44
31) Cyclohexane	7.95	56	3677	1.198	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13040	4.862	ug/l #	48
37) Ethyl Acetate	7.18	43	5347	5.366	ug/l #	67
38) Carbon Tetrachloride	7.95	117	17951	6.106	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	45846	66.146	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	45846	158.115	ug/l #	10

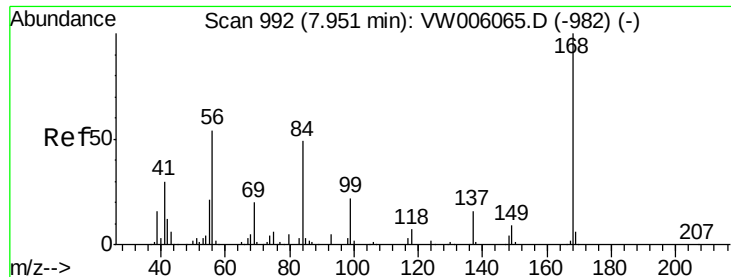
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006397.D

Acq: 26 Oct 2018 08:37

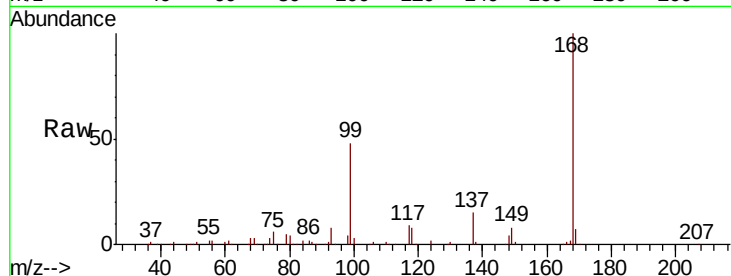
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 202266

Ion Ratio Lower Upper

168 100

99 48.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

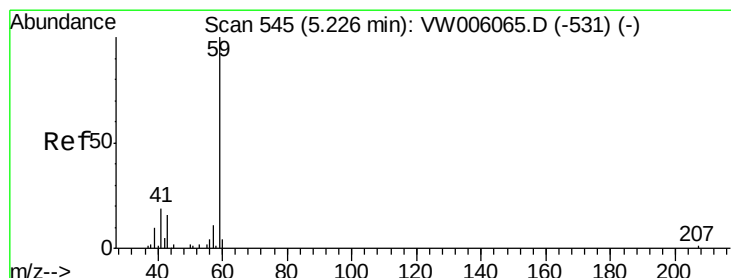
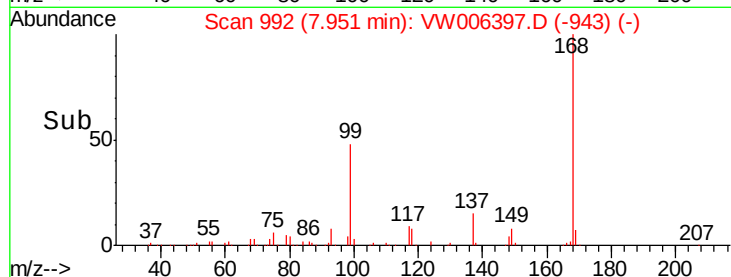
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.395 ug/l

RT: 5.23 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW006397.D

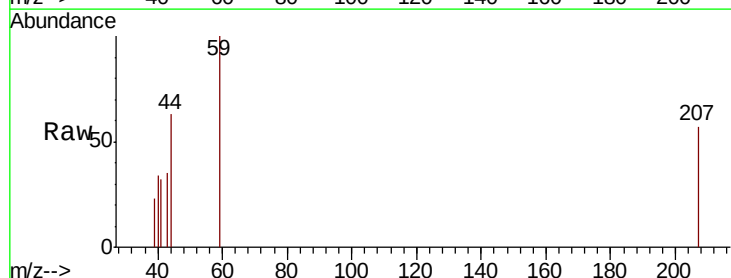
Acq: 26 Oct 2018 08:37

Tgt Ion: 59 Resp: 834

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

300

250

200

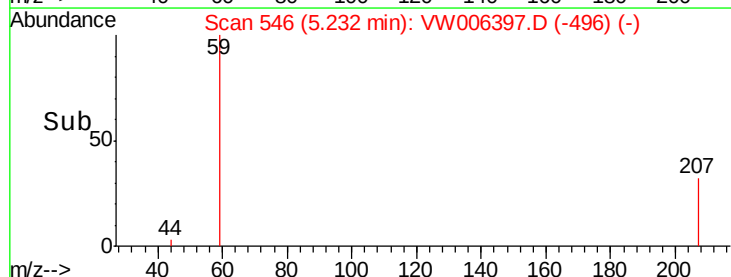
150

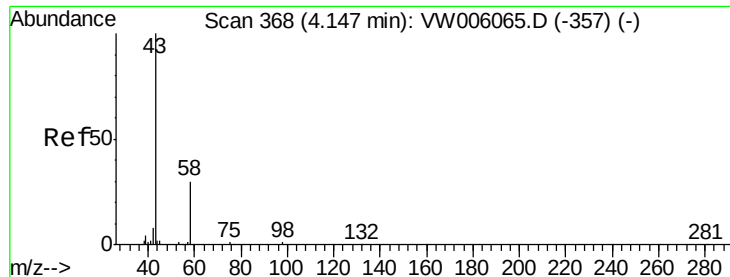
100

50

0

Time-->





#16

Acetone

Concen: 138.916 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006397.D

Acq: 26 Oct 2018 08:37

Instrument :

MSVOA_W

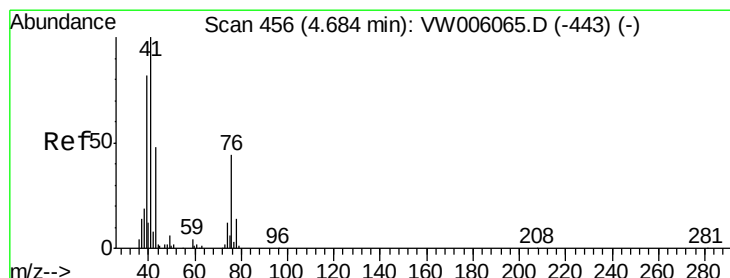
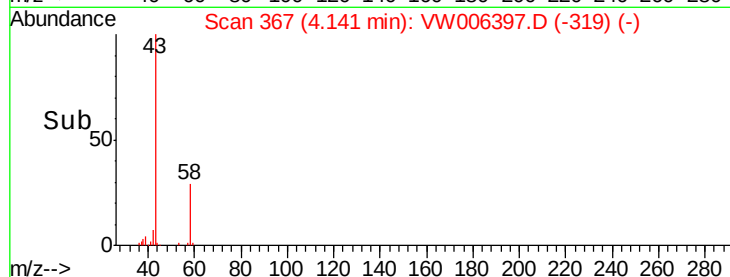
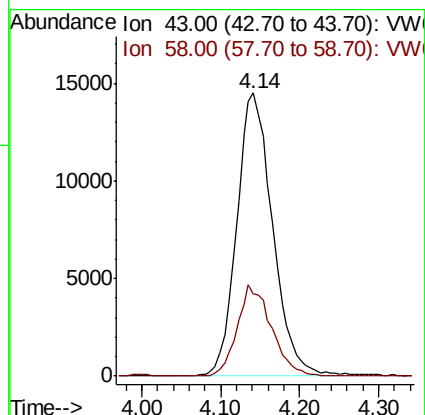
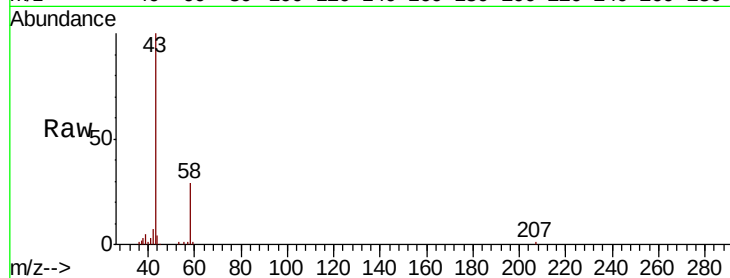
ClientSampleId :

Tot Ion: 43 Resp: 45772

Ion Ratio Lower Upper

43 100

58 29.0 24.0 36.0



#18

Methyl Acetate

Concen: 1.031 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW006397.D

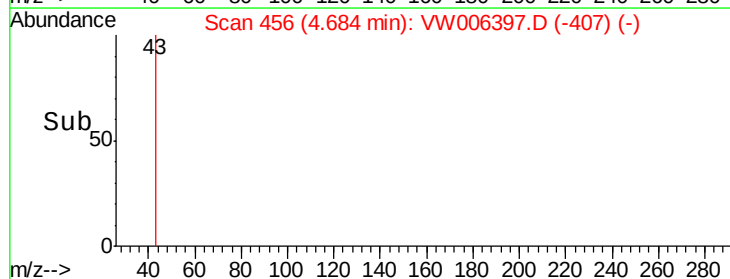
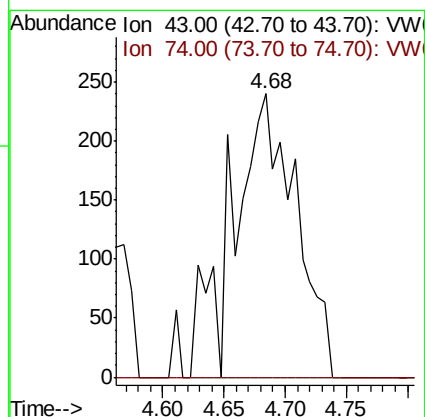
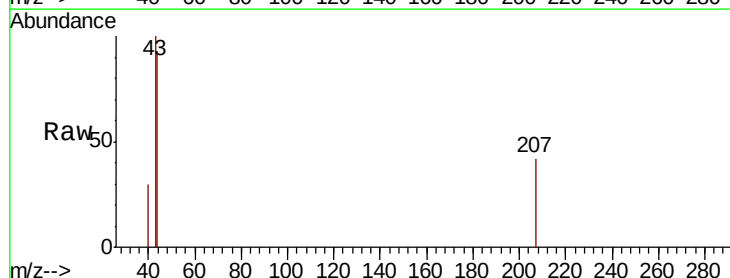
Acq: 26 Oct 2018 08:37

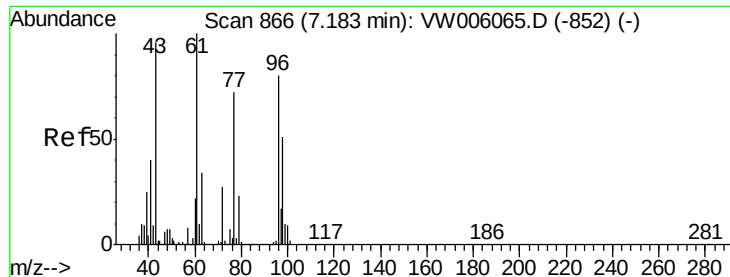
Tgt Ion: 43 Resp: 870

Ion Ratio Lower Upper

43 100

74 0.0 20.5 30.7#





#25

2-Butanone

Concen: 11.803 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006397.D

Acq: 26 Oct 2018 08:37

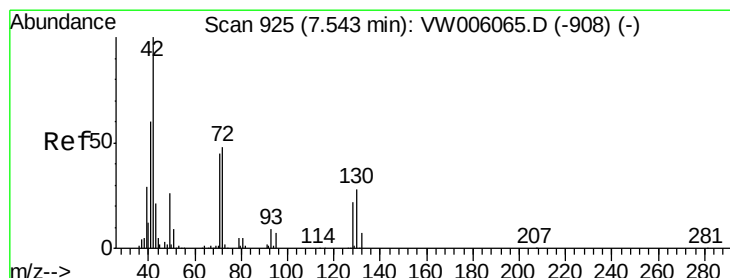
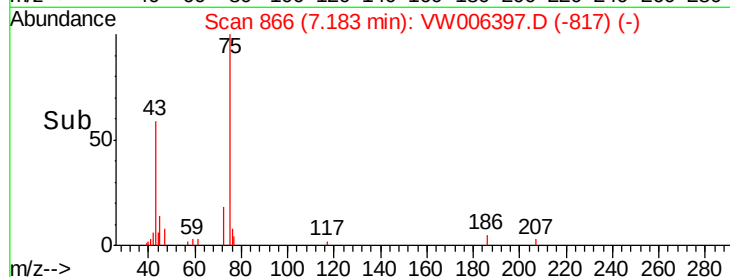
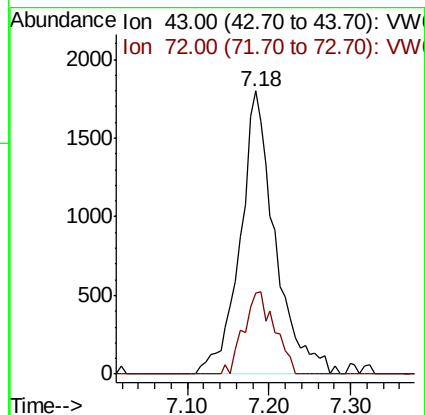
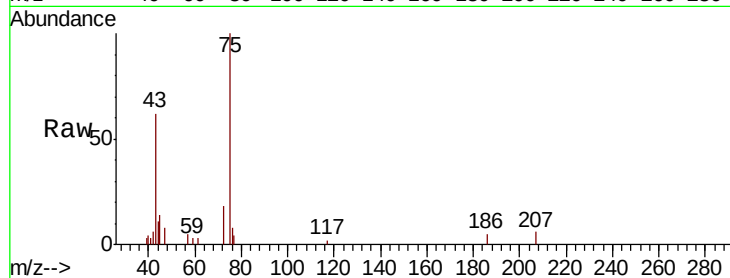
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 5347

Ion Ratio Lower Upper

43 100

72 28.6 22.8 34.2



#29

Tetrahydrofuran

Concen: 1.013 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW006397.D

Acq: 26 Oct 2018 08:37

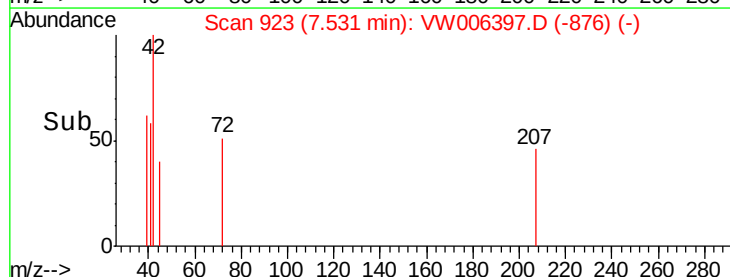
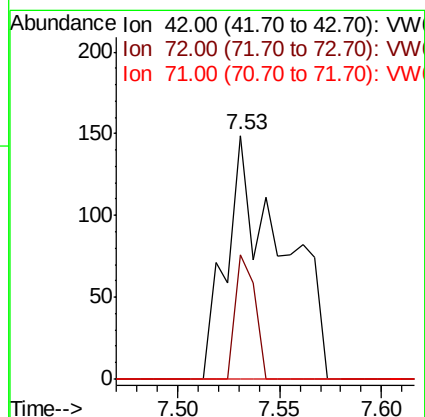
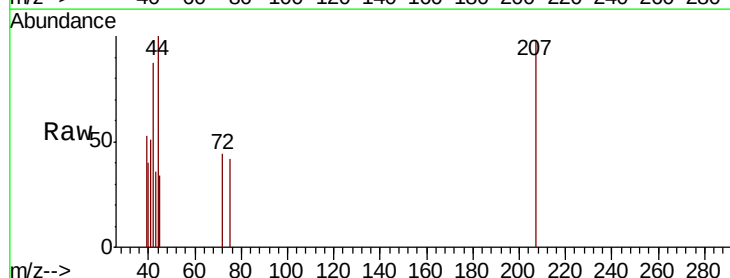
Tgt Ion: 42 Resp: 282

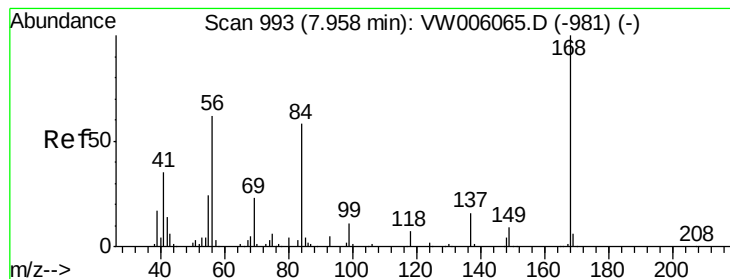
Ion Ratio Lower Upper

42 100

72 17.4 38.0 57.0#

71 0.0 35.3 52.9#





#31

Cyclohexane

Concen: 1.198 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006397.D

Acq: 26 Oct 2018 08:37

Instrument :
MSVOA_W
ClientSampled :

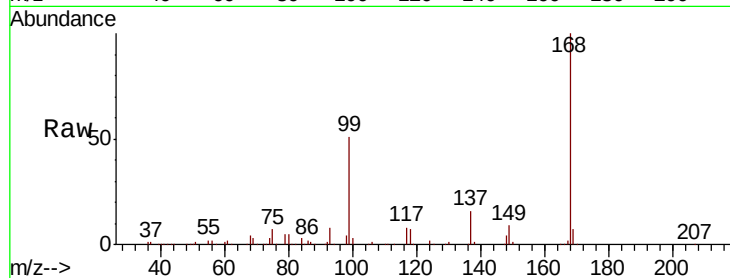
Tot Ion: 56 Resp: 3677

Ion Ratio Lower Upper

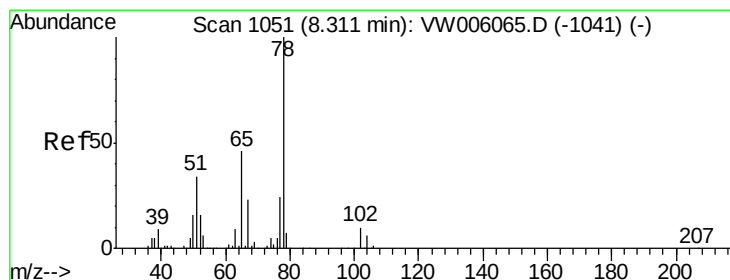
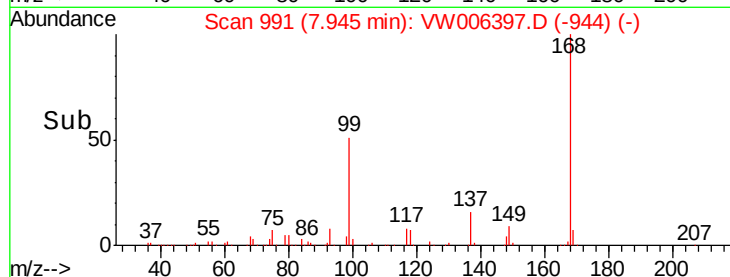
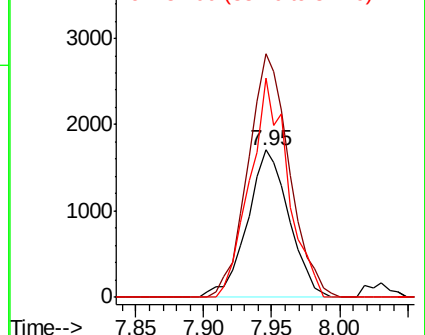
56 100

69 165.2 29.4 44.0#

84 148.8 74.0 111.0#



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: 61.453 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006397.D

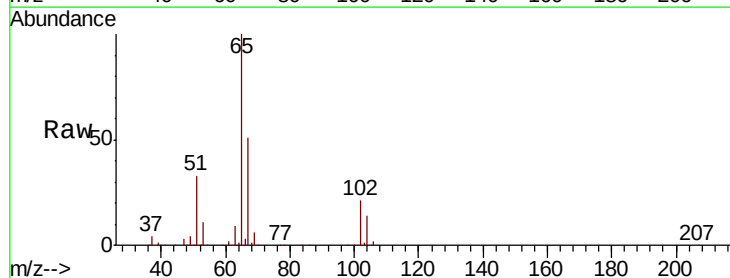
Acq: 26 Oct 2018 08:37

Tgt Ion: 65 Resp: 103050

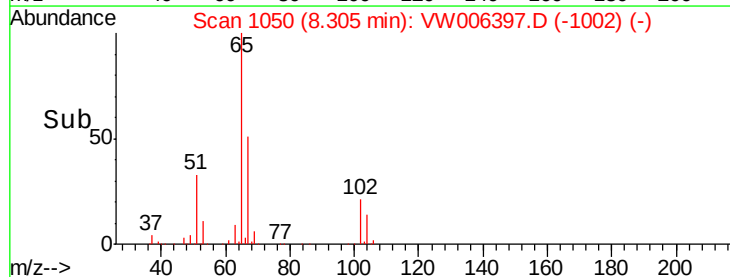
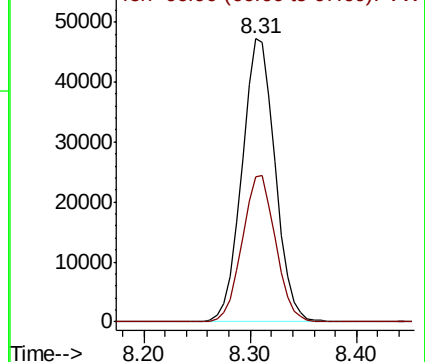
Ion Ratio Lower Upper

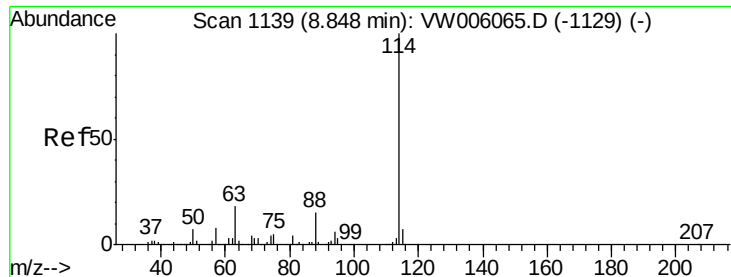
65 100

67 51.9 0.0 101.0



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: VW006397.D

Acq: 26 Oct 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

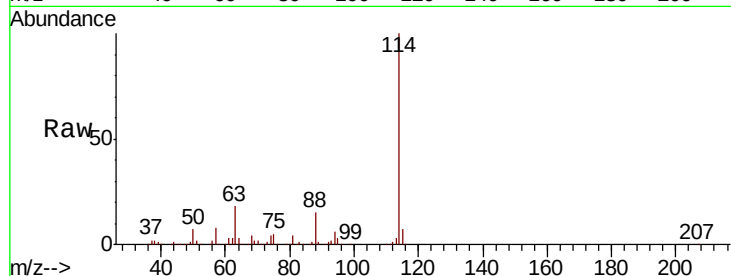
Tot Ion:114 Resp: 290974

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.8

88 15.0 0.0 29.0



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

200000

150000

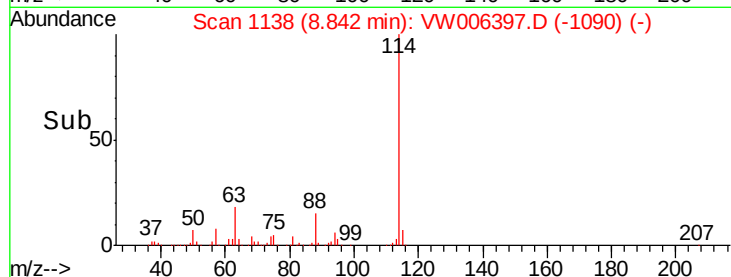
100000

50000

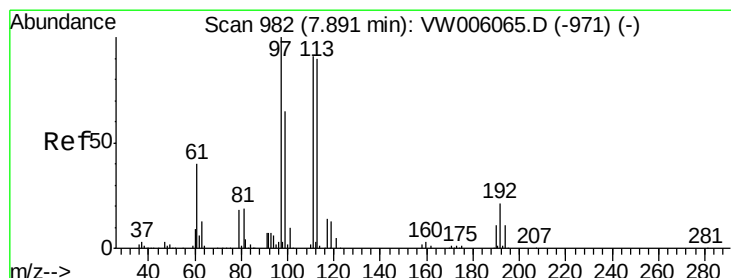
0

8.84

8.70 8.80 8.90 9.00



Time-->



#35

Dibromofluoromethane

Concen: 57.991 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006397.D

Acq: 26 Oct 2018 08:37

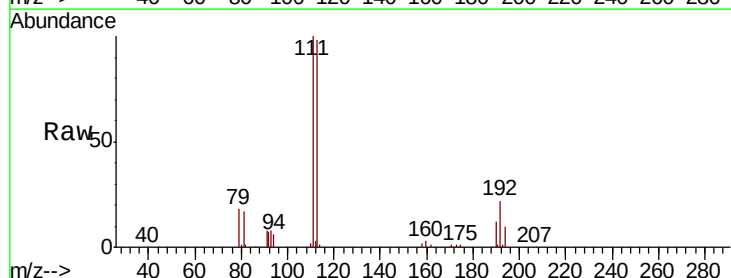
Tgt Ion:113 Resp: 99707

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 23.6 18.7 28.1



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

60000

50000

40000

30000

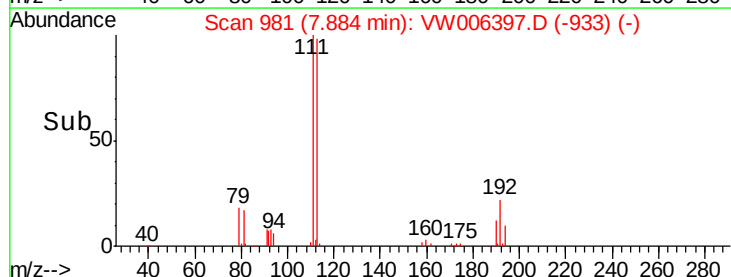
20000

10000

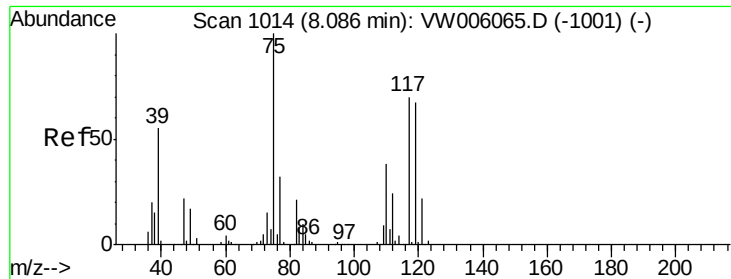
0

7.88

7.80 7.90 8.00



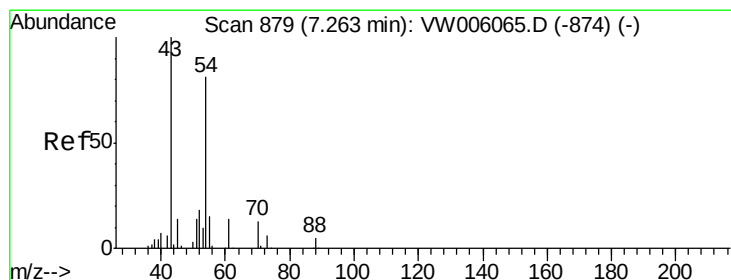
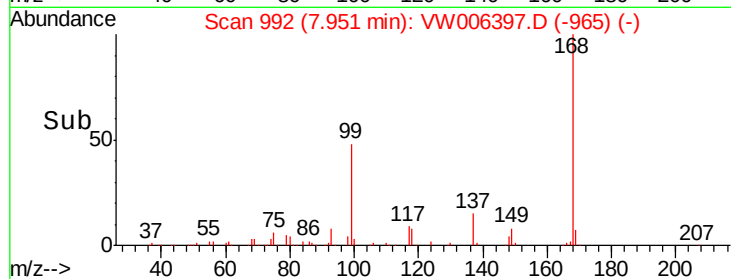
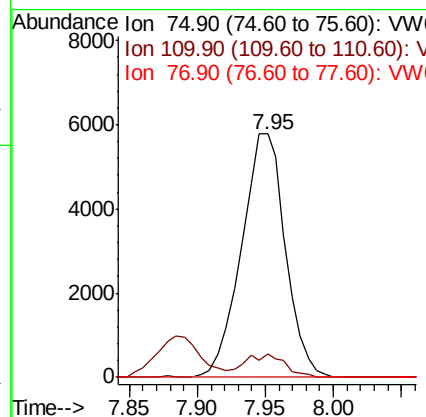
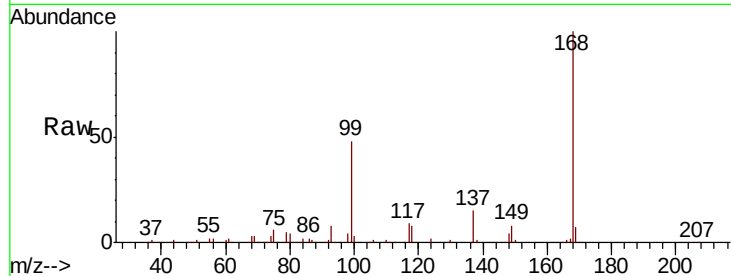
Time-->



#36
 1,1-Dichloropropene
 Concen: 4.862 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006397.D
 Acq: 26 Oct 2018 08:37

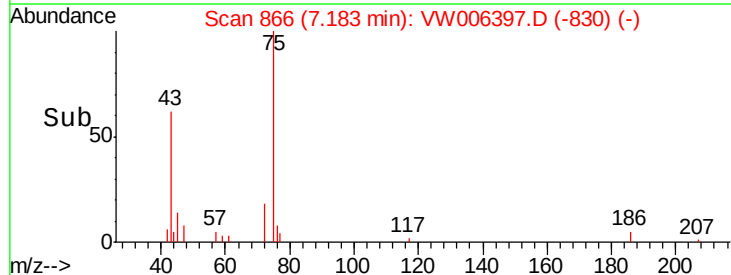
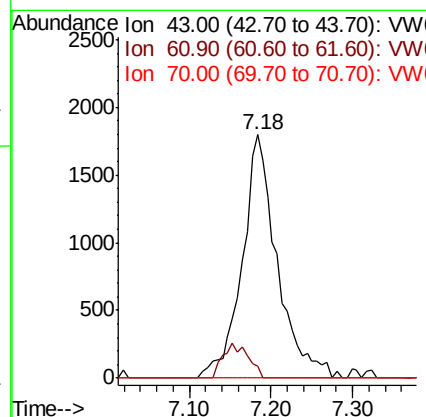
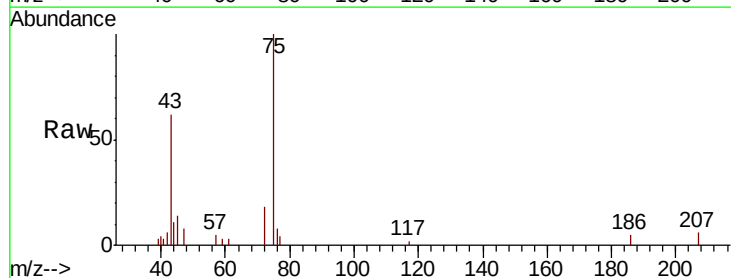
Instrument :
 MSVOA_W
 ClientSampled :

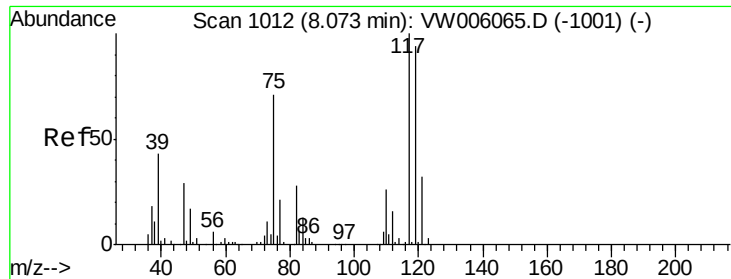
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.1	57.1#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 5.366 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.08 min
 Lab File: VW006397.D
 Acq: 26 Oct 2018 08:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	9.2	13.8#





#38

Carbon Tetrachloride

Concen: 6.106 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006397.D

Acq: 26 Oct 2018 08:37

Instrument :

MSVOA_W

ClientSampled :

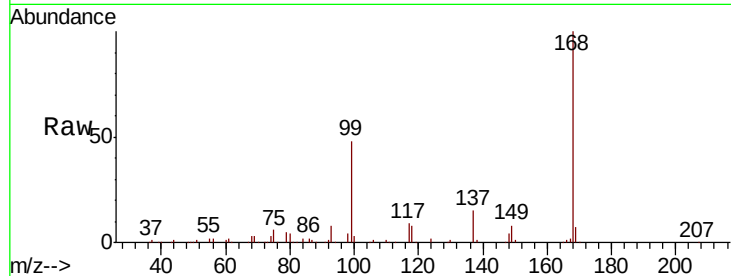
Tot Ion:117 Resp: 17951

Ion Ratio Lower Upper

117 100

119 5.4 75.2 112.8#

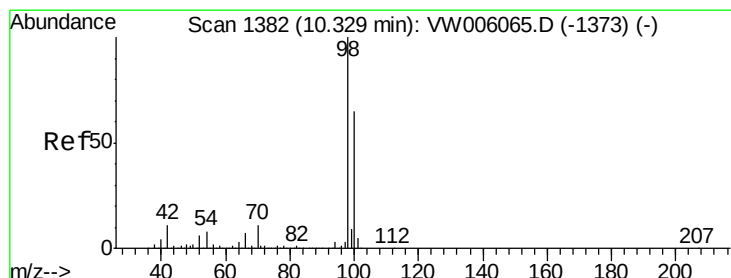
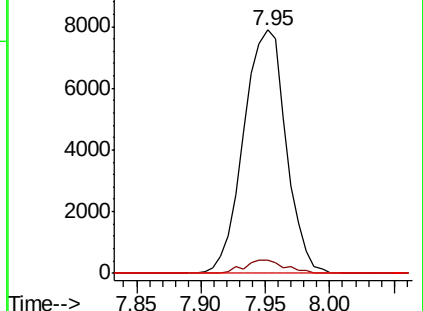
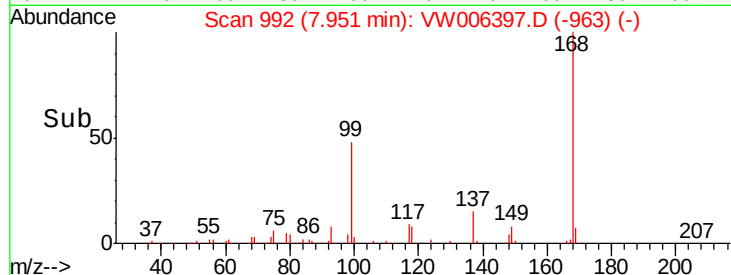
121 0.0 25.3 37.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.547 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006397.D

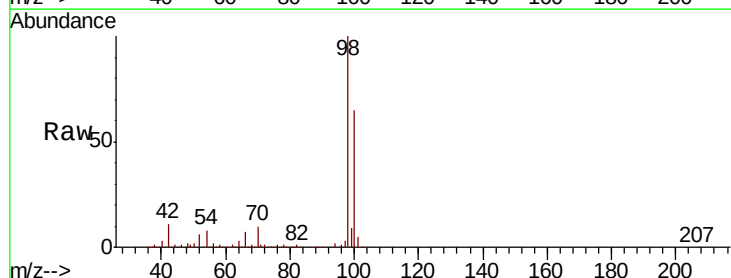
Acq: 26 Oct 2018 08:37

Tgt Ion: 98 Resp: 343725

Ion Ratio Lower Upper

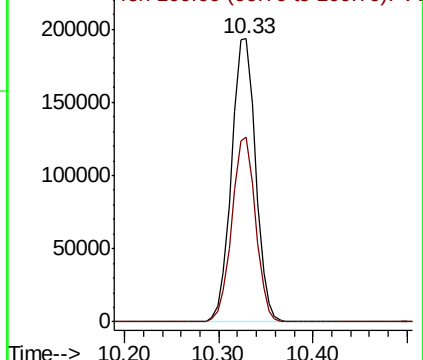
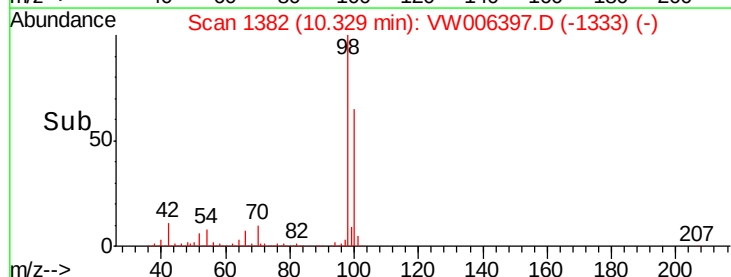
98 100

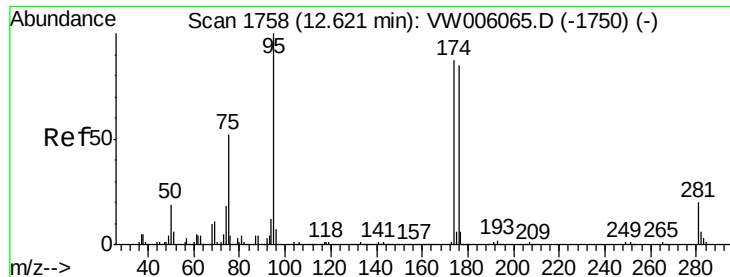
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

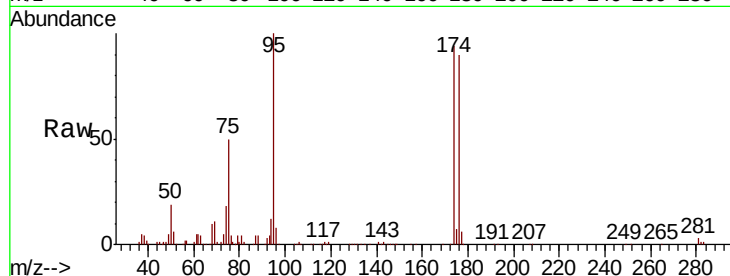




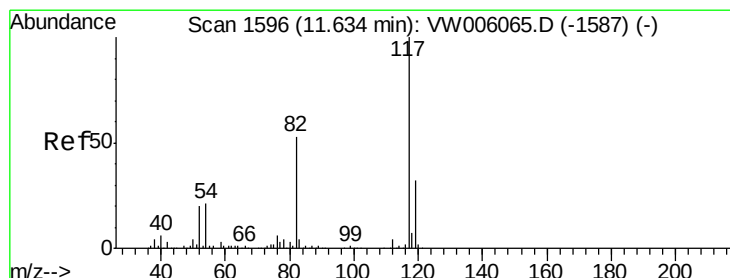
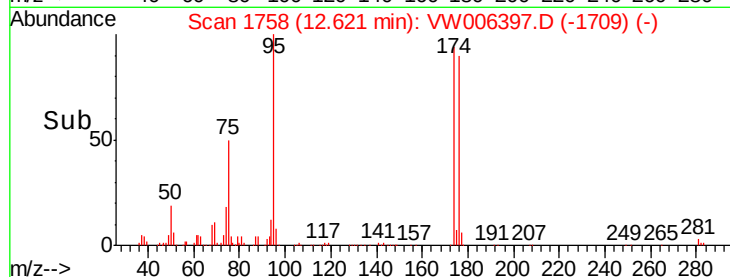
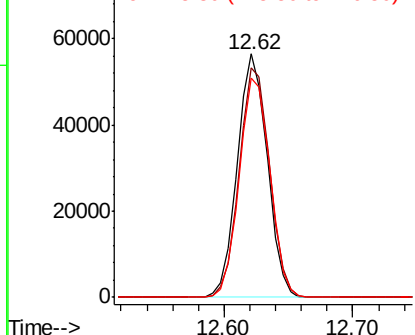
#62
4-Bromofluorobenzene
Concen: 36.893 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006397.D
Acq: 26 Oct 2018 08:37

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	95	Resp	90639
Ion Ratio	Lower	Upper	
95	100		
174	96.0	0.0	186.0
176	92.5	0.0	181.6

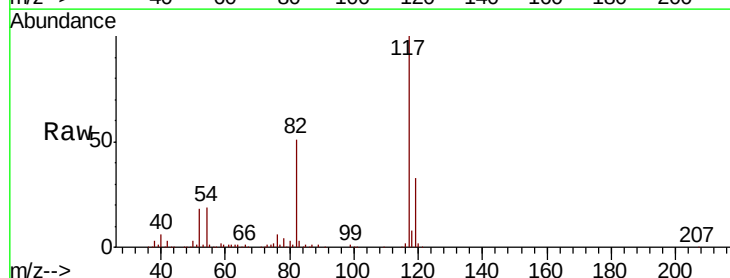


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

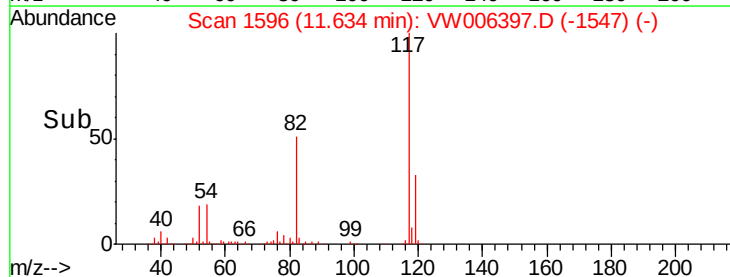
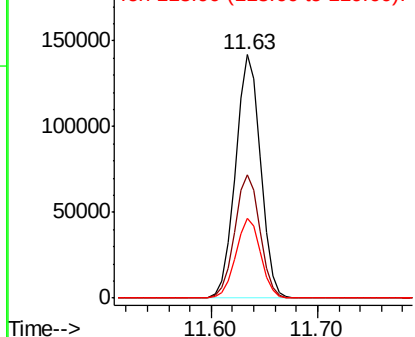


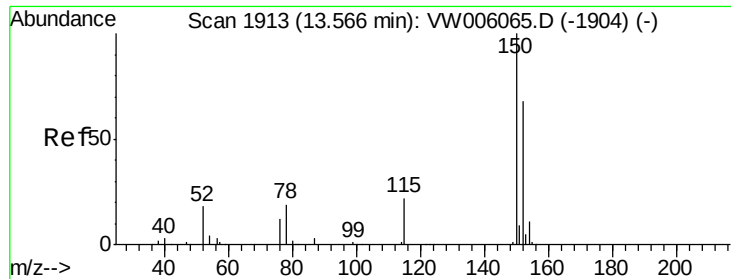
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006397.D
Acq: 26 Oct 2018 08:37

Tgt Ion	117	Resp	234479
Ion Ratio	Lower	Upper	
117	100		
82	50.6	42.1	63.1
119	32.8	25.8	38.6



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



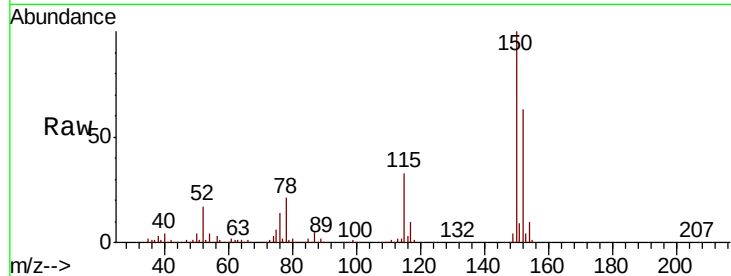


#72

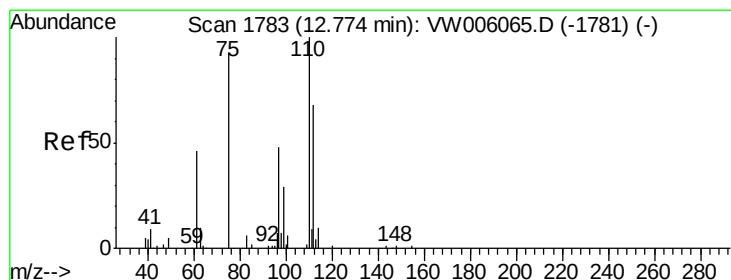
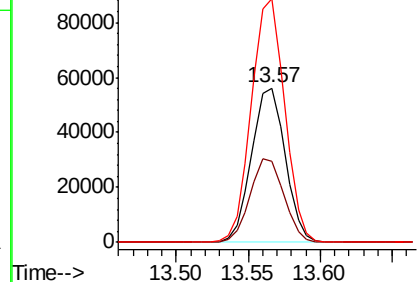
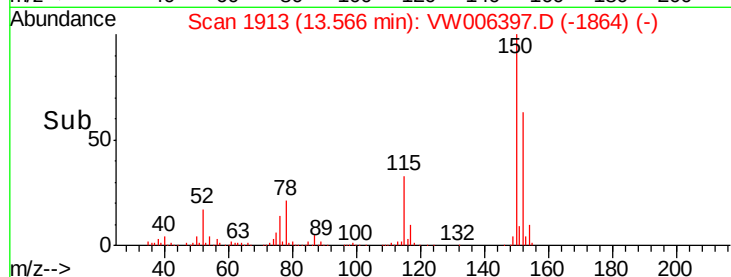
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006397.D
Acq: 26 Oct 2018 08:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 90744
Ion Ratio Lower Upper
152 100
115 54.3 27.8 83.3
150 156.2 0.0 349.2



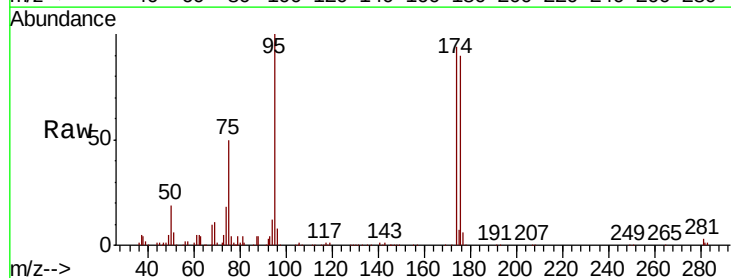
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



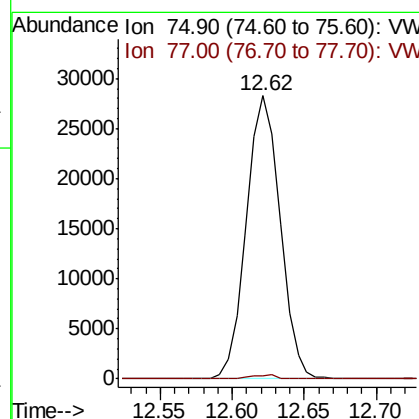
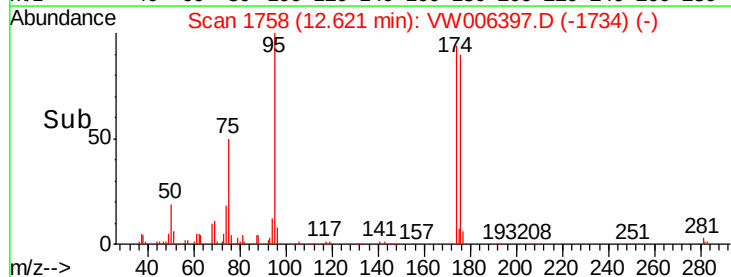
#76

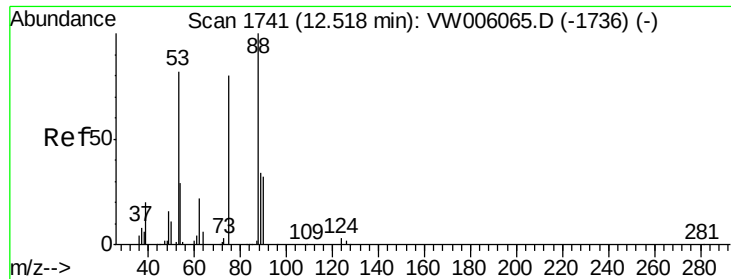
1,2,3-Trichloropropane
Concen: 66.146 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006397.D
Acq: 26 Oct 2018 08:37

Tgt Ion: 75 Resp: 45846
Ion Ratio Lower Upper
75 100
77 1.1 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: 158.115 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006397.D

Acq: 26 Oct 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

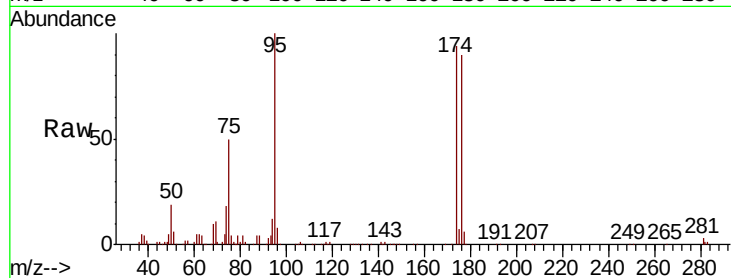
Tot Ion: 75 Resp: 45846

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



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

