

Data File : VW008287.D
Acq On : 15 Jan 2019 17:48
Operator : SY/VA
Sample : K1147-07
Misc : 4.99G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-3

Quant Time: Jan 16 00:52:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	99312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	174458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	159617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75918	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	58675	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
35) Dibromofluoromethane	7.88	113	56027	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
50) Toluene-d8	10.32	98	215883	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.62	95	75084	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

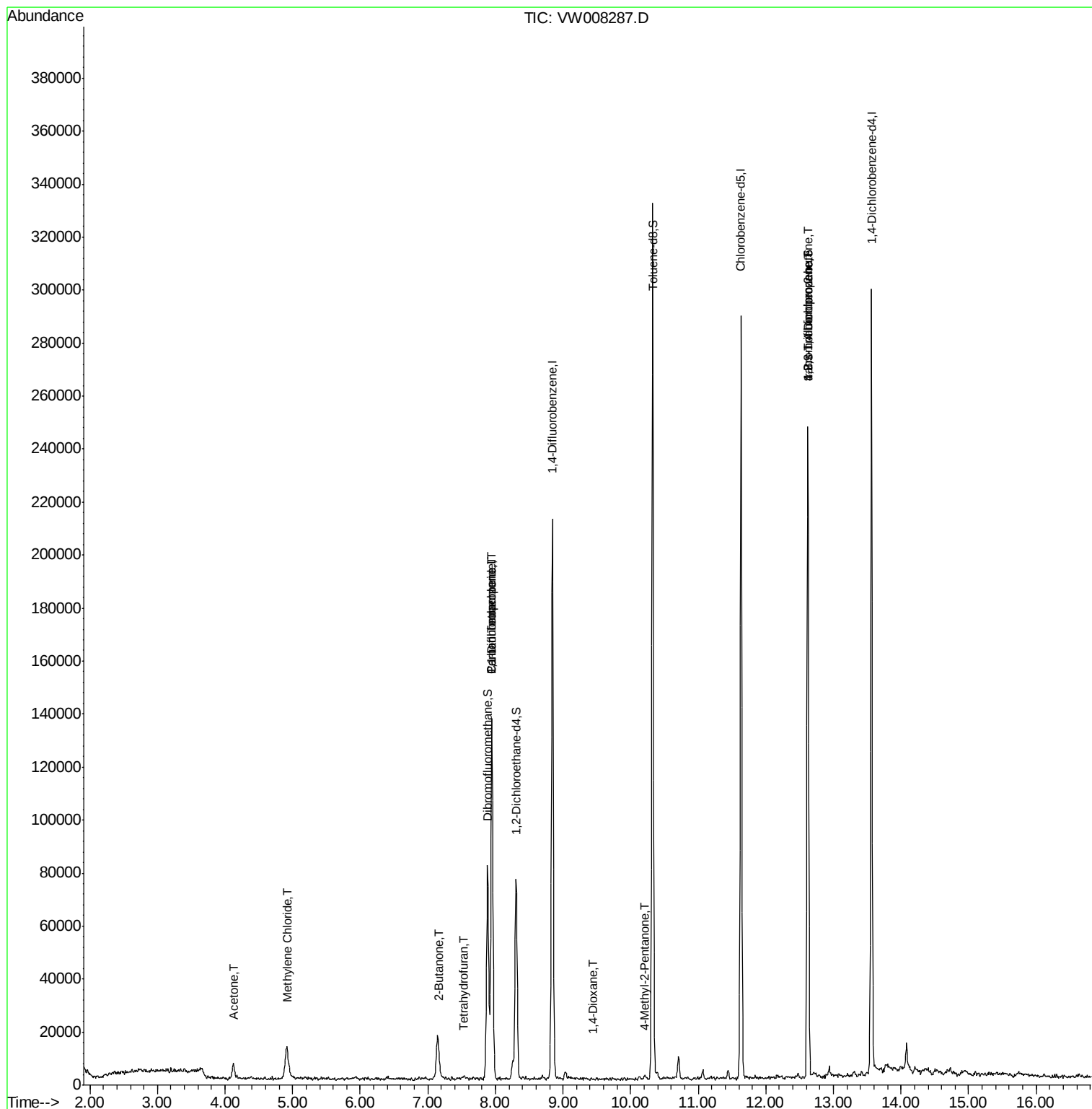
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.24	59	129	Below Cal	#	100
13) Acrolein	3.91	56	22	Below Cal	#	1
16) Acetone	4.12	43	9740	29.928	ug/l	93
20) Methylene Chloride	4.92	84	10779	5.532	ug/l #	80
25) 2-Butanone	7.17	43	2525	8.131	ug/l #	85
29) Tetrahydrofuran	7.53	42	980	4.724	ug/l #	80
36) 1,1-Dichloropropene	7.95	75	8182	4.553	ug/l #	48
38) Carbon Tetrachloride	7.95	117	10107	6.145	ug/l #	18
49) 1,4-Dioxane	9.44	88	45	4.714	ug/l #	11
51) 4-Methyl-2-Pentanone	10.21	43	1204	1.728	ug/l #	82
76) 1,2,3-Trichloropropane	12.62	75	37924	54.798	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	37924	127.607	ug/l #	11

(#) = 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

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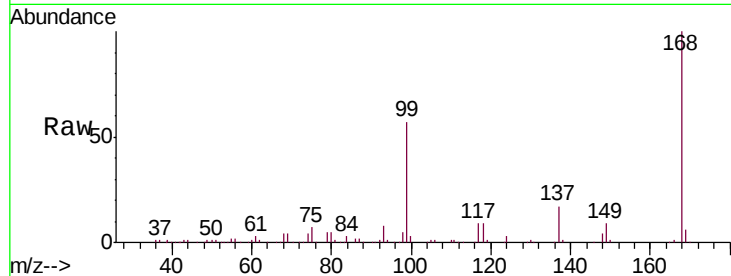
Instrument :
MSVOA_W
ClientSampleId :
TP-3

Tgt Ion:168 Resp: 99312

Ion Ratio Lower Upper

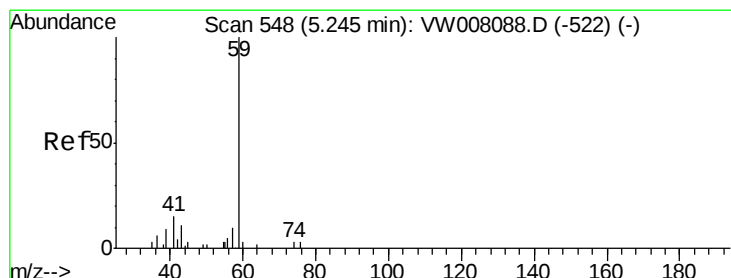
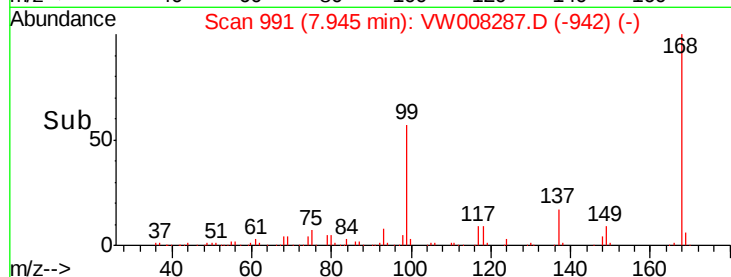
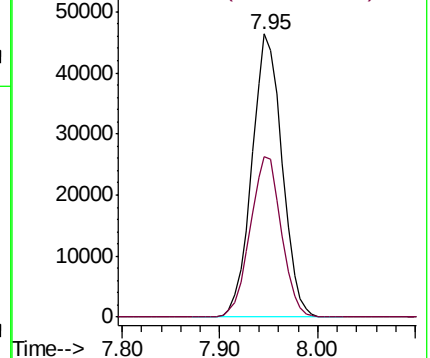
168 100

99 56.4 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 548

Delta R.T. 0.00 min

Lab File: VW008287.D

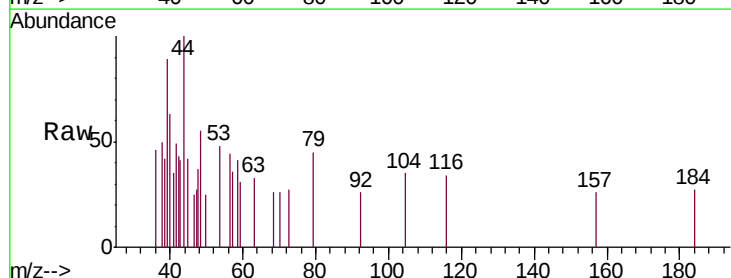
Acq: 15 Jan 2019 17:48

Tgt Ion: 59 Resp: 129

Ion Ratio Lower Upper

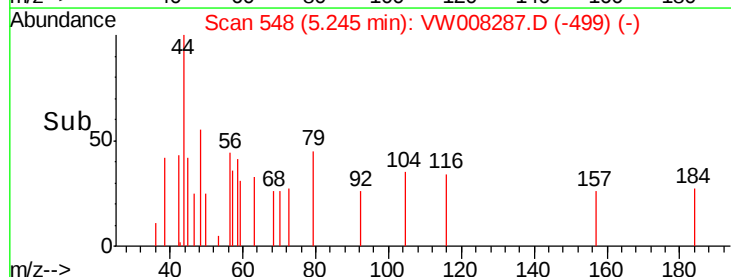
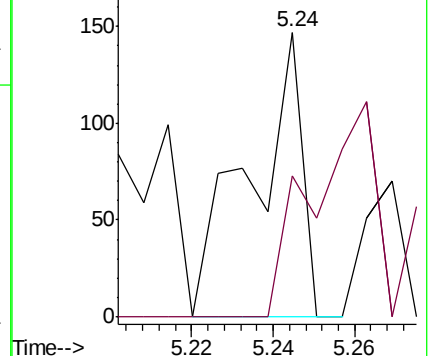
59 100

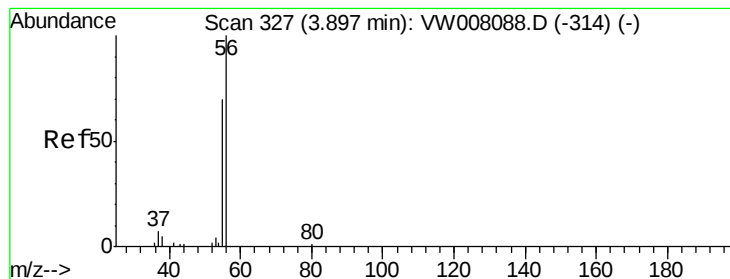
57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW008287.D

Acq: 15 Jan 2019 17:48

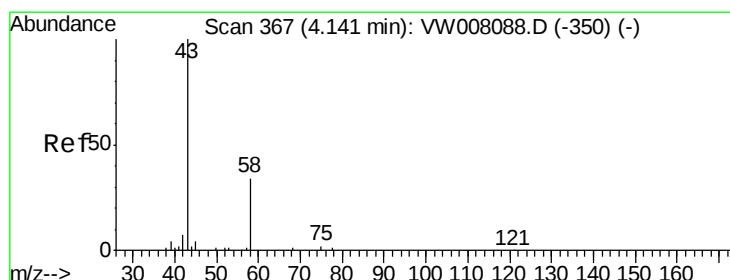
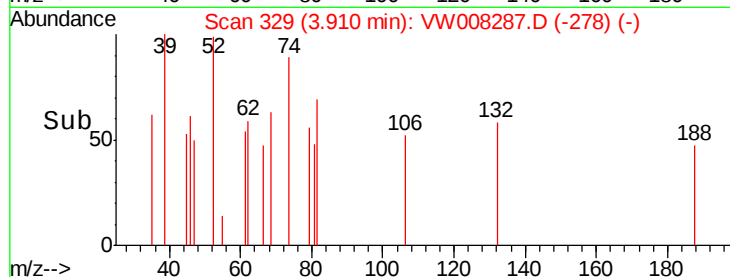
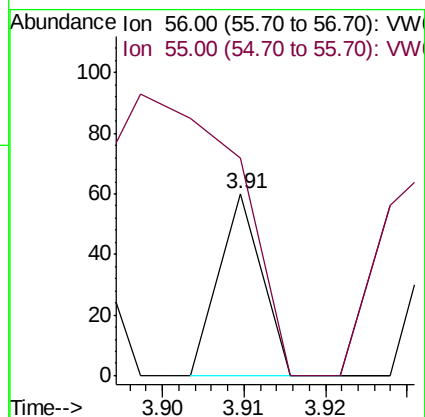
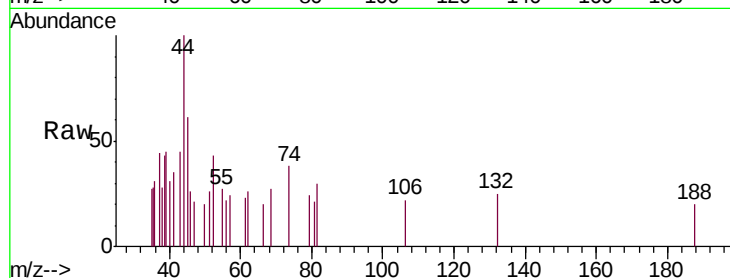
Instrument :
MSVOA_W
ClientSampled :
TP-3

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 722.7 56.6 84.8#



#16

Acetone

Concen: 29.928 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW008287.D

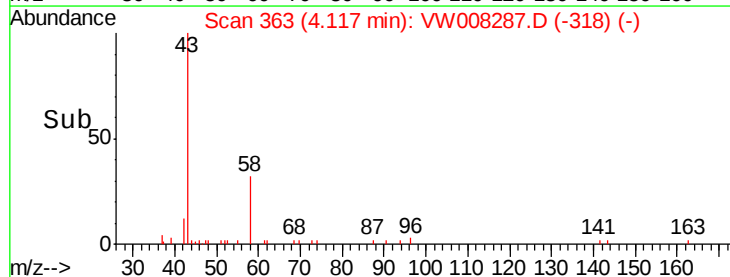
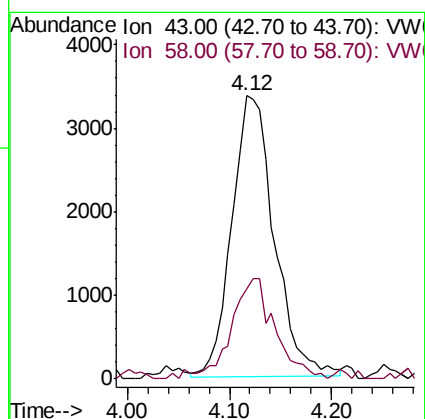
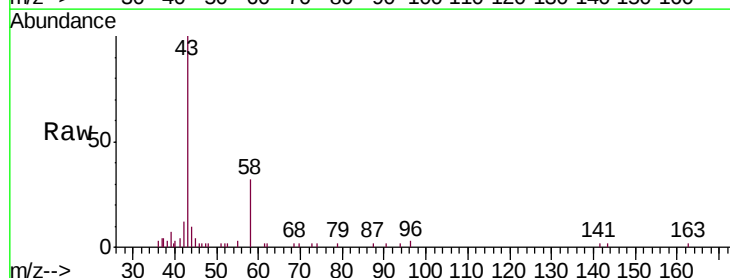
Acq: 15 Jan 2019 17:48

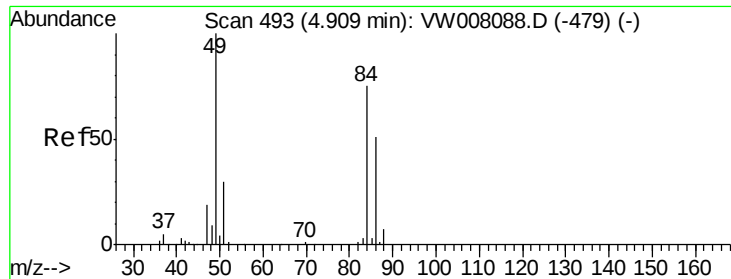
Tgt Ion: 43 Resp: 9740

Ion Ratio Lower Upper

43 100

58 30.4 27.5 41.3

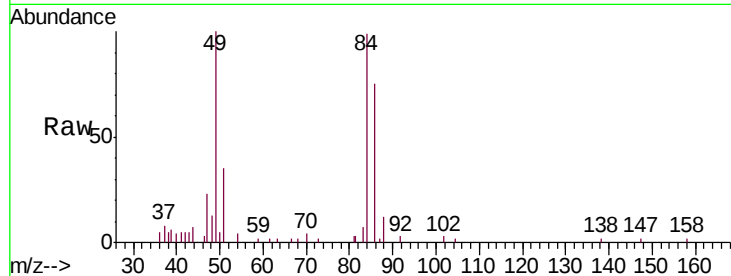




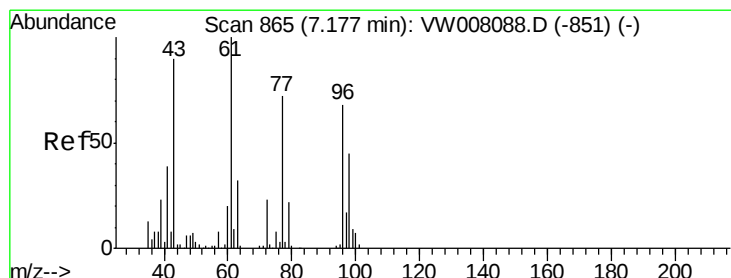
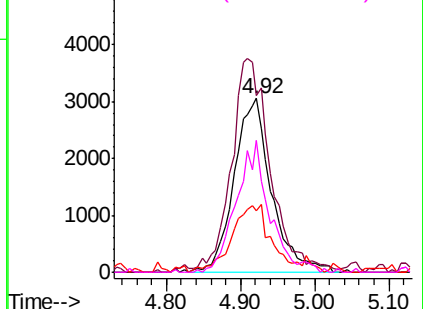
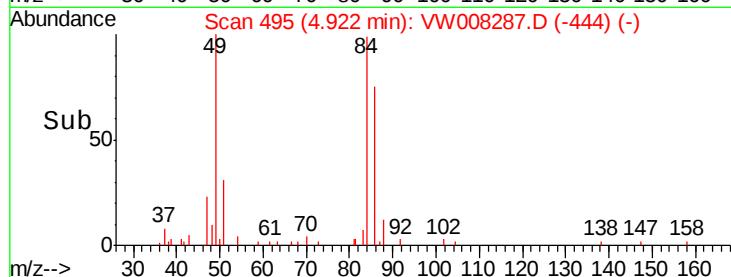
#20
Methylene Chloride
Concen: 5.532 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008287.D
Acq: 15 Jan 2019 17:48

Instrument :
MSVOA_W
ClientSampled :
TP-3

Tgt Ion: 84 Resp: 10779
Ion Ratio Lower Upper
84 100
49 99.6 107.1 160.7#
51 35.3 32.4 48.6
86 76.1 54.2 81.4

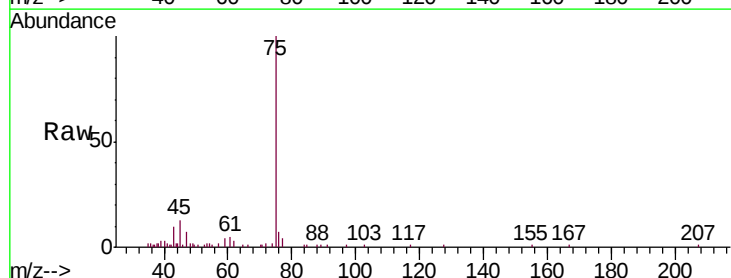


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

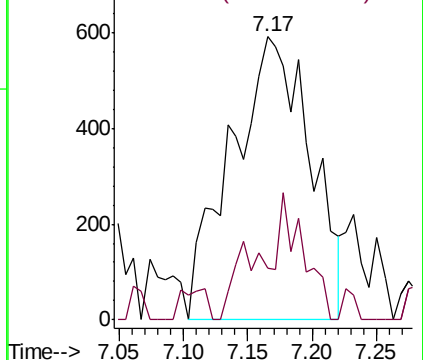
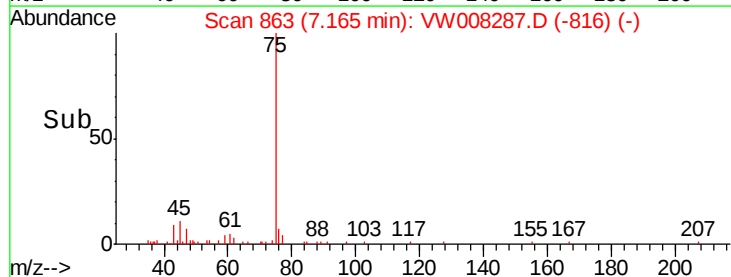


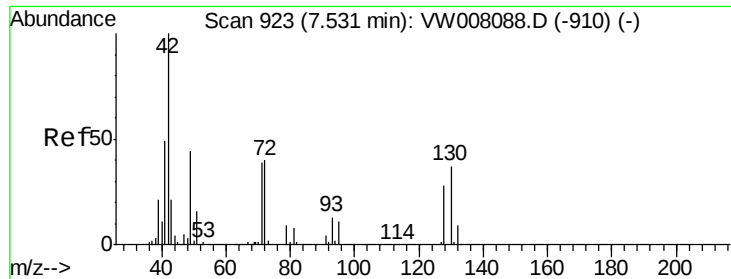
#25
2-Butanone
Concen: 8.131 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008287.D
Acq: 15 Jan 2019 17:48

Tgt Ion: 43 Resp: 2525
Ion Ratio Lower Upper
43 100
72 18.2 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

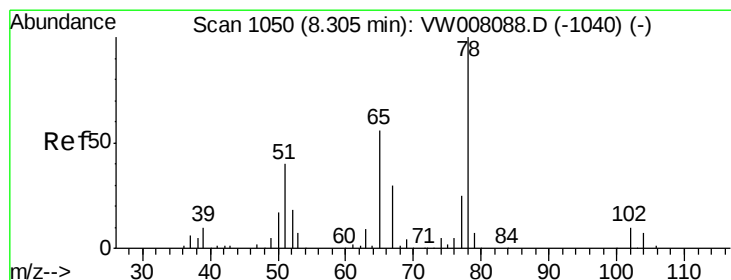
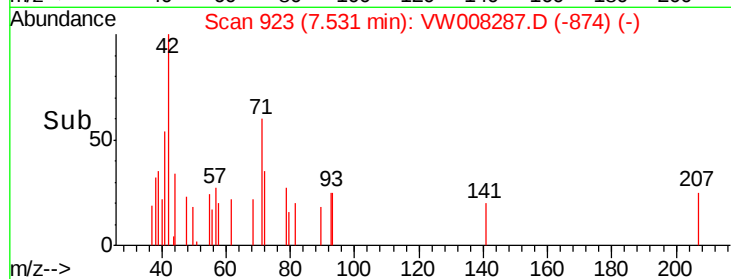
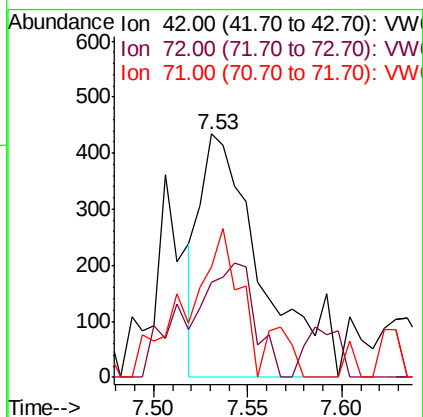
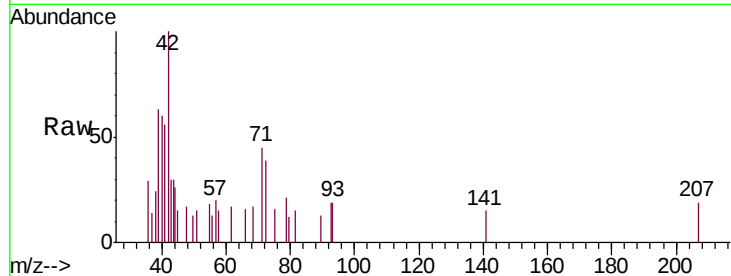




#29
Tetrahydrofuran
Concen: 4.724 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008287.D
Acq: 15 Jan 2019 17:48

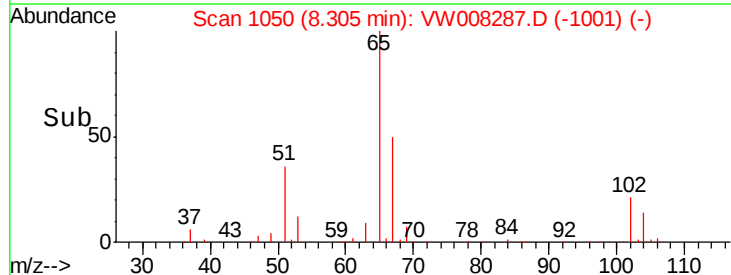
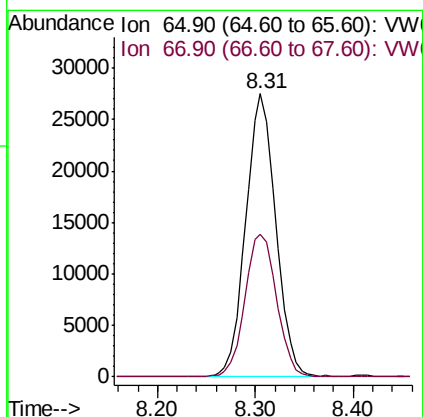
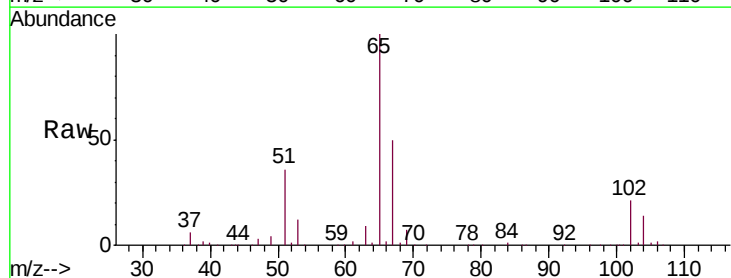
Instrument :
MSVOA_W
ClientSampled :
TP-3

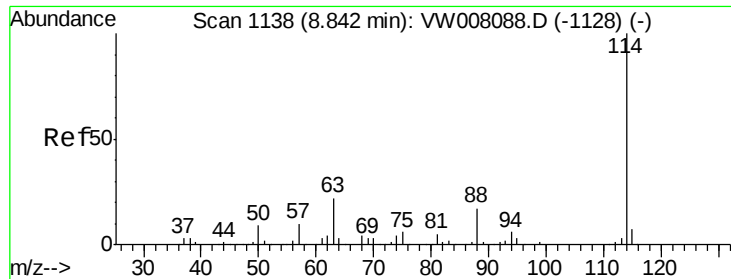
Tgt Ion: 42 Resp: 980
Ion Ratio Lower Upper
42 100
72 51.5 32.4 48.6#
71 52.4 31.3 46.9#



#33
1,2-Dichloroethane-d4
Concen: 52.568 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008287.D
Acq: 15 Jan 2019 17:48

Tgt Ion: 65 Resp: 58675
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8

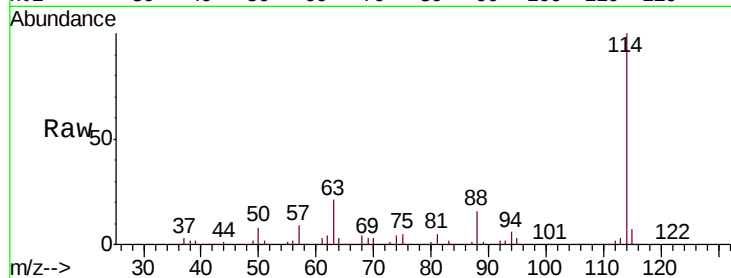




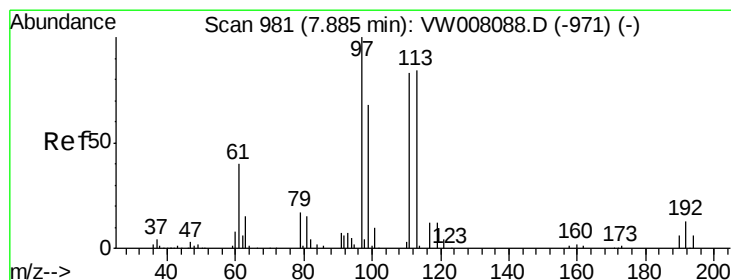
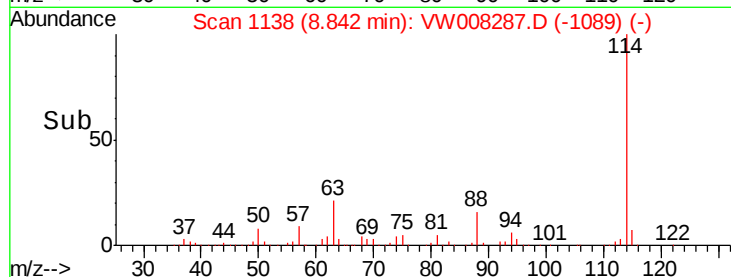
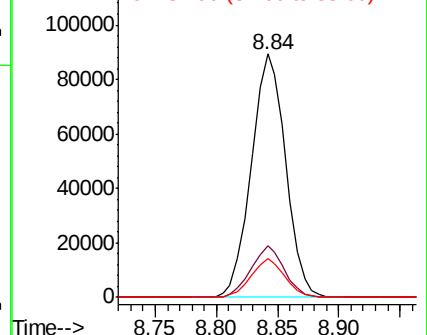
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008287.D
 Acq: 15 Jan 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3

Tgt Ion:114 Resp: 174458
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.4
 88 15.9 0.0 33.4

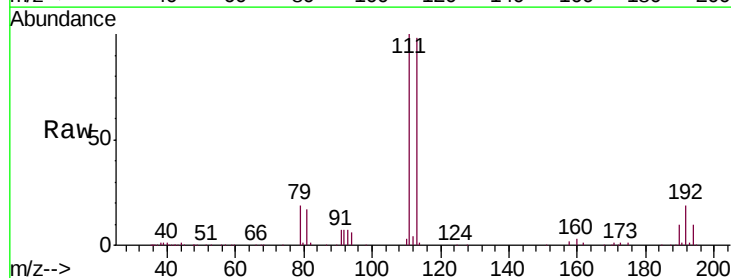


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

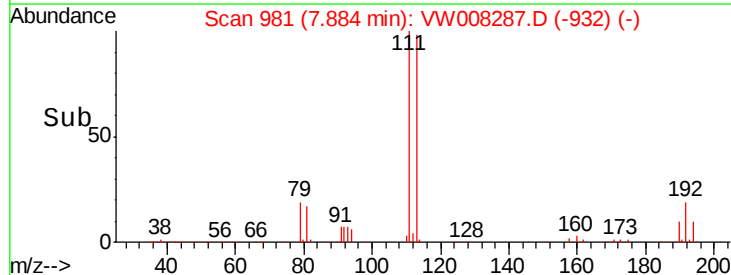
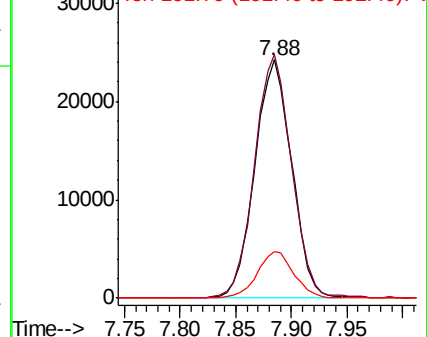


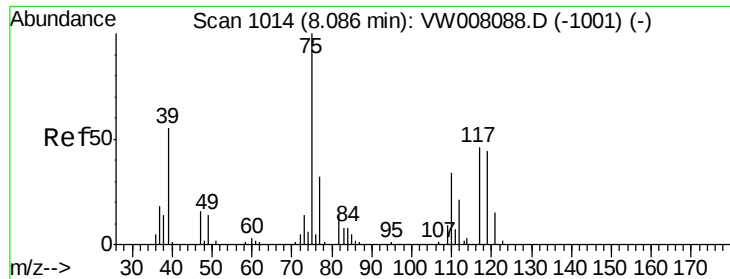
#35
 Dibromofluoromethane
 Concen: 55.063 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008287.D
 Acq: 15 Jan 2019 17:48

Tgt Ion:113 Resp: 56027
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.8 122.8
 192 19.1 12.8 19.2



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

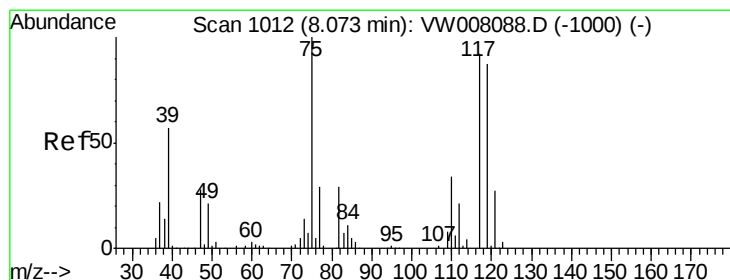
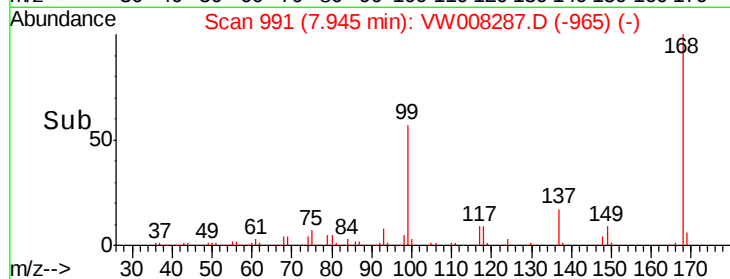
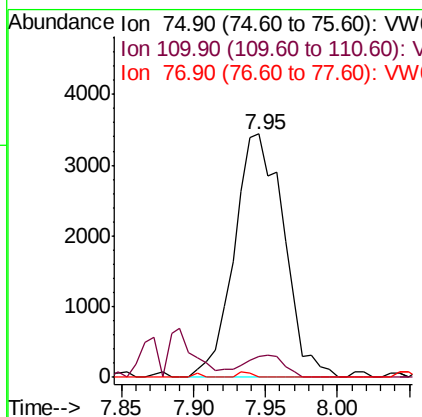
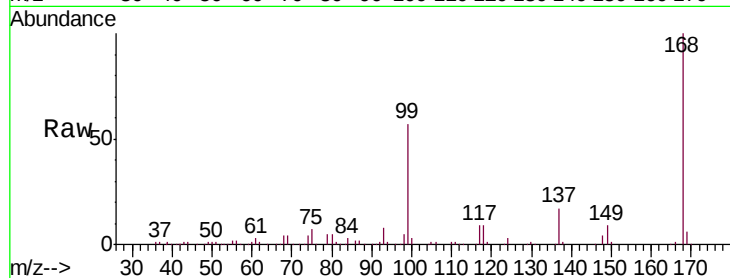




#36
 1,1-Dichloropropene
 Concen: 4.553 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008287.D
 Acq: 15 Jan 2019 17:48

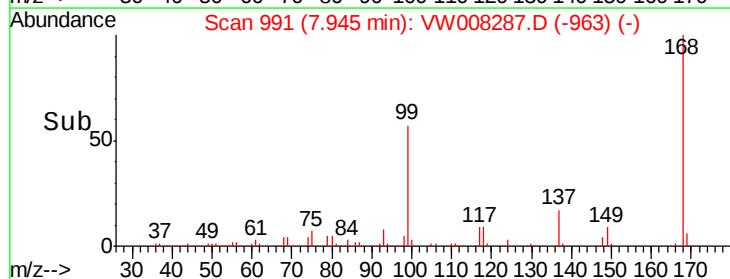
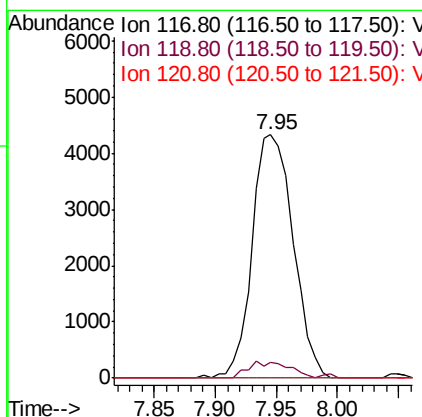
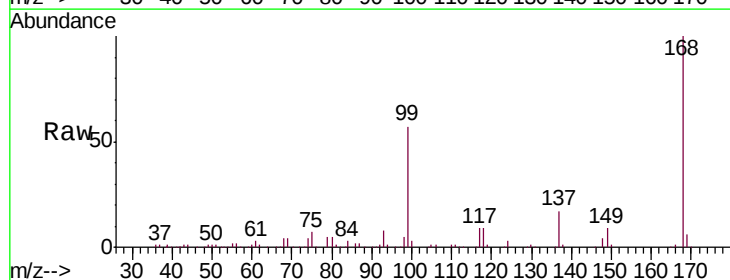
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3

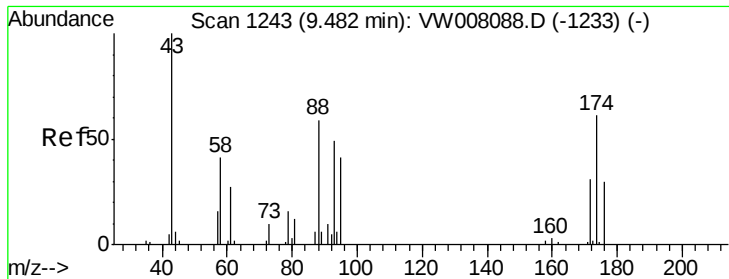
Tgt Ion: 75 Resp: 8182
 Ion Ratio Lower Upper
 75 100
 110 6.9 17.1 51.3#
 77 0.6 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.145 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008287.D
 Acq: 15 Jan 2019 17:48

Tgt Ion: 117 Resp: 10107
 Ion Ratio Lower Upper
 117 100
 119 6.5 75.8 113.8#
 121 0.0 23.7 35.5#





#49

1,4-Dioxane

Concen: 4.714 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.04 min

Lab File: VW008287.D

Acq: 15 Jan 2019 17:48

Instrument :

MSVOA_W

ClientSampled :

TP-3

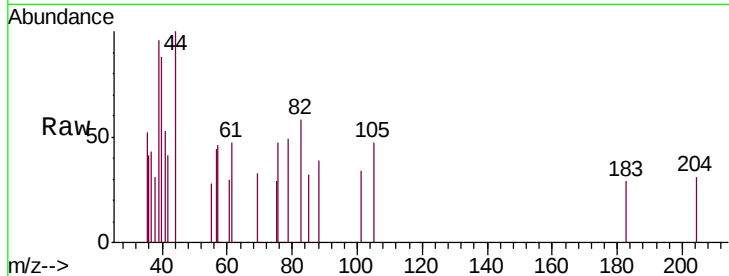
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

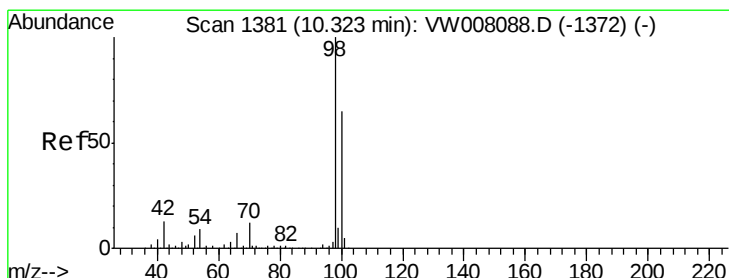
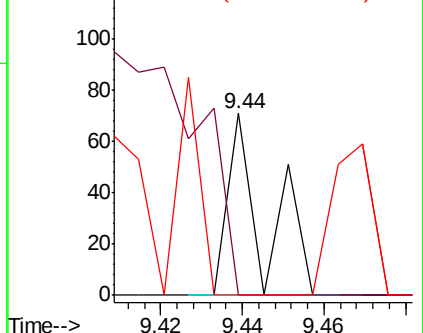
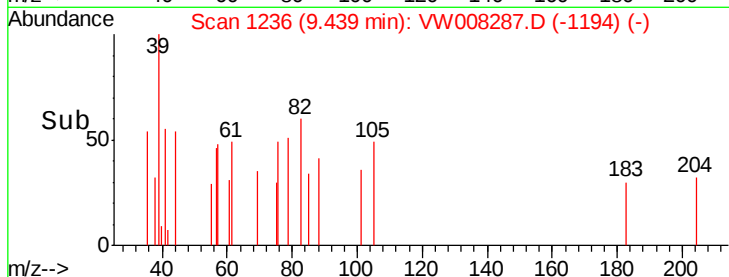
58 0.0 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.560 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008287.D

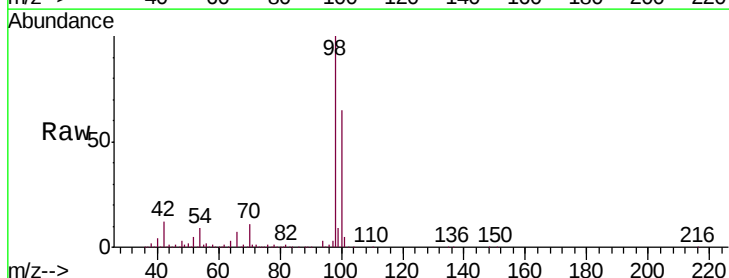
Acq: 15 Jan 2019 17:48

Tgt Ion: 98 Resp: 215883

Ion Ratio Lower Upper

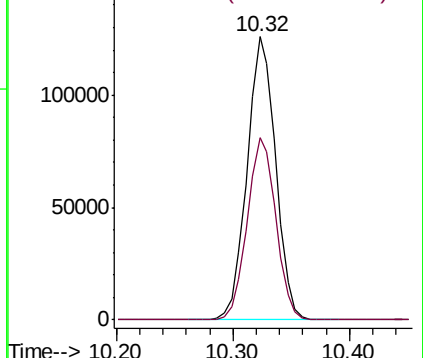
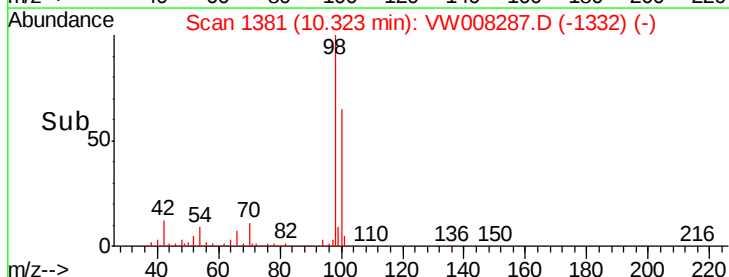
98 100

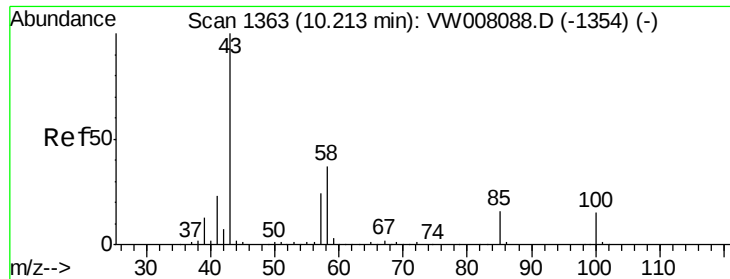
100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.728 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008287.D

Acq: 15 Jan 2019 17:48

Instrument :

MSVOA_W

ClientSampled :

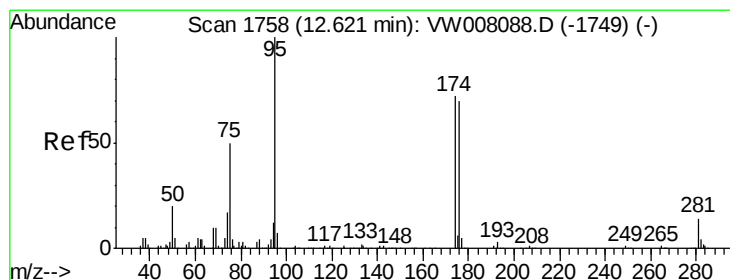
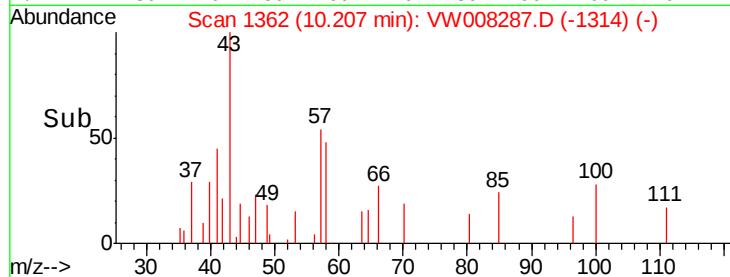
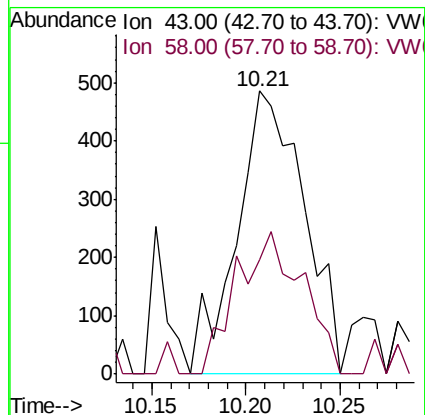
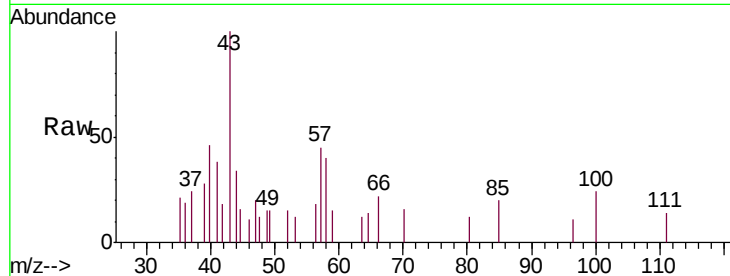
TP-3

Tgt Ion: 43 Resp: 1204

Ion Ratio Lower Upper

43 100

58 49.3 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 49.051 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008287.D

Acq: 15 Jan 2019 17:48

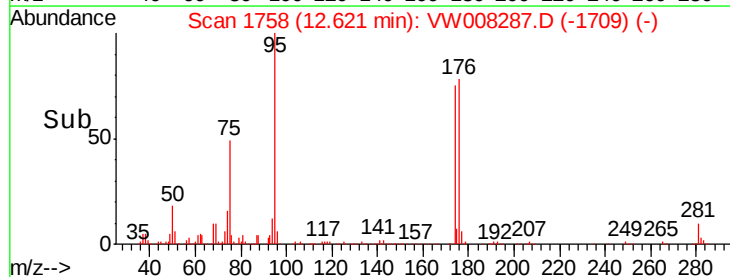
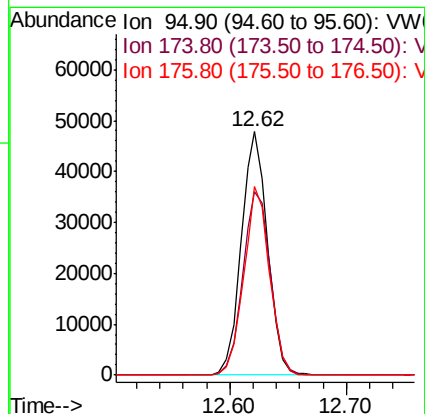
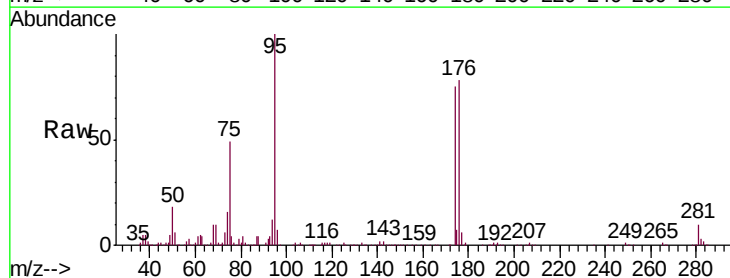
Tgt Ion: 95 Resp: 75084

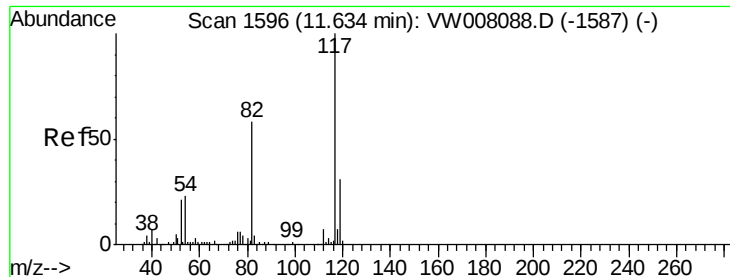
Ion Ratio Lower Upper

95 100

174 79.2 0.0 143.0

176 75.9 0.0 140.2

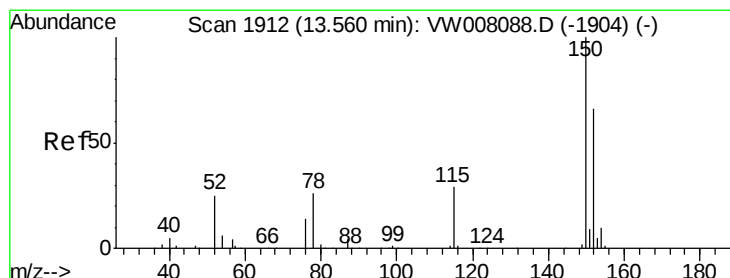
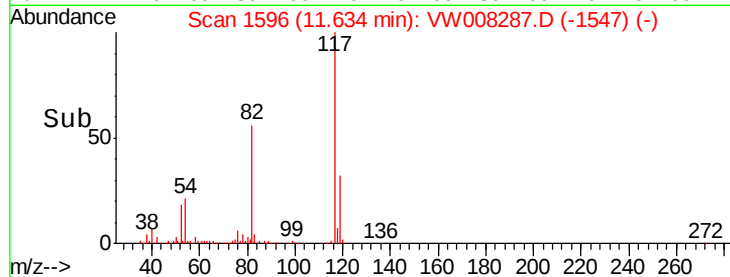
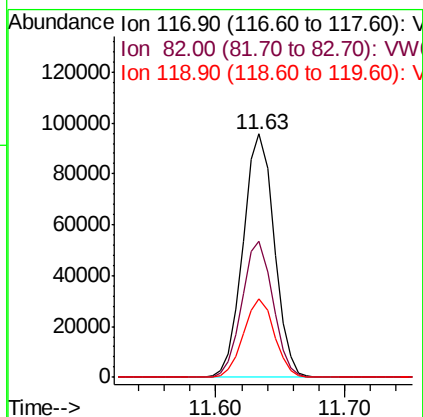
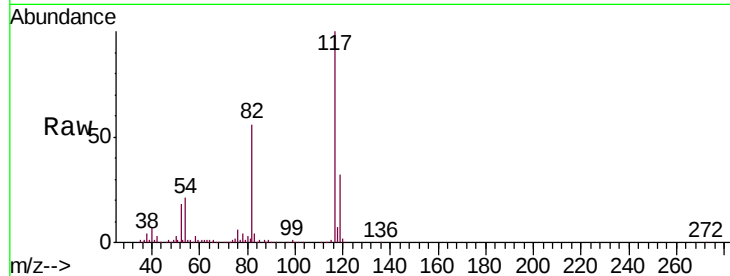




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008287.D
Acq: 15 Jan 2019 17:48

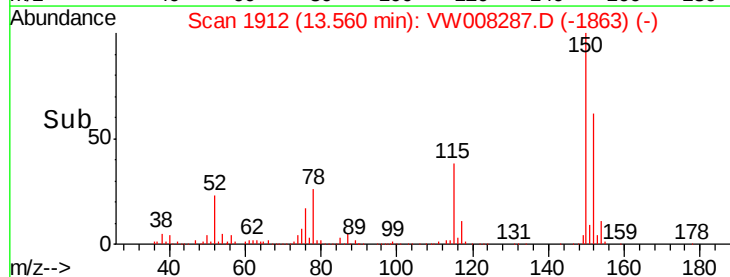
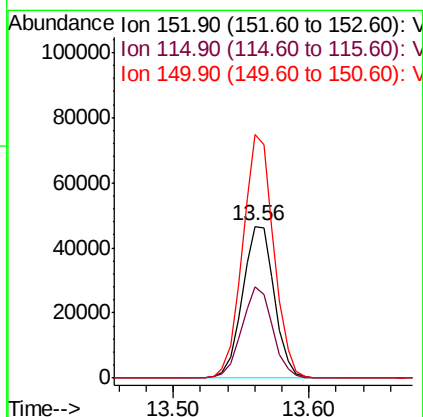
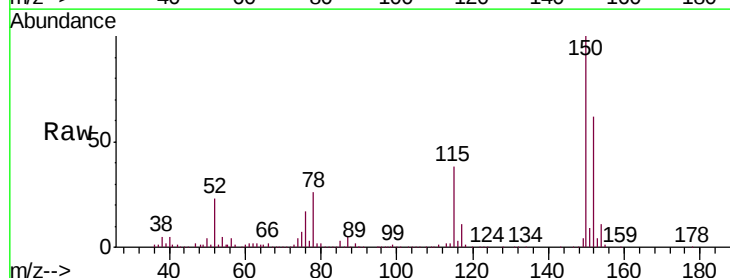
Instrument :
MSVOA_W
ClientSampleId :
TP-3

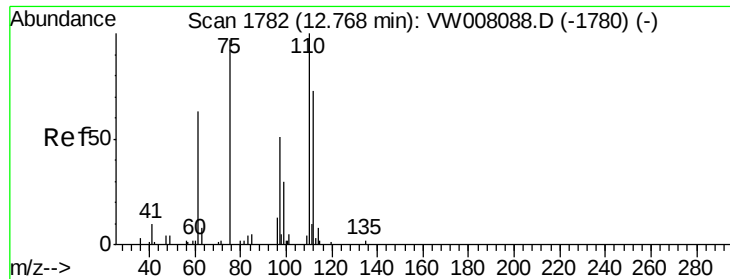
Tgt Ion:117 Resp: 159617
Ion Ratio Lower Upper
117 100
82 55.9 46.4 69.6
119 32.0 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008287.D
Acq: 15 Jan 2019 17:48

Tgt Ion:152 Resp: 75918
Ion Ratio Lower Upper
152 100
115 58.5 30.8 92.4
150 156.3 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 54.798 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008287.D

Acq: 15 Jan 2019 17:48

Instrument :

MSVOA_W

ClientSampled :

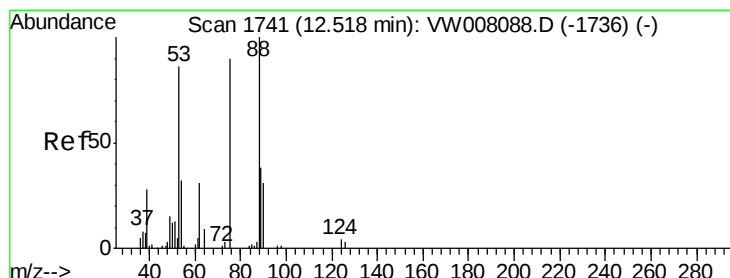
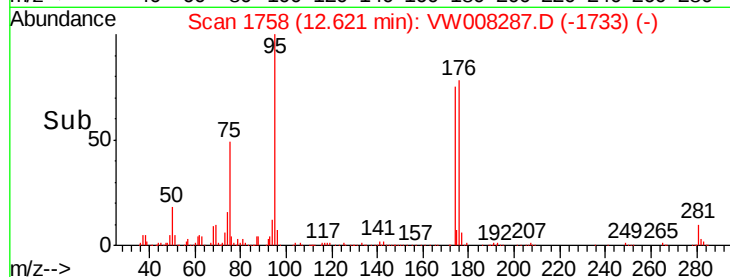
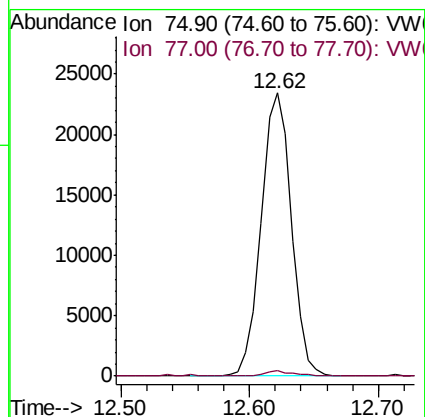
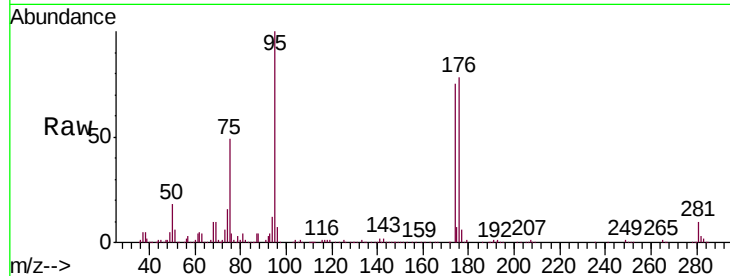
TP-3

Tgt Ion: 75 Resp: 37924

Ion Ratio Lower Upper

75 100

77 1.9 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.607 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008287.D

Acq: 15 Jan 2019 17:48

Tgt Ion: 75 Resp: 37924

Ion Ratio Lower Upper

75 100

53 0.9 78.8 118.2#

89 0.1 35.4 53.2#

