

Data File : VW006019.D
Acq On : 11 Oct 2018 06:19
Operator : SY/AP
Sample : J5373-03RE
Misc : 4.84G/5ML/MSVOA_W/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
RT1499-3783-RT3026RE

Quant Time: Oct 11 07:01:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	312915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	250418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	111329	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	107370	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.88	113	106413	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
50) Toluene-d8	10.33	98	327121	42.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.12%	
62) 4-Bromofluorobenzene	12.62	95	117985	40.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.68%	

Target Compounds

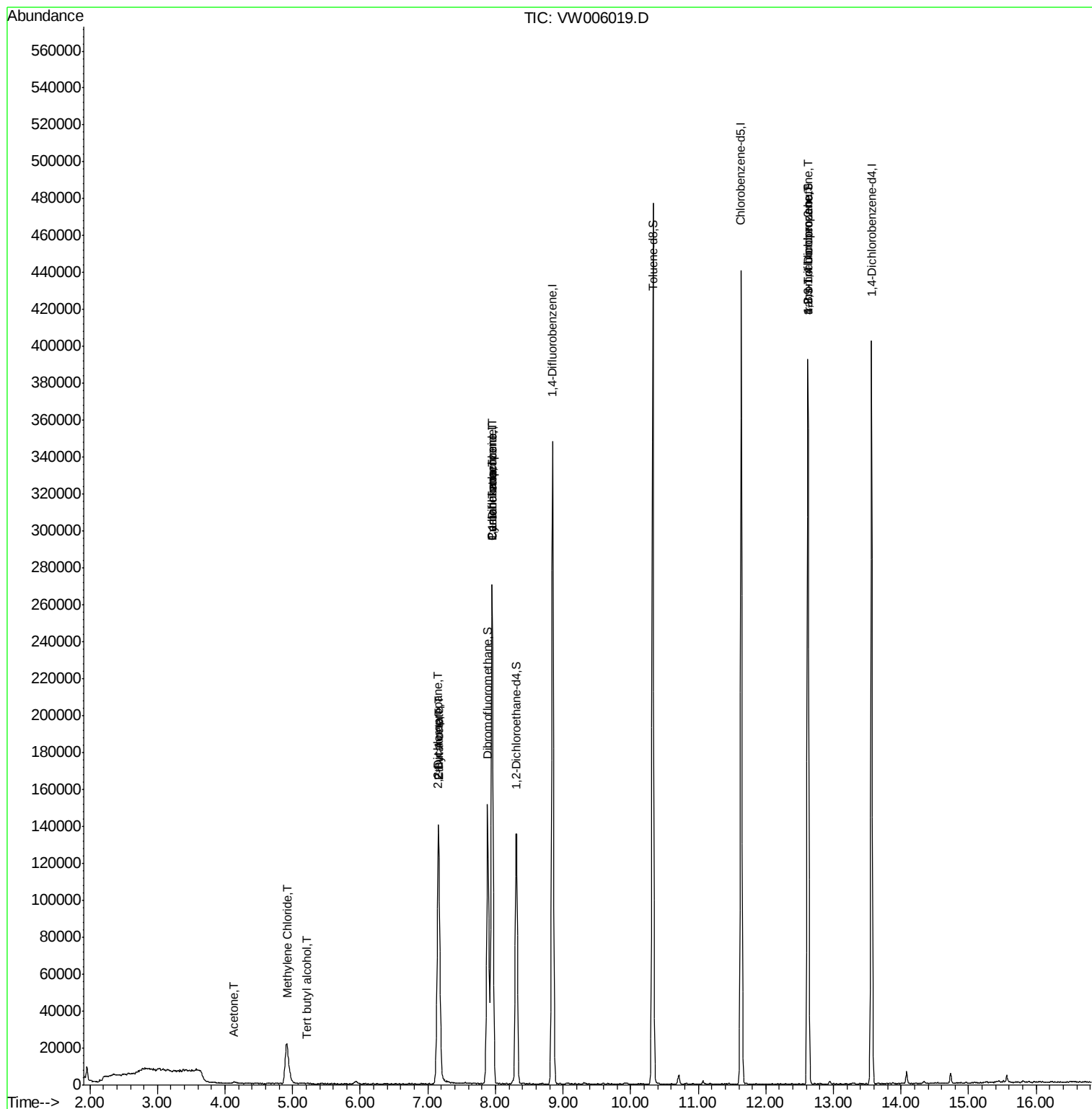
						Qvalue
11) Tert butyl alcohol	5.20	59	278	1.815	ug/l #	74
16) Acetone	4.14	43	1867	4.473	ug/l #	87
20) Methylene Chloride	4.92	84	21702	10.379	ug/l	94
25) 2-Butanone	7.15	43	7069	11.909	ug/l #	74
26) 2,2-Dichloropropane	7.15	77	9838	3.782	ug/l #	52
31) Cyclohexane	7.95	56	4121	1.127	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	14434	4.814	ug/l #	49
37) Ethyl Acetate	7.15	43	7069	5.567	ug/l #	1
38) Carbon Tetrachloride	7.95	117	19384	6.017	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	59686	60.018	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59686	126.704	ug/l #	11

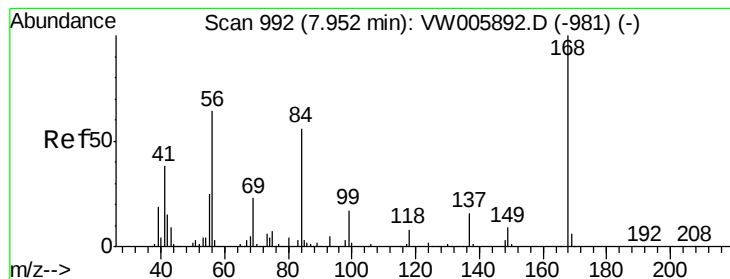
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006019.D

Acq: 11 Oct 2018 06:19

Instrument :

MSVOA_W

ClientSampleId :

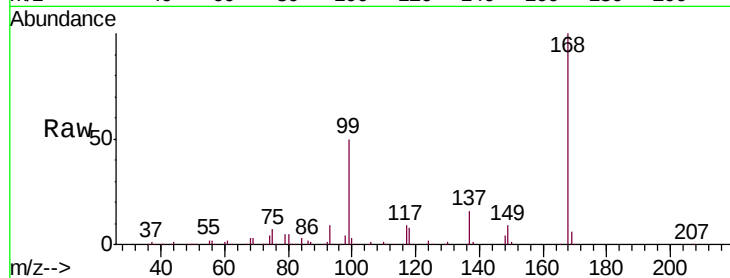
RT1499-3783-RT3026RE

Tgt Ion:168 Resp: 215234

Ion Ratio Lower Upper

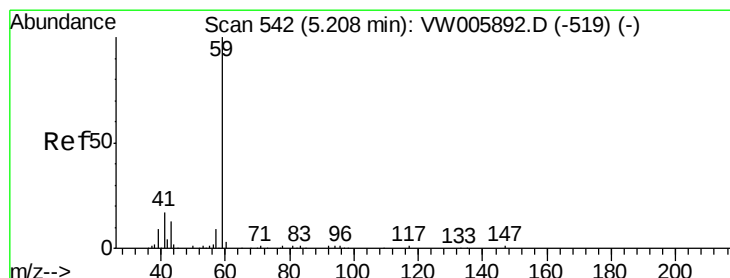
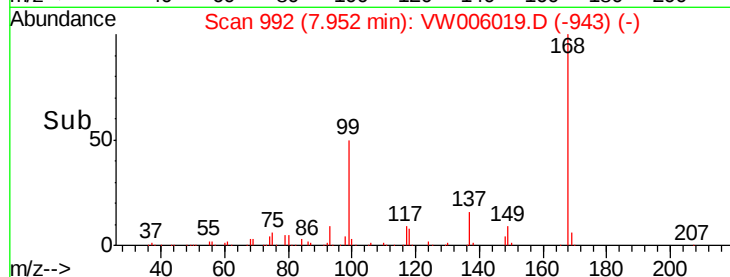
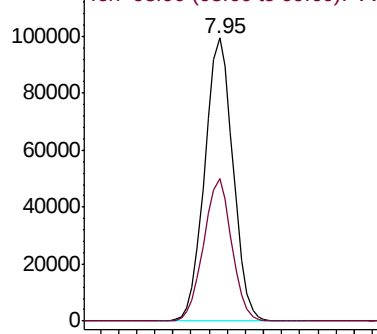
168 100

99 50.3 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.815 ug/l

RT: 5.20 min Scan# 541

Delta R.T. -0.01 min

Lab File: VW006019.D

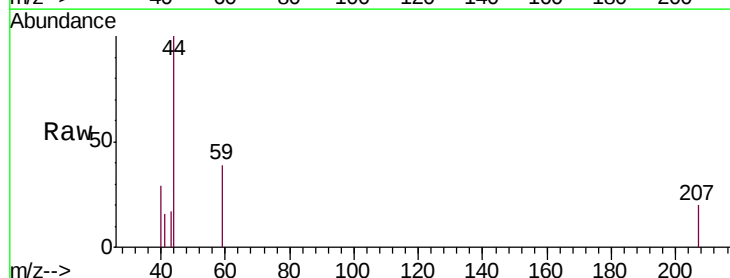
Acq: 11 Oct 2018 06:19

Tgt Ion: 59 Resp: 278

Ion Ratio Lower Upper

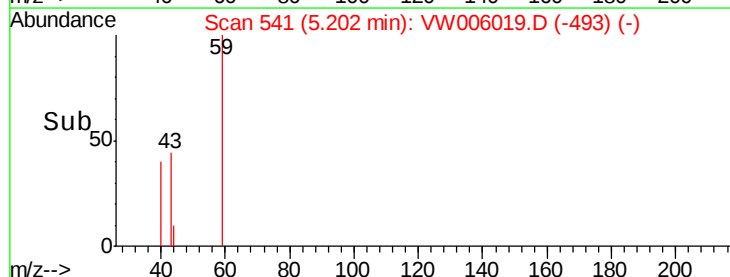
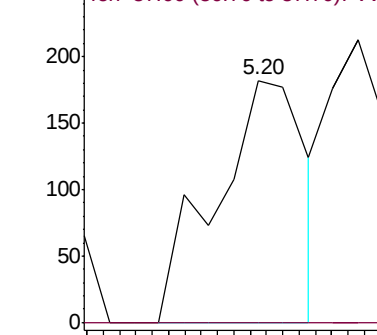
59 100

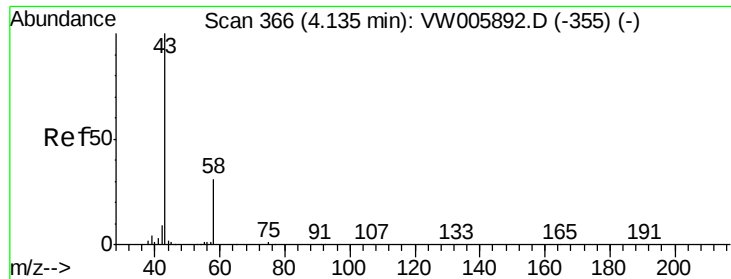
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

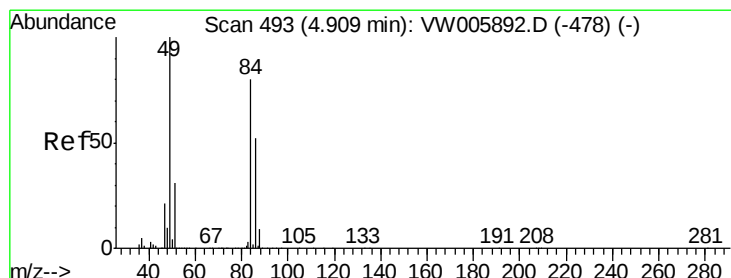
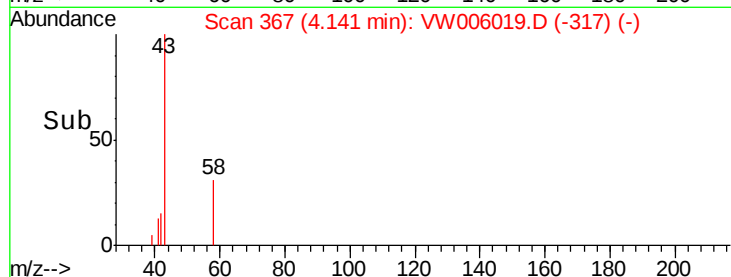
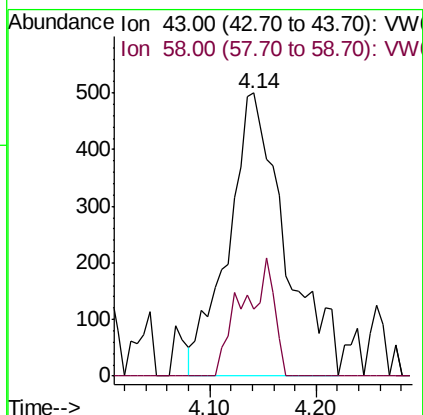
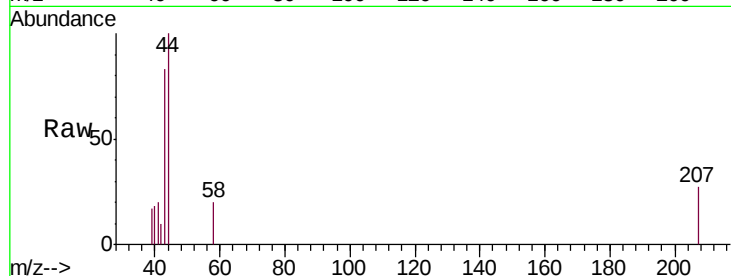




#16
Acetone
Concen: 4.473 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW006019.D
Acq: 11 Oct 2018 06:19

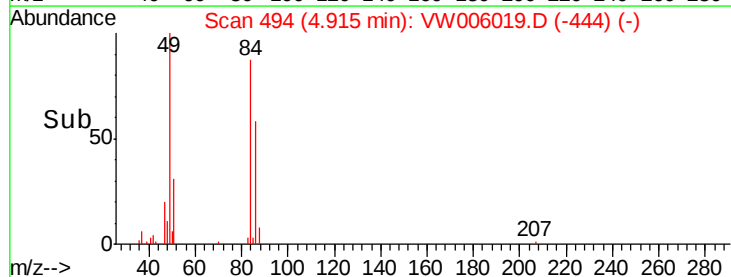
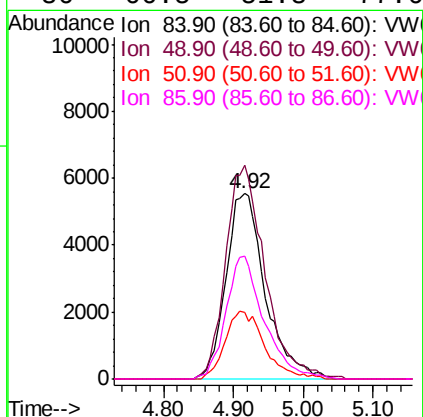
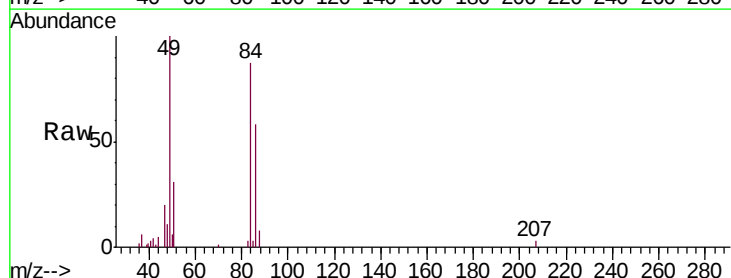
Instrument :
MSVOA_W
ClientSampleId :
RT1499-3783-RT3026RE

Tgt Ion: 43 Resp: 1867
Ion Ratio Lower Upper
43 100
58 23.8 24.7 37.1#



#20
Methylene Chloride
Concen: 10.379 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW006019.D
Acq: 11 Oct 2018 06:19

Tgt Ion: 84 Resp: 21702
Ion Ratio Lower Upper
84 100
49 115.2 99.9 149.9
51 36.0 31.1 46.7
86 66.5 51.8 77.6





#25

2-Butanone

Concen: 11.909 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW006019.D

Acq: 11 Oct 2018 06:19

Instrument :

MSVOA_W

ClientSampleId :

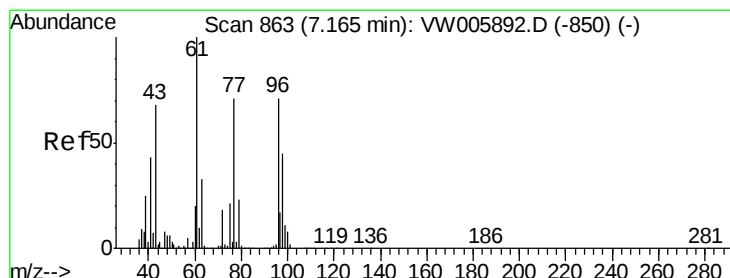
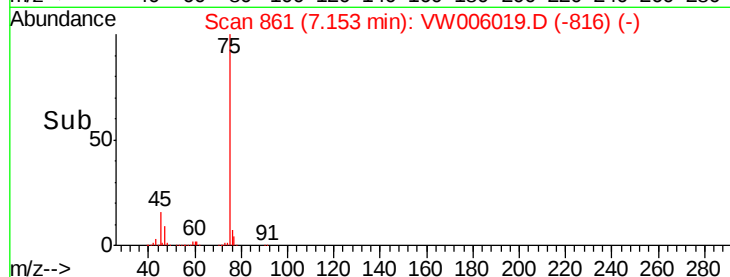
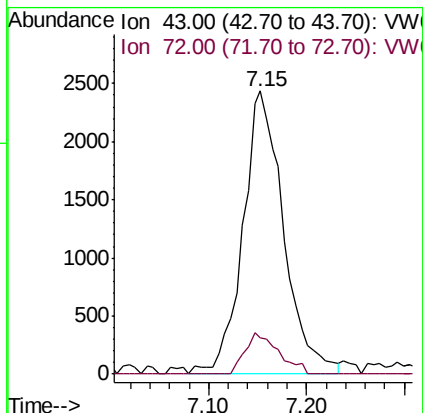
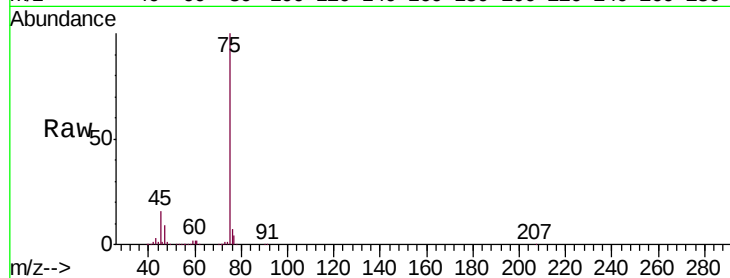
RT1499-3783-RT3026RE

Tgt Ion: 43 Resp: 7069

Ion Ratio Lower Upper

43 100

72 13.0 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 3.782 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW006019.D

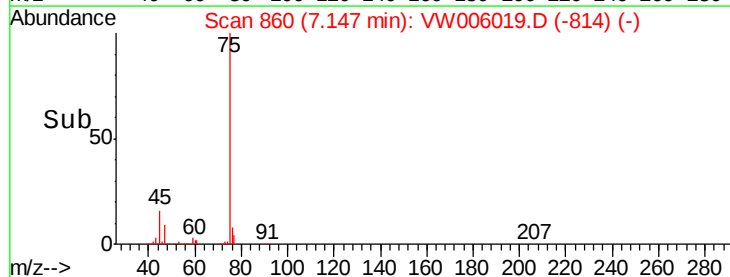
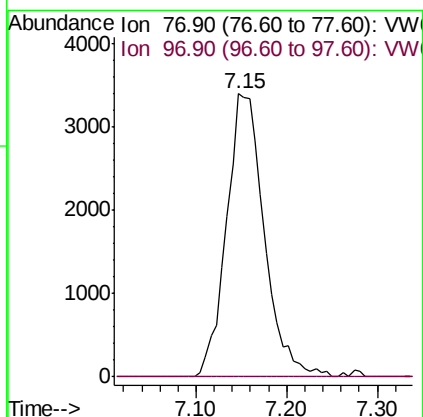
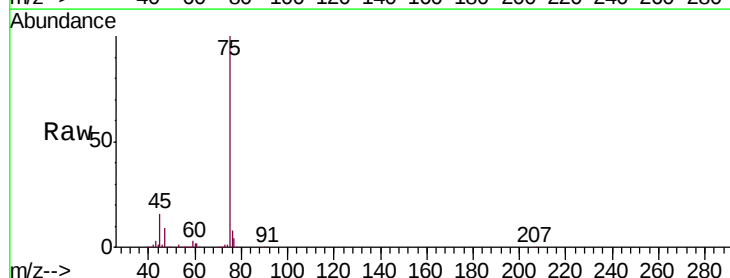
Acq: 11 Oct 2018 06:19

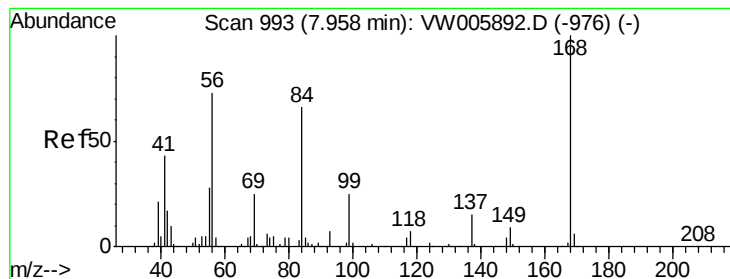
Tgt Ion: 77 Resp: 9838

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.7#





#31

Cyclohexane

Concen: 1.127 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006019.D

Acq: 11 Oct 2018 06:19

Instrument :

MSVOA_W

ClientSampleId :

RT1499-3783-RT3026RE

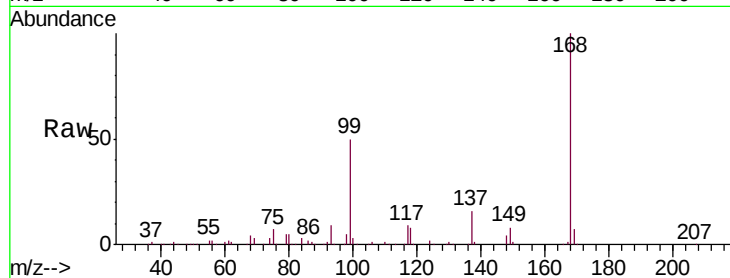
Tgt Ion: 56 Resp: 4121

Ion Ratio Lower Upper

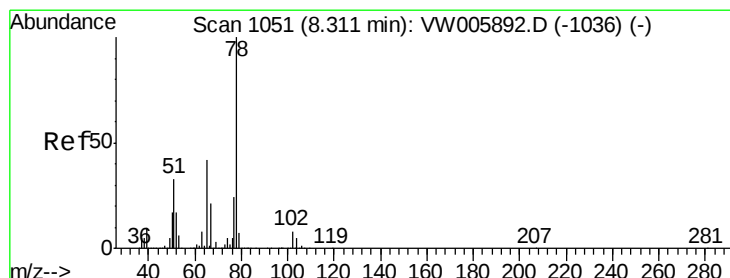
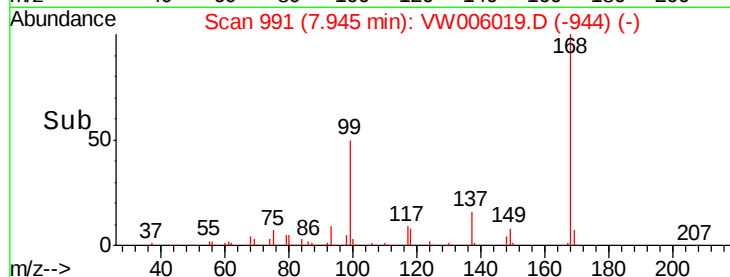
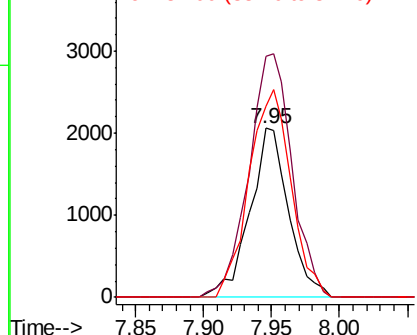
56 100

69 143.0 27.9 41.9#

84 113.0 72.3 108.5#



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: 51.387 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006019.D

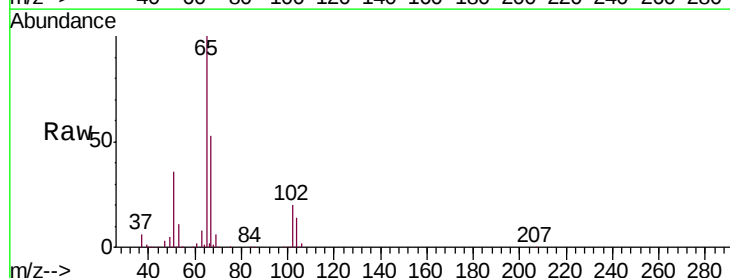
Acq: 11 Oct 2018 06:19

Tgt Ion: 65 Resp: 107370

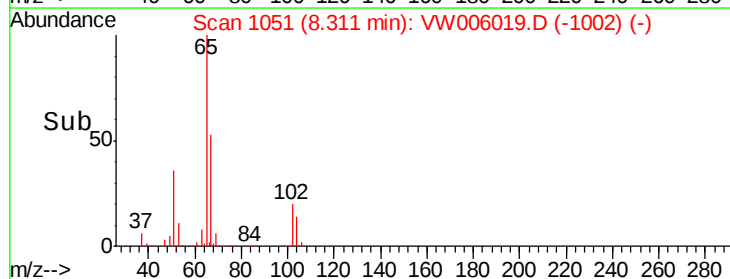
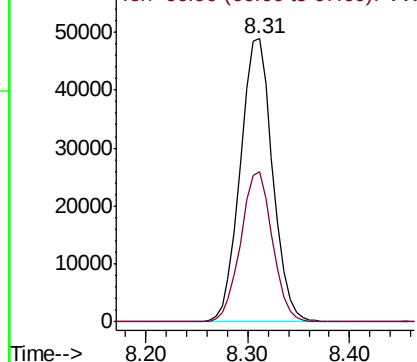
Ion Ratio Lower Upper

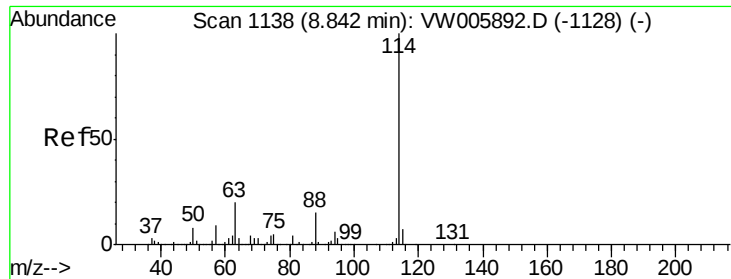
65 100

67 52.2 0.0 104.6



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

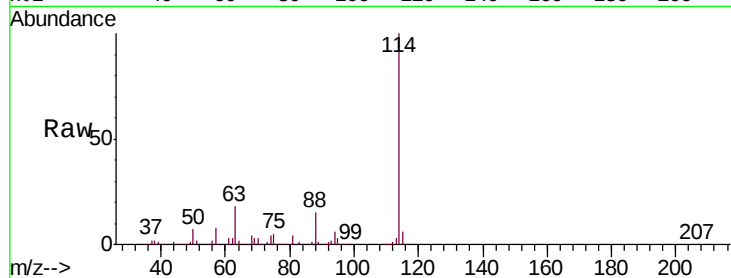




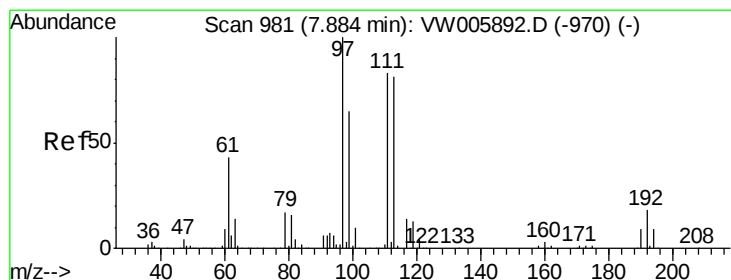
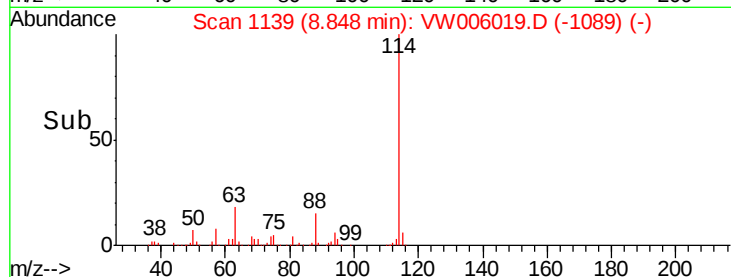
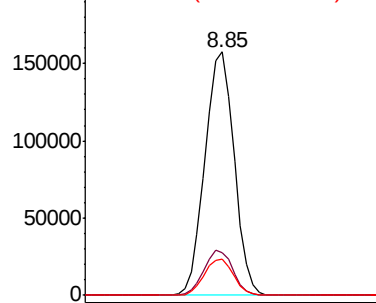
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW006019.D
 Acq: 11 Oct 2018 06:19

Instrument :
 MSVOA_W
 ClientSampleId :
 RT1499-3783-RT3026RE

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	39.2
88	14.8	0.0	30.8

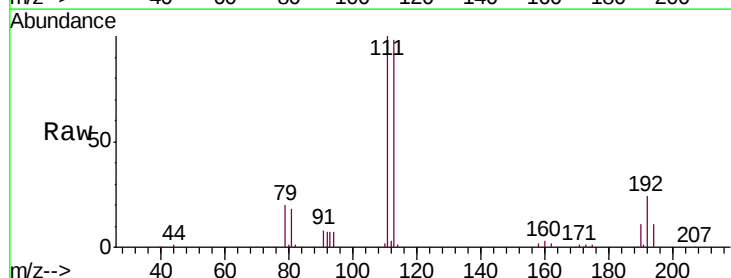


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

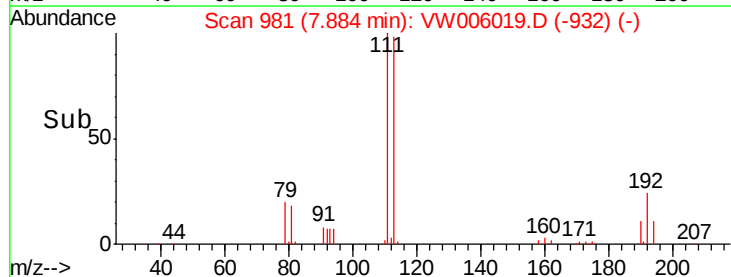
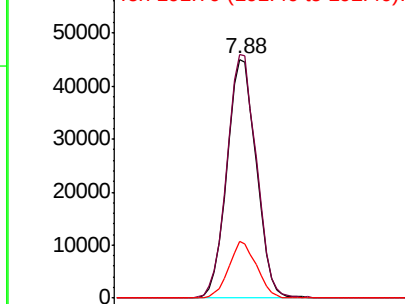


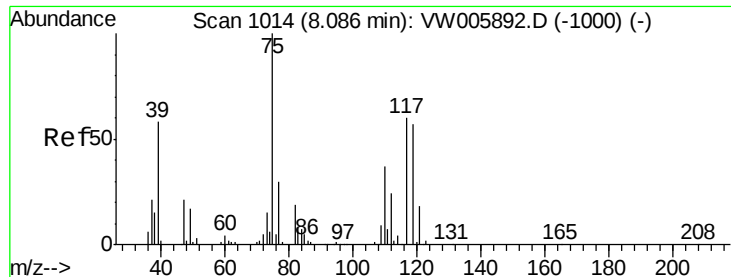
#35
 Dibromofluoromethane
 Concen: 53.264 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW006019.D
 Acq: 11 Oct 2018 06:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.0	123.0
192	22.6	18.3	27.5



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: 4.814 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW006019.D

Acq: 11 Oct 2018 06:19

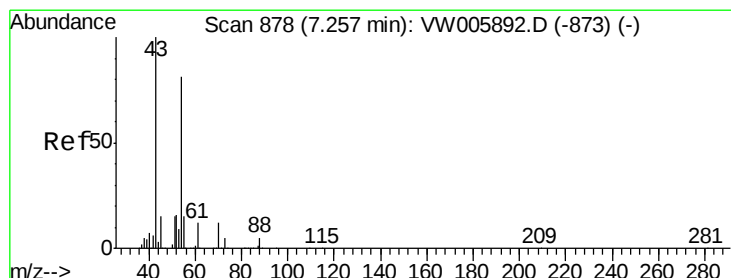
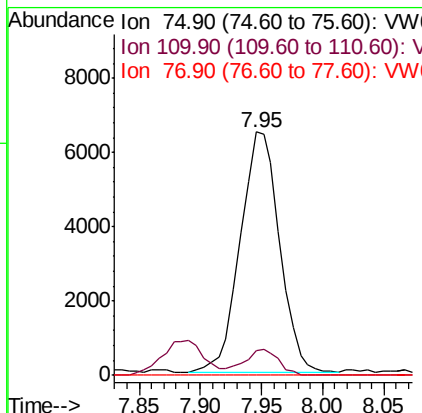
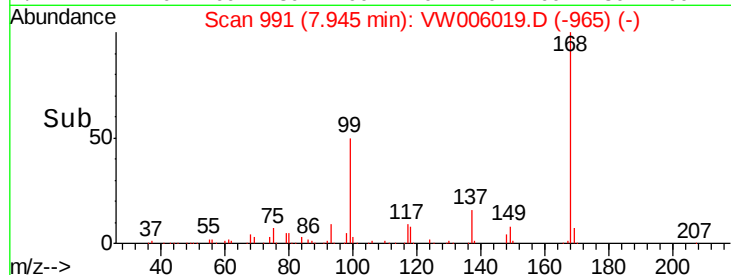
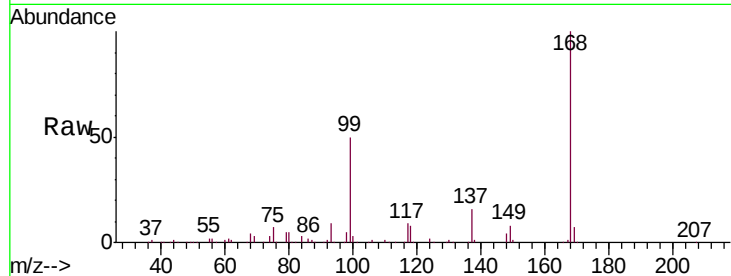
Instrument :

MSVOA_W

ClientSampleId :

RT1499-3783-RT3026RE

Tgt Ion:	75	Resp:	14434
Ion Ratio	Lower	Upper	
75	100		
110	9.4	18.6	56.0#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 5.567 ug/l

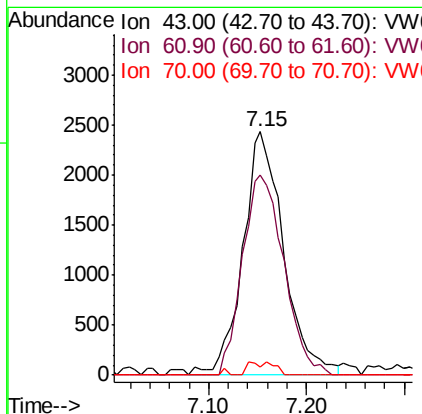
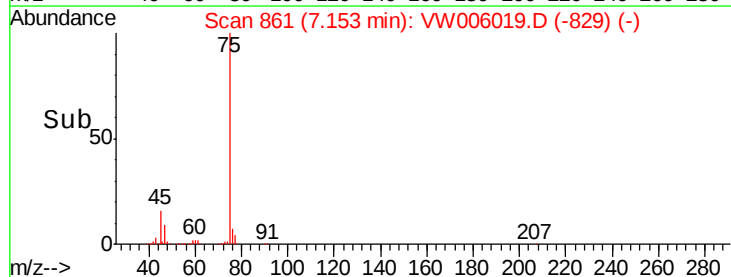
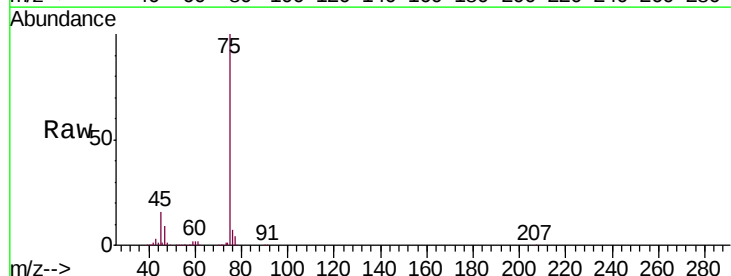
RT: 7.15 min Scan# 861

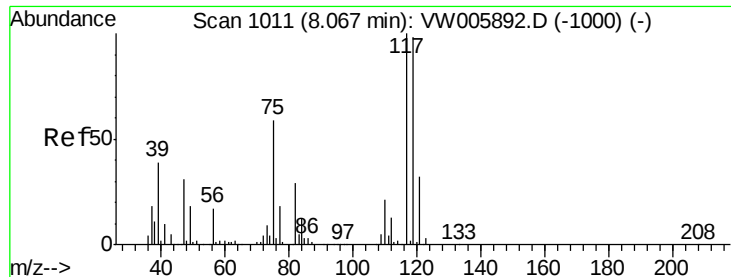
Delta R.T. -0.10 min

Lab File: VW006019.D

Acq: 11 Oct 2018 06:19

Tgt Ion:	43	Resp:	7069
Ion Ratio	Lower	Upper	
43	100		
61	83.3	10.6	16.0#
70	1.8	8.6	13.0#

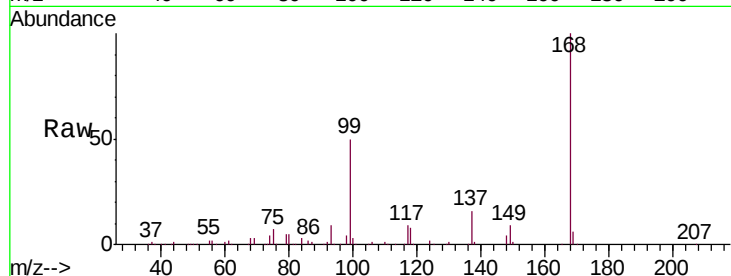




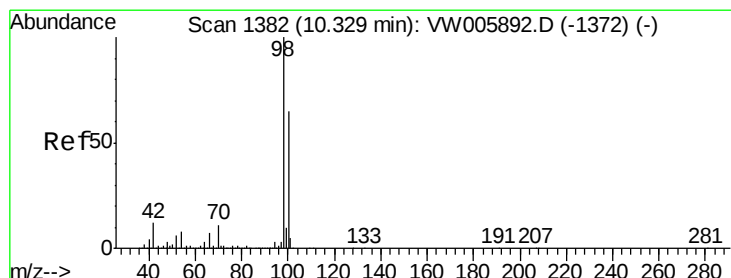
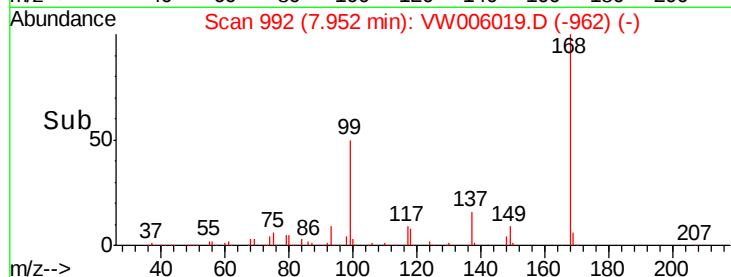
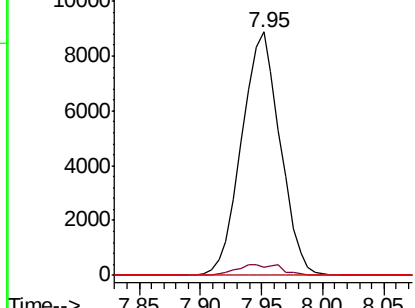
#38
Carbon Tetrachloride
Concen: 6.017 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006019.D
Acq: 11 Oct 2018 06:19

Instrument :
MSVOA_W
ClientSampleId :
RT1499-3783-RT3026RE

Tgt Ion: 117 Resp: 19384
Ion Ratio Lower Upper
117 100
119 3.2 78.6 117.8#
121 0.0 25.3 37.9#

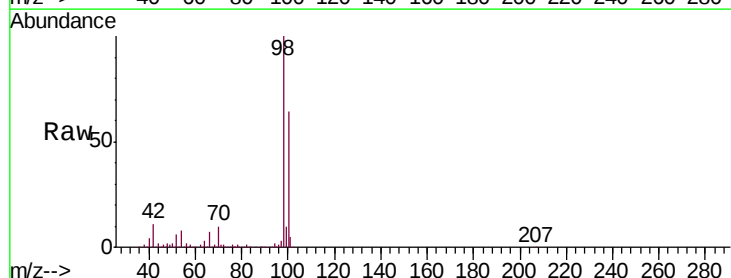


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

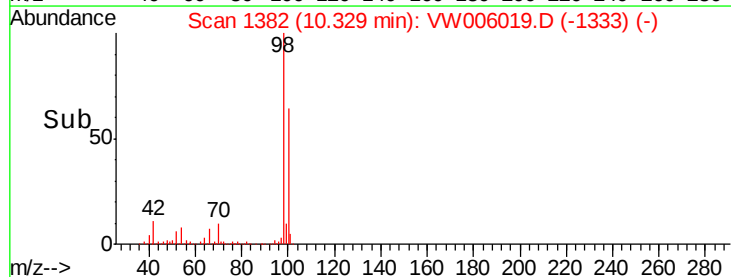
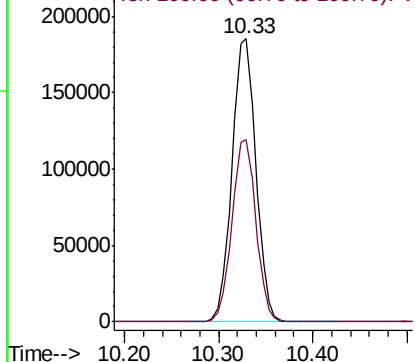


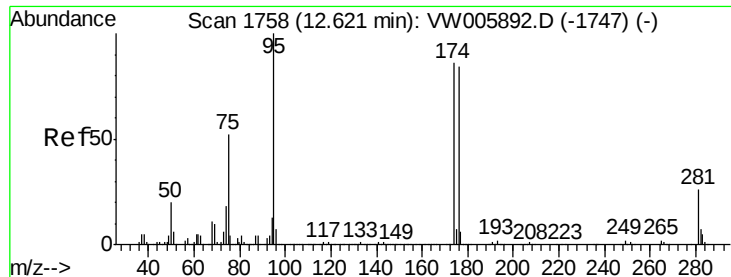
#50
Toluene-d8
Concen: 42.558 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006019.D
Acq: 11 Oct 2018 06:19

Tgt Ion: 98 Resp: 327121
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 40.345 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006019.D

Acq: 11 Oct 2018 06:19

Instrument :

MSVOA_W

ClientSampleId :

RT1499-3783-RT3026RE

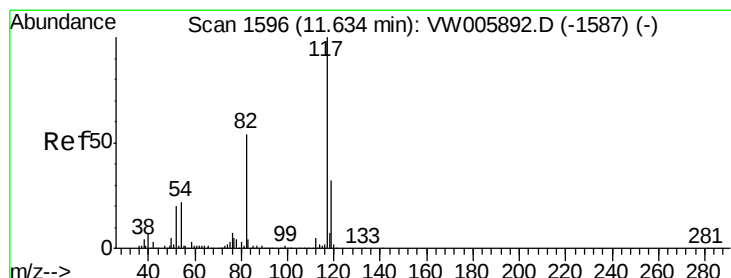
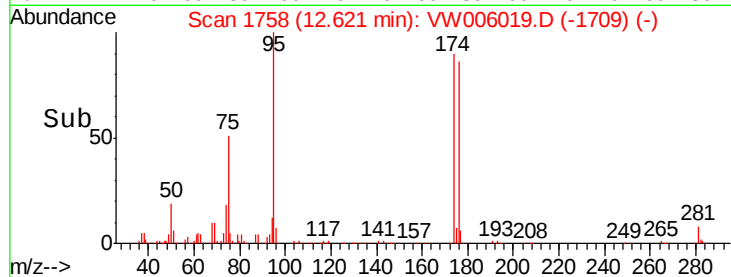
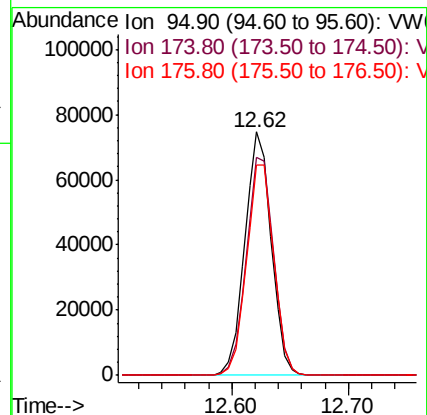
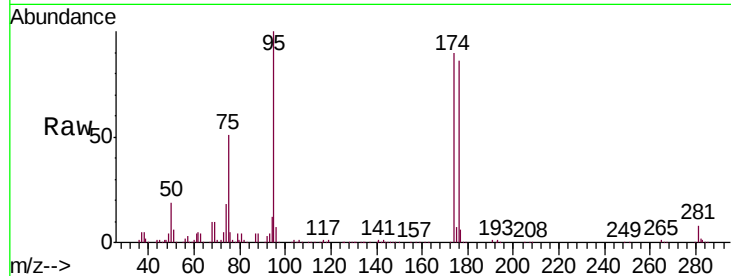
Tgt Ion: 95 Resp: 117985

Ion Ratio Lower Upper

95 100

174 92.8 0.0 176.4

176 89.5 0.0 173.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW006019.D

Acq: 11 Oct 2018 06:19

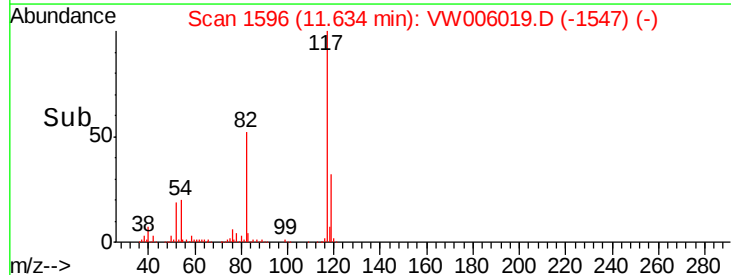
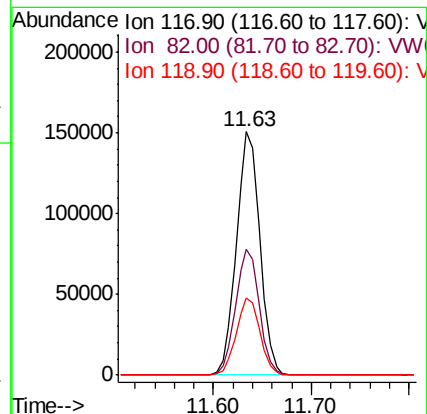
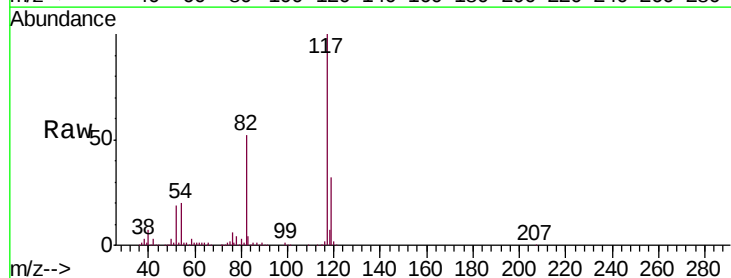
Tgt Ion: 117 Resp: 250418

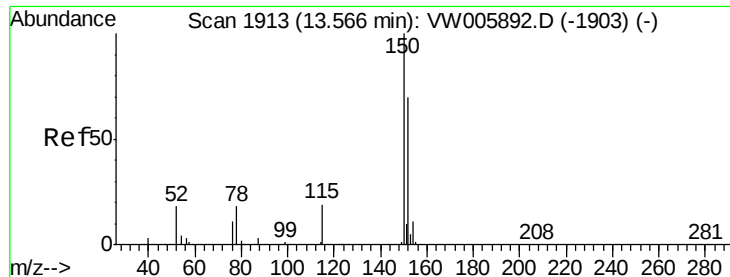
Ion Ratio Lower Upper

117 100

82 51.6 43.5 65.3

119 31.7 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006019.D

Acq: 11 Oct 2018 06:19

Instrument :

MSVOA_W

ClientSampleId :

RT1499-3783-RT3026RE

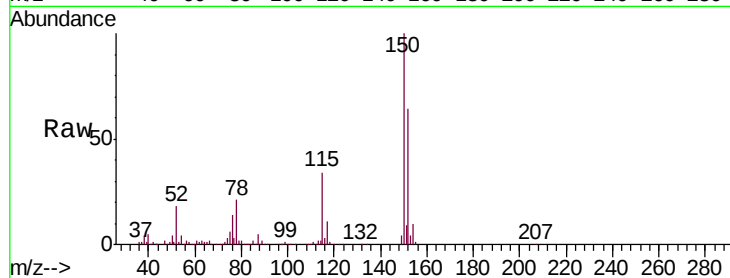
Tgt Ion: 152 Resp: 111329

Ion Ratio Lower Upper

152 100

115 55.0 28.3 85.0

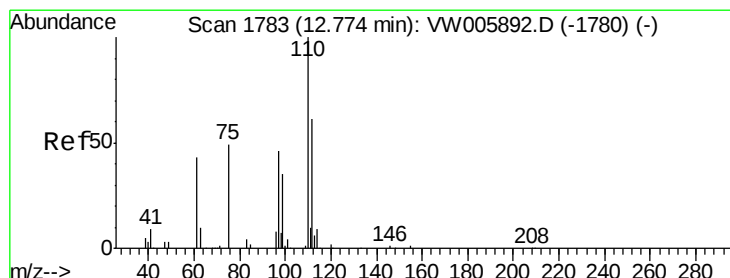
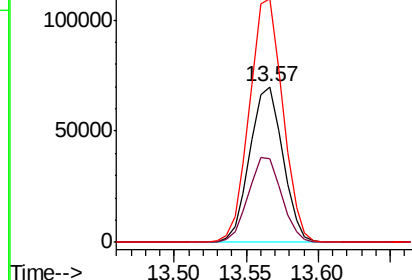
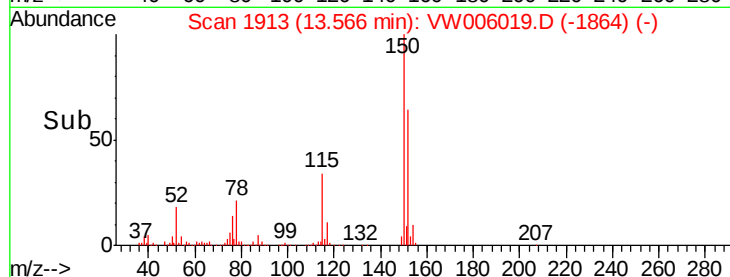
150 157.1 0.0 349.2



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: 60.018 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006019.D

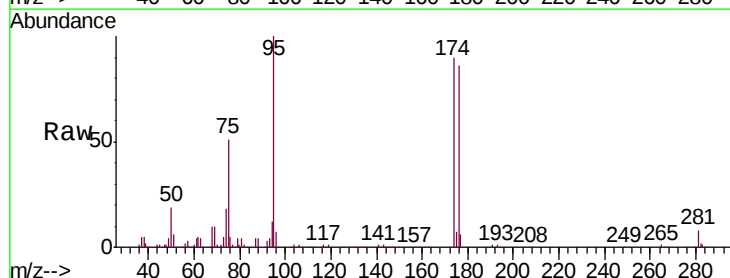
Acq: 11 Oct 2018 06:19

Tgt Ion: 75 Resp: 59686

Ion Ratio Lower Upper

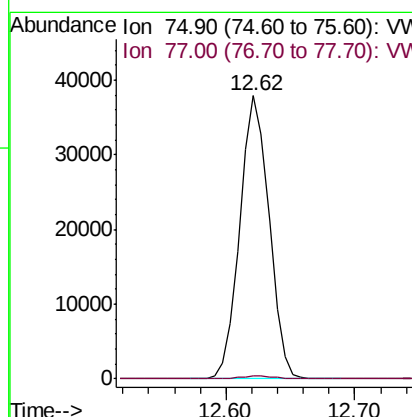
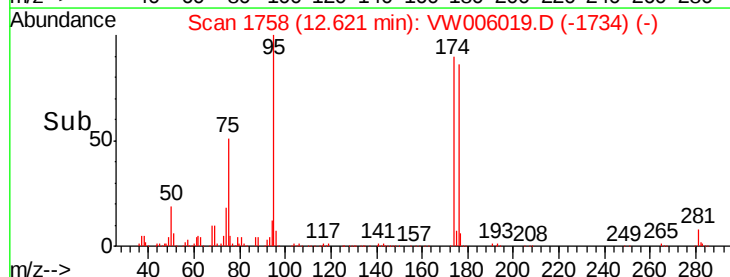
75 100

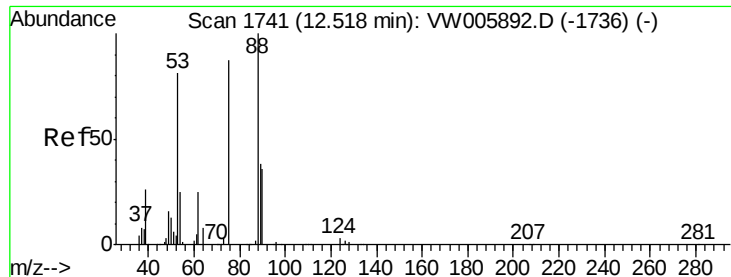
77 1.1 0.0 0.0#



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: 126.704 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006019.D

Acq: 11 Oct 2018 06:19

Instrument :

MSVOA_W

ClientSampleId :

RT1499-3783-RT3026RE

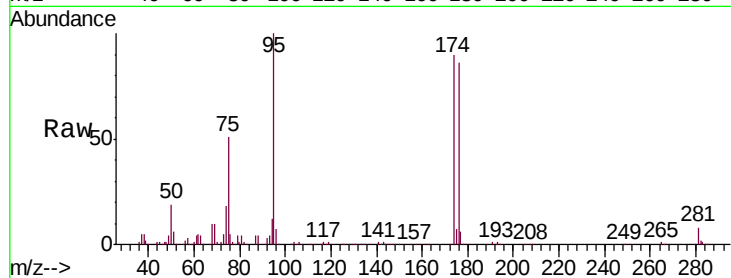
Tgt Ion: 75 Resp: 59686

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.0 37.6 56.4#



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

