

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030819\
 Data File : VW009067.D
 Acq On : 08 Mar 2019 20:51
 Operator : SY/VA
 Sample : K1807-05RE
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3RE

Quant Time: Mar 09 01:21:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	459004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	194537	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	176132	61.59	ug/l	0.00
Spiked Amount			Recovery	=	123.18%	
35) Dibromofluoromethane	7.88	113	142799	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
50) Toluene-d8	10.32	98	553026	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.62	95	185187	41.44	ug/l	0.00
Spiked Amount			Recovery	=	82.88%	

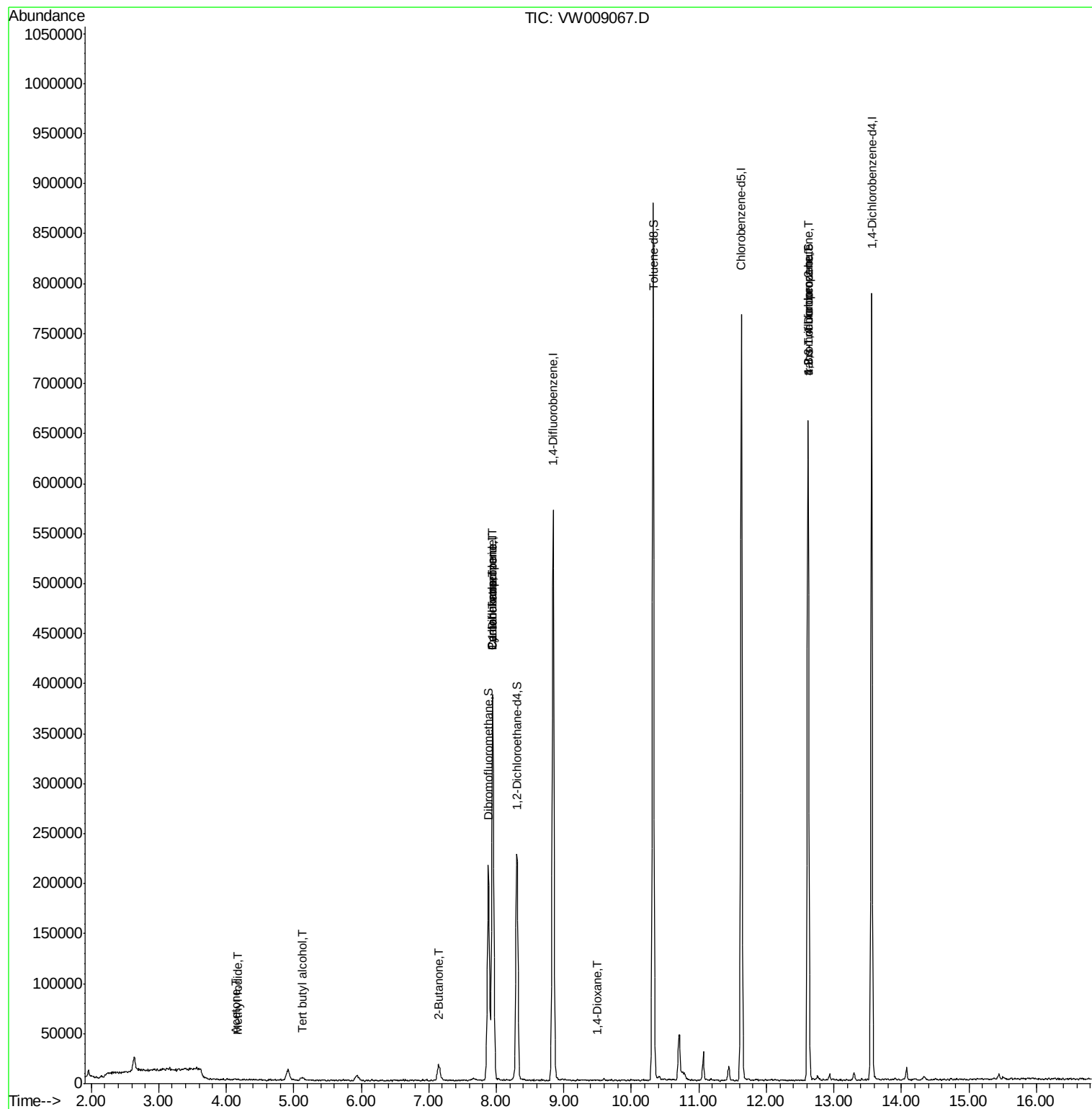
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.17	142	19	3.193	ug/l #	1
11) Tert butyl alcohol	5.12	59	966	4.408	ug/l #	88
16) Acetone	4.14	43	1967	3.048	ug/l	98
20) Methylene Chloride	4.91	84	7833	Below Cal	#	86
25) 2-Butanone	7.16	43	1207	1.353	ug/l #	50
31) Cyclohexane	7.95	56	7307	1.370	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	22882	4.768	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28627	5.776	ug/l #	18
49) 1,4-Dioxane	9.49	88	34	1.355	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	100142	65.154	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	100142	145.732	ug/l #	5

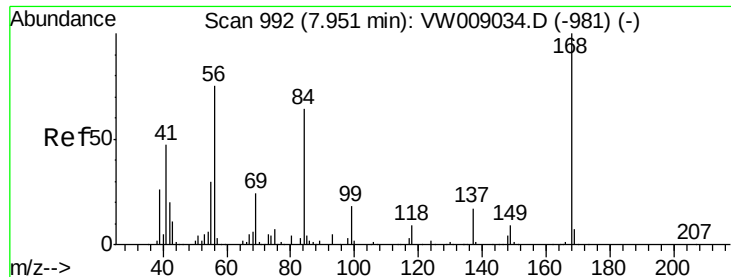
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 09 01:21:36 2019
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
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: VW009067.D

Acq: 08 Mar 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

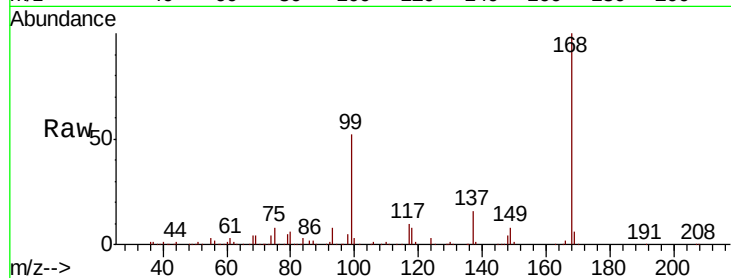
TP-3RE

Tot Ion:168 Resp: 284223

Ion Ratio Lower Upper

168 100

99 51.6 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

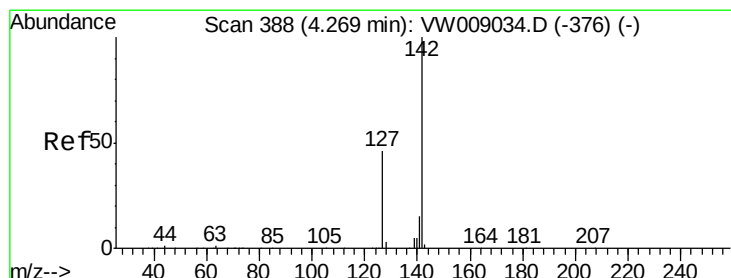
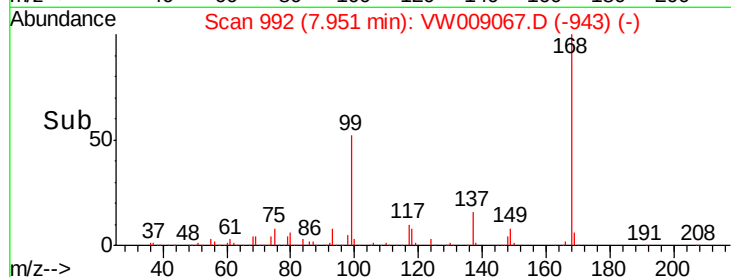
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#10

Methyl Iodide

Concen: 3.193 ug/l

RT: 4.17 min Scan# 371

Delta R.T. -0.10 min

Lab File: VW009067.D

Acq: 08 Mar 2019 20:51

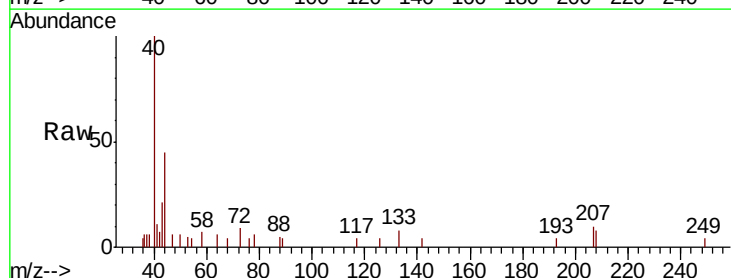
Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 300.0 35.8 53.6#

141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

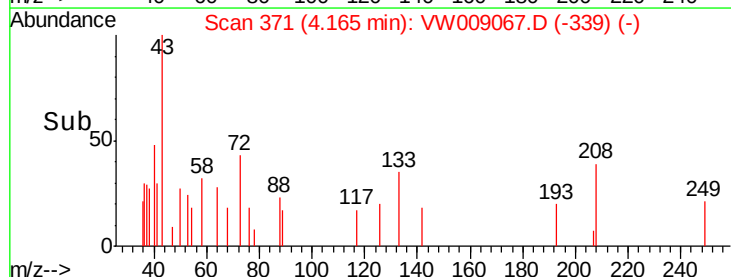
Ion 140.80 (140.50 to 141.50): V

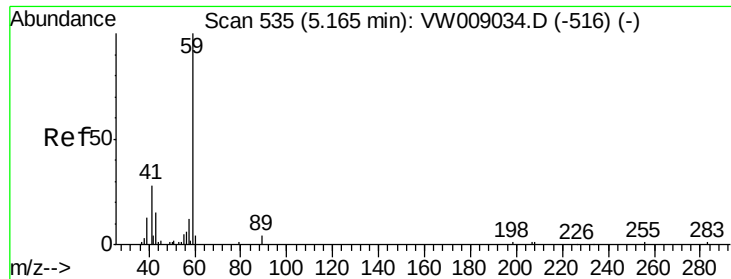
100

50

0

Time--> 4.15 4.16 4.17 4.18

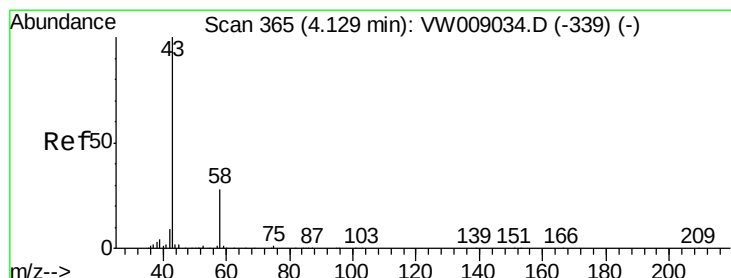
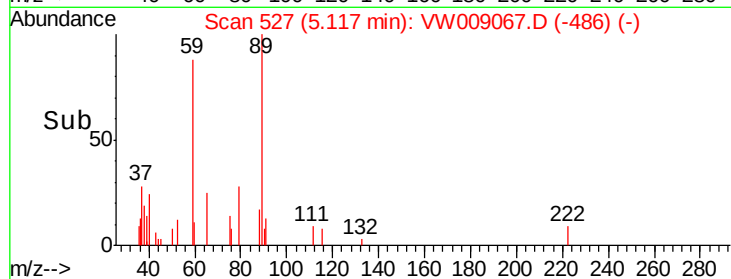
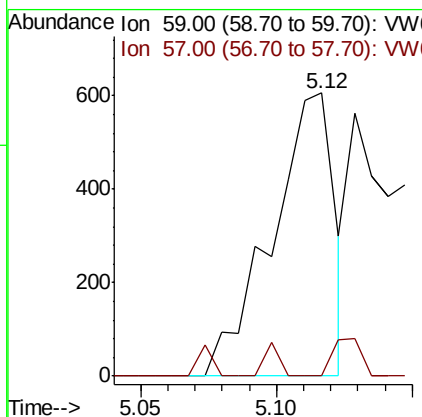
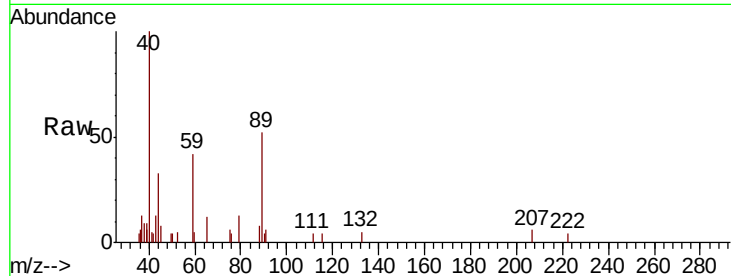




#11
Tert butyl alcohol
Concen: 4.408 ug/l
RT: 5.12 min Scan# 527
Delta R.T. -0.05 min
Lab File: VW009067.D
Acq: 08 Mar 2019 20:51

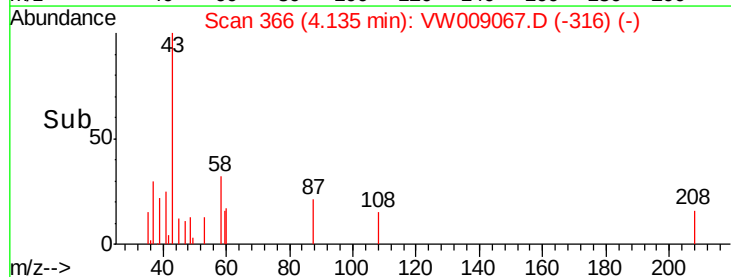
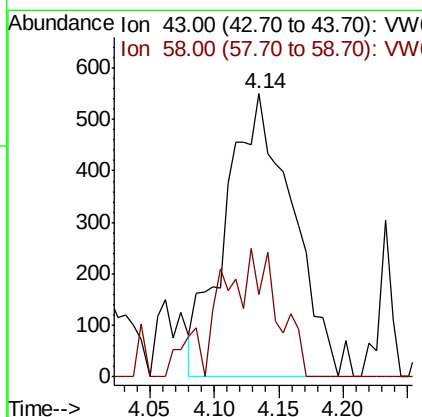
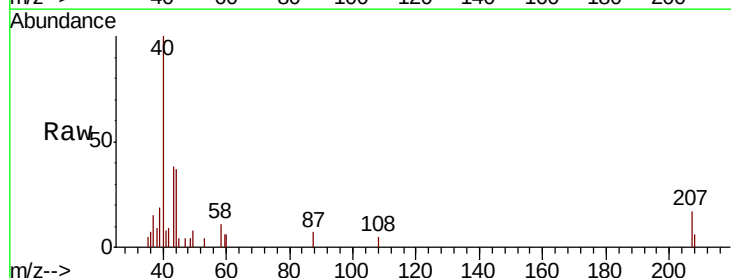
Instrument :
MSVOA_W
ClientSampled :
TP-3RE

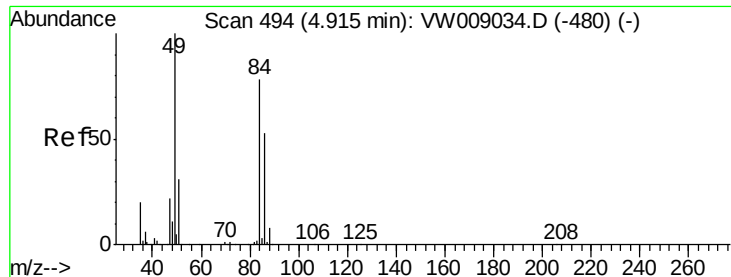
Tot Ion: 59 Resp: 966
Ion Ratio Lower Upper
59 100
57 6.0 8.6 12.8#



#16
Acetone
Concen: 3.048 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW009067.D
Acq: 08 Mar 2019 20:51

Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
58 28.9 22.5 33.7

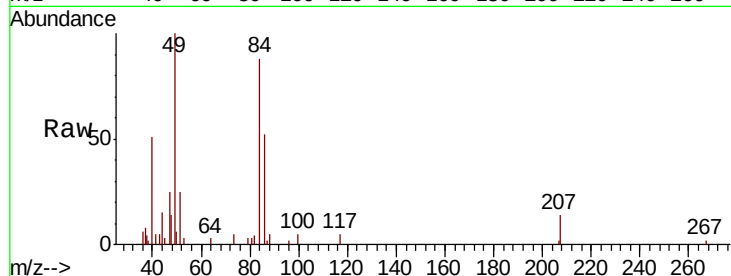




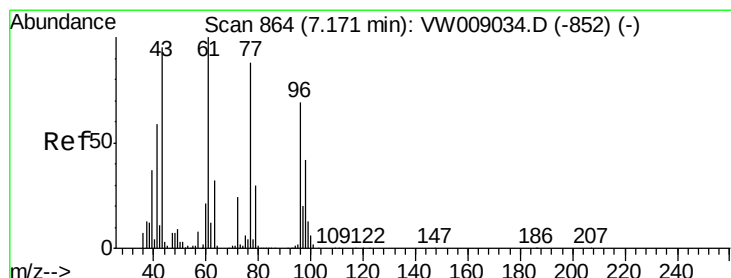
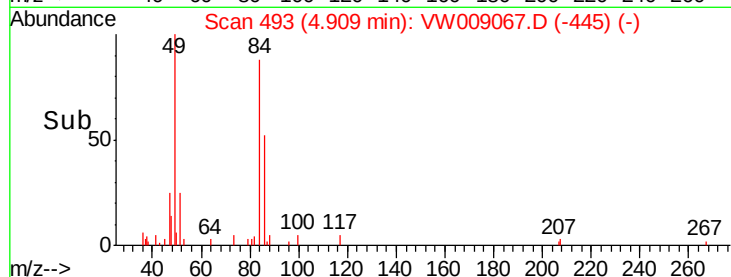
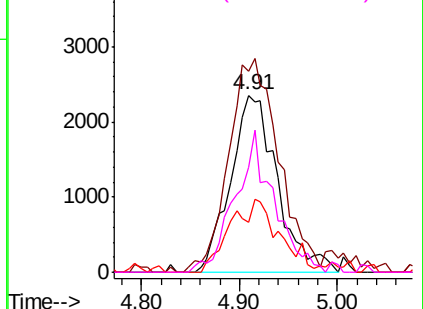
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009067.D
Acq: 08 Mar 2019 20:51

Instrument :
MSVOA_W
ClientSampled :
TP-3RE

Tot Ion: 84 Resp: 7833
Ion Ratio Lower Upper
84 100
49 110.8 102.4 153.6
51 28.3 31.6 47.4#
86 59.5 54.5 81.7

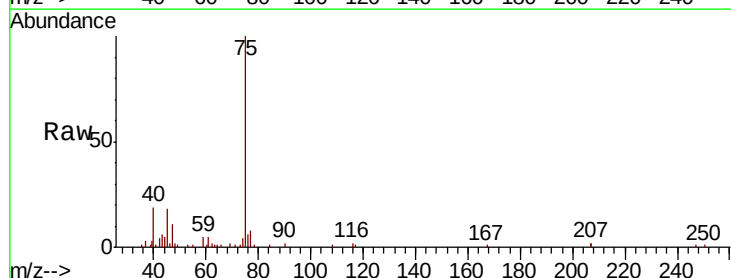


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

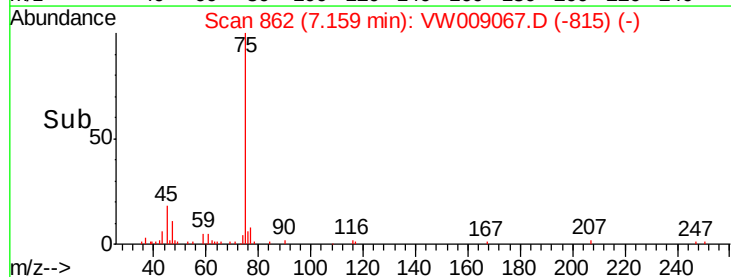
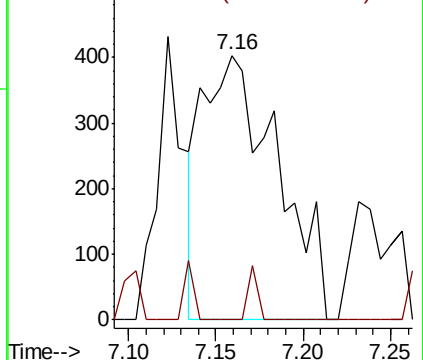


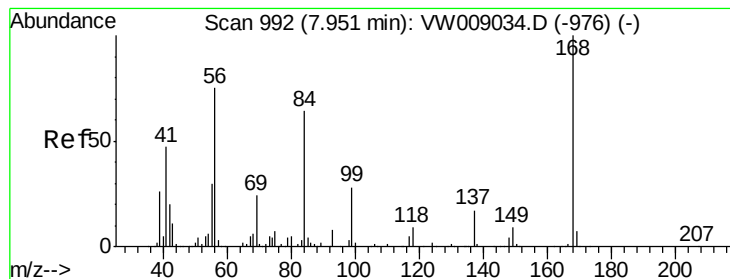
#25
2-Butanone
Concen: 1.353 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009067.D
Acq: 08 Mar 2019 20:51

Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
72 0.0 20.0 30.0#



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





#31

Cyclohexane

Concen: 1.370 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009067.D

Acq: 08 Mar 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

TP-3RE

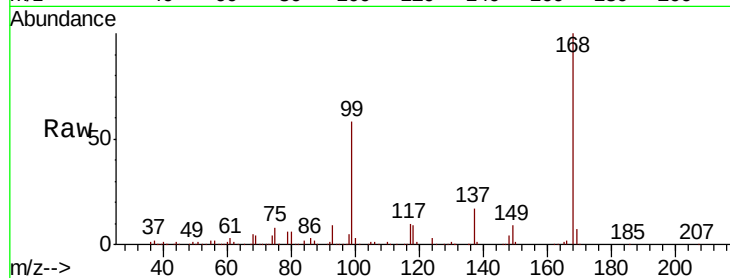
Tot Ion: 56 Resp: 7307

Ion Ratio Lower Upper

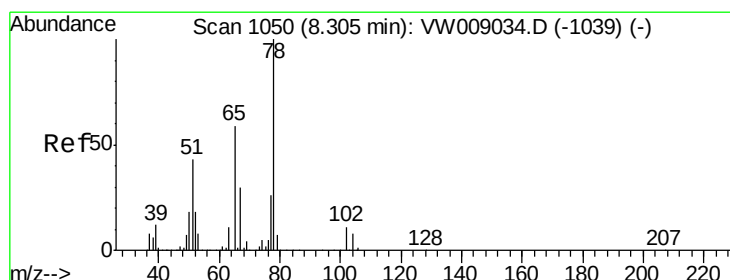
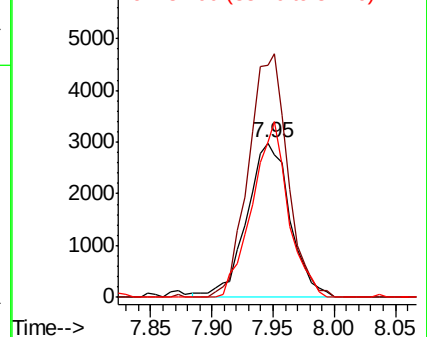
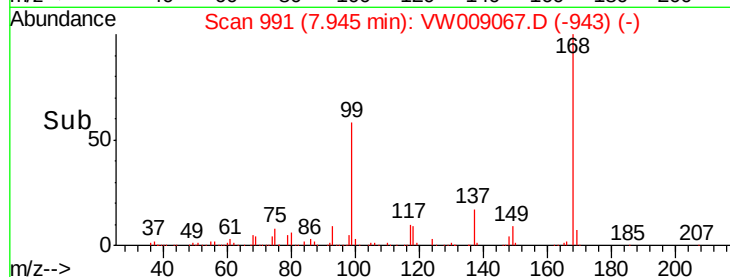
56 100

69 150.3 25.5 38.3#

84 100.2 68.6 103.0



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: 61.594 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009067.D

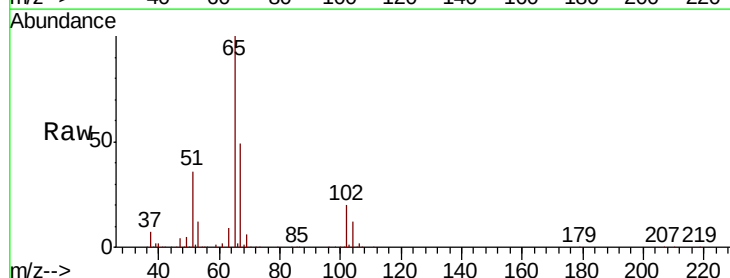
Acq: 08 Mar 2019 20:51

Tgt Ion: 65 Resp: 176132

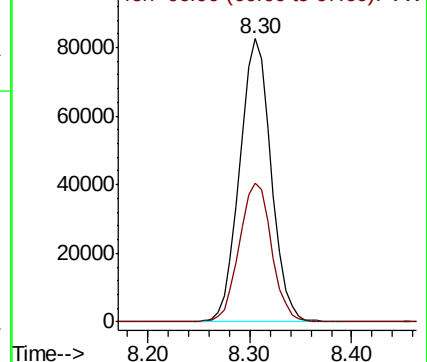
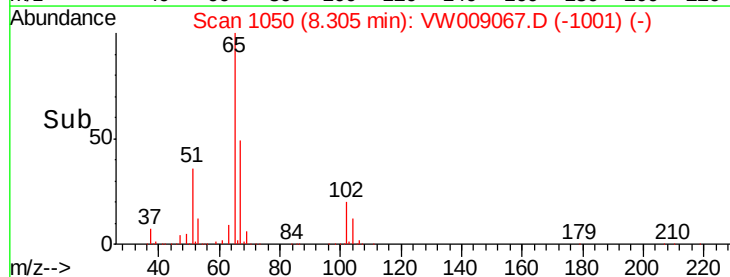
Ion Ratio Lower Upper

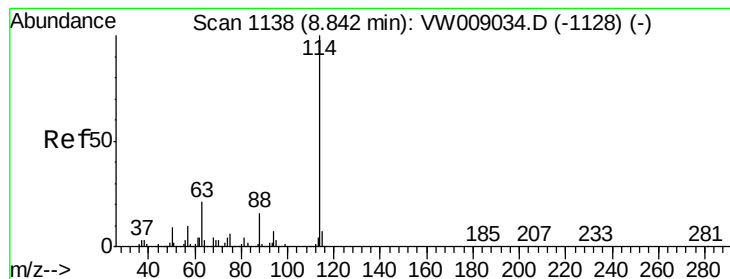
65 100

67 50.5 0.0 103.0



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. -0.00 min

Lab File: VW009067.D

Acq: 08 Mar 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

TP-3RE

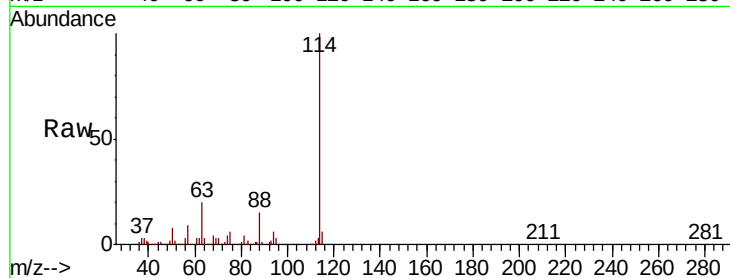
Tot Ion:114 Resp: 459004

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.2

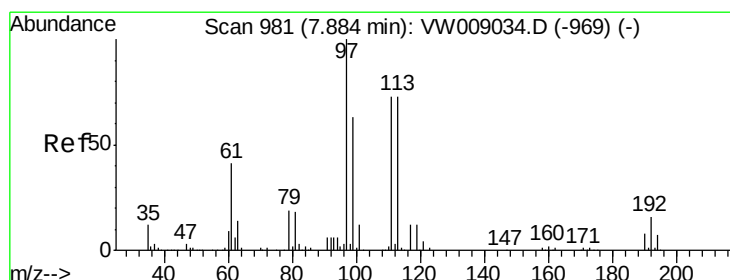
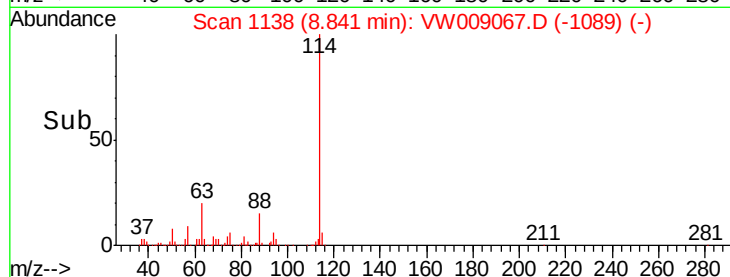
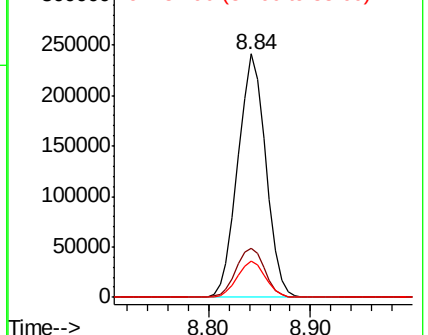
88 14.8 0.0 31.2



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: 51.671 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009067.D

Acq: 08 Mar 2019 20:51

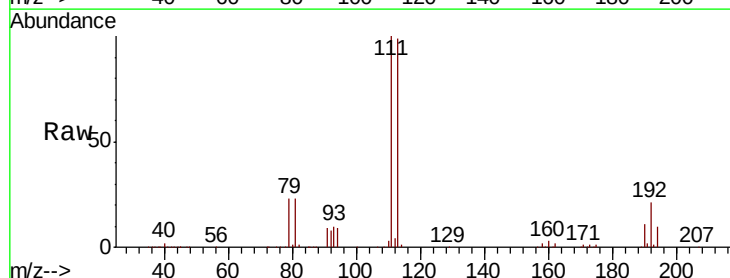
Tgt Ion:113 Resp: 142799

Ion Ratio Lower Upper

113 100

111 103.1 81.0 121.4

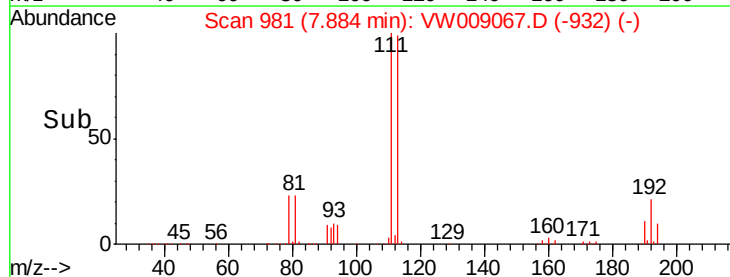
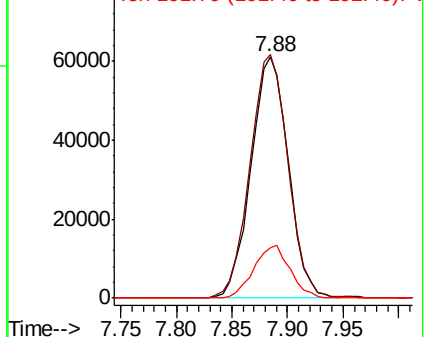
192 21.2 17.1 25.7

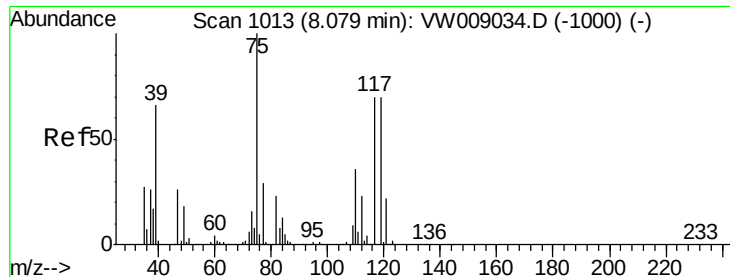


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

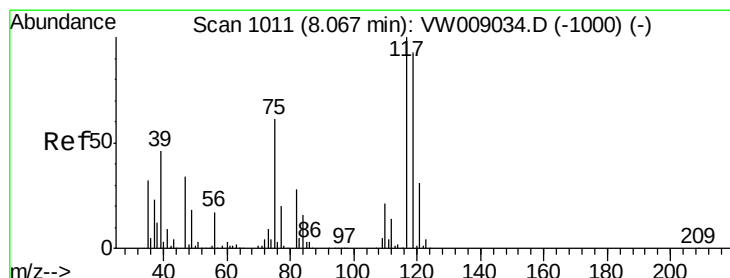
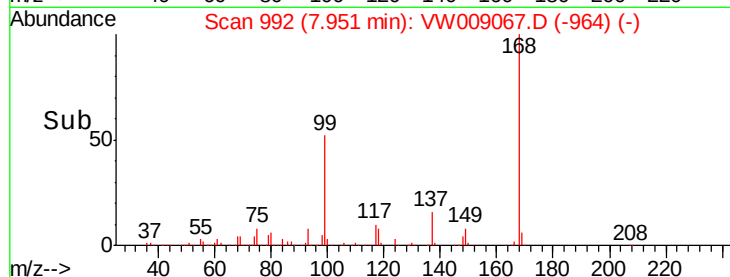
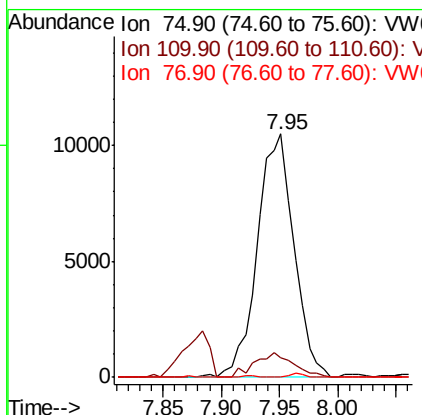
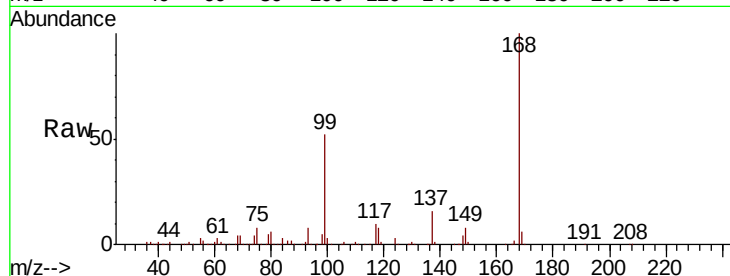




#36
 1,1-Dichloropropene
 Concen: 4.768 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW009067.D
 Acq: 08 Mar 2019 20:51

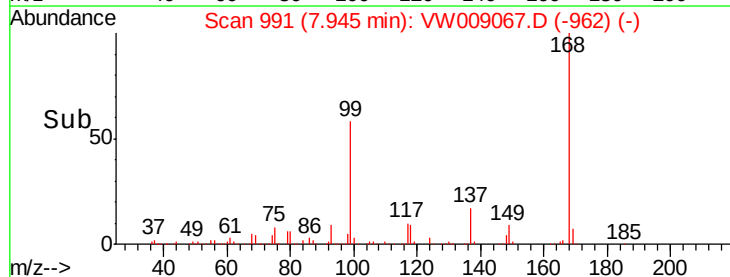
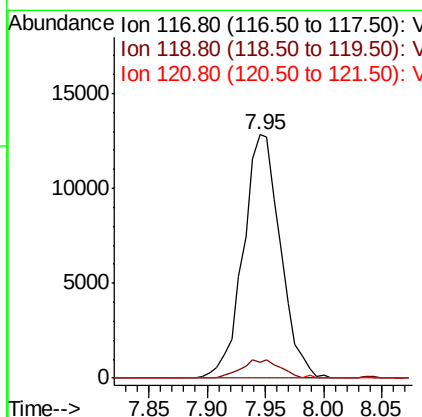
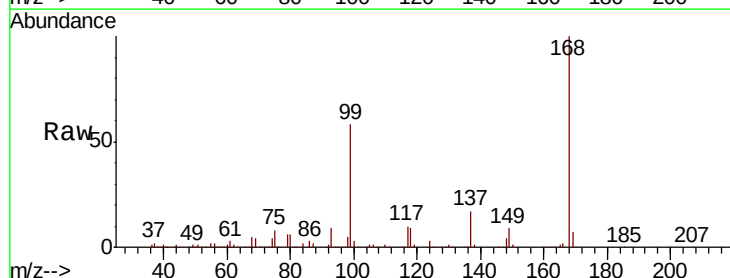
Instrument :
 MSVOA_W
 ClientSampled :
 TP-3RE

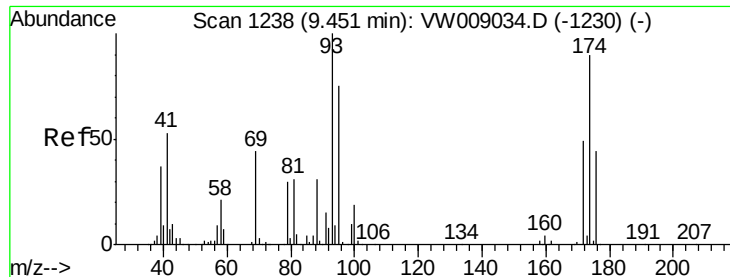
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	17.6	52.9#
77	0.6	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.776 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW009067.D
 Acq: 08 Mar 2019 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	74.6	112.0#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 1.355 ug/l

RT: 9.49 min Scan# 1245

Delta R.T. 0.04 min

Lab File: VW009067.D

Acq: 08 Mar 2019 20:51

Instrument :

MSVOA_W

ClientSampled :

TP-3RE

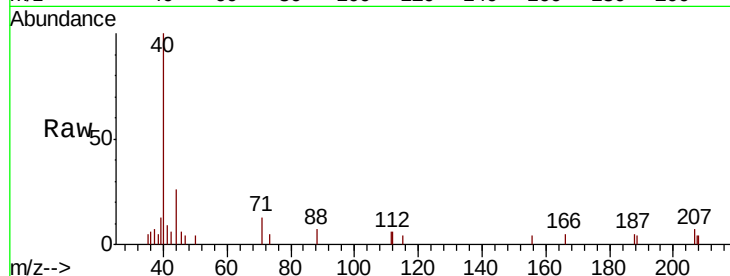
Tot Ion: 88 Resp: 34

Ion Ratio Lower Upper

88 100

43 511.8 29.0 43.4#

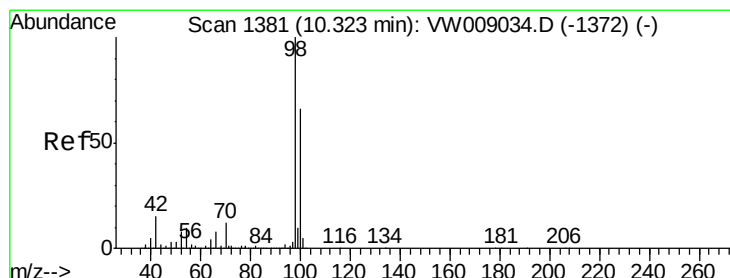
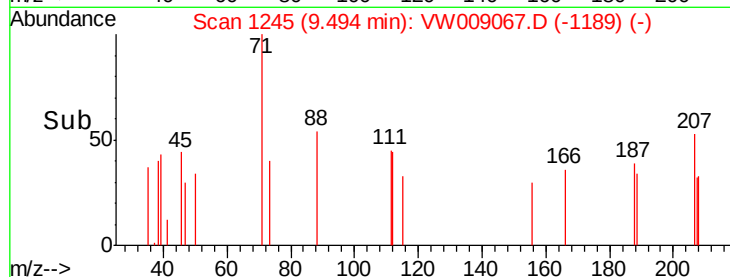
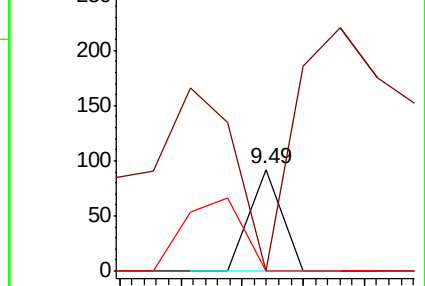
58 129.4 59.2 88.8#



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: 48.722 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009067.D

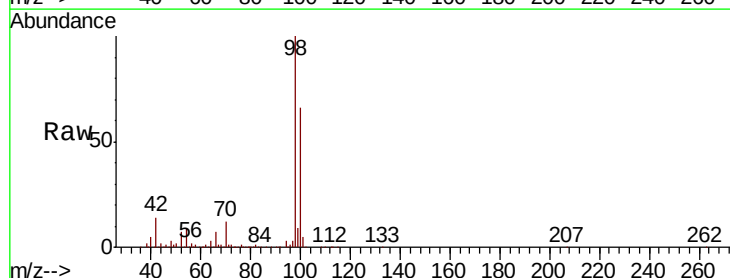
Acq: 08 Mar 2019 20:51

Tgt Ion: 98 Resp: 553026

Ion Ratio Lower Upper

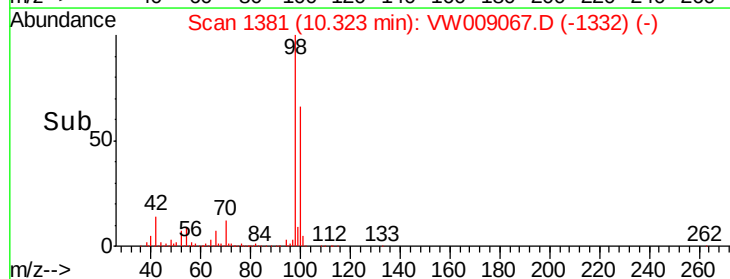
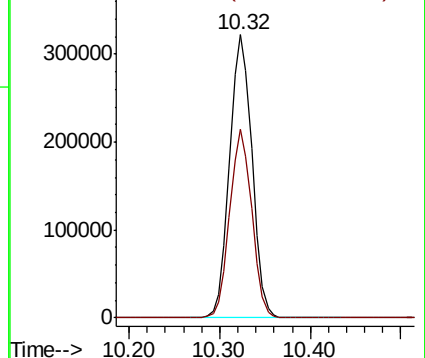
98 100

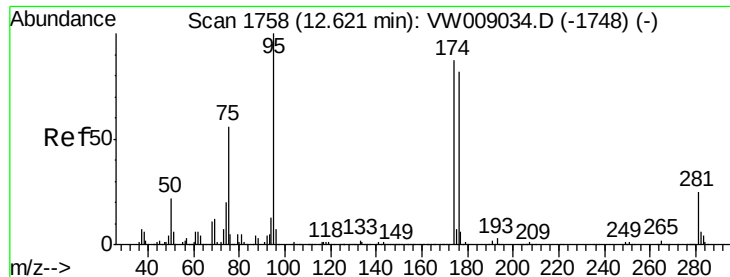
100 65.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

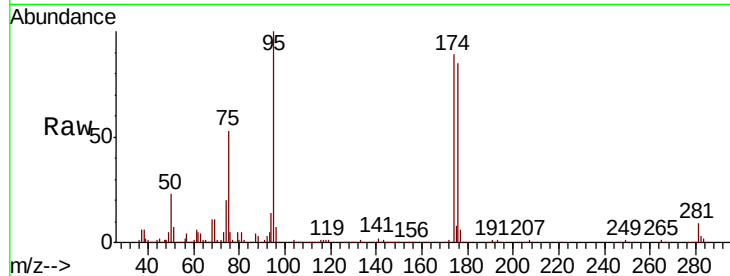




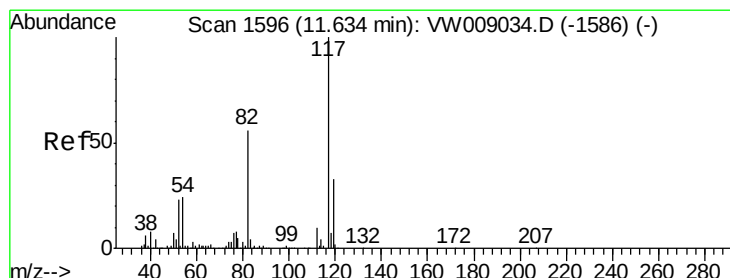
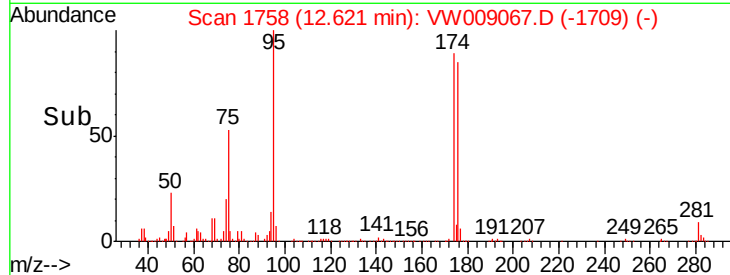
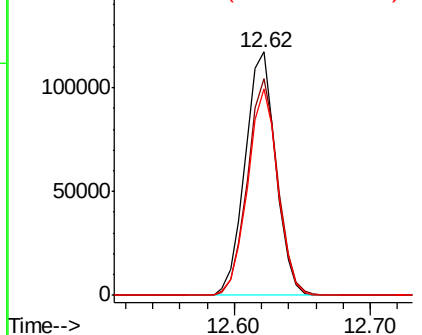
#62
4-Bromofluorobenzene
Concen: 41.445 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW009067.D
Acq: 08 Mar 2019 20:51

Instrument :
MSVOA_W
ClientSampled :
TP-3RE

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	167.0
176	83.8	0.0	159.4

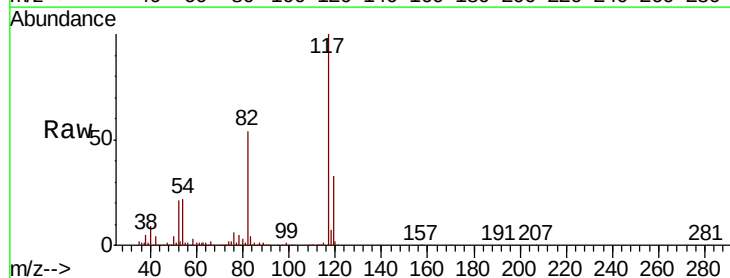


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

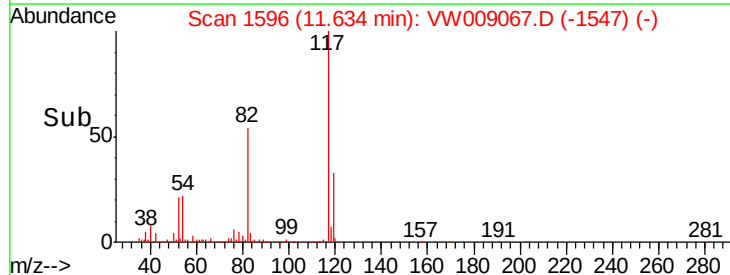
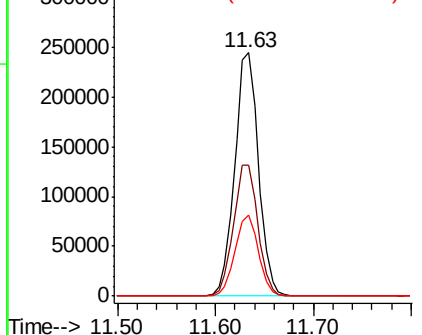


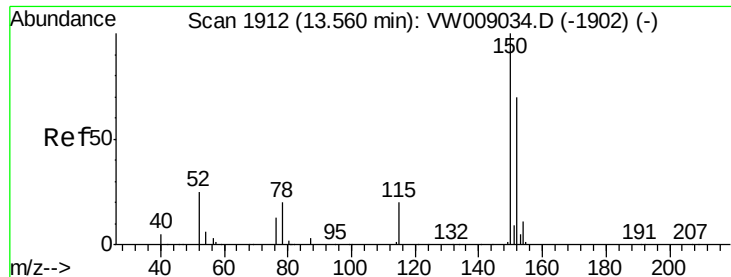
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009067.D
Acq: 08 Mar 2019 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.0	67.6
119	33.1	26.6	39.8



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



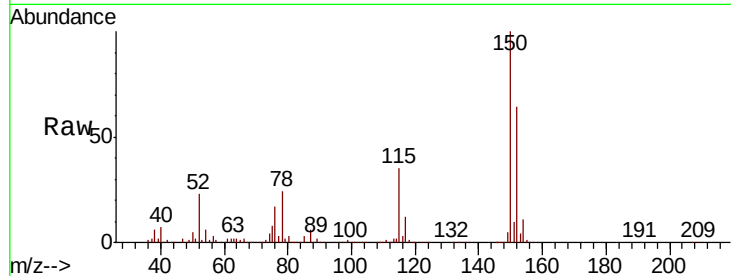


#72

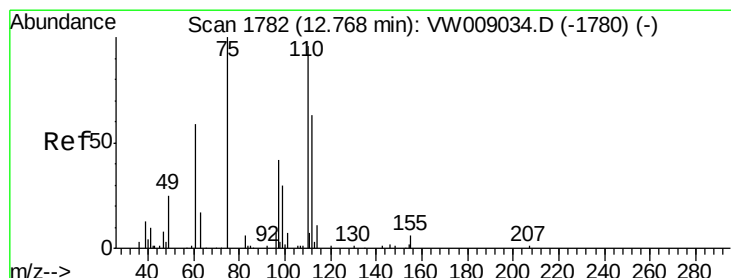
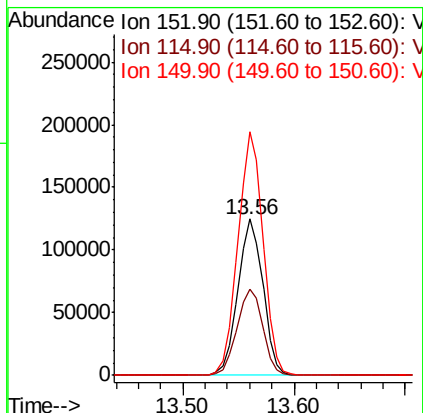
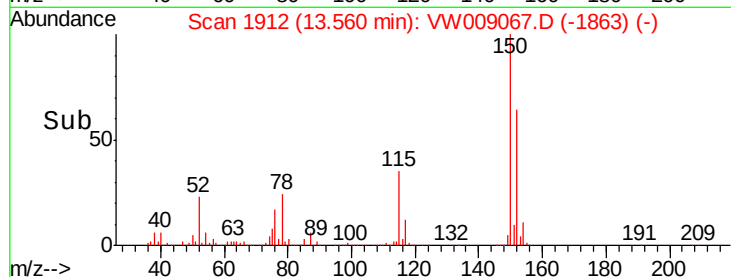
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009067.D
Acq: 08 Mar 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
TP-3RE

Tot Ion:152 Resp: 194537
Ion Ratio Lower Upper
152 100
115 56.8 28.9 86.7
150 155.9 0.0 349.2



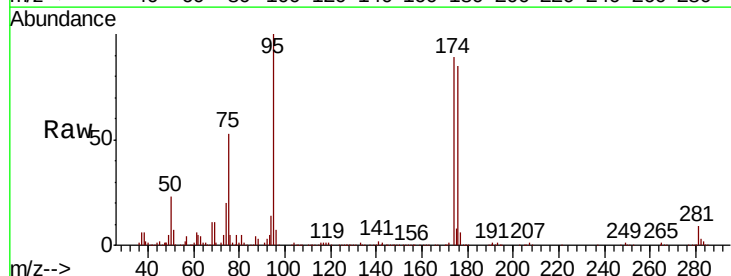
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



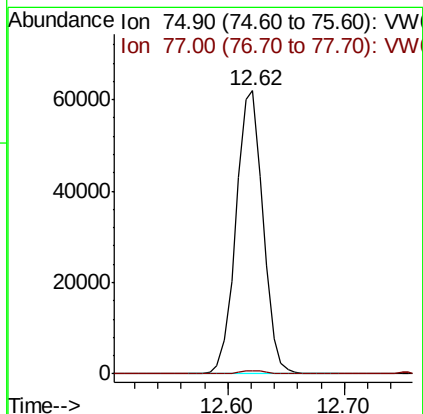
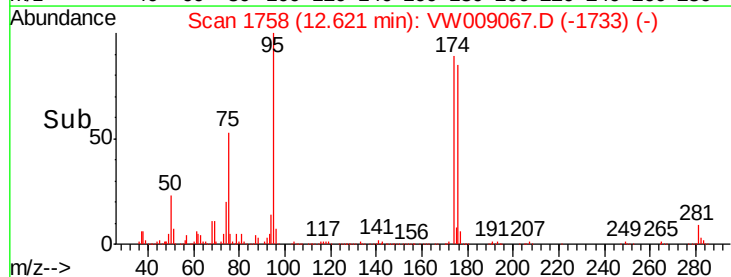
#76

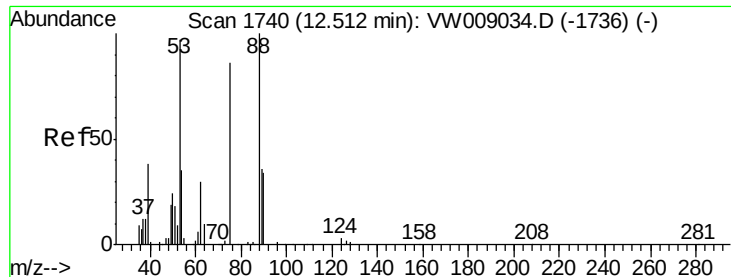
1,2,3-Trichloropropane
Concen: 65.154 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW009067.D
Acq: 08 Mar 2019 20:51

Tgt Ion: 75 Resp: 100142
Ion Ratio Lower Upper
75 100
77 1.3 186.7 560.0#



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: 145.732 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009067.D

Acq: 08 Mar 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

TP-3RE

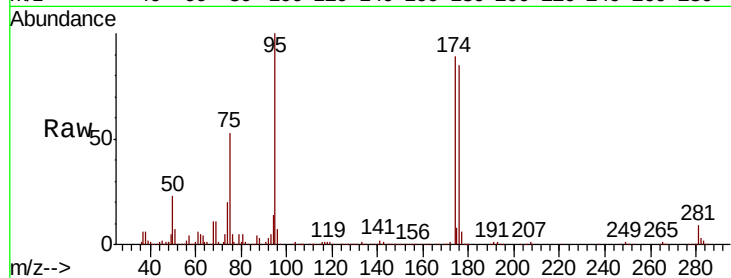
Tot Ion: 75 Resp: 100142

Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

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

