

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009148.D
 Acq On : 13 Mar 2019 10:43
 Operator : SY/VA
 Sample : K1866-03RE
 Misc : 6.62G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 09:50:47 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	270853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	412330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151676	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	121689	44.66	ug/l	0.00
Spiked Amount			Recovery	=	89.32%	
35) Dibromofluoromethane	7.88	113	113803	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
50) Toluene-d8	10.32	98	487448	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.62	95	154570	38.51	ug/l	0.00
Spiked Amount			Recovery	=	77.02%	

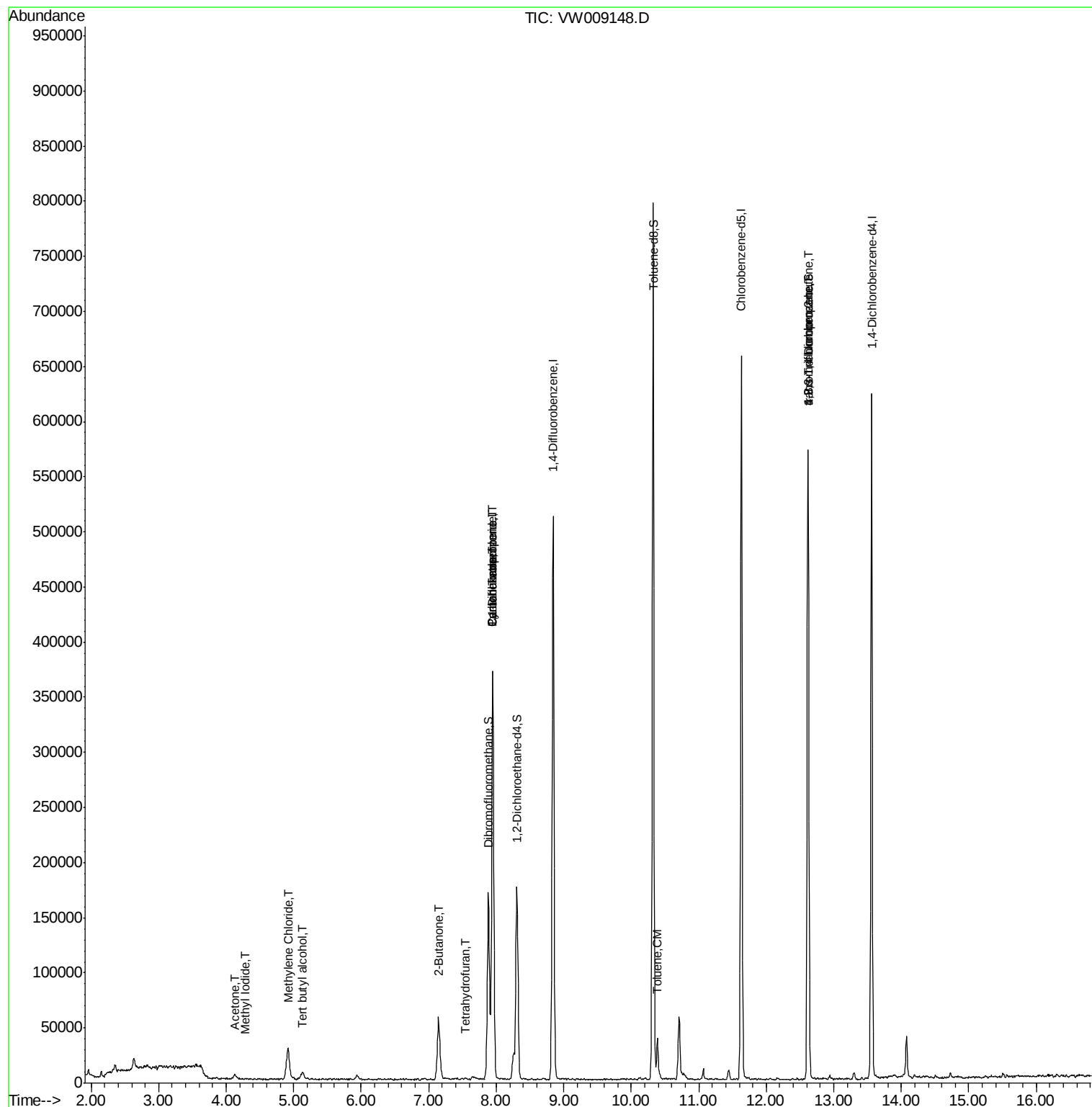
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	22	3.194	ug/l #	40
11) Tert butyl alcohol	5.13	59	6415	30.720	ug/l #	73
16) Acetone	4.13	43	6959	11.317	ug/l	98
20) Methylene Chloride	4.91	84	20371	1.813	ug/l	95
25) 2-Butanone	7.16	43	3125	3.677	ug/l #	78
29) Tetrahydrofuran	7.54	42	1241	2.317	ug/l #	75
31) Cyclohexane	7.95	56	7124	1.402	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	23116	5.362	ug/l #	50
38) Carbon Tetrachloride	7.95	117	27529	6.183	ug/l #	17
52) Toluene	10.38	92	15211	1.949	ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	84895	70.842	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	84895	158.456	ug/l #	5

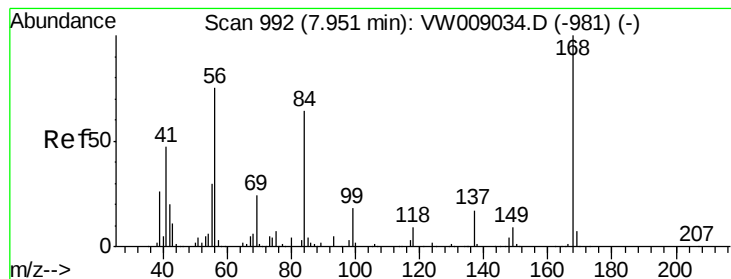
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
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: VW009148.D

Acq: 13 Mar 2019 10:43

Instrument :

MSVOA_W

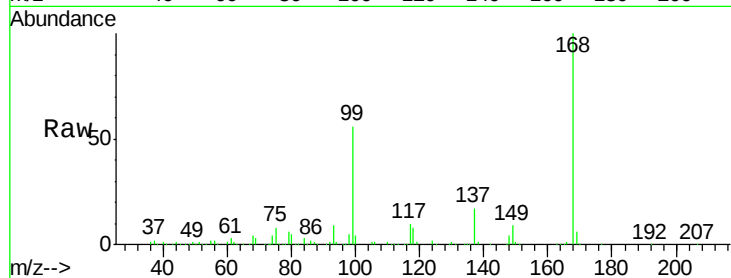
ClientSampled :

Tot Ion:168 Resp: 270853

Ion Ratio Lower Upper

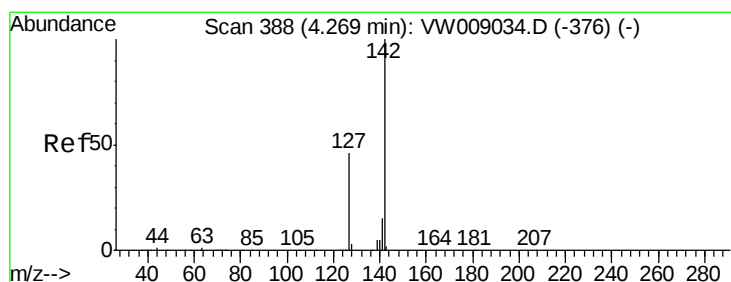
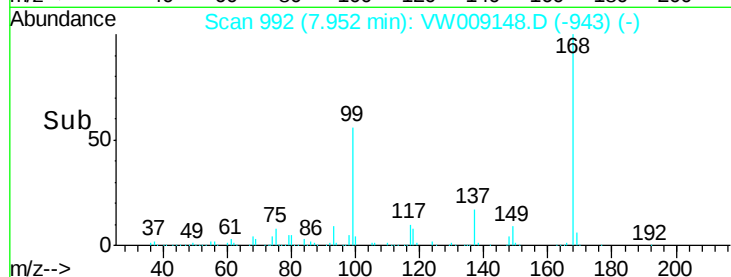
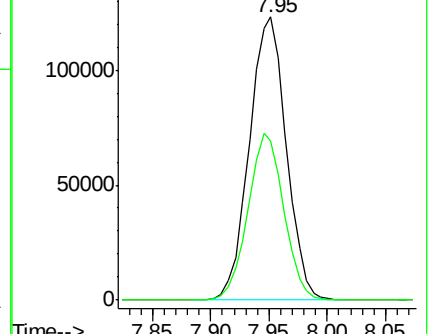
168 100

99 56.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 3.194 ug/l

RT: 4.29 min Scan# 391

Delta R.T. 0.02 min

Lab File: VW009148.D

Acq: 13 Mar 2019 10:43

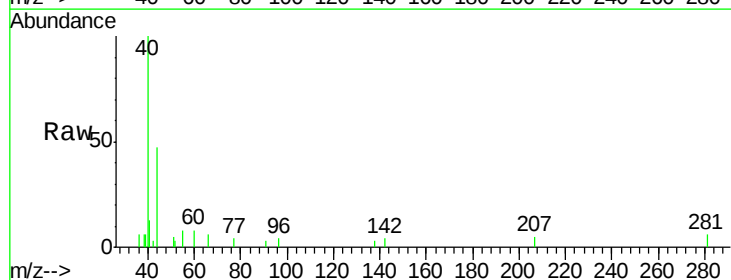
Tgt Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

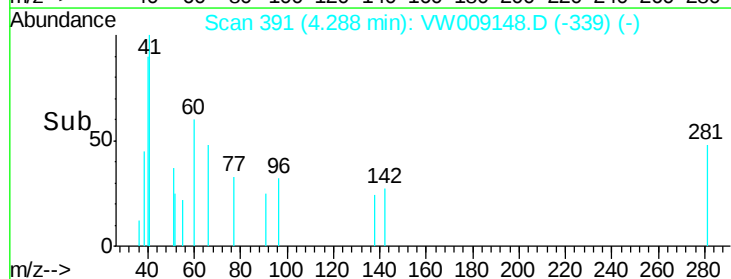
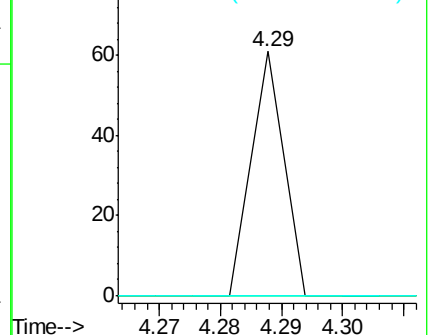
141 0.0 11.8 17.8#

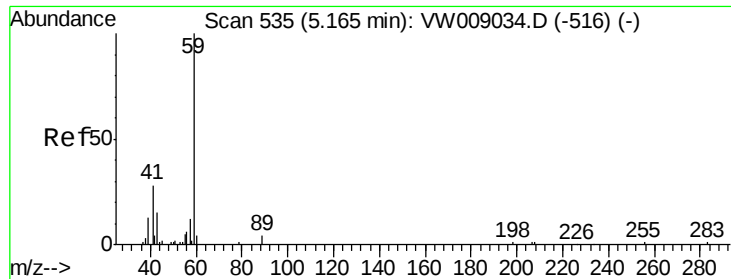


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



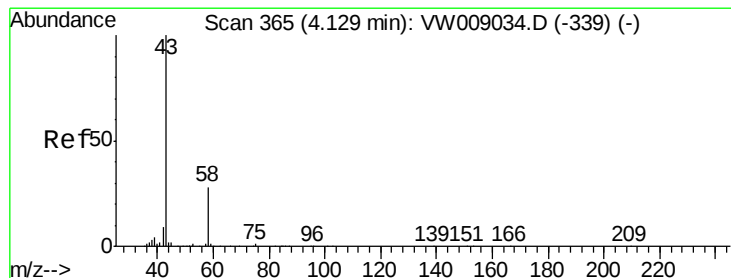
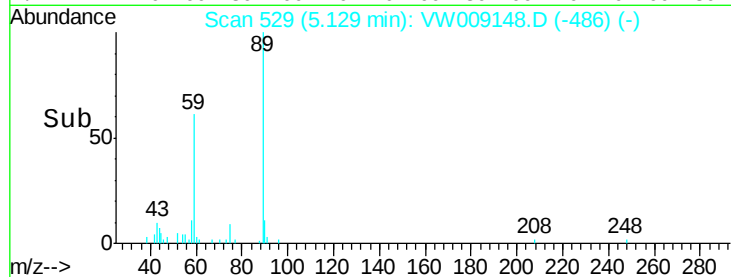
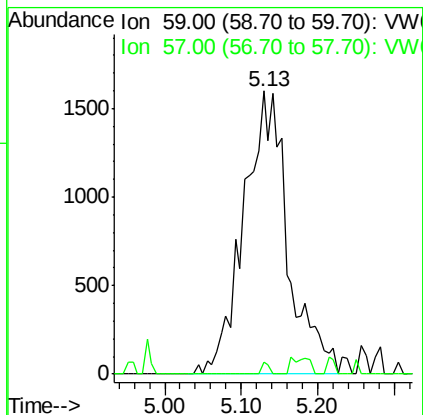
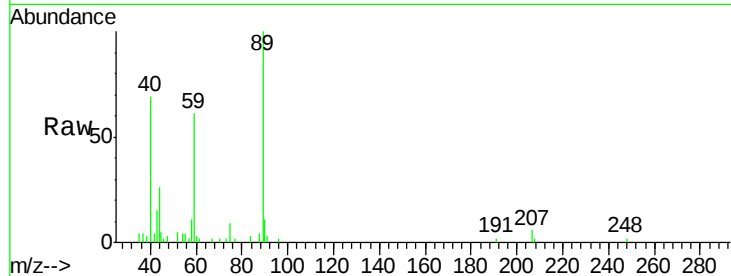


#11

Tert butyl alcohol
 Concen: 30.720 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW009148.D
 Acq: 13 Mar 2019 10:43

Instrument :
 MSVOA_W
 ClientSampleId :

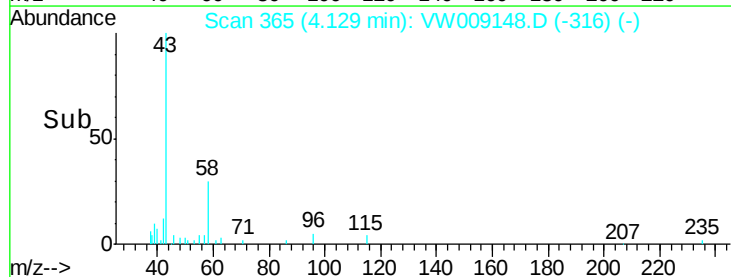
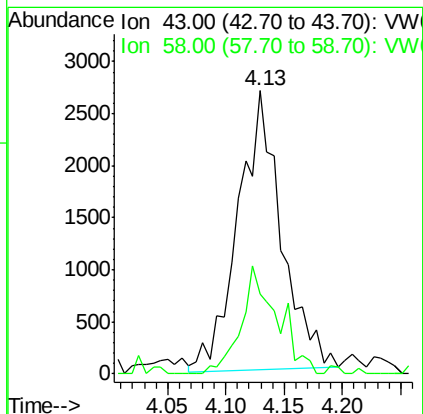
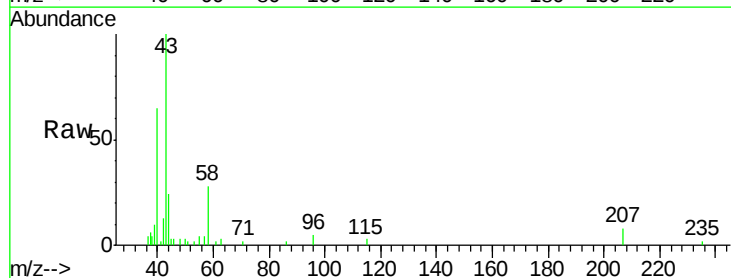
Tot Ion: 59 Resp: 6415
 Ion Ratio Lower Upper
 59 100
 57 0.7 8.6 12.8#

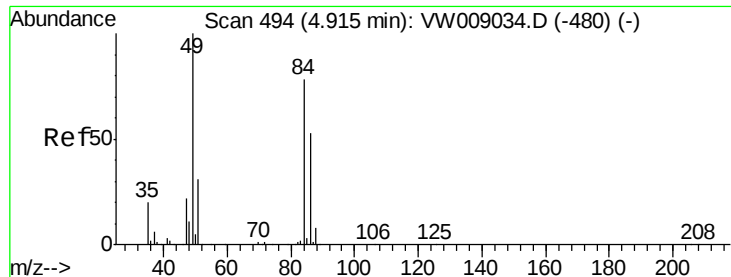


#16

Acetone
 Concen: 11.317 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW009148.D
 Acq: 13 Mar 2019 10:43

Tgt Ion: 43 Resp: 6959
 Ion Ratio Lower Upper
 43 100
 58 29.1 22.5 33.7

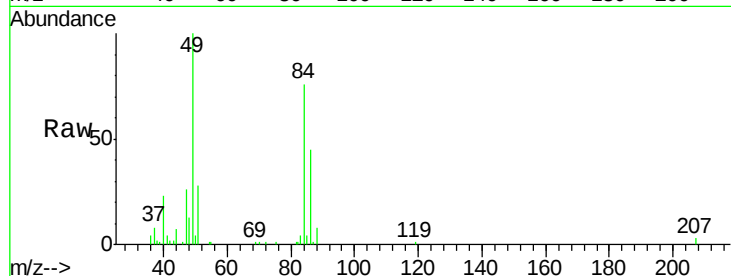




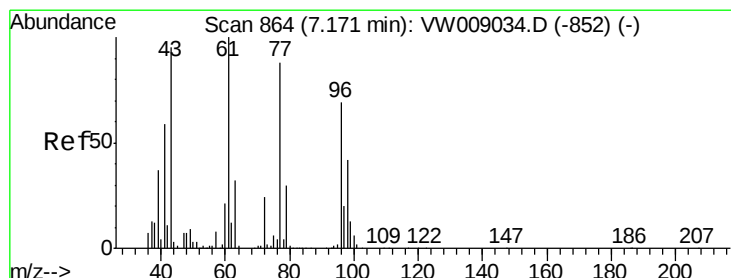
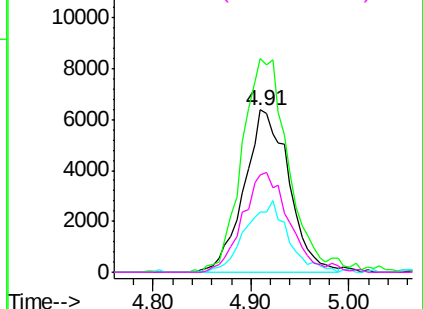
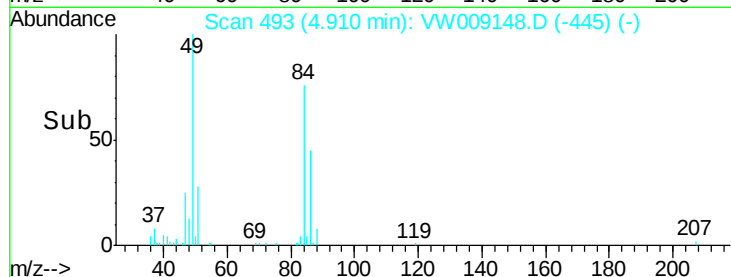
#20
Methvlene Chloride
Concen: 1.813 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009148.D
Acq: 13 Mar 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 20371
Ion Ratio Lower Upper
84 100
49 131.6 102.4 153.6
51 36.8 31.6 47.4
86 59.8 54.5 81.7

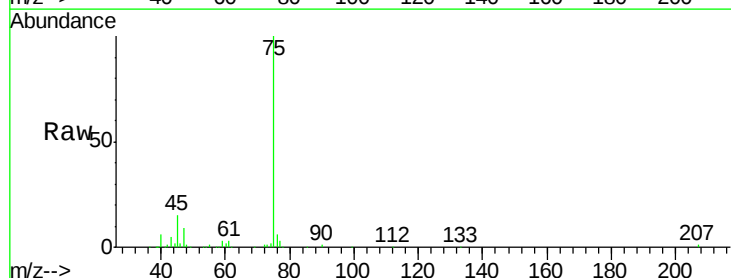


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

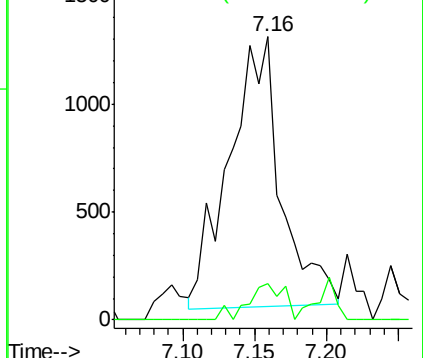
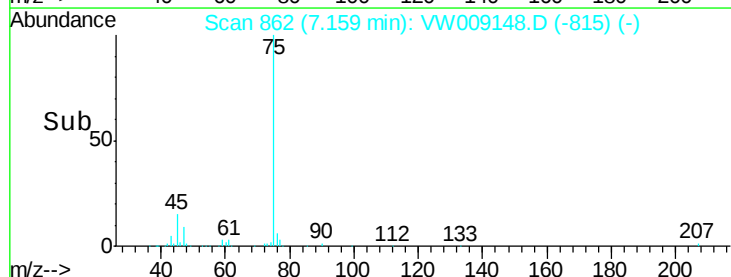


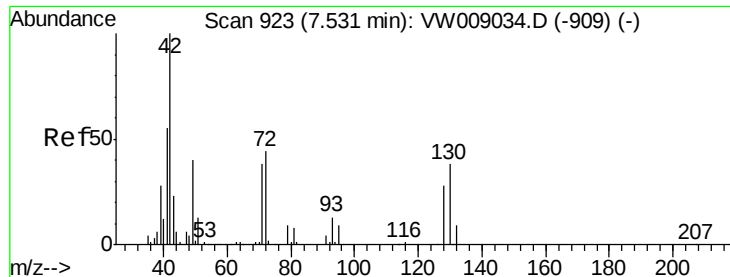
#25
2-Butanone
Concen: 3.677 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009148.D
Acq: 13 Mar 2019 10:43

Tgt Ion: 43 Resp: 3125
Ion Ratio Lower Upper
43 100
72 14.1 20.0 30.0#



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

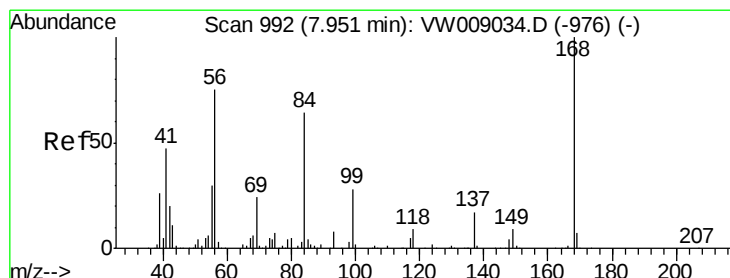
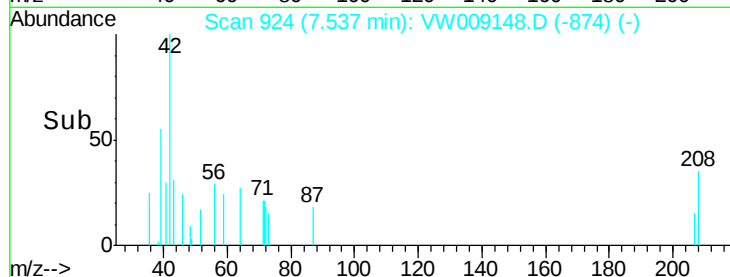
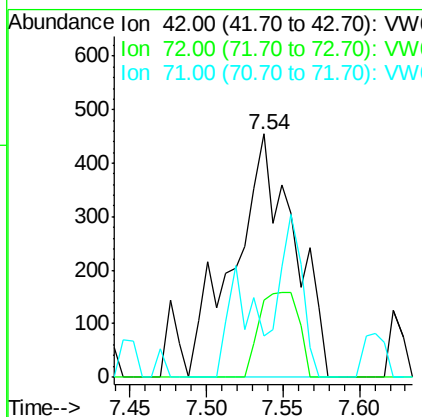
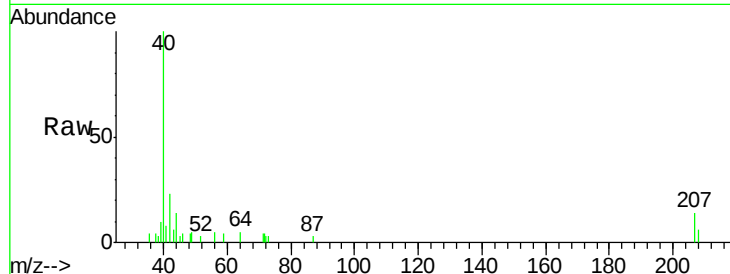




#29
Tetrahydrofuran
Concen: 2.317 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009148.D
Acq: 13 Mar 2019 10:43

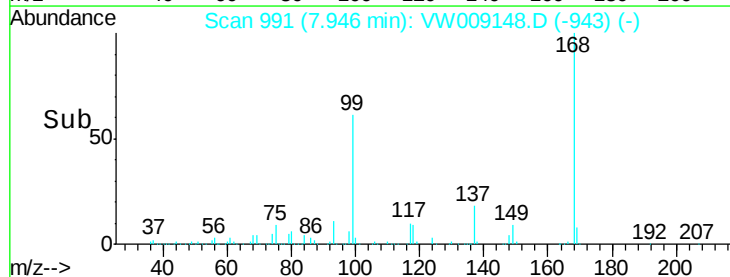
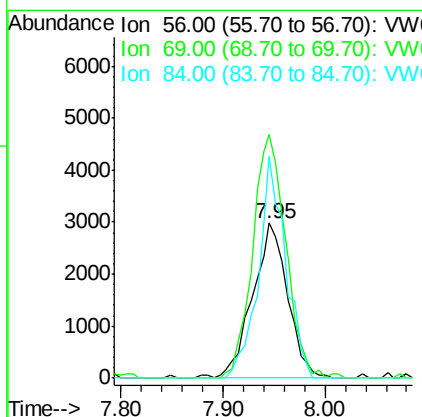
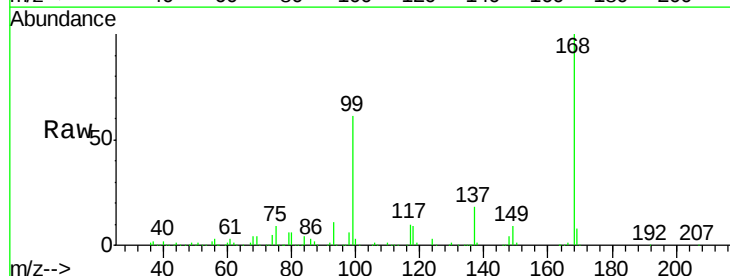
Instrument :
MSVOA_W
ClientSampled :

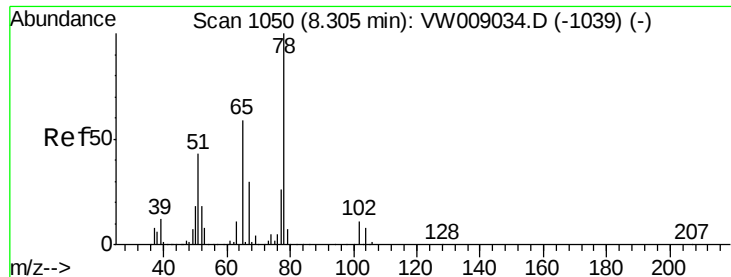
Tot Ion	Ratio	Lower	Upper
42	100		
72	22.8	32.2	48.4#
71	25.5	30.7	46.1#



#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009148.D
Acq: 13 Mar 2019 10:43

Tgt Ion	Ratio	Lower	Upper
56	100		
69	157.0	25.5	38.3#
84	143.2	68.6	103.0#





#33

1,2-Dichloroethane-d4

Concen: 44.656 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009148.D

Acq: 13 Mar 2019 10:43

Instrument :

MSVOA_W

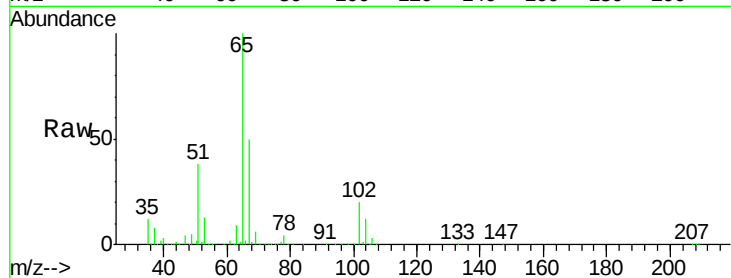
ClientSampleId :

Tot Ion: 65 Resp: 121689

Ion Ratio Lower Upper

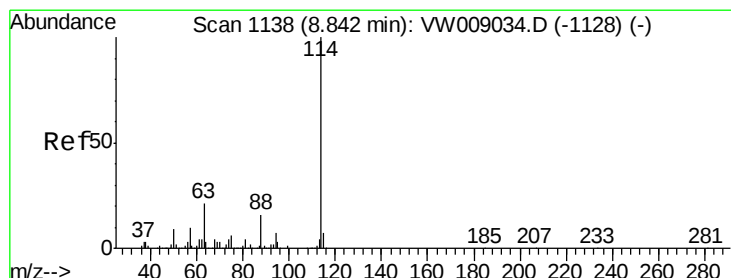
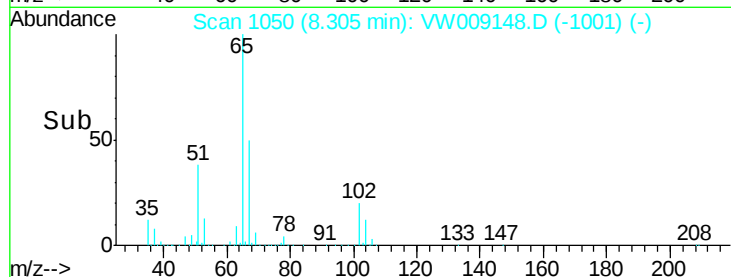
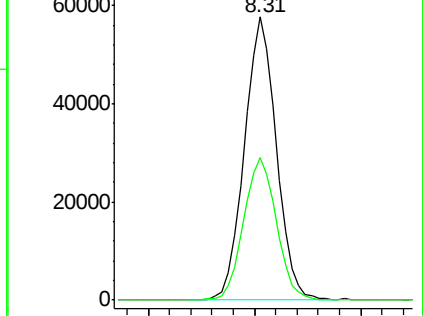
65 100

67 51.9 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: VW009148.D

Acq: 13 Mar 2019 10:43

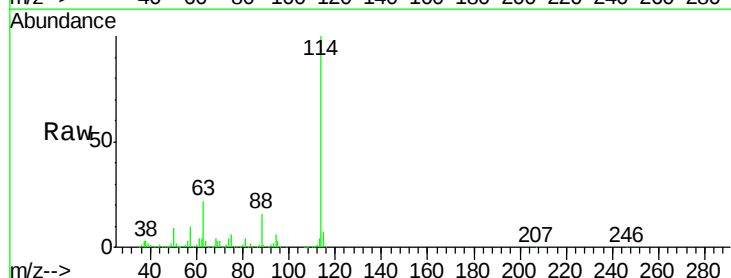
Tgt Ion: 114 Resp: 412330

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.2

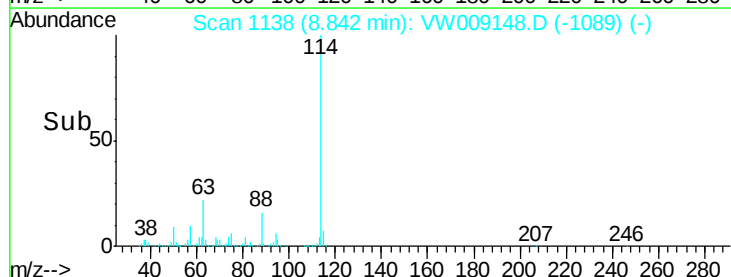
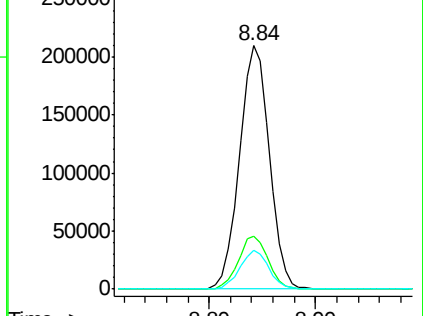
88 15.7 0.0 31.2

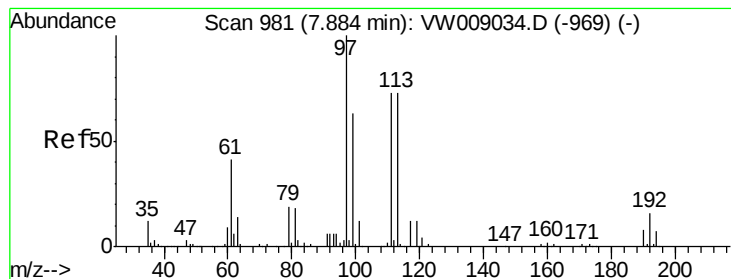


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 45.840 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009148.D

Acq: 13 Mar 2019 10:43

Instrument :

MSVOA_W

ClientSampleId :

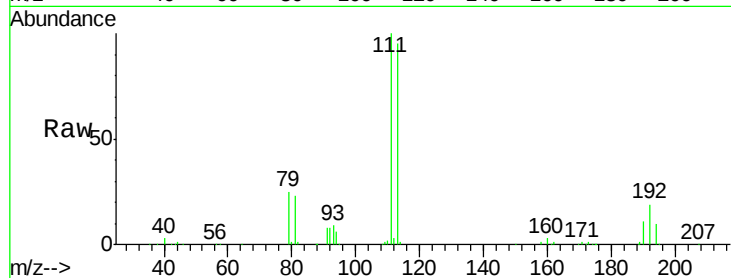
Tot Ion:113 Resp: 113803

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.4

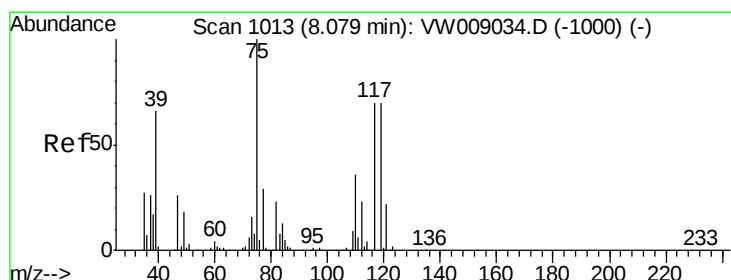
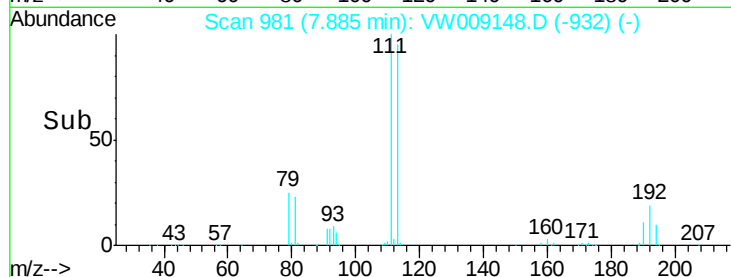
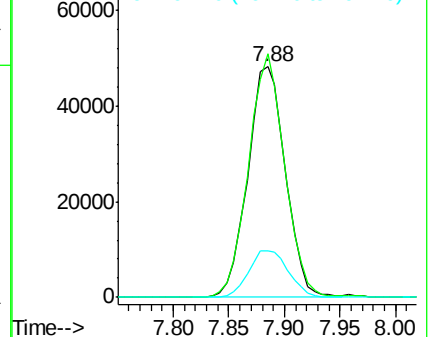
192 21.5 17.1 25.7



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: 5.362 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009148.D

Acq: 13 Mar 2019 10:43

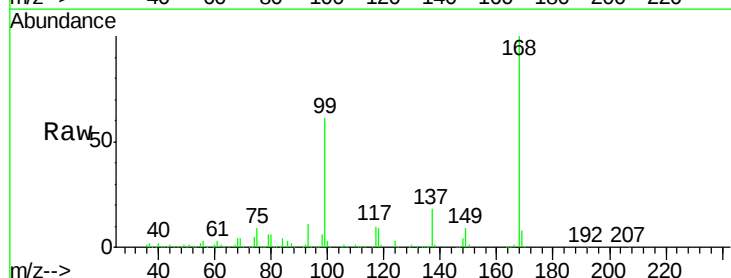
Tgt Ion: 75 Resp: 23116

Ion Ratio Lower Upper

75 100

110 9.5 17.6 52.9#

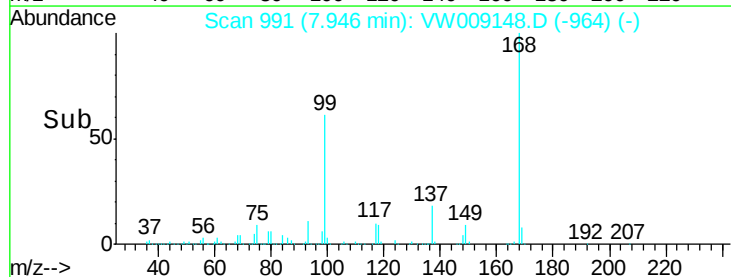
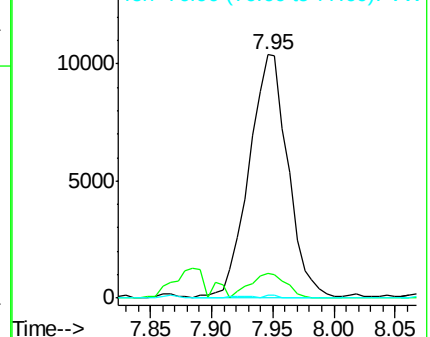
77 0.0 25.1 37.7#

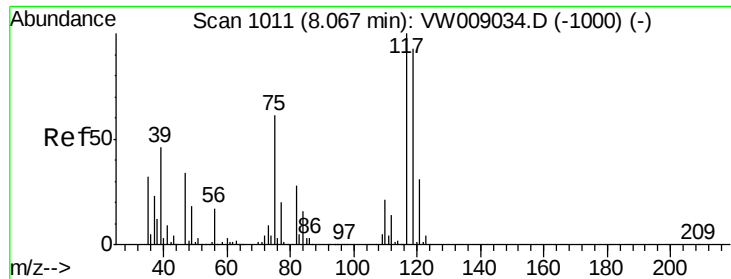


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

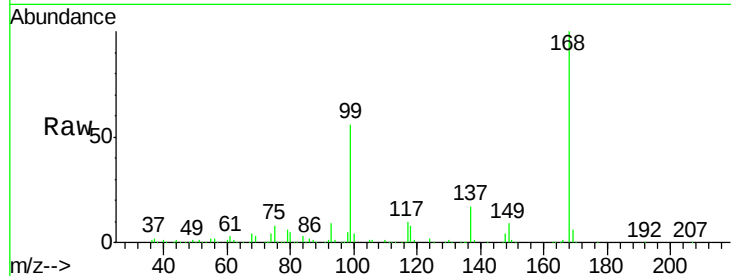




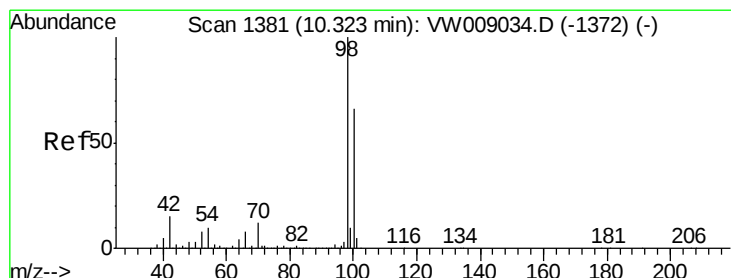
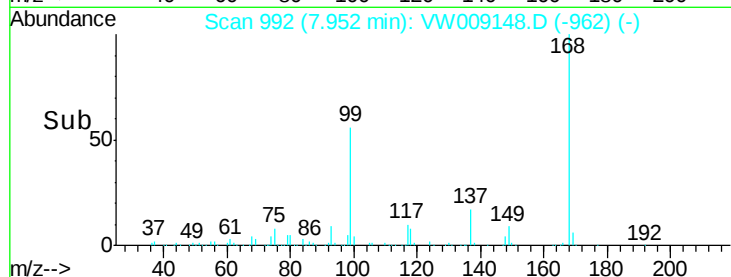
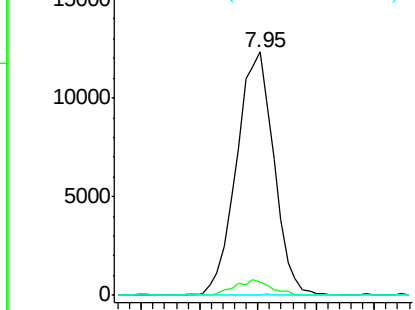
#38
Carbon Tetrachloride
Concen: 6.183 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW009148.D
Acq: 13 Mar 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 27529
Ion Ratio Lower Upper
117 100
119 5.5 74.6 112.0#
121 0.0 24.7 37.1#

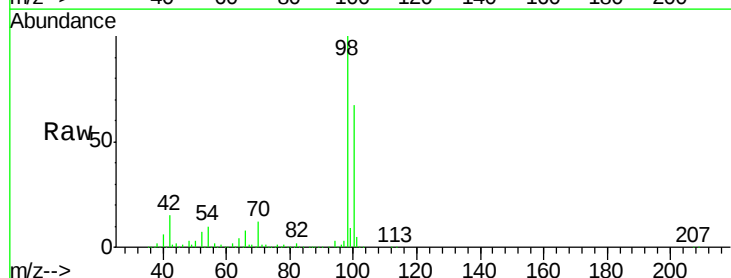


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

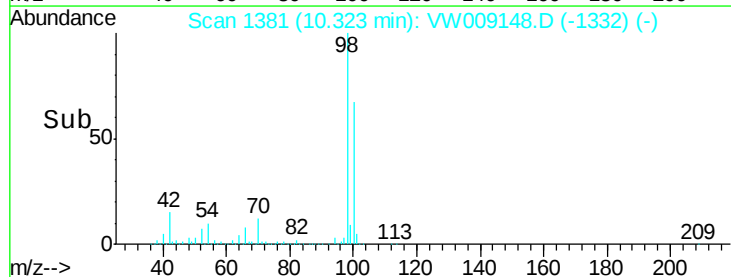
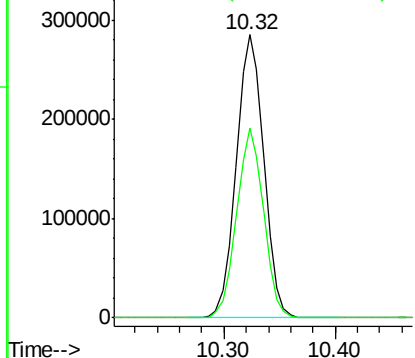


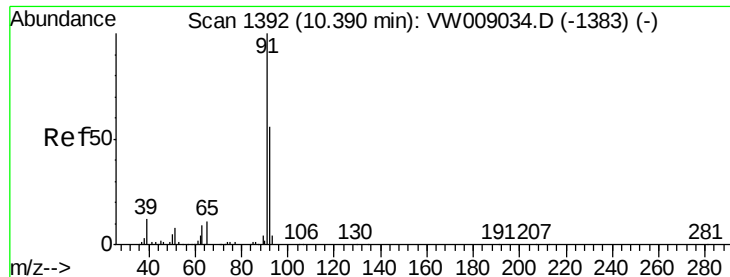
#50
Toluene-d8
Concen: 47.806 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009148.D
Acq: 13 Mar 2019 10:43

Tgt Ion: 98 Resp: 487448
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



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





#52

Toluene

Concen: 1.949 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009148.D

Acq: 13 Mar 2019 10:43

Instrument :

MSVOA_W

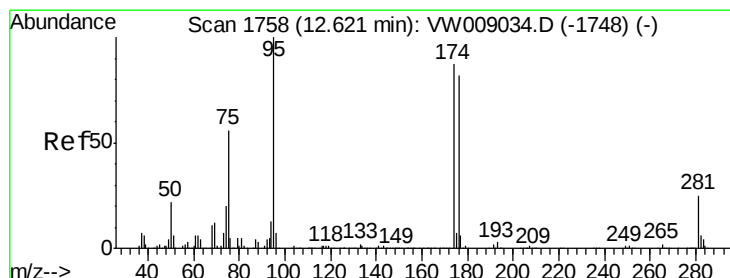
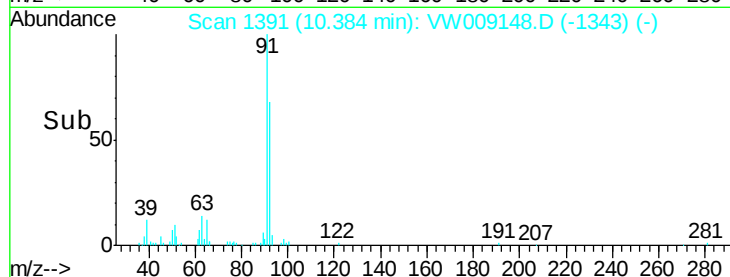
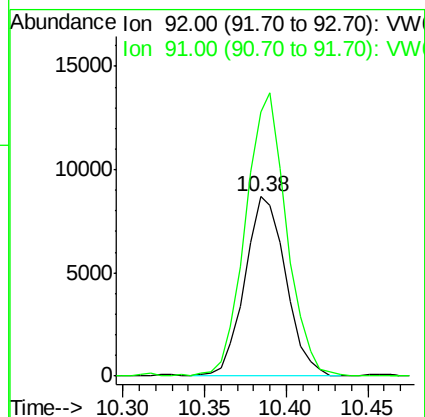
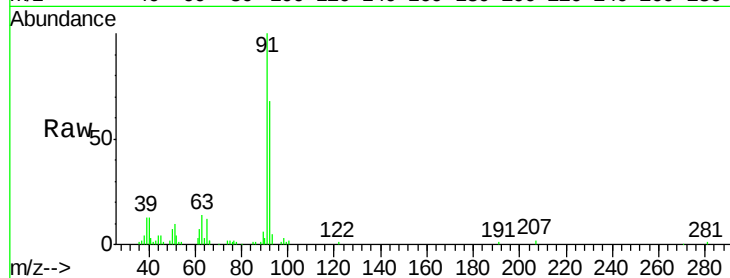
ClientSampleId :

Tot Ion: 92 Resp: 15211

Ion Ratio Lower Upper

92 100

91 157.2 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 38.508 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009148.D

Acq: 13 Mar 2019 10:43

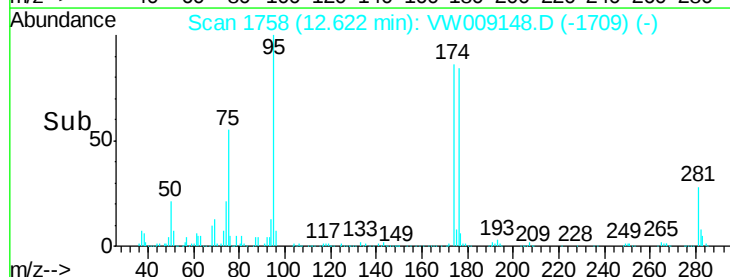
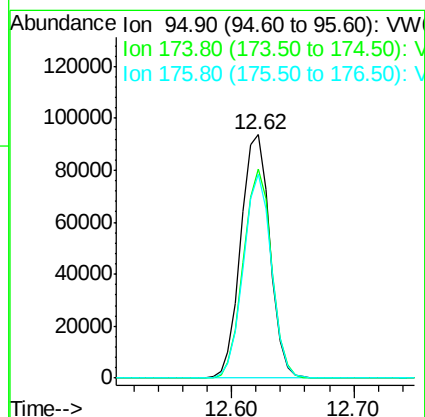
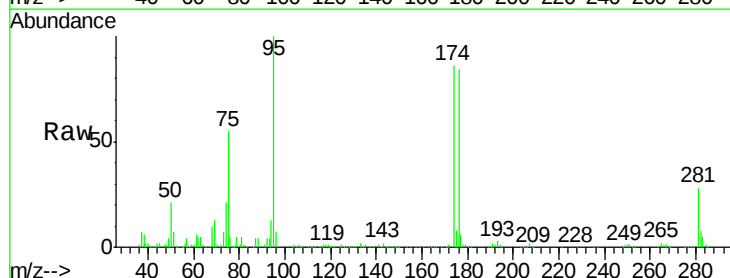
Tgt Ion: 95 Resp: 154570

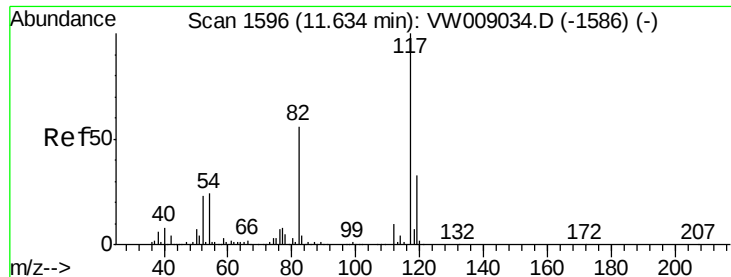
Ion Ratio Lower Upper

95 100

174 83.5 0.0 167.0

176 81.3 0.0 159.4

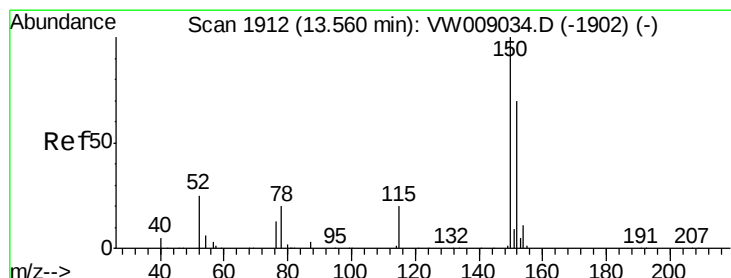
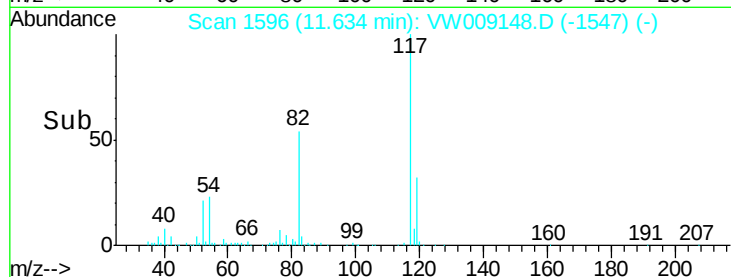
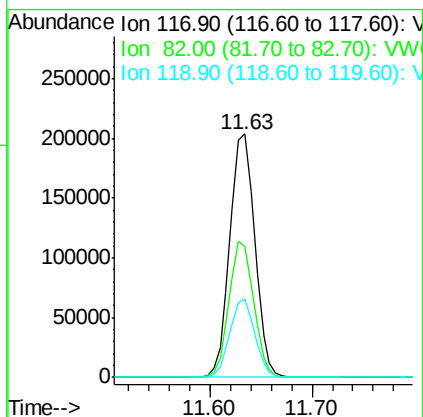
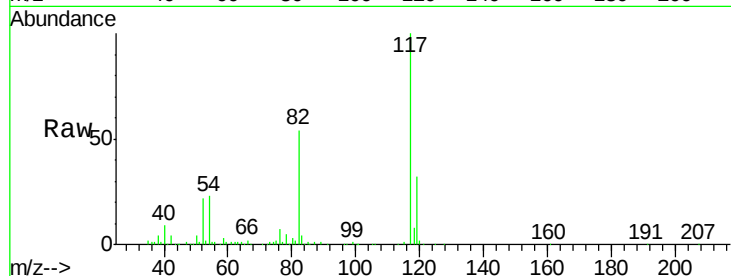




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009148.D
Acq: 13 Mar 2019 10:43

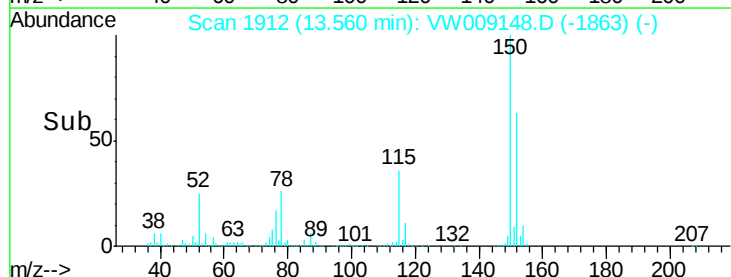
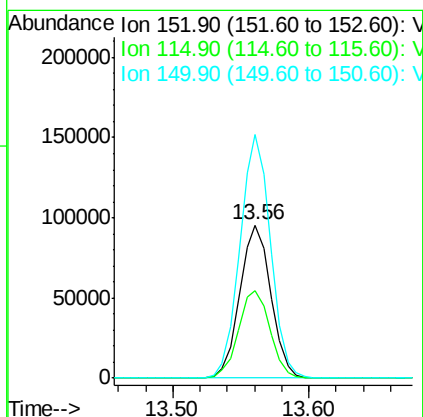
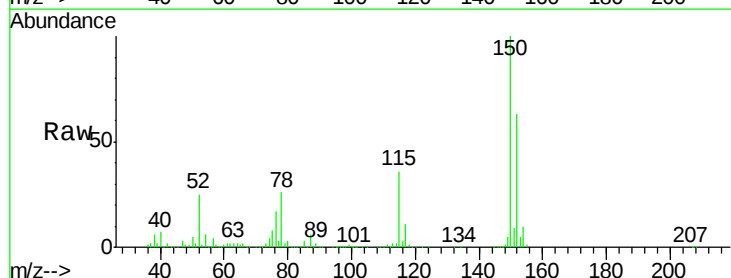
Instrument :
MSVOA_W
ClientSampleId :

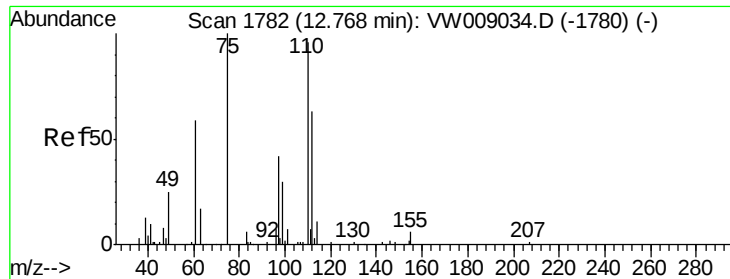
Tot Ion:117 Resp: 346215
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.6
119 32.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009148.D
Acq: 13 Mar 2019 10:43

Tgt Ion:152 Resp: 151676
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.7
150 156.8 0.0 349.2



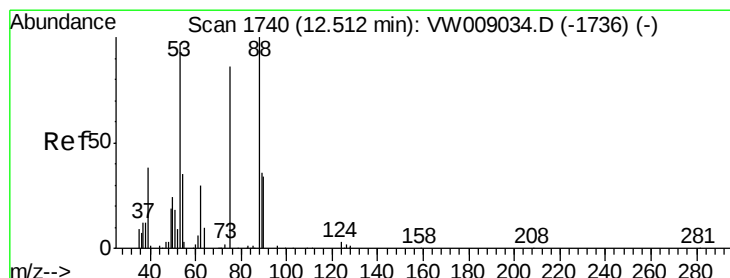
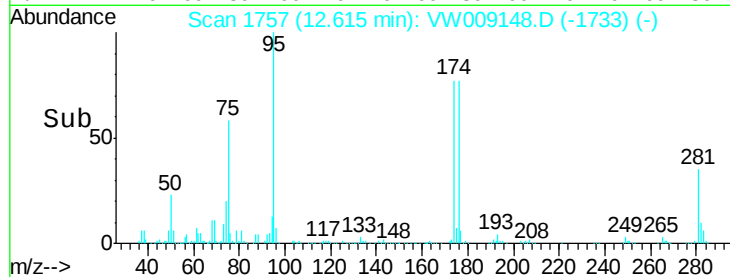
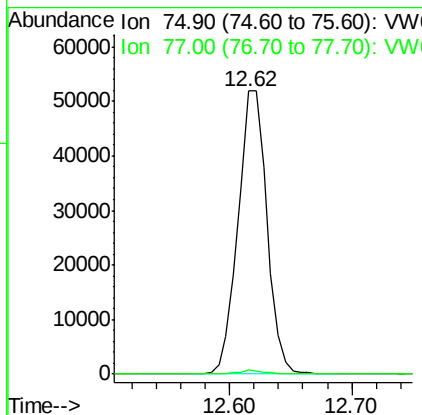
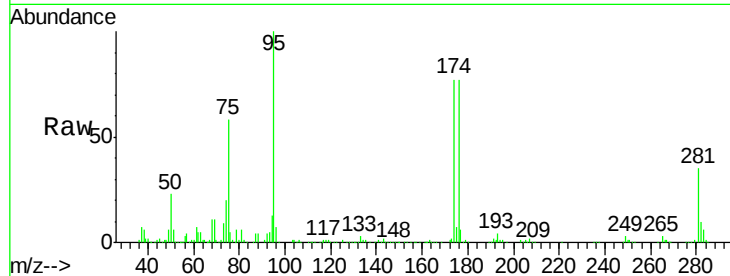


#76

1,2,3-Trichloropropane
Concen: 70.842 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW009148.D
Acq: 13 Mar 2019 10:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 84895
Ion Ratio Lower Upper
75 100
77 1.1 186.7 560.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 158.456 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW009148.D
Acq: 13 Mar 2019 10:43

Tgt Ion: 75 Resp: 84895
Ion Ratio Lower Upper
75 100
53 0.3 90.5 135.7#
89 0.3 37.5 56.3#

