

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003963.D
 Acq On : 16 Jul 2018 20:35
 Operator : VA/AP
 Sample : J3980-03
 Misc : 4.77G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 17 05:52:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	176845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	289524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	237060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	84257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	122257	61.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.70%	
35) Dibromofluoromethane	7.88	113	102274	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
50) Toluene-d8	10.33	98	340712	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
62) 4-Bromofluorobenzene	12.62	95	95683	36.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.62%	

Target Compounds

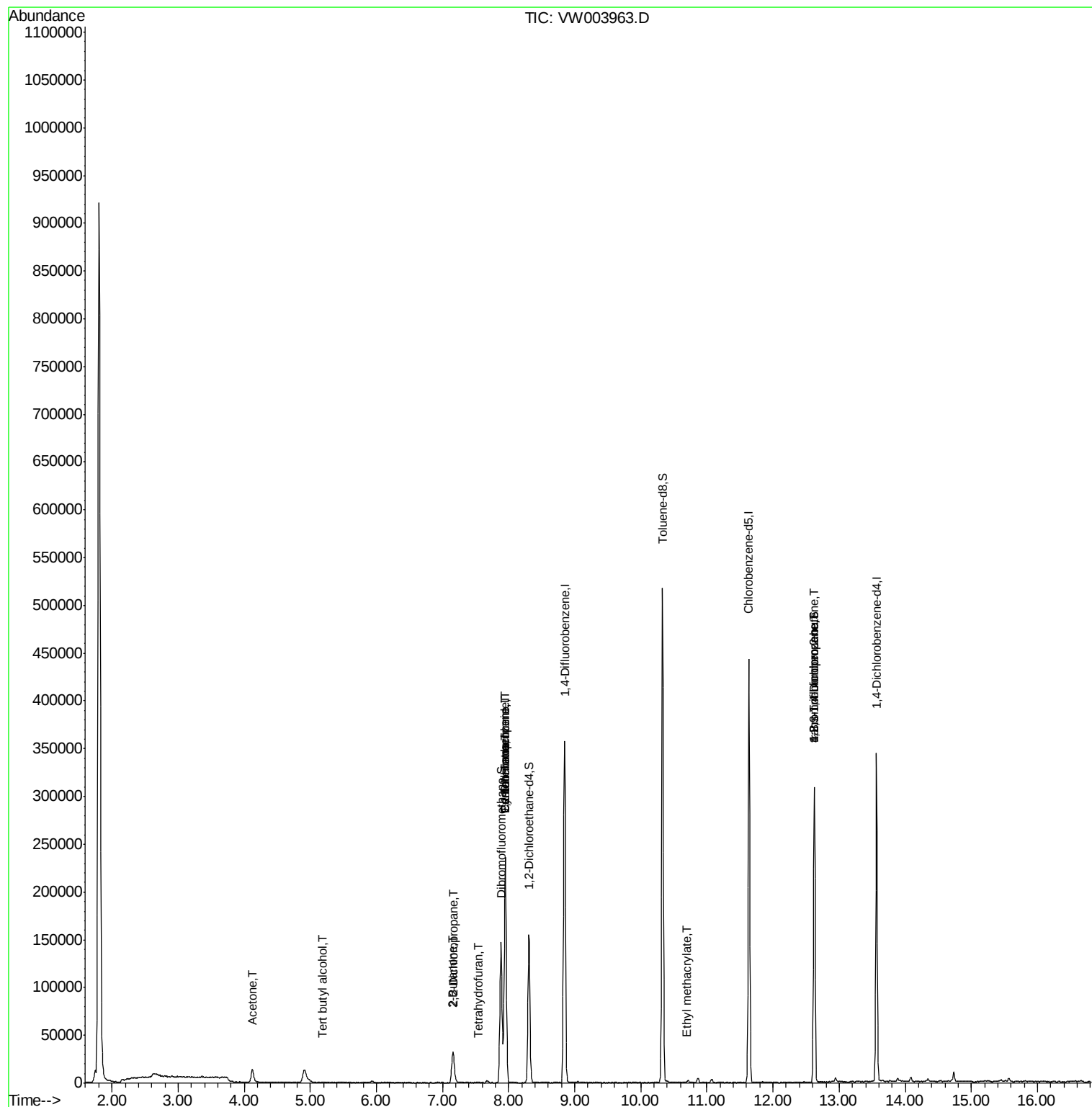
					Qvalue
11) Tert butyl alcohol	5.19	59	855	6.265 ug/l #	72
16) Acetone	4.12	43	24203	50.952 ug/l	93
20) Methylene Chloride	4.91	84	13379	Below Cal	93
25) 2-Butanone	7.15	43	1164	1.821 ug/l #	74
26) 2,2-Dichloropropane	7.16	77	2328	1.159 ug/l #	52
29) Tetrahydrofuran	7.54	42	436	1.095 ug/l #	40
31) Cyclohexane	7.95	56	4281	1.305 ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14484	4.862 ug/l #	51
38) Carbon Tetrachloride	7.95	117	17365	6.239 ug/l #	16
56) Ethyl methacrylate	10.69	69	27	2.958 ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	50509	60.383 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	50509	133.565 ug/l #	11

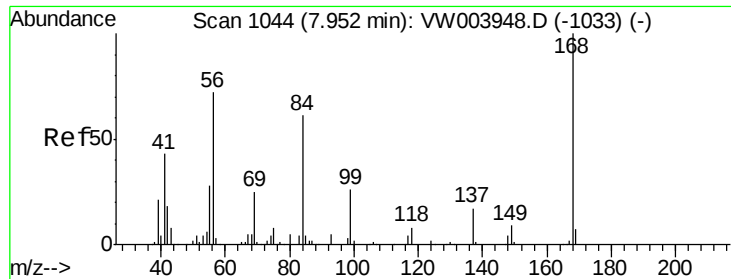
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003963.D

Acq: 16 Jul 2018 20:35

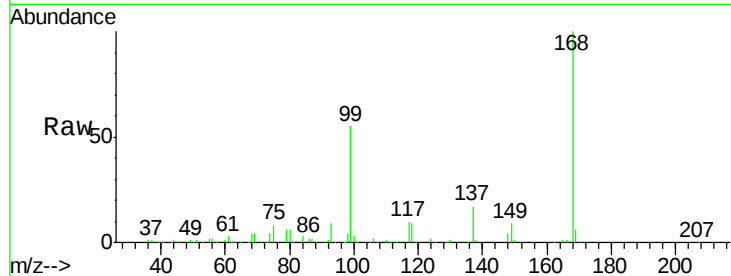
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 176845

Ion Ratio Lower Upper

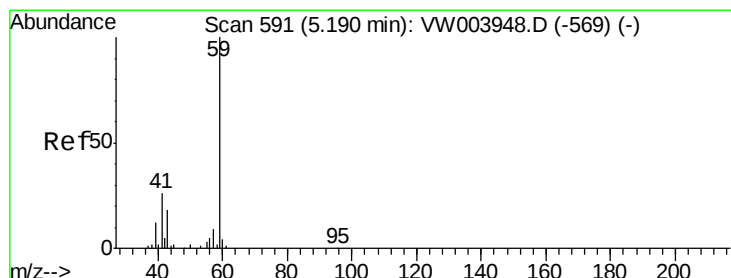
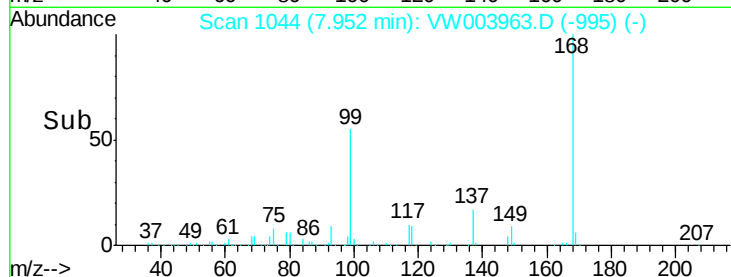
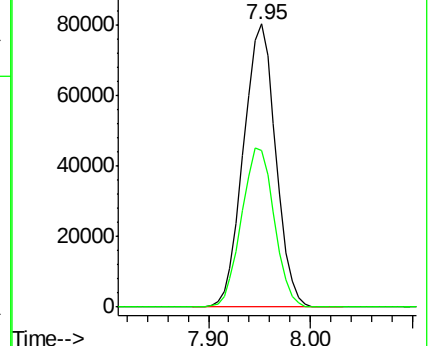
168 100

99 55.1 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 6.265 ug/l

RT: 5.19 min Scan# 591

Delta R.T. -0.00 min

Lab File: VW003963.D

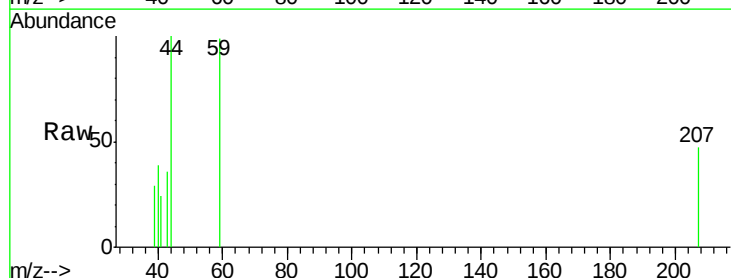
Acq: 16 Jul 2018 20:35

Tgt Ion: 59 Resp: 855

Ion Ratio Lower Upper

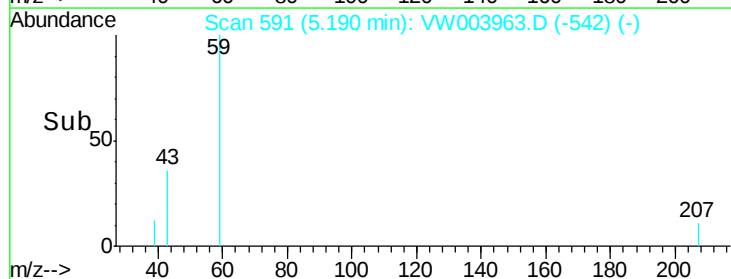
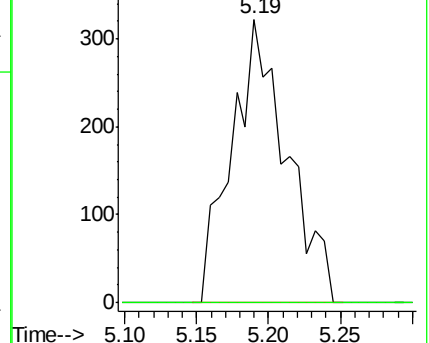
59 100

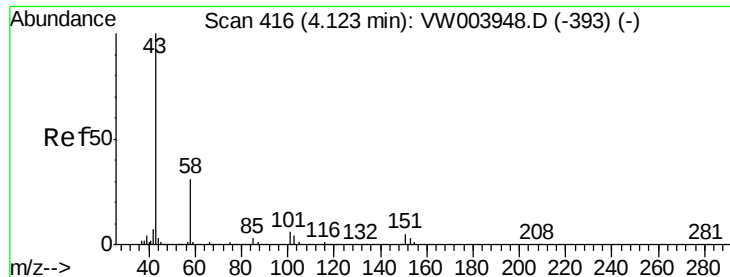
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 50.952 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW003963.D

Acq: 16 Jul 2018 20:35

Instrument :

MSVOA_W

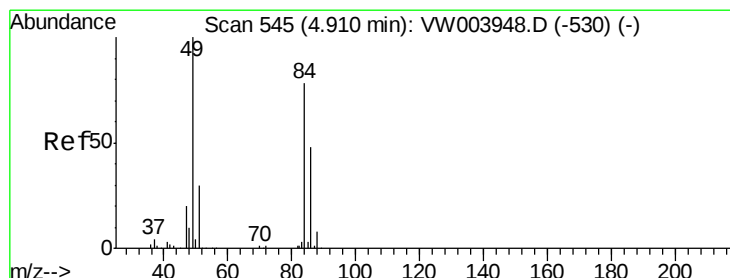
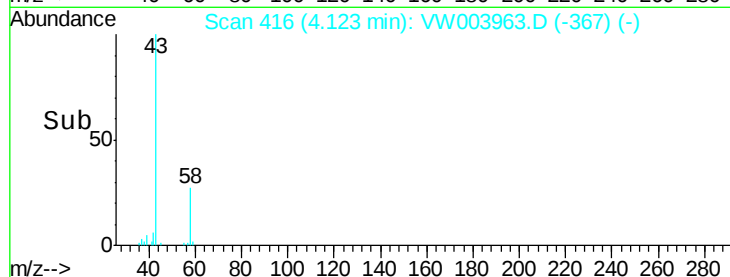
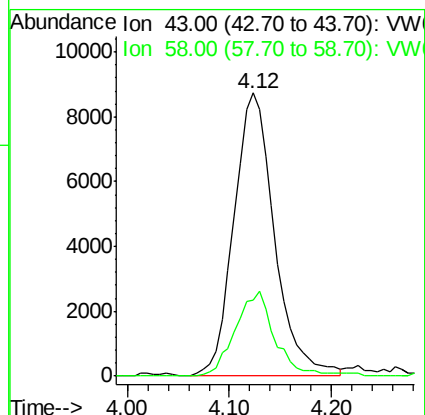
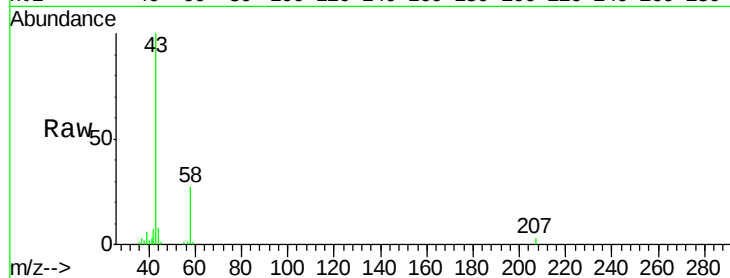
ClientSampleId :

Tot Ion: 43 Resp: 24203

Ion Ratio Lower Upper

43 100

58 26.7 24.5 36.7



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003963.D

Acq: 16 Jul 2018 20:35

Tgt Ion: 84 Resp: 13379

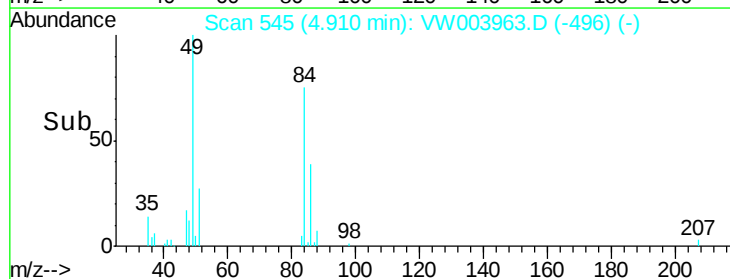
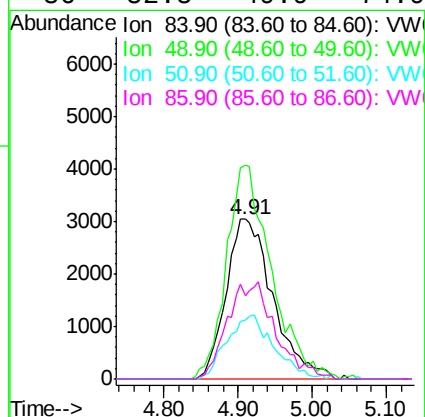
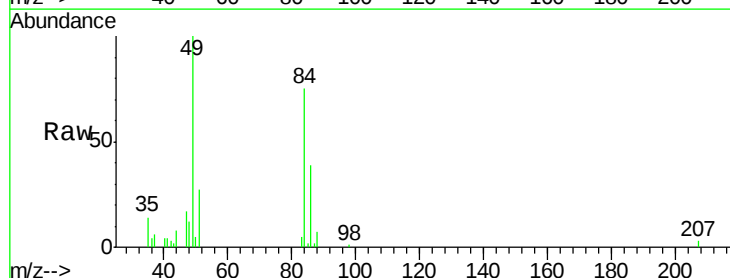
Ion Ratio Lower Upper

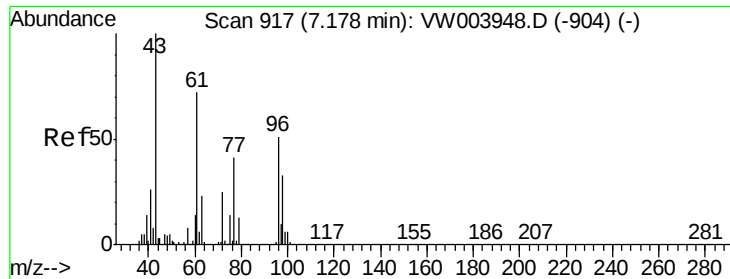
84 100

49 133.9 102.9 154.3

51 36.6 30.9 46.3

86 52.5 49.9 74.9





#25

2-Butanone

Concen: 1.821 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.03 min

Lab File: VW003963.D

Acq: 16 Jul 2018 20:35

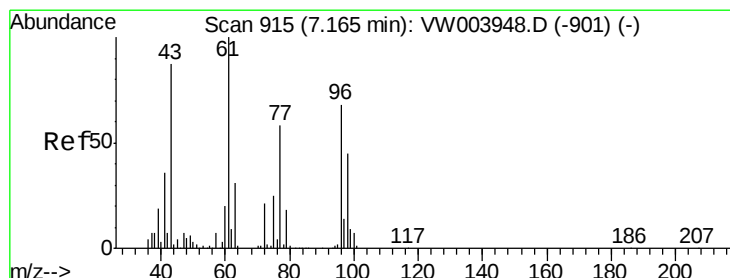
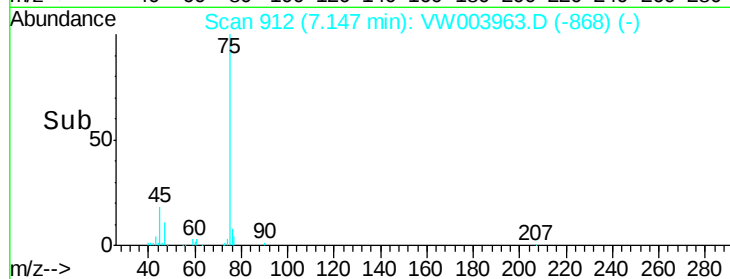
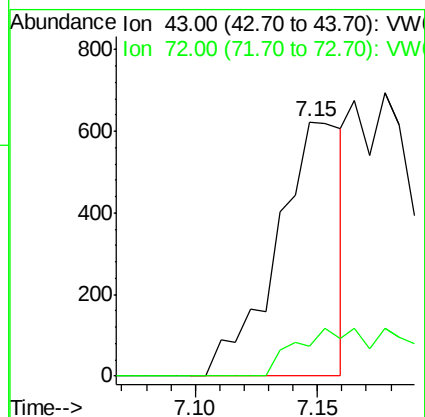
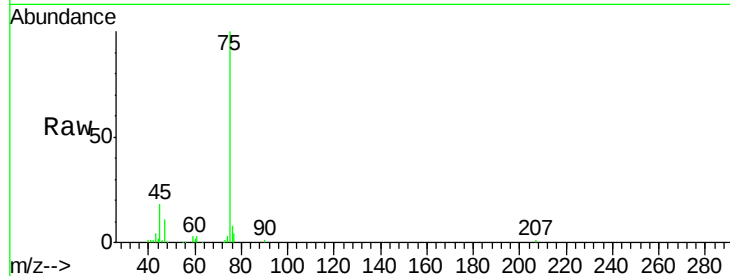
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1164

Ion Ratio Lower Upper

43 100

72 11.7 19.8 29.6#



#26

2,2-Dichloropropane

Concen: 1.159 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003963.D

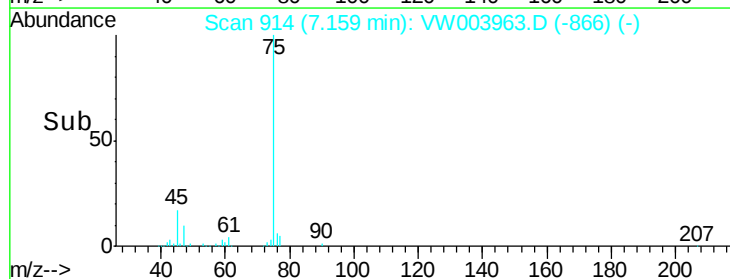
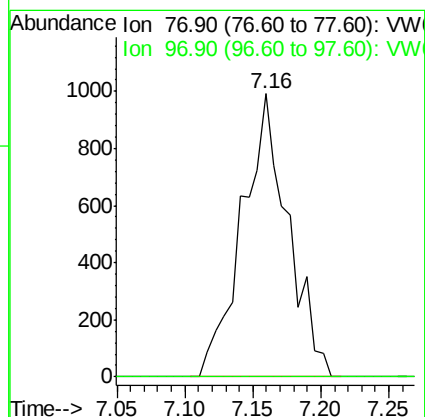
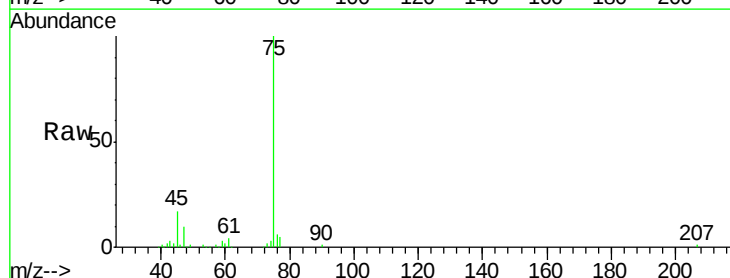
Acq: 16 Jul 2018 20:35

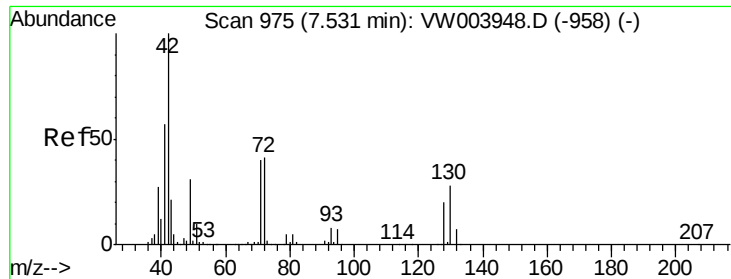
Tgt Ion: 77 Resp: 2328

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#

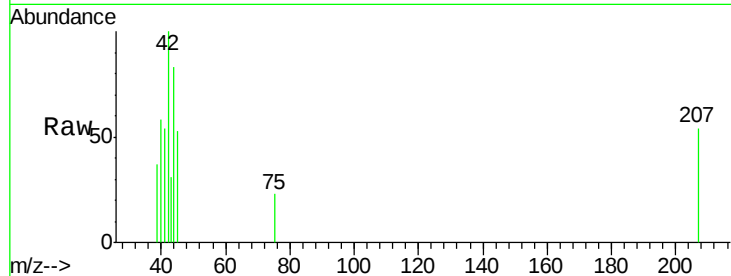




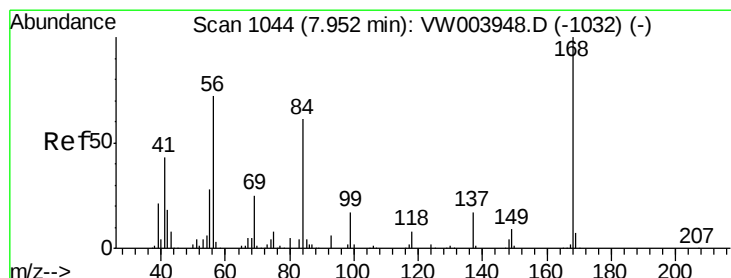
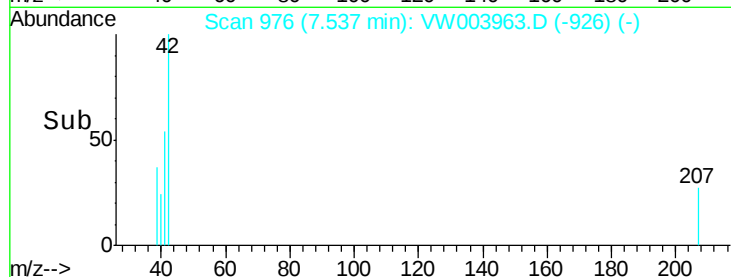
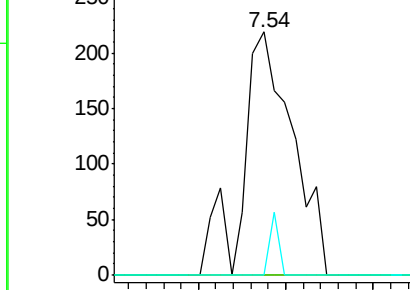
#29
Tetrahydrofuran
Concen: 1.095 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW003963.D
Acq: 16 Jul 2018 20:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 436
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 4.8 30.5 45.7#

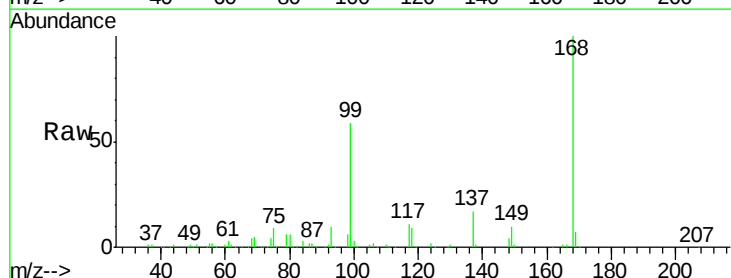


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

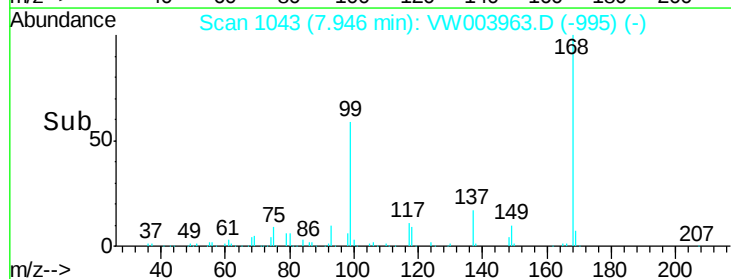
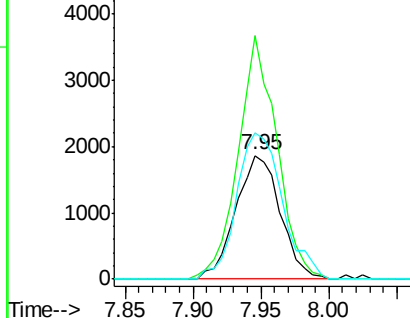


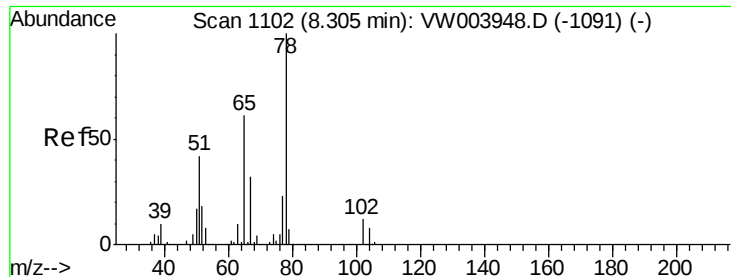
#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003963.D
Acq: 16 Jul 2018 20:35

Tgt Ion: 56 Resp: 4281
Ion Ratio Lower Upper
56 100
69 196.8 27.8 41.8#
84 118.7 67.2 100.8#



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: 61.847 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003963.D

Acq: 16 Jul 2018 20:35

Instrument :

MSVOA_W

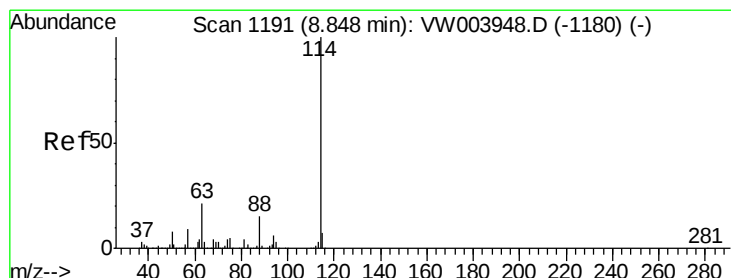
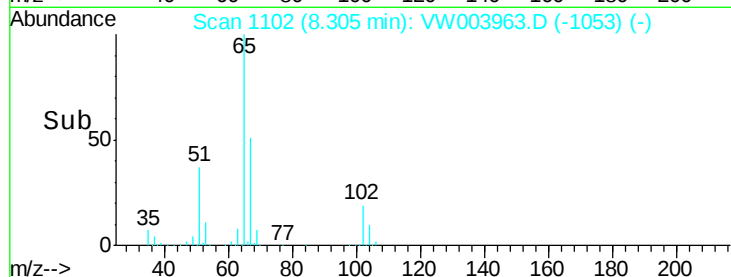
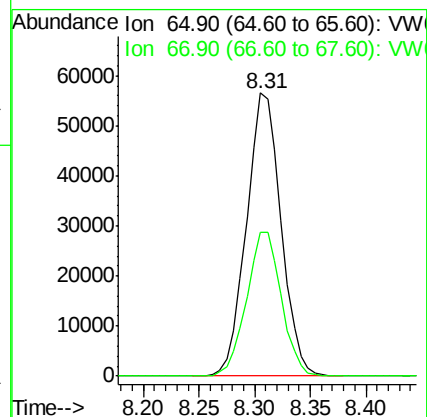
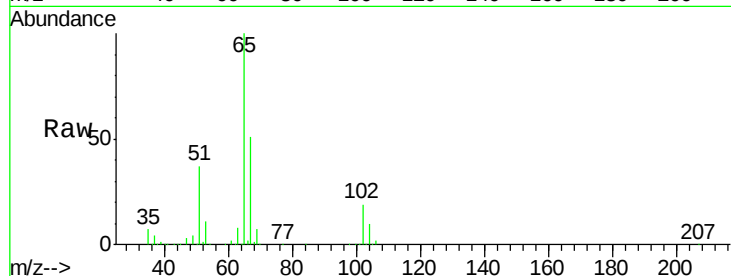
ClientSampled :

Tot Ion: 65 Resp: 122257

Ion Ratio Lower Upper

65 100

67 51.2 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003963.D

Acq: 16 Jul 2018 20:35

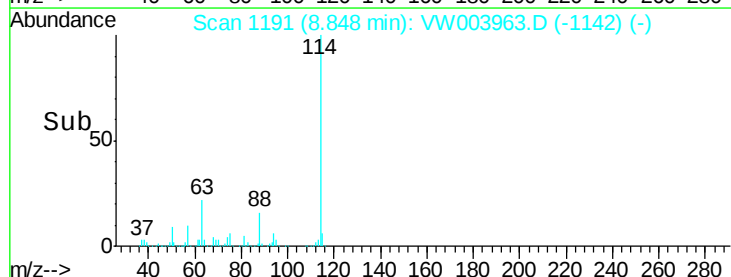
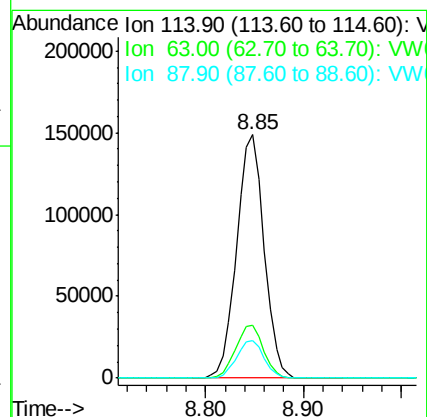
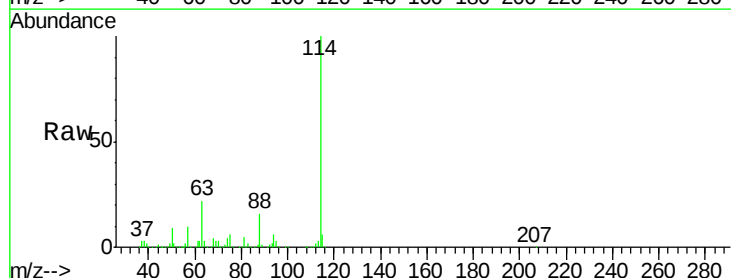
Tgt Ion: 114 Resp: 289524

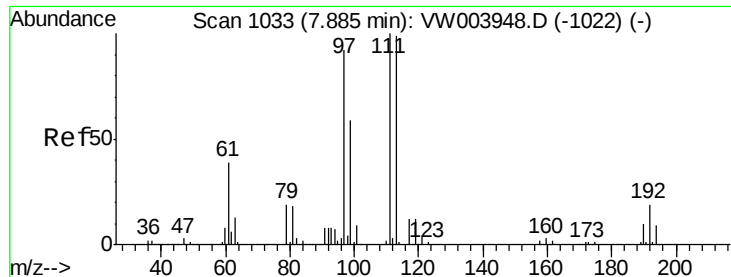
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.8

88 15.7 0.0 30.4

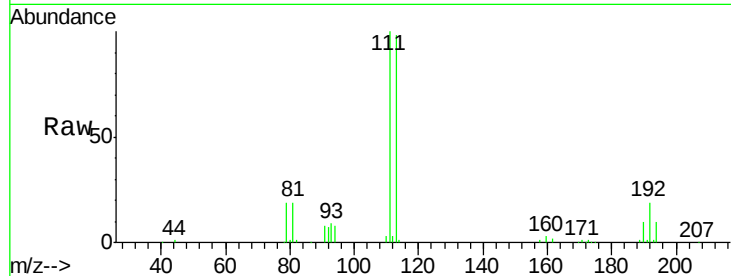




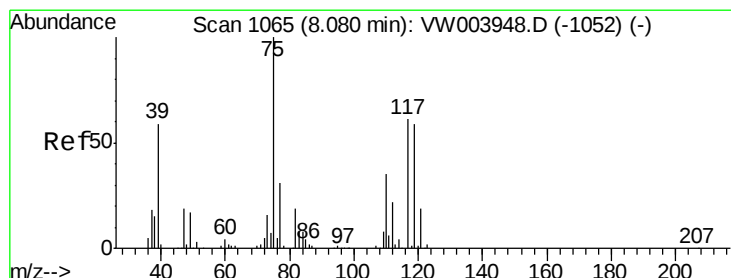
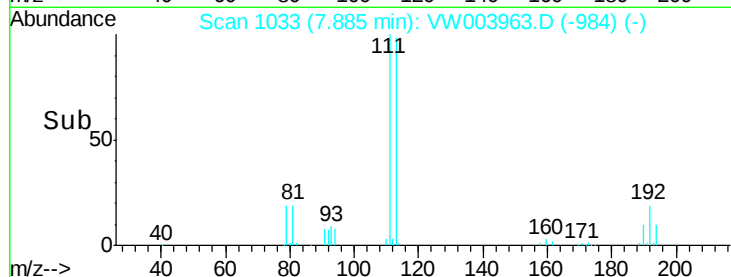
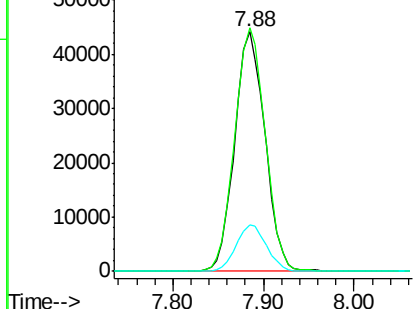
#35
 Dibromofluoromethane
 Concen: 55.055 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003963.D
 Acq: 16 Jul 2018 20:35

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 102274
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.3 121.9
 192 19.4 15.8 23.6

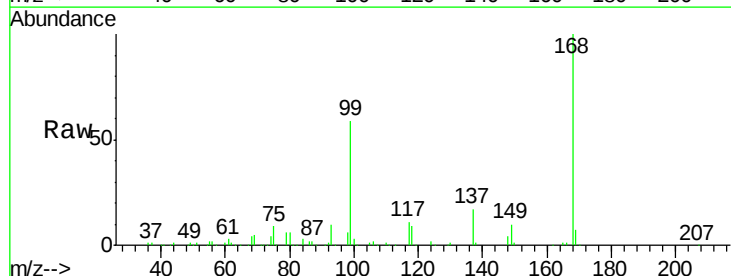


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

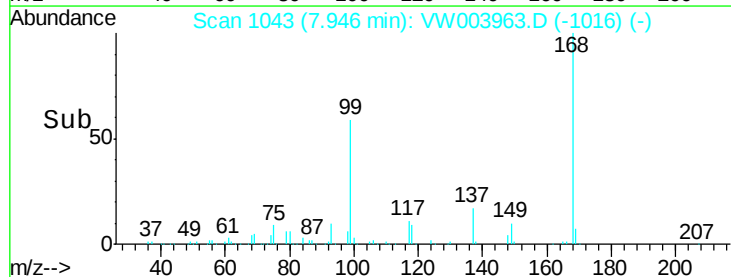
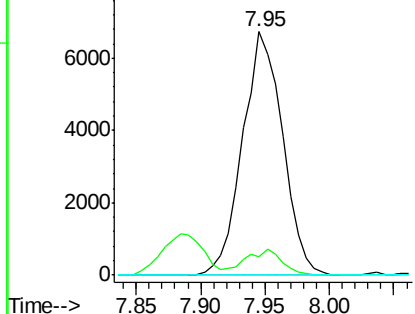


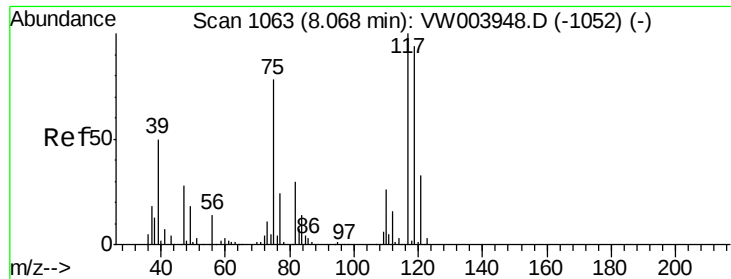
#36
 1,1-Dichloropropene
 Concen: 4.862 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003963.D
 Acq: 16 Jul 2018 20:35

Tgt Ion: 75 Resp: 14484
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.0 51.0#
 77 0.0 24.9 37.3#



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: 6.239 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003963.D

Acq: 16 Jul 2018 20:35

Instrument :
MSVOA_W
ClientSampled :

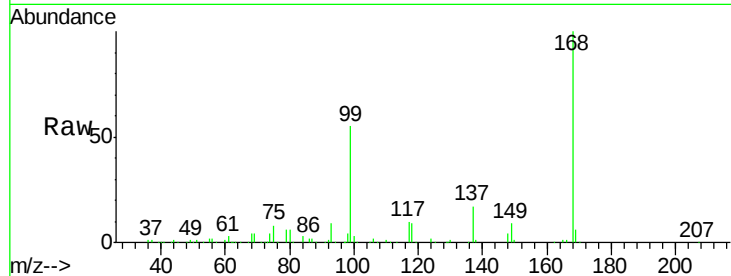
Tot Ion:117 Resp: 17365

Ion Ratio Lower Upper

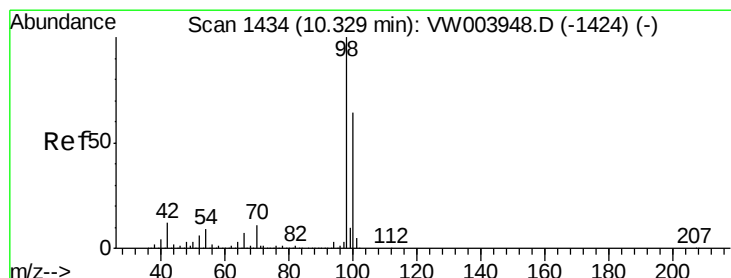
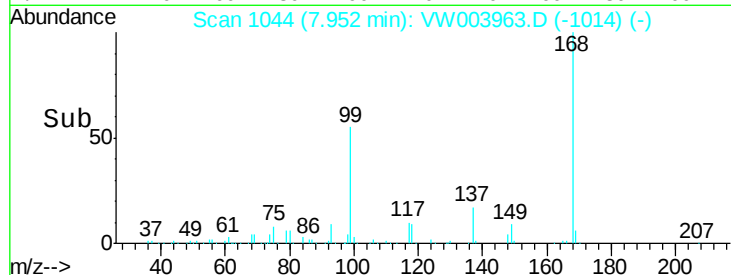
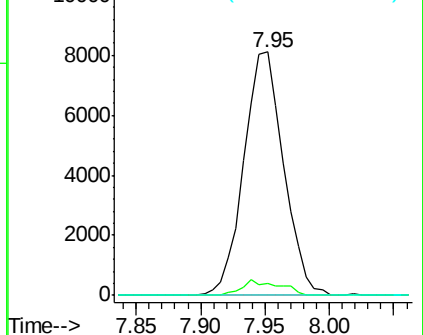
117 100

119 4.9 75.3 112.9#

121 0.0 26.0 39.0#



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: 47.268 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW003963.D

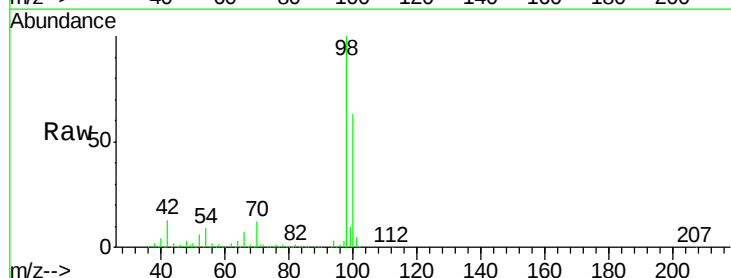
Acq: 16 Jul 2018 20:35

Tgt Ion: 98 Resp: 340712

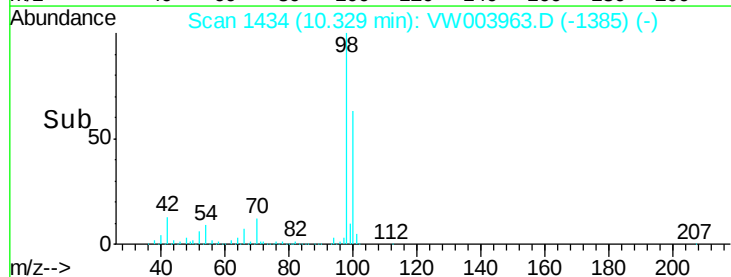
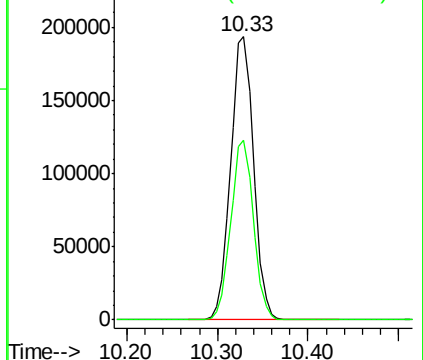
Ion Ratio Lower Upper

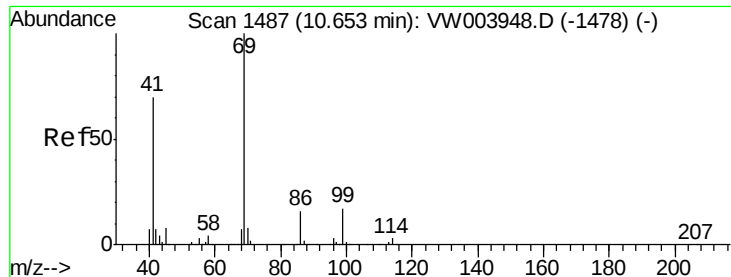
98 100

100 62.6 51.2 76.8



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





#56

Ethyl methacrylate

Concen: 2.958 ug/l

RT: 10.69 min Scan# 1493

Delta R.T. 0.04 min

Lab File: VW003963.D

Acq: 16 Jul 2018 20:35

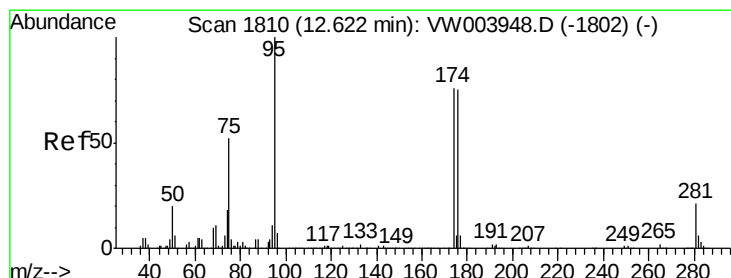
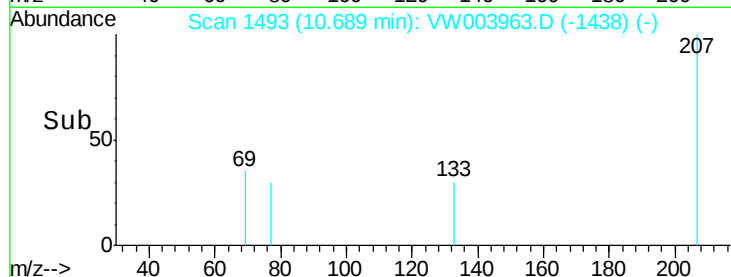
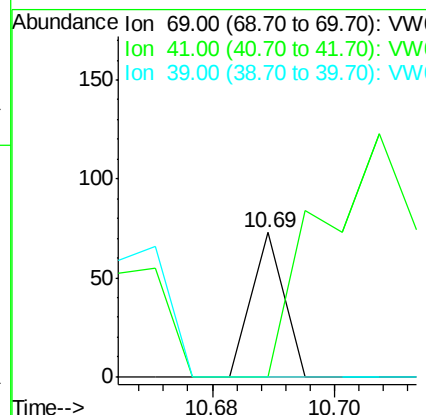
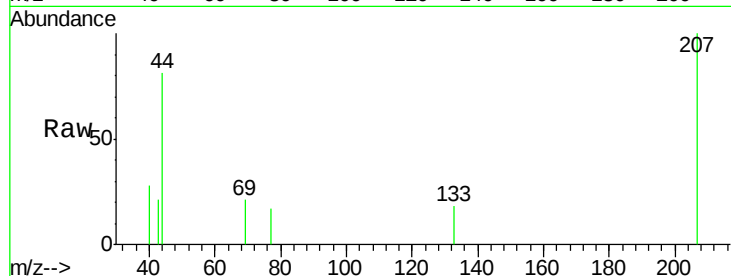
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 69 Resp: 27

Ion	Ratio	Lower	Upper
69	100		
41	692.6	56.5	84.7#
39	0.0	30.2	45.4#



#62

4-Bromofluorobenzene

Concen: 36.812 ug/l

RT: 12.62 min Scan# 1810

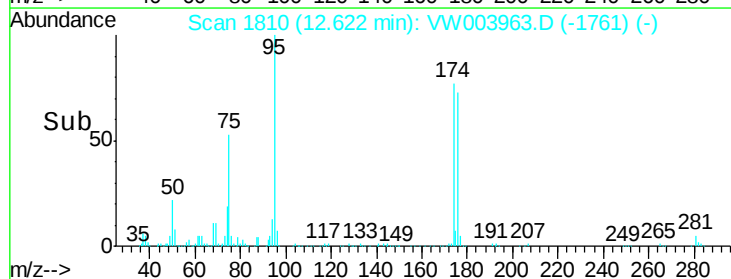
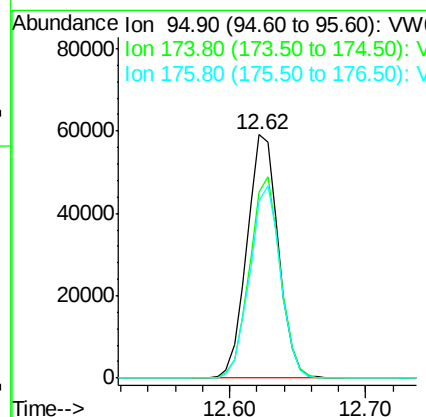
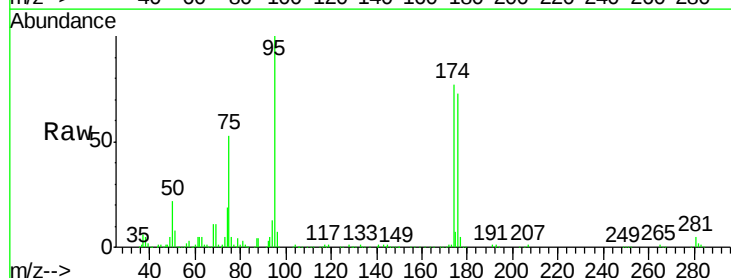
Delta R.T. -0.00 min

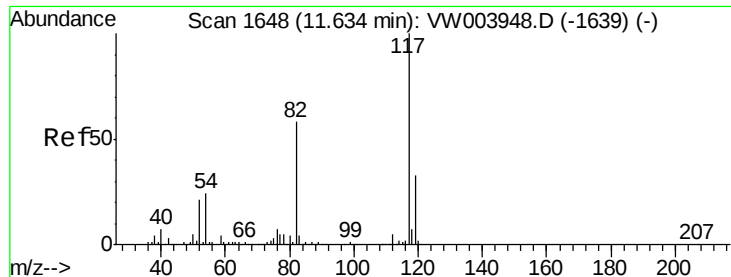
Lab File: VW003963.D

Acq: 16 Jul 2018 20:35

Tgt Ion: 95 Resp: 95683

Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	160.2
176	77.6	0.0	155.8

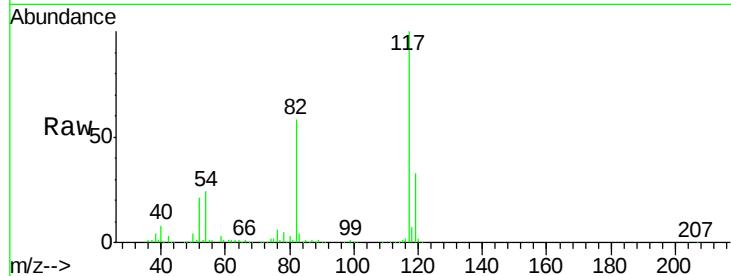




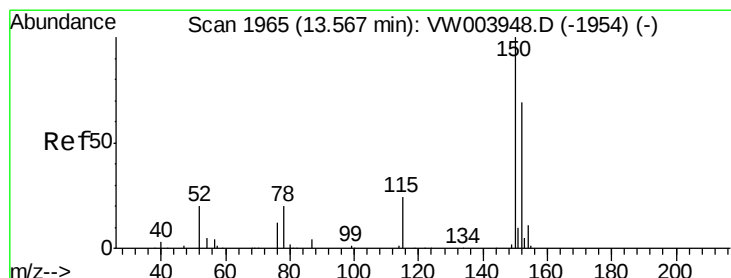
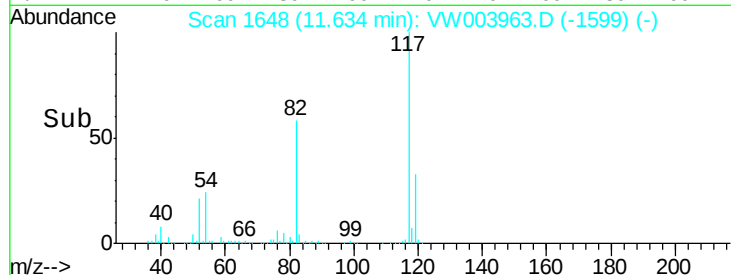
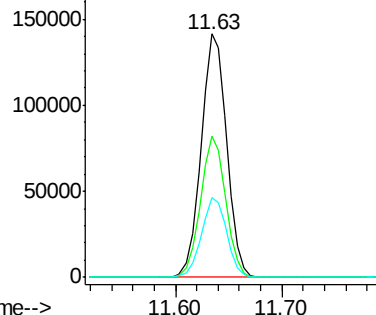
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003963.D
Acq: 16 Jul 2018 20:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 237060
Ion Ratio Lower Upper
117 100
82 58.1 46.5 69.7
119 32.8 26.2 39.2

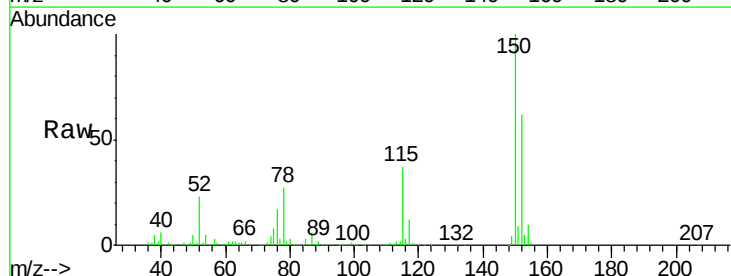


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

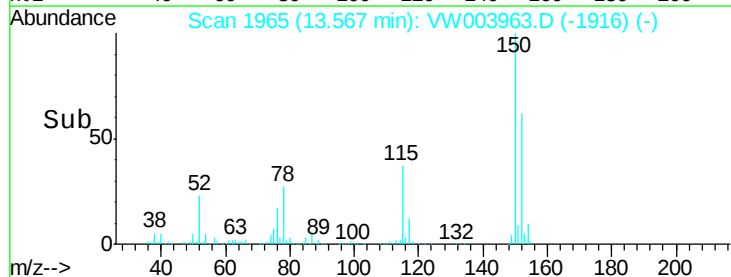
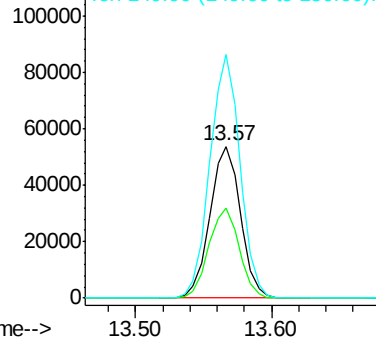


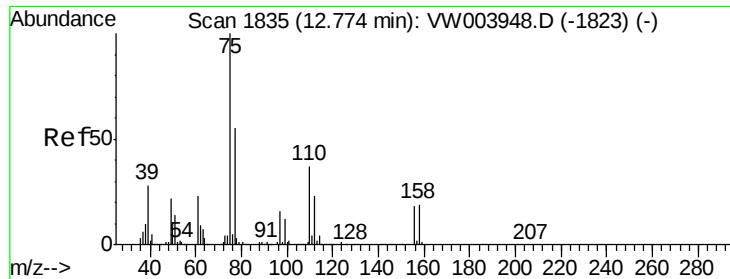
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003963.D
Acq: 16 Jul 2018 20:35

Tgt Ion:152 Resp: 84257
Ion Ratio Lower Upper
152 100
115 59.3 29.2 87.6
150 158.3 0.0 345.2



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: 60.383 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003963.D

Acq: 16 Jul 2018 20:35

Instrument :

MSVOA_W

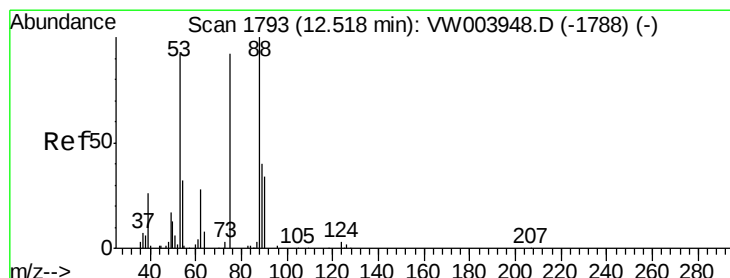
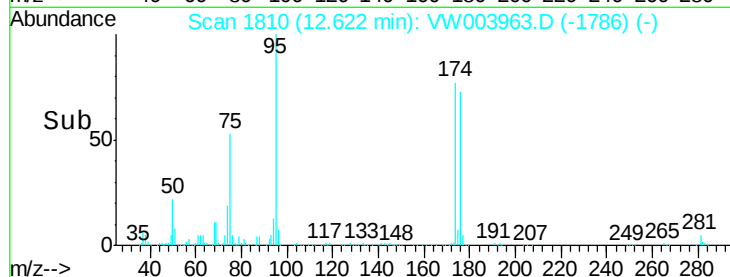
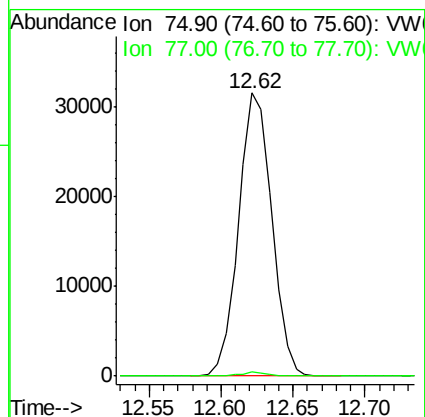
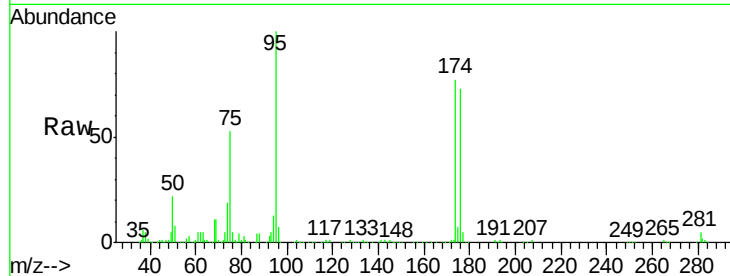
ClientSampleId :

Tot Ion: 75 Resp: 50509

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.565 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003963.D

Acq: 16 Jul 2018 20:35

Tgt Ion: 75 Resp: 50509

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.0 36.6 54.8#

