

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW003998.D
 Acq On : 17 Jul 2018 20:57
 Operator : VA/AP
 Sample : J3826-03
 Misc : 5.17G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-071618

Quant Time: Jul 18 04:51:51 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	131852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	238323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	186944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	58096	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	115007	78.03	ug/l	0.00
Spiked Amount			Recovery	=	156.06%	
35) Dibromofluoromethane	7.88	113	94290	61.66	ug/l	0.00
Spiked Amount			Recovery	=	123.32%	
50) Toluene-d8	10.33	98	253189	42.67	ug/l	0.00
Spiked Amount			Recovery	=	85.34%	
62) 4-Bromofluorobenzene	12.62	95	69368	32.42	ug/l	0.00
Spiked Amount			Recovery	=	64.84%	

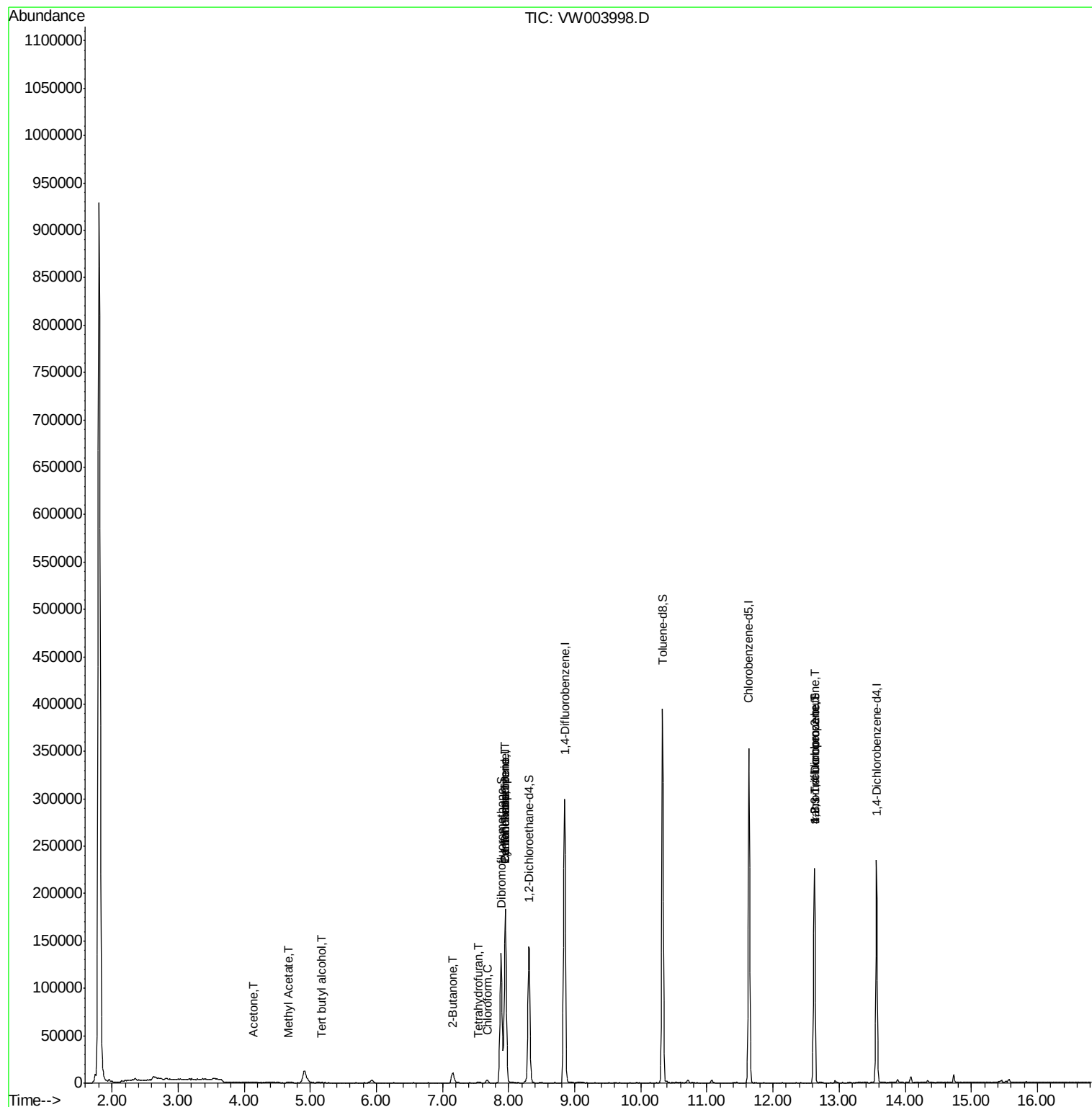
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	144	1.415	ug/l #	72
16) Acetone	4.13	43	1468	4.145	ug/l #	88
18) Methyl Acetate	4.67	43	1398	1.644	ug/l #	90
20) Methylene Chloride	4.92	84	11927	Below Cal		90
25) 2-Butanone	7.15	43	827	1.735	ug/l #	51
29) Tetrahydrofuran	7.54	42	414	1.395	ug/l #	41
30) Chloroform	7.68	83	2820	1.087	ug/l	92
31) Cyclohexane	7.95	56	3703	1.515	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	11617	4.738	ug/l #	49
38) Carbon Tetrachloride	7.95	117	13910	6.071	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	37233	64.555	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	37233	142.795	ug/l #	11

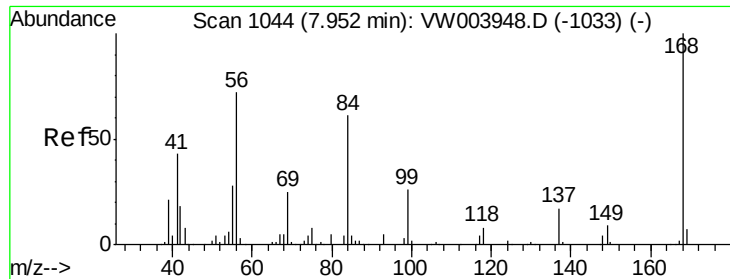
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003998.D

Acq: 17 Jul 2018 20:57

Instrument :

MSVOA_W

ClientSampleId :

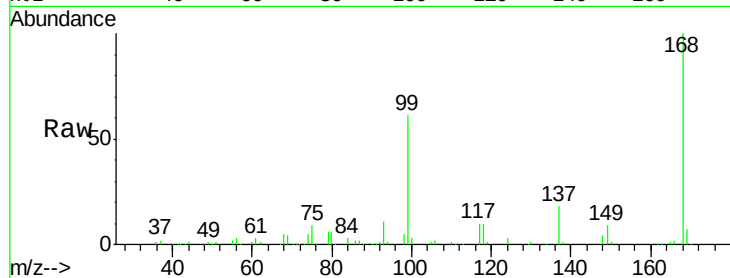
OK-01-071618

Tot Ion:168 Resp: 131852

Ion Ratio Lower Upper

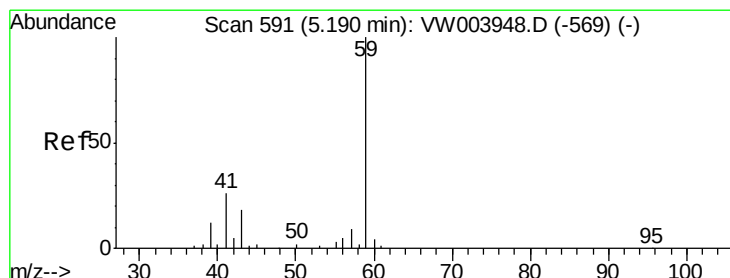
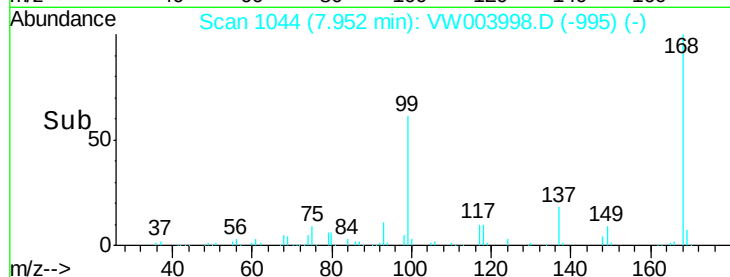
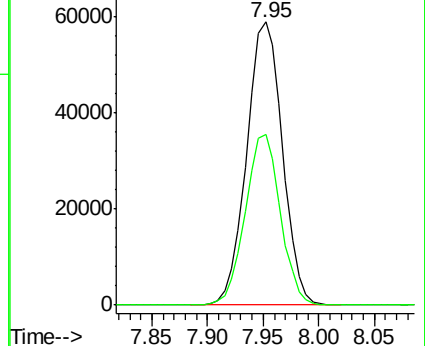
168 100

99 60.5 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: 1.415 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.02 min

Lab File: VW003998.D

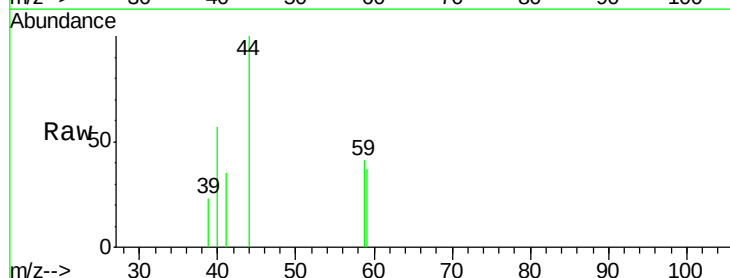
Acq: 17 Jul 2018 20:57

Tgt Ion: 59 Resp: 144

Ion Ratio Lower Upper

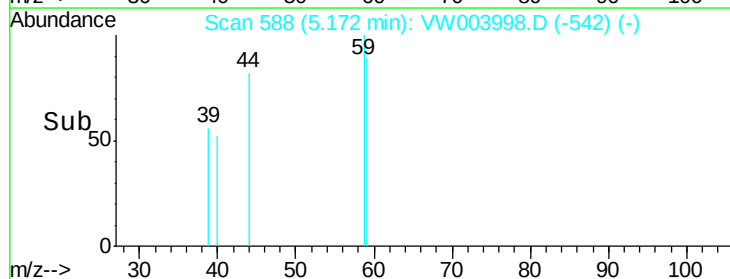
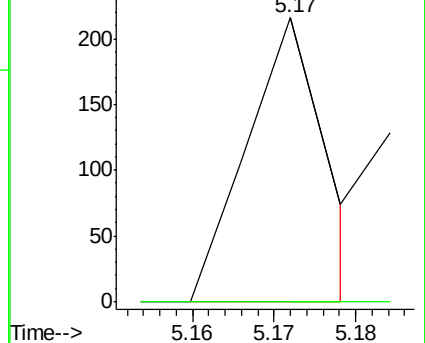
59 100

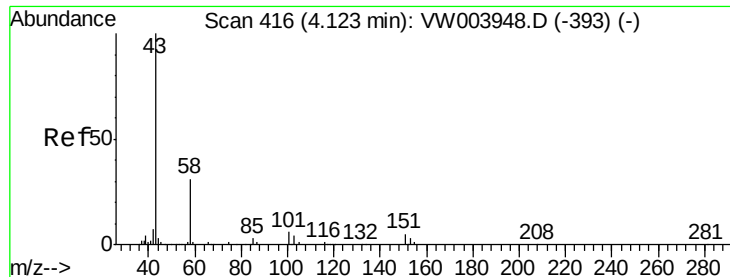
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.145 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW003998.D

Acq: 17 Jul 2018 20:57

Instrument :

MSVOA_W

ClientSampleId :

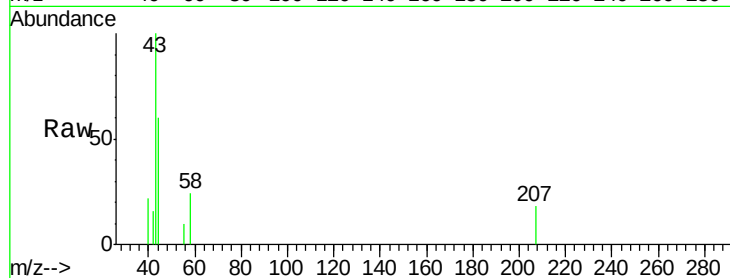
OK-01-071618

Tot Ion: 43 Resp: 1468

Ion Ratio Lower Upper

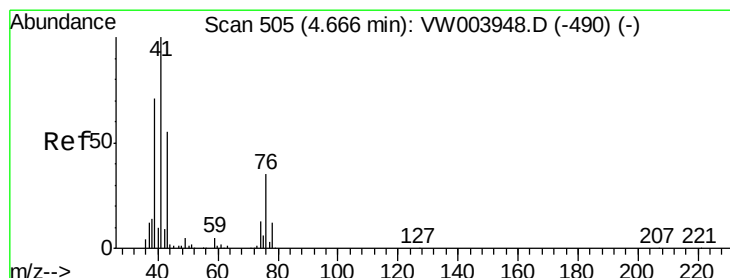
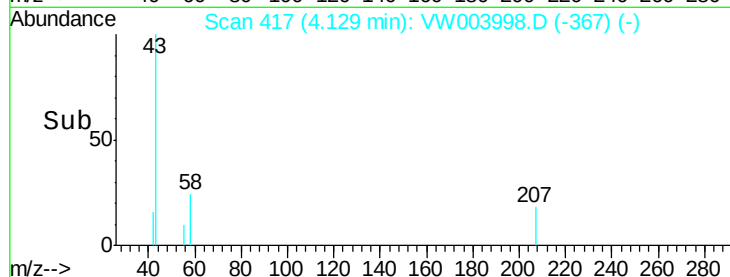
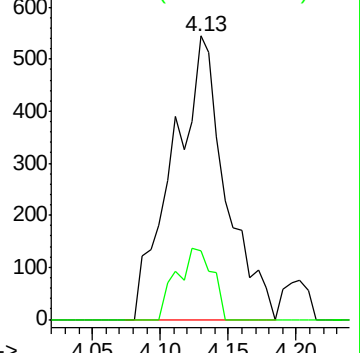
43 100

58 24.1 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.644 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW003998.D

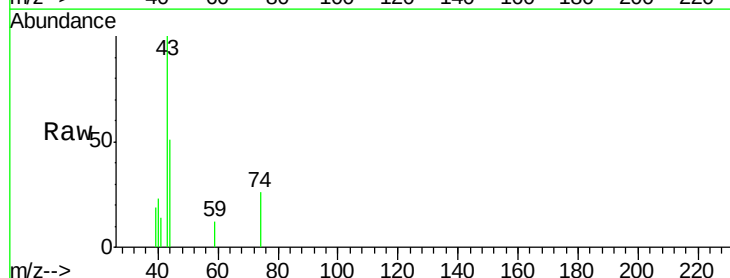
Acq: 17 Jul 2018 20:57

Tgt Ion: 43 Resp: 1398

Ion Ratio Lower Upper

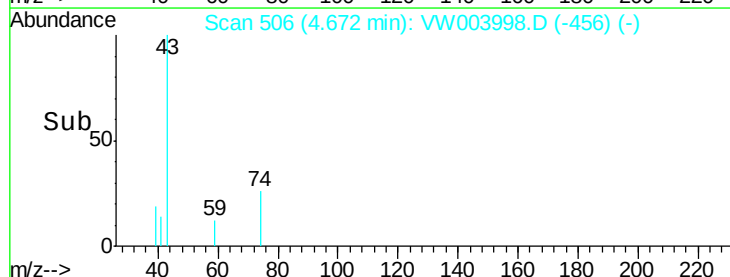
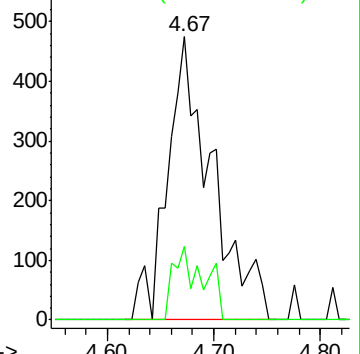
43 100

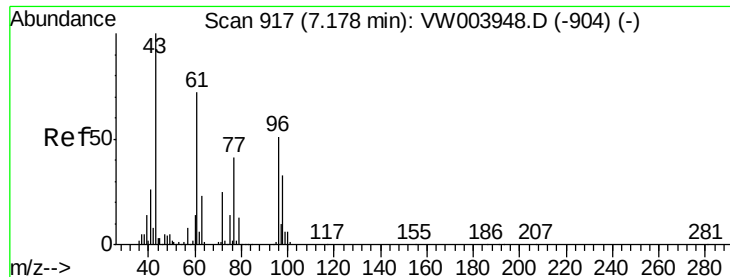
74 17.5 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#25

2-Butanone

Concen: 1.735 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW003998.D

Acq: 17 Jul 2018 20:57

Instrument :

MSVOA_W

ClientSampleId :

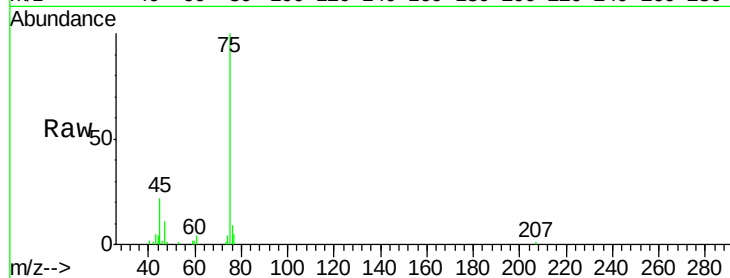
OK-01-071618

Tot Ion: 43 Resp: 827

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

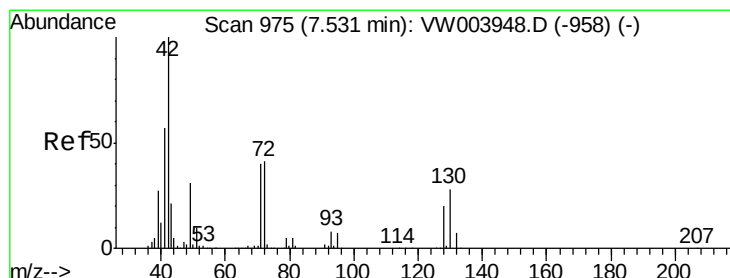
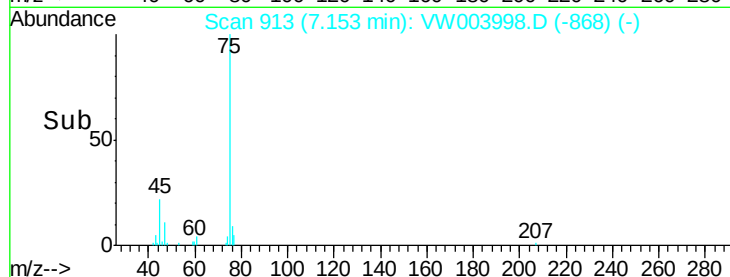
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 1.395 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW003998.D

Acq: 17 Jul 2018 20:57

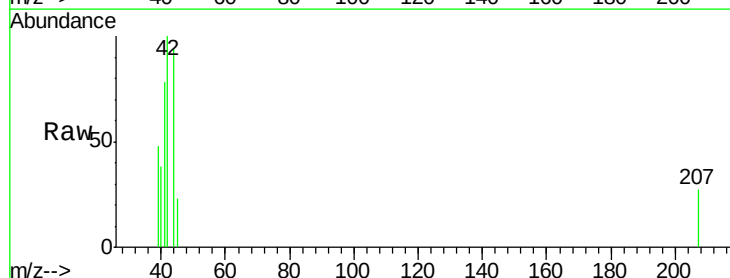
Tgt Ion: 42 Resp: 414

Ion Ratio Lower Upper

42 100

72 0.0 32.6 48.8#

71 6.0 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

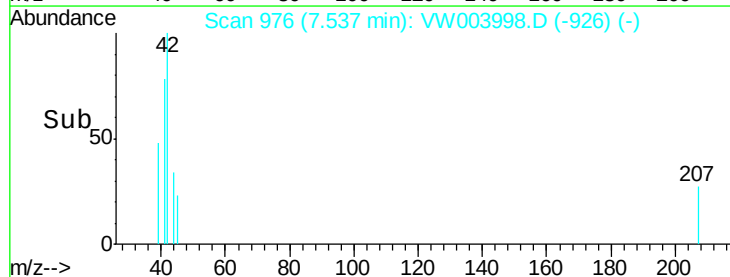
300

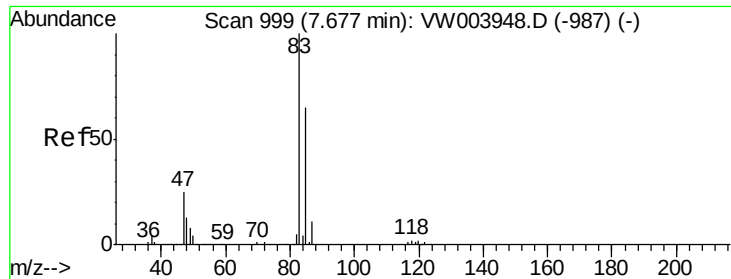
200

100

0

Time-->

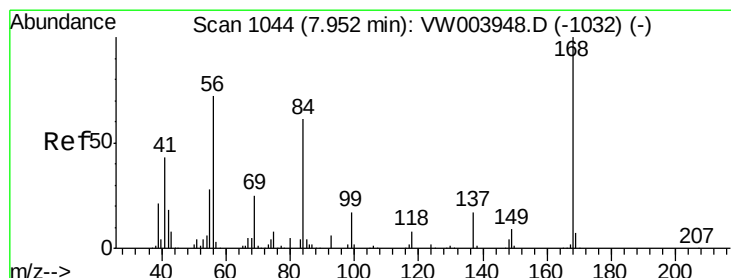
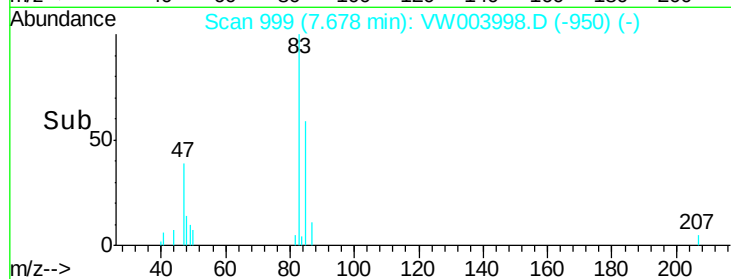
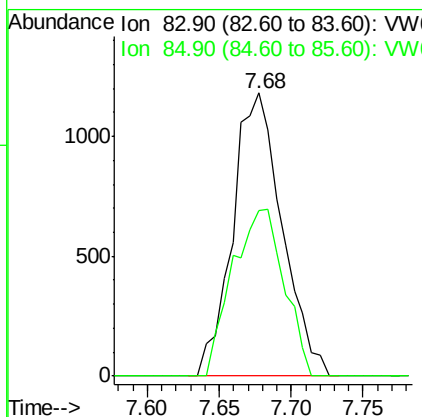
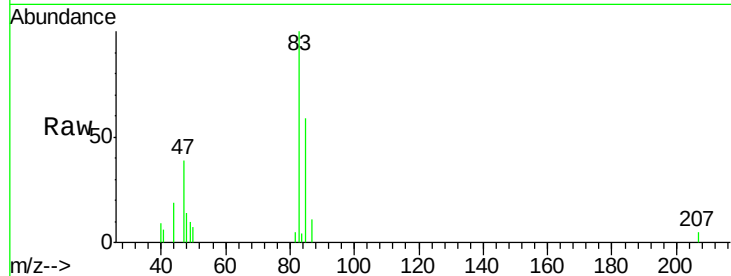




#30
Chloroform
Concen: 1.087 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003998.D
Acq: 17 Jul 2018 20:57

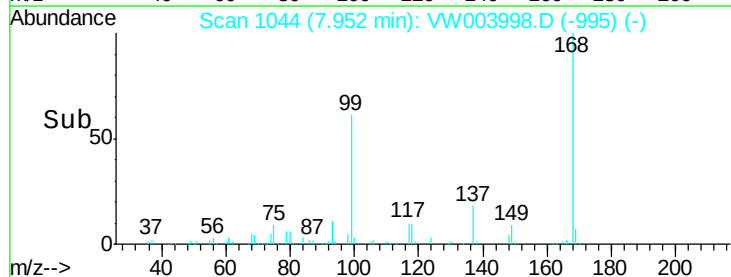
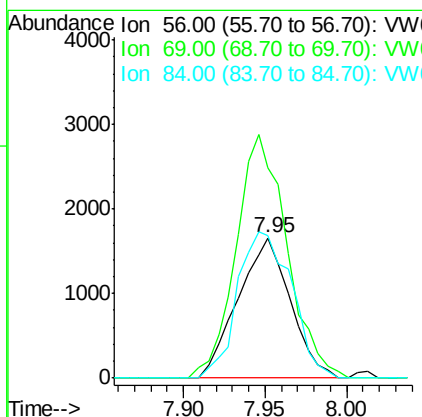
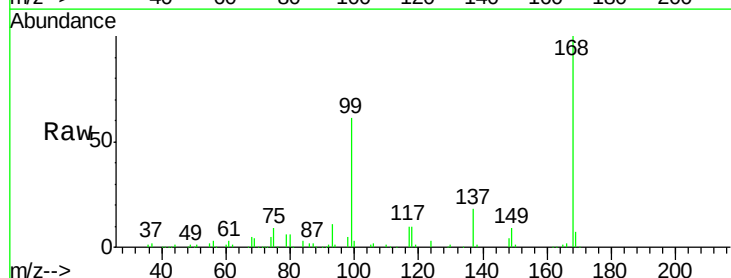
Instrument :
MSVOA_W
ClientSampleId :
OK-01-071618

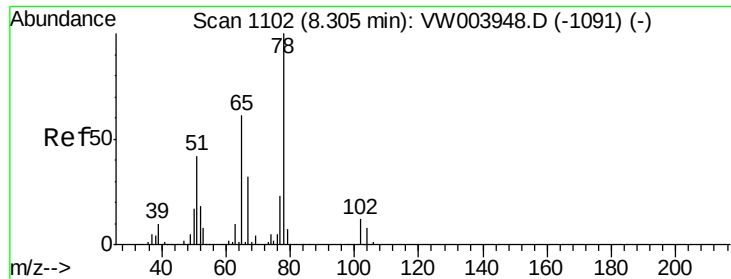
Tot Ion: 83 Resp: 2820
Ion Ratio Lower Upper
83 100
85 58.7 52.2 78.4



#31
Cyclohexane
Concen: 1.515 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003998.D
Acq: 17 Jul 2018 20:57

Tgt Ion: 56 Resp: 3703
Ion Ratio Lower Upper
56 100
69 149.5 27.8 41.8#
84 101.6 67.2 100.8#

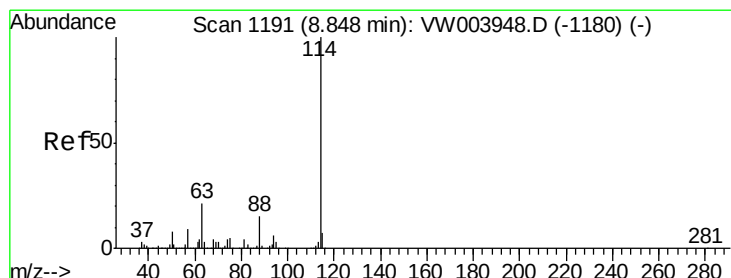
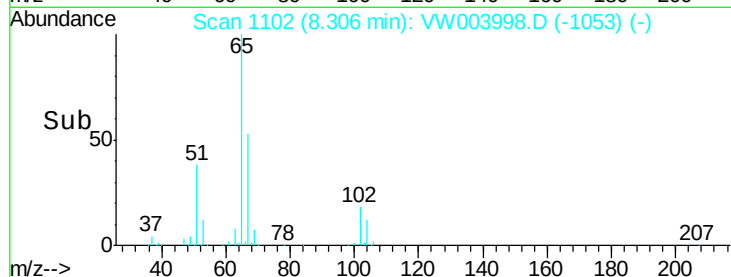
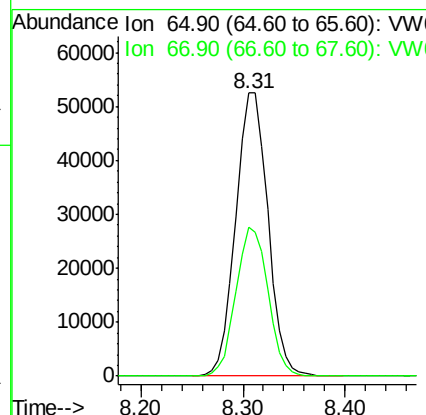
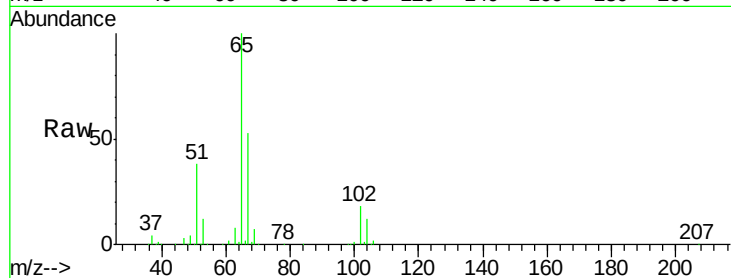




#33
 1,2-Dichloroethane-d4
 Concen: 78.032 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003998.D
 Acq: 17 Jul 2018 20:57

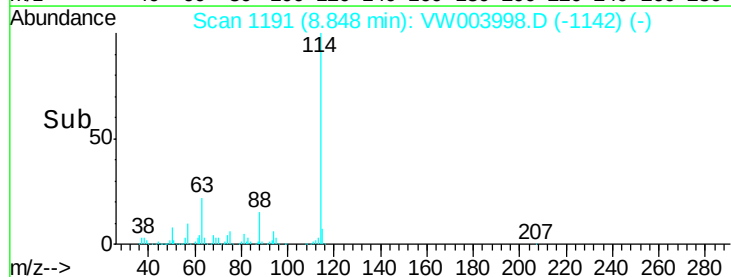
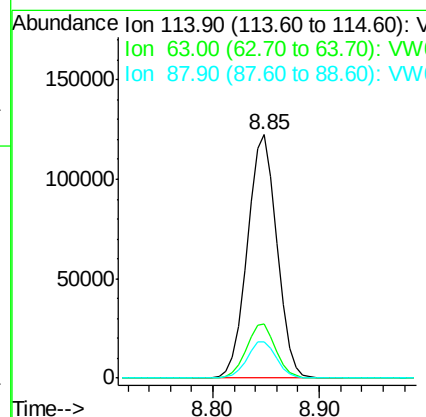
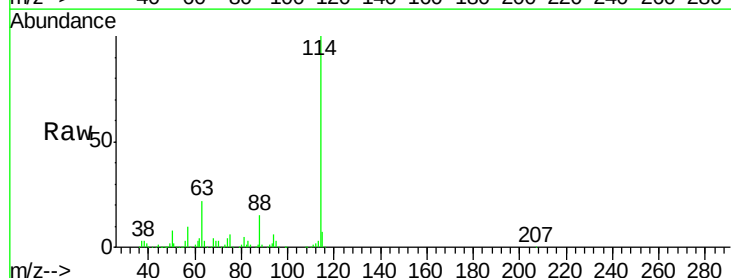
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-071618

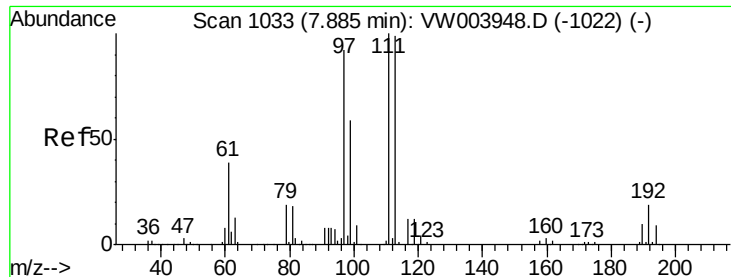
Tot Ion: 65 Resp: 115007
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003998.D
 Acq: 17 Jul 2018 20:57

Tgt Ion: 114 Resp: 238323
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.8
 88 15.0 0.0 30.4

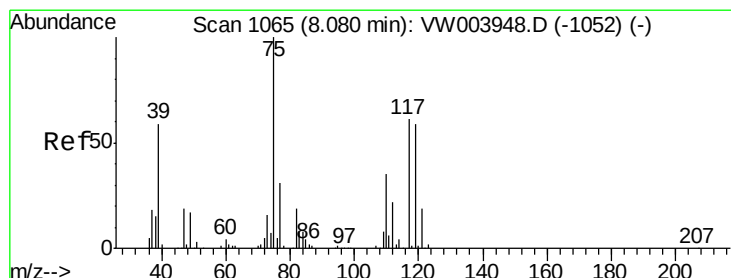
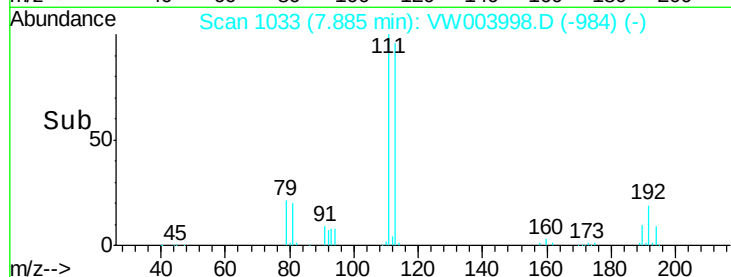
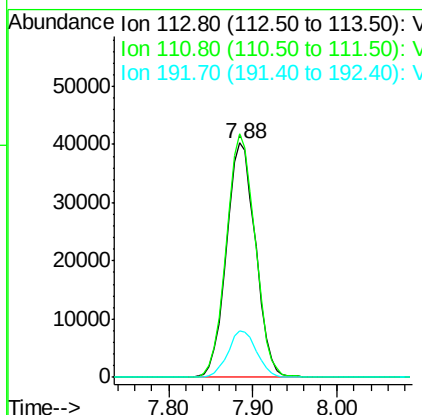
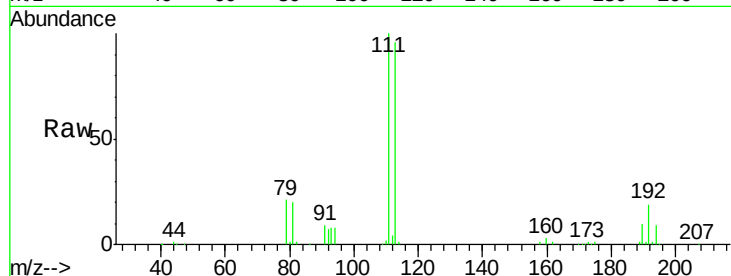




#35
 Dibromofluoromethane
 Concen: 61.662 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003998.D
 Acq: 17 Jul 2018 20:57

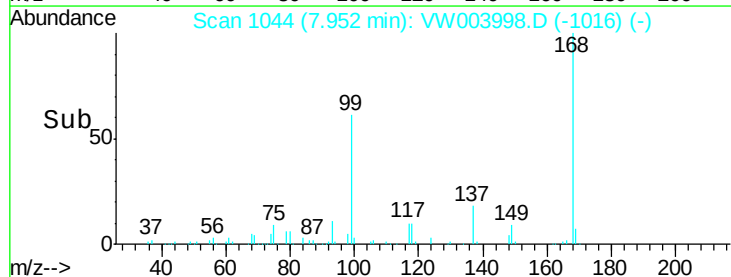
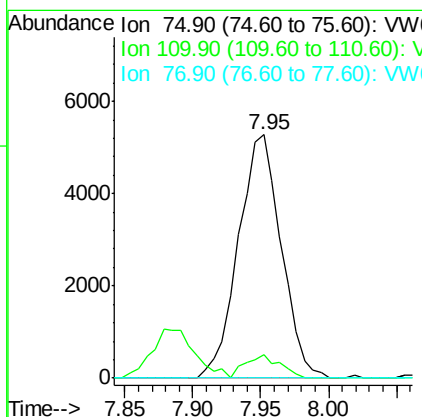
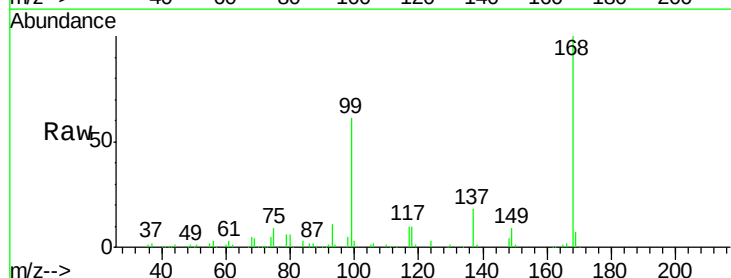
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 OK-01-071618

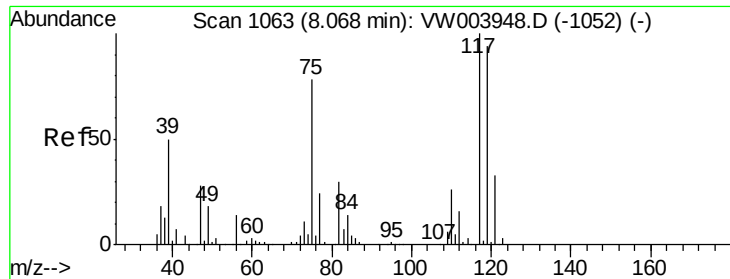
Tot Ion:113 Resp: 94290
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.3 121.9
 192 19.5 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.738 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003998.D
 Acq: 17 Jul 2018 20:57

Tgt Ion: 75 Resp: 11617
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.0 51.0#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.071 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003998.D

Acq: 17 Jul 2018 20:57

Instrument :

MSVOA_W

ClientSampleId :

OK-01-071618

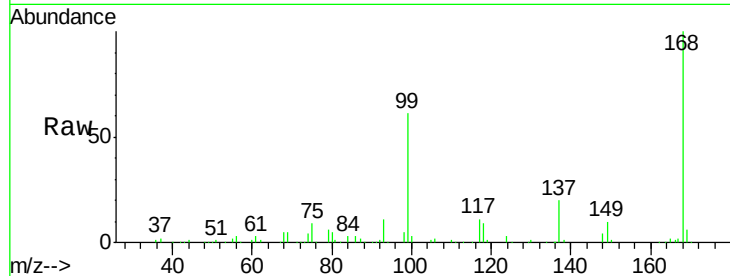
Tot Ion:117 Resp: 13910

Ion Ratio Lower Upper

117 100

119 5.3 75.3 112.9#

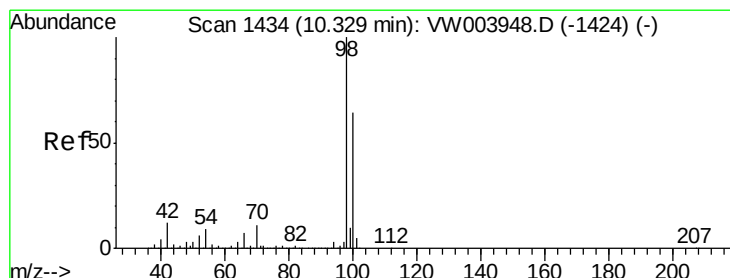
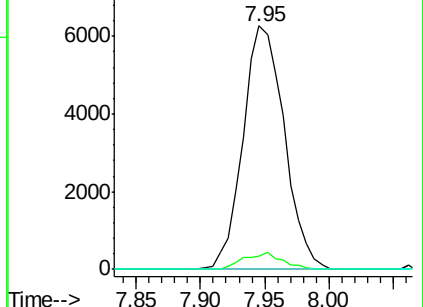
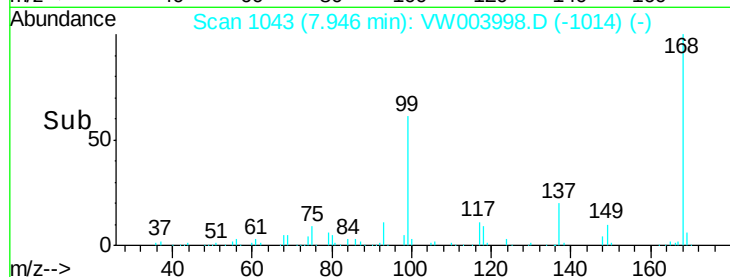
121 0.0 26.0 39.0#



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: 42.672 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003998.D

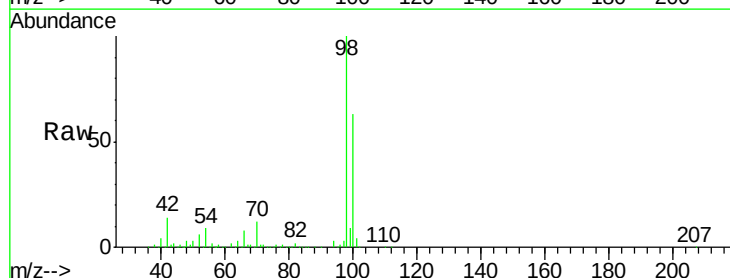
Acq: 17 Jul 2018 20:57

Tgt Ion: 98 Resp: 253189

Ion Ratio Lower Upper

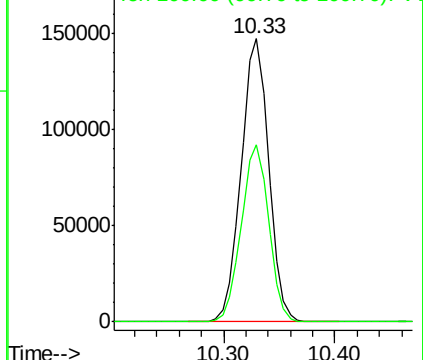
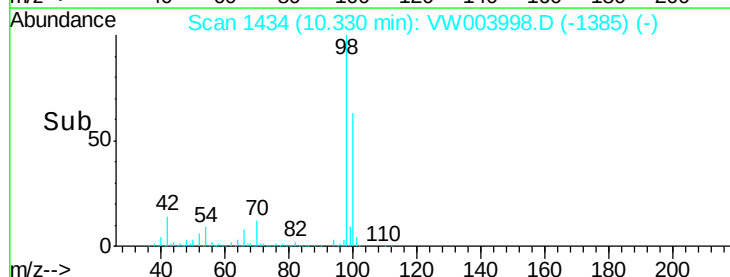
98 100

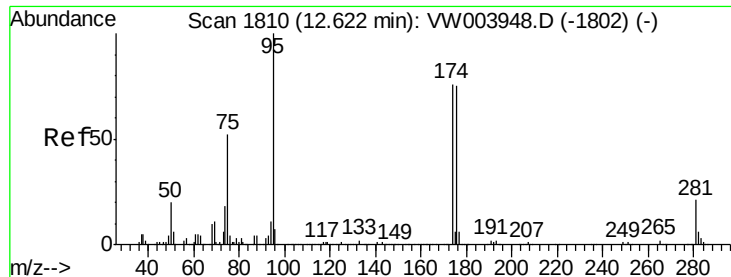
100 62.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

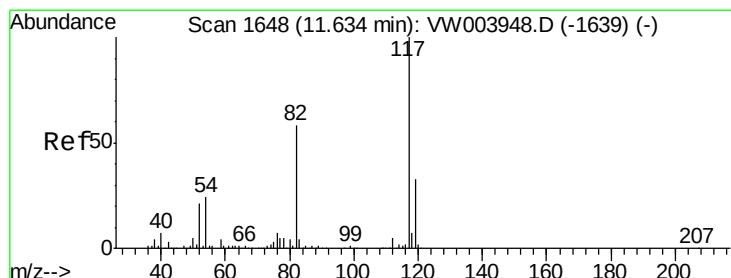
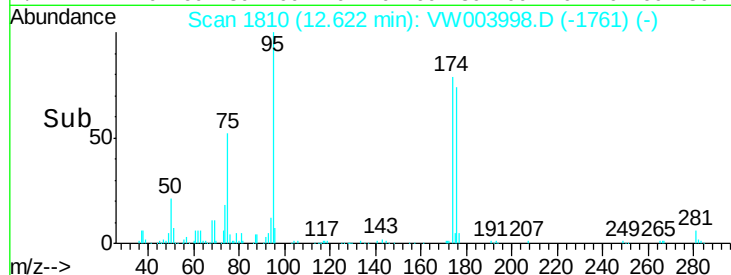
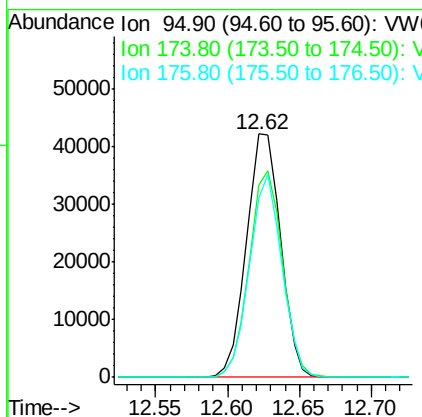
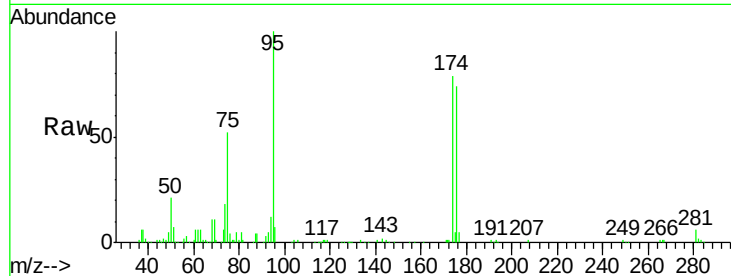




#62
4-Bromofluorobenzene
Concen: 32.421 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW003998.D
Acq: 17 Jul 2018 20:57

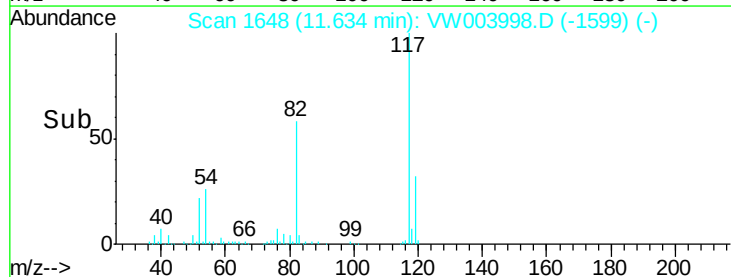
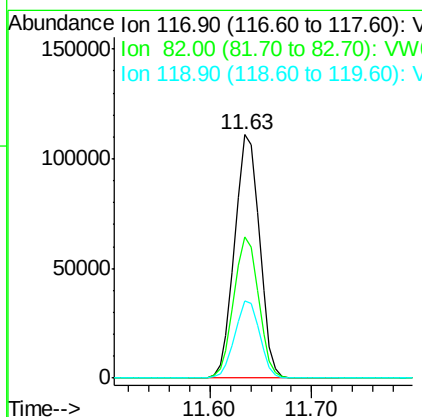
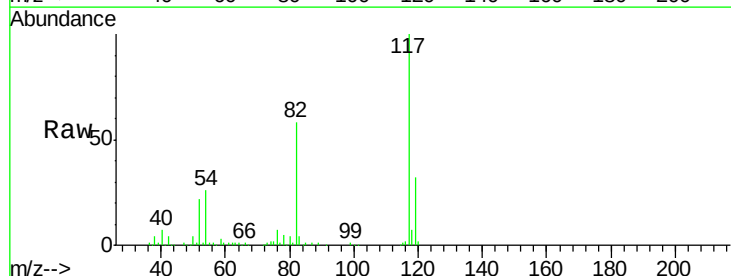
Instrument :
MSVOA_W
ClientSampleId :
OK-01-071618

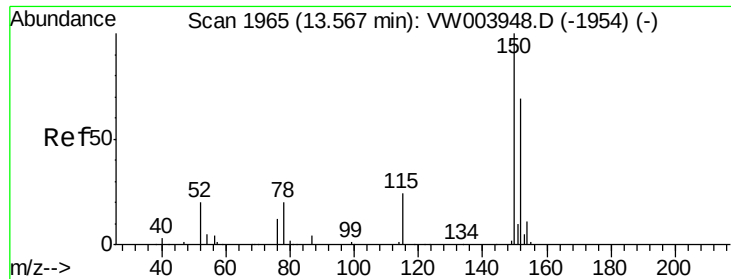
Tot Ion: 95 Resp: 69368
Ion Ratio Lower Upper
95 100
174 83.2 0.0 160.2
176 78.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003998.D
Acq: 17 Jul 2018 20:57

Tgt Ion: 117 Resp: 186944
Ion Ratio Lower Upper
117 100
82 58.2 46.5 69.7
119 31.8 26.2 39.2

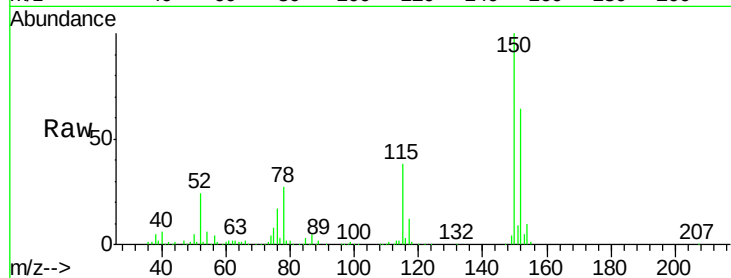




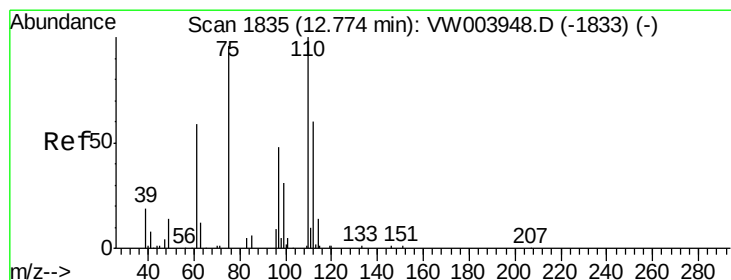
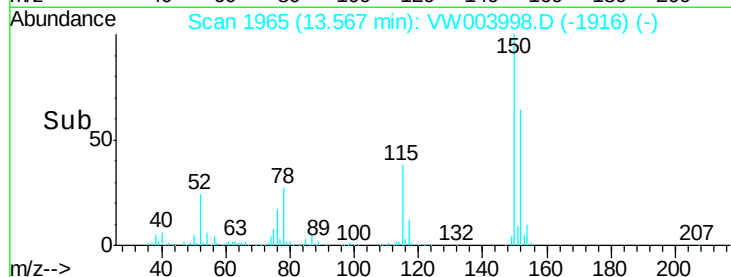
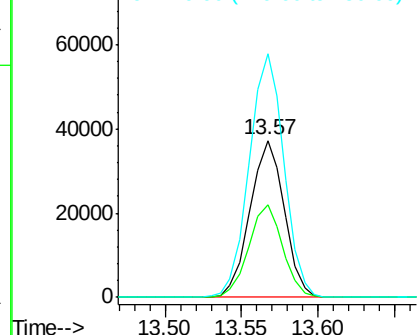
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW003998.D
 Acq: 17 Jul 2018 20:57

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-071618

Tot Ion:152 Resp: 58096
 Ion Ratio Lower Upper
 152 100
 115 58.5 29.2 87.6
 150 156.9 0.0 345.2

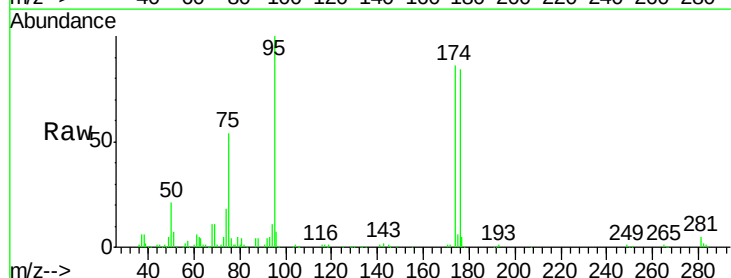


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

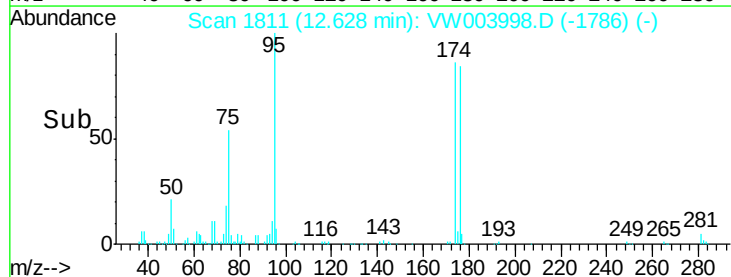
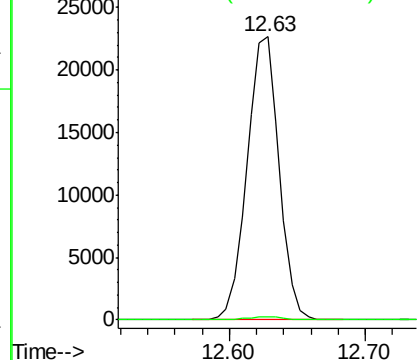


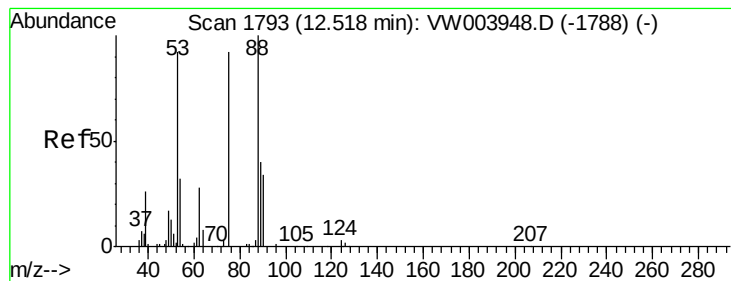
#76
 1,2,3-Trichloropropane
 Concen: 64.555 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW003998.D
 Acq: 17 Jul 2018 20:57

Tgt Ion: 75 Resp: 37233
 Ion Ratio Lower Upper
 75 100
 77 1.3 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: 142.795 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003998.D

Acq: 17 Jul 2018 20:57

Instrument :

MSVOA_W

ClientSampleId :

OK-01-071618

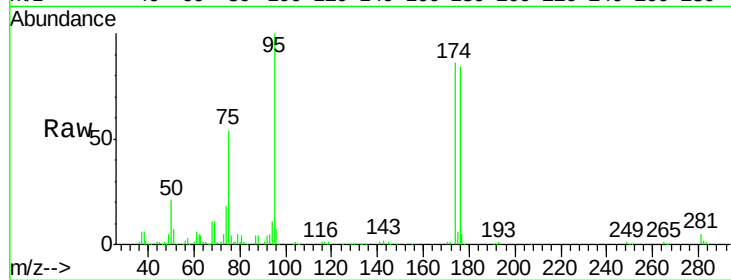
Tot Ion: 75 Resp: 37233

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 36.6 54.8#



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

