

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011215.D
 Acq On : 11 Jul 2019 03:11
 Operator : SY/VA
 Sample : K3621-01
 Misc : 6.54G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-071019-A

Quant Time: Jul 11 08:11:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	188512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	328506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98236	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	131421	55.48	ug/l	0.00
Spiked Amount			Recovery	=	110.96%	
35) Dibromofluoromethane	7.88	113	100219	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	10.32	98	398382	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.62	95	121629	41.93	ug/l	0.00
Spiked Amount			Recovery	=	83.86%	

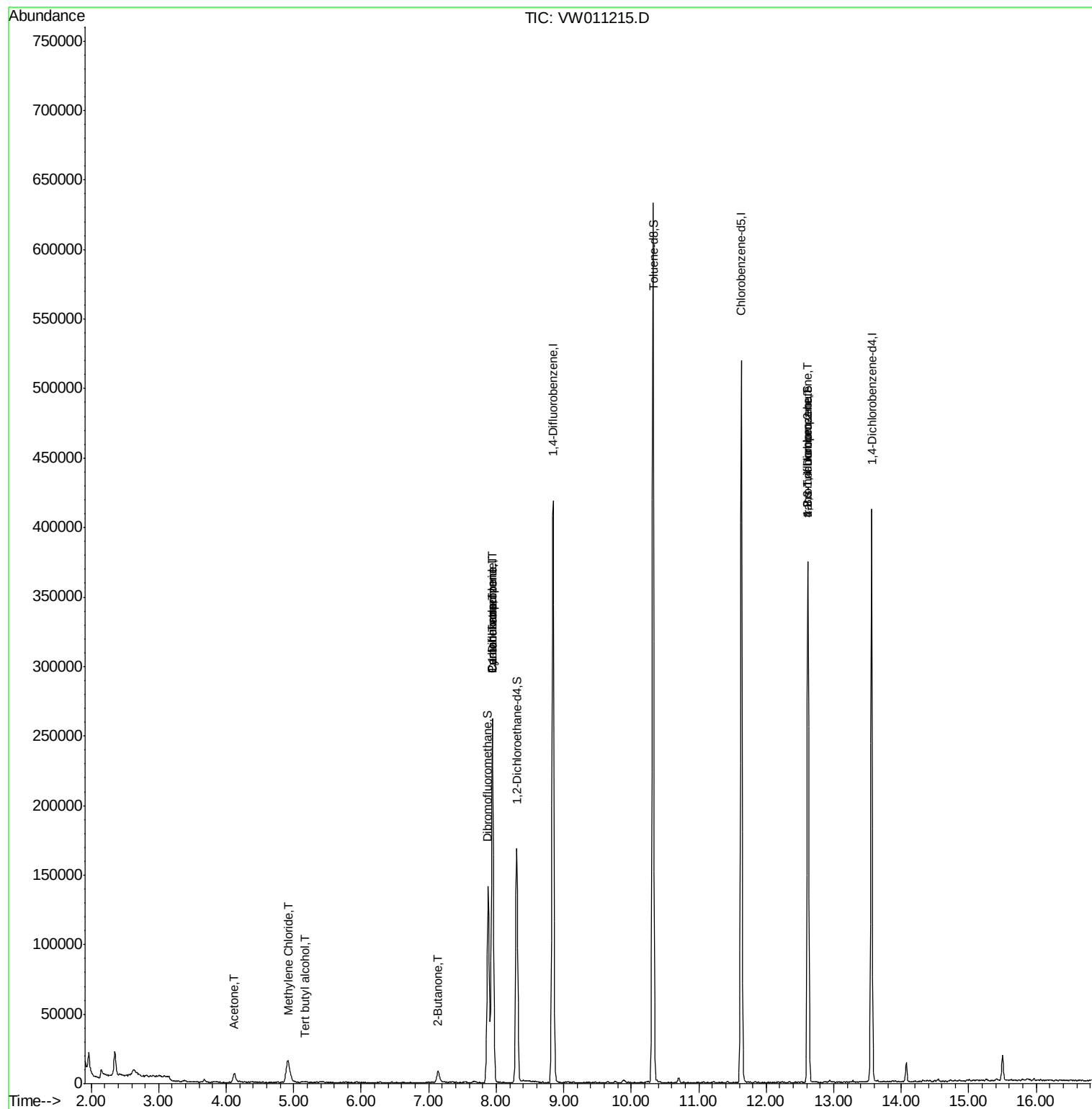
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	226	1.289	ug/l	95
16) Acetone	4.12	43	12680	22.248	ug/l	97
20) Methylene Chloride	4.92	84	13627	6.061	ug/l	96
25) 2-Butanone	7.14	43	953	1.065	ug/l #	54
31) Cyclohexane	7.94	56	4990	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17019	4.865	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19351	6.525	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	65385	57.596	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65385	130.270	ug/l #	6

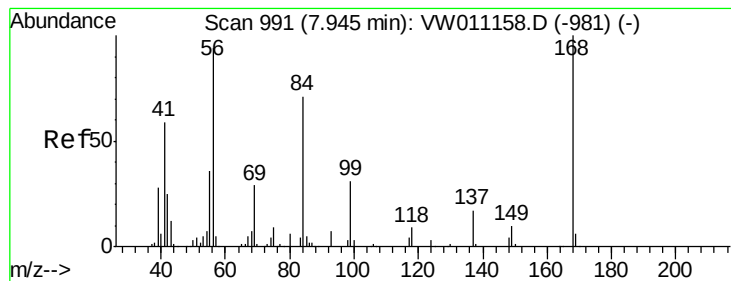
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011215.D

Acq: 11 Jul 2019 03:11

Instrument :

MSVOA_W

ClientSampleId :

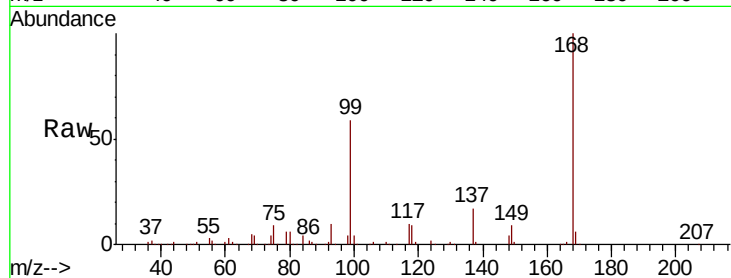
OK-03-071019-A

Tot Ion:168 Resp: 188512

Ion Ratio Lower Upper

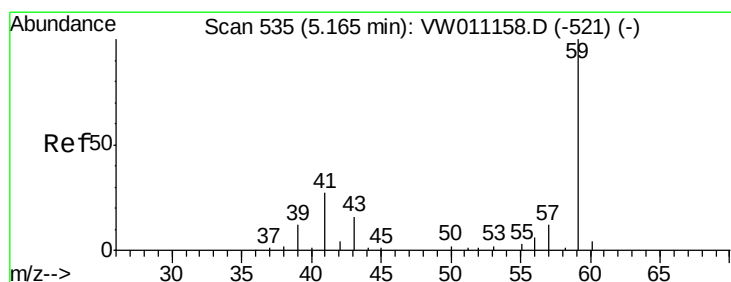
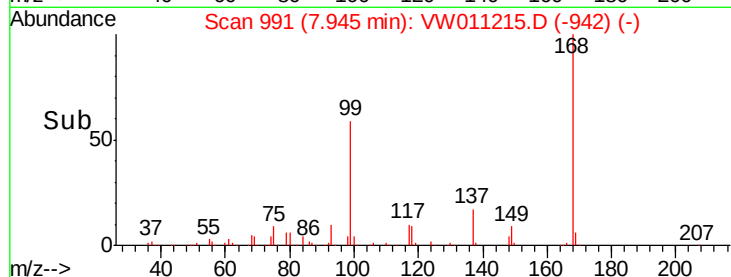
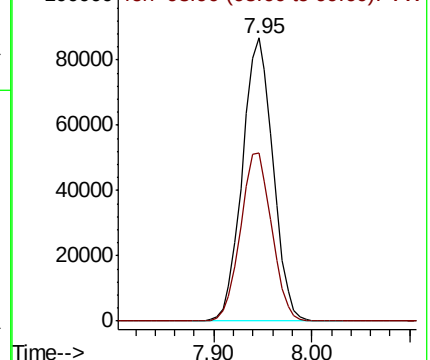
168 100

99 59.2 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.289 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011215.D

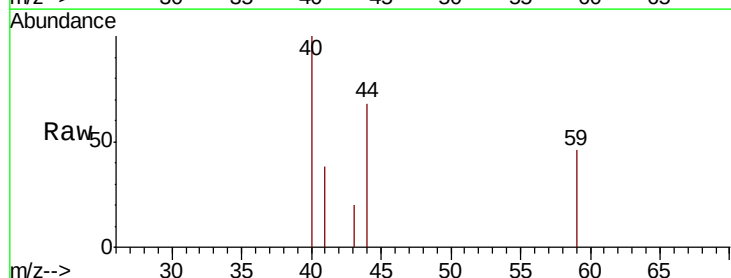
Acq: 11 Jul 2019 03:11

Tgt Ion: 59 Resp: 226

Ion Ratio Lower Upper

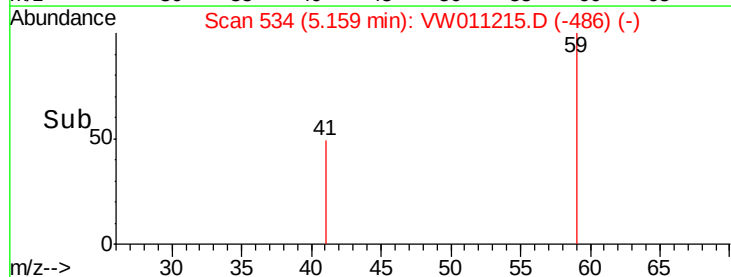
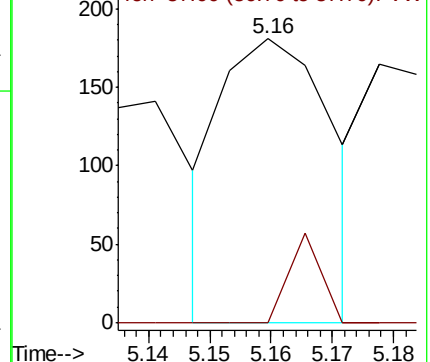
59 100

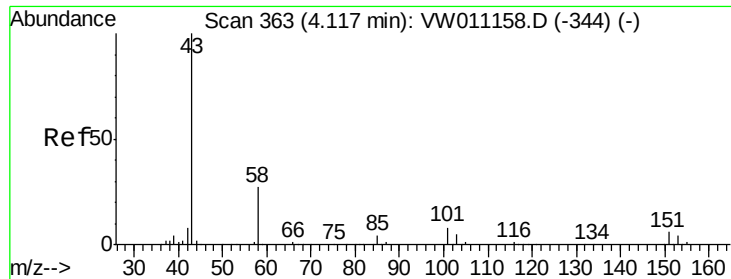
57 9.3 9.0 13.6



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

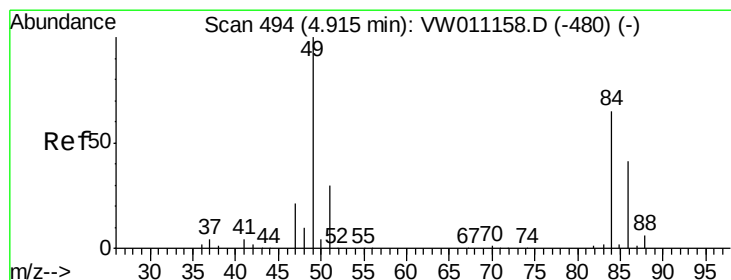
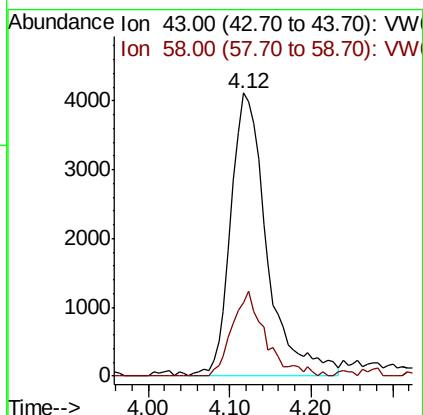
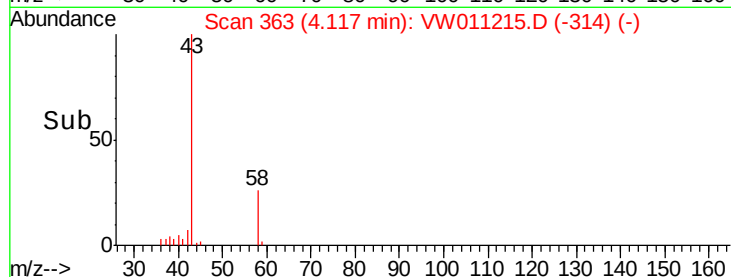
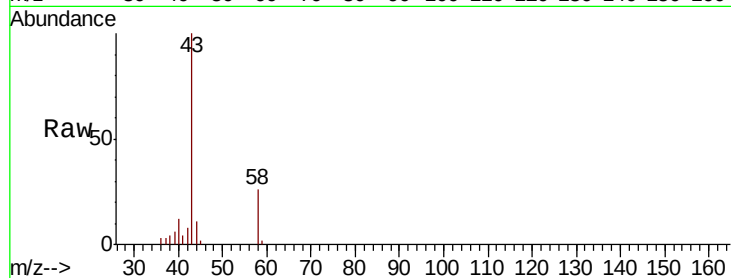




#16
Acetone
Concen: 22.248 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW011215.D
Acq: 11 Jul 2019 03:11

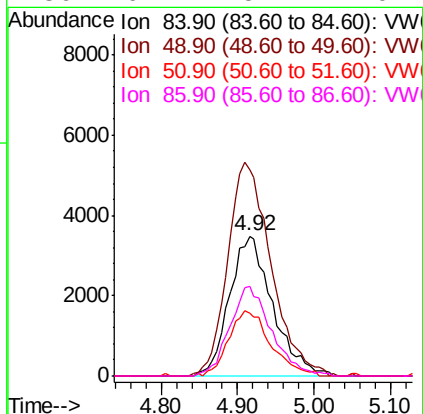
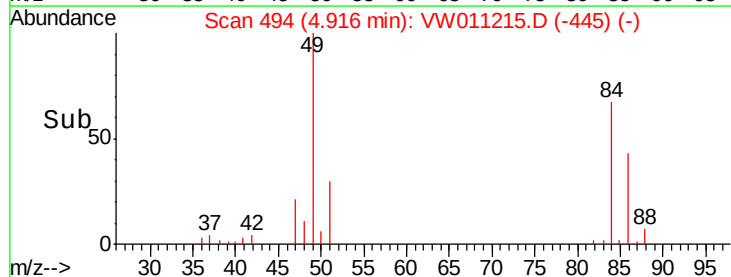
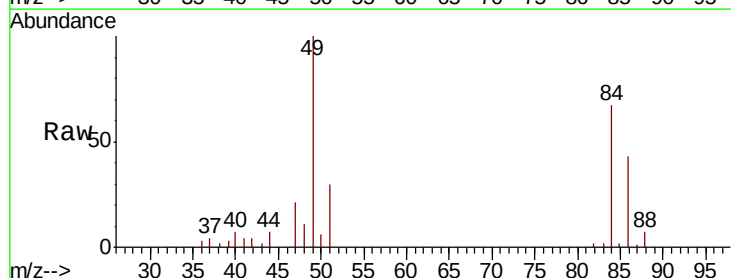
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MSVOA_W
ClientSampleId :
OK-03-071019-A

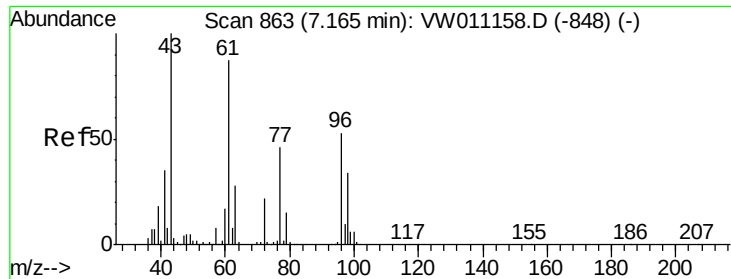
Tot Ion: 43 Resp: 12680
Ion Ratio Lower Upper
43 100
58 25.7 21.8 32.6



#20
Methylene Chloride
Concen: 6.061 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011215.D
Acq: 11 Jul 2019 03:11

Tgt Ion: 84 Resp: 13627
Ion Ratio Lower Upper
84 100
49 148.2 123.8 185.6
51 44.8 37.4 56.2
86 64.2 51.1 76.7

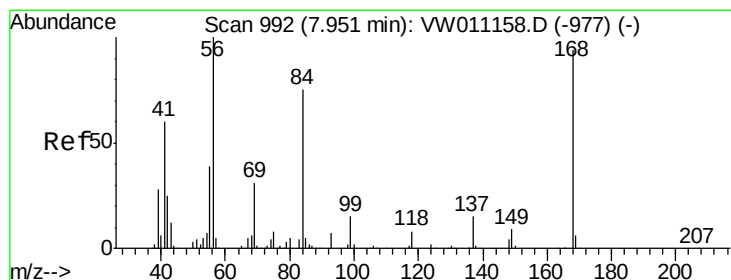
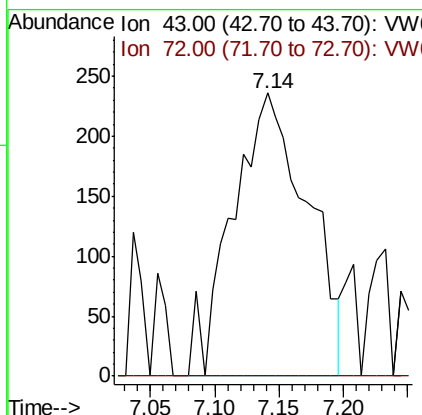
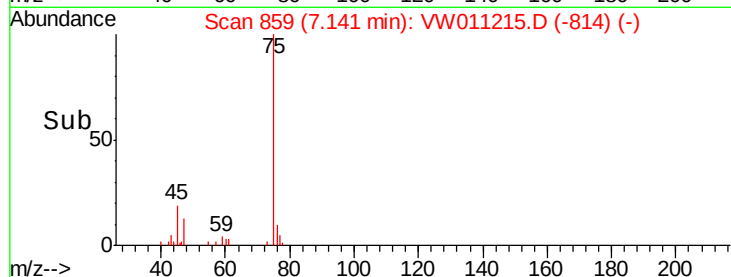
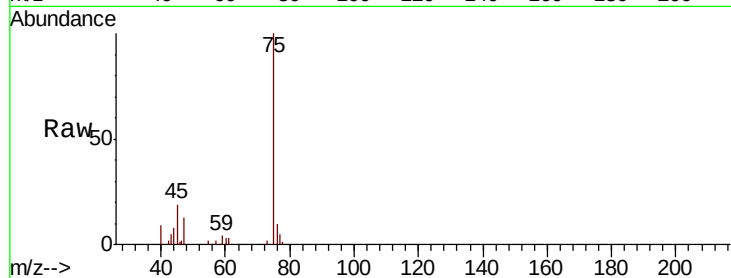




#25
2-Butanone
Concen: 1.065 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011215.D
Acq: 11 Jul 2019 03:11

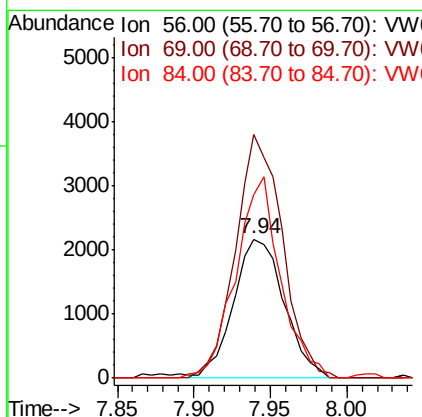
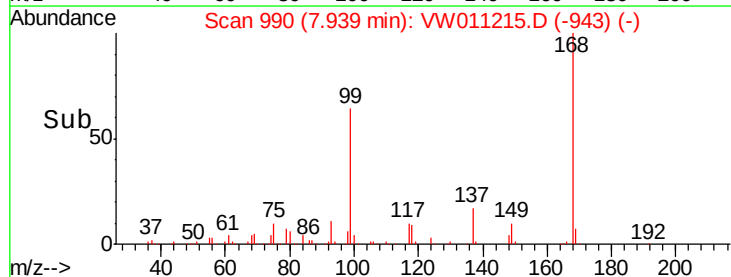
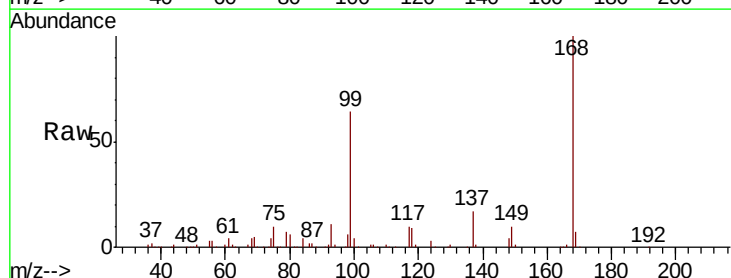
Instrument :
MSVOA_W
ClientSampled :
OK-03-071019-A

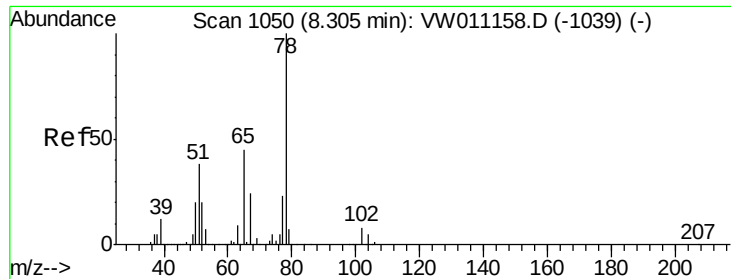
Tot Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
72 0.0 17.6 26.4#



#31
Cyclohexane
Concen: 1.088 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011215.D
Acq: 11 Jul 2019 03:11

Tgt Ion: 56 Resp: 4990
Ion Ratio Lower Upper
56 100
69 175.0 24.6 36.8#
84 131.5 60.1 90.1#

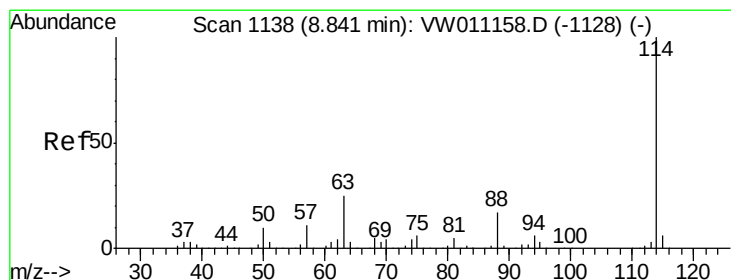
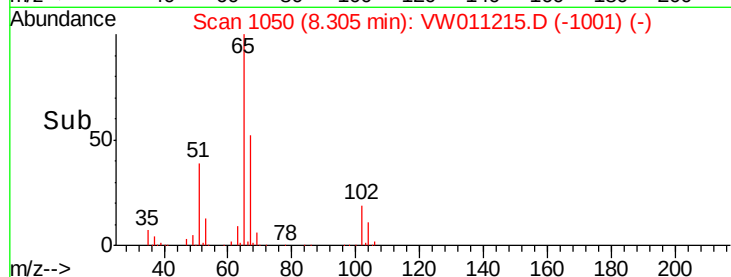
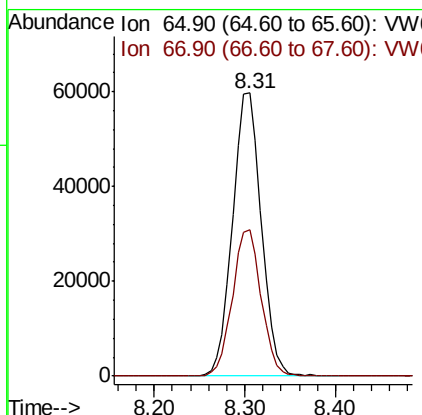
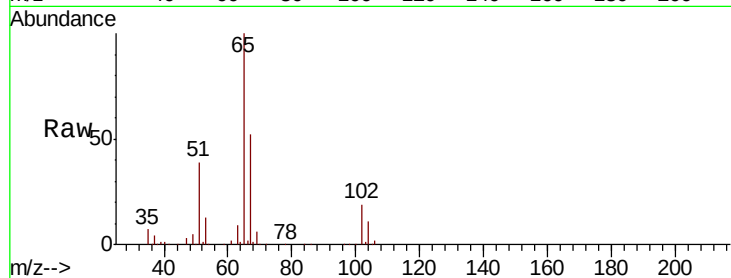




#33
 1,2-Dichloroethane-d4
 Concen: 55.482 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011215.D
 Acq: 11 Jul 2019 03:11

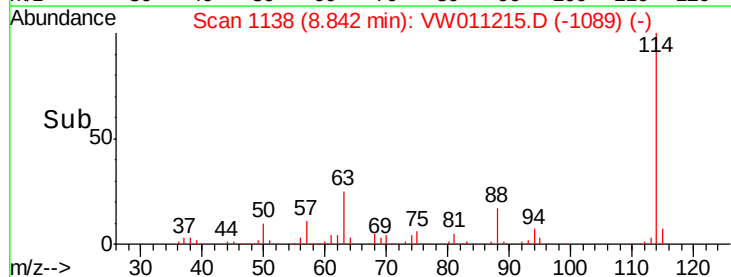
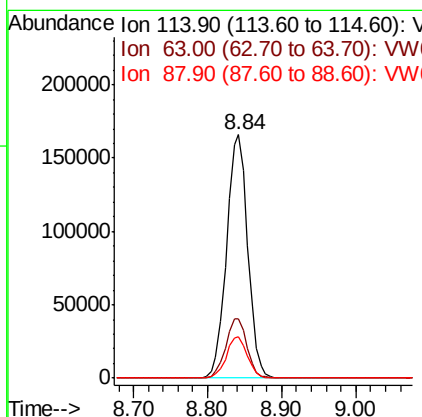
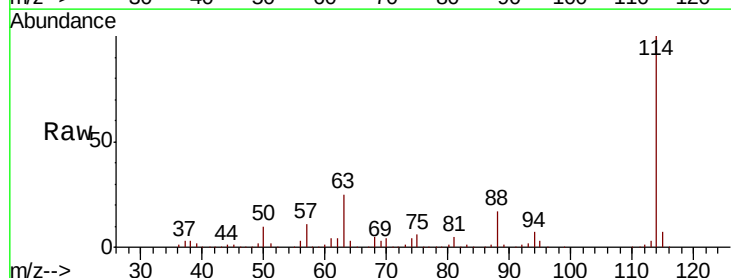
Instrument :
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 ClientSampleId :
 OK-03-071019-A

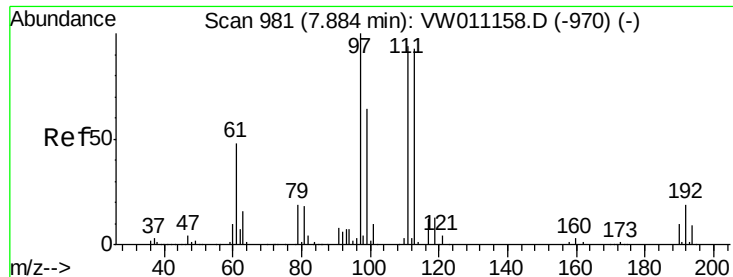
Tot Ion: 65 Resp: 131421
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011215.D
 Acq: 11 Jul 2019 03:11

Tgt Ion: 114 Resp: 328506
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.8
 88 16.9 0.0 34.2

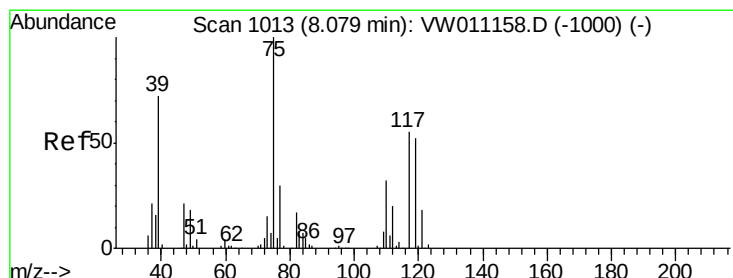
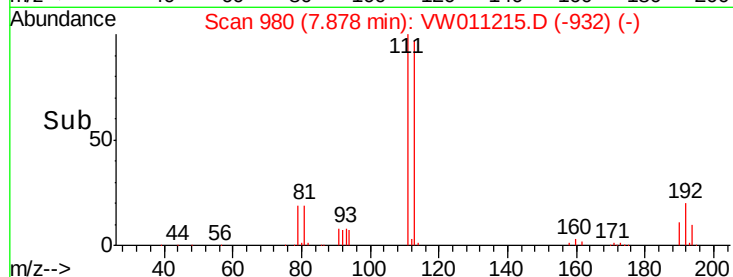
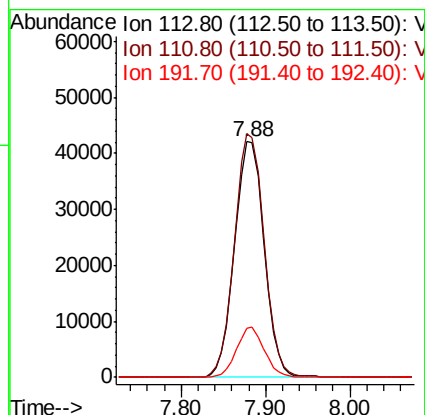
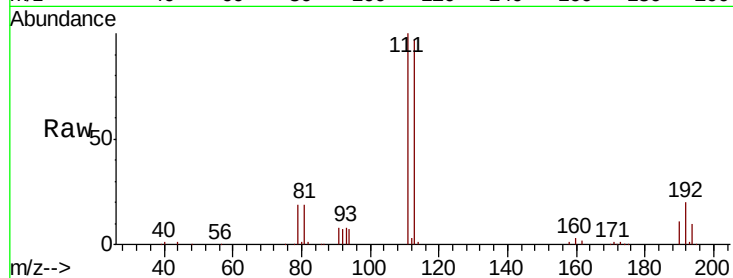




#35
 Dibromofluoromethane
 Concen: 51.183 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011215.D
 Acq: 11 Jul 2019 03:11

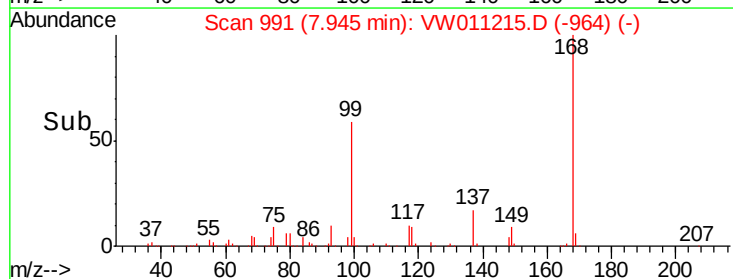
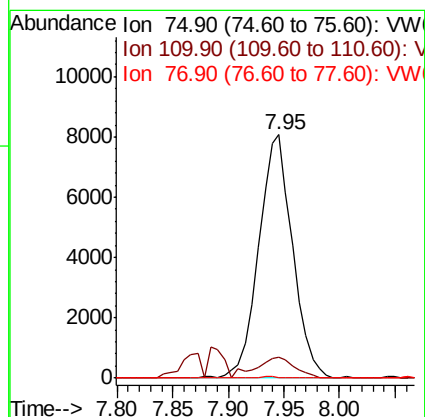
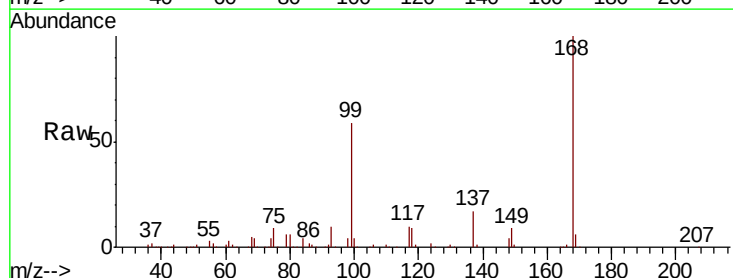
Instrument :
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 ClientSampleId :
 OK-03-071019-A

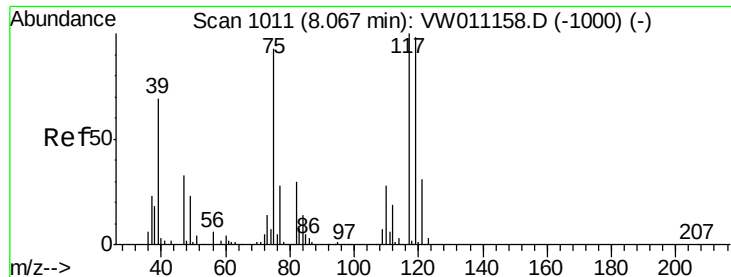
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.4	123.6
192	20.0	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.865 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011215.D
 Acq: 11 Jul 2019 03:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.9	47.6#
77	0.3	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.525 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011215.D

Acq: 11 Jul 2019 03:11

Instrument :

MSVOA_W

ClientSampleId :

OK-03-071019-A

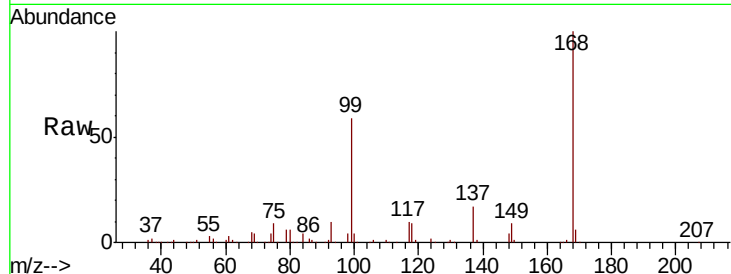
Tot Ion:117 Resp: 19351

Ion Ratio Lower Upper

117 100

119 5.3 78.1 117.1#

121 0.0 25.1 37.7#

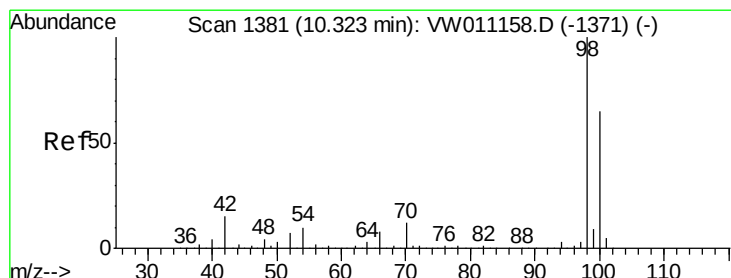
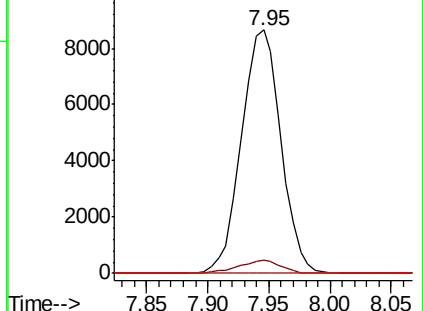
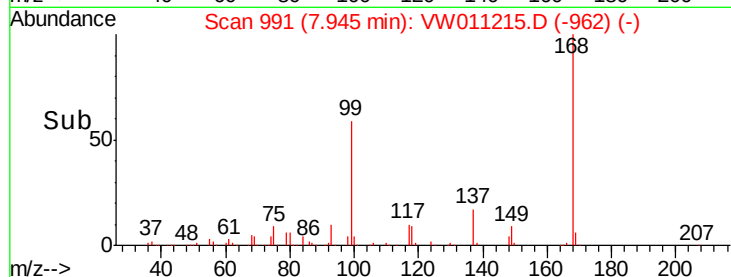


Abundance

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: 50.334 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011215.D

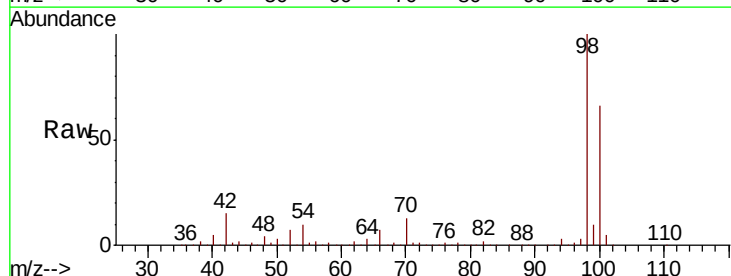
Acq: 11 Jul 2019 03:11

Tgt Ion: 98 Resp: 398382

Ion Ratio Lower Upper

98 100

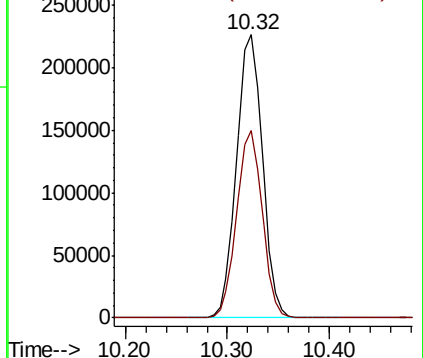
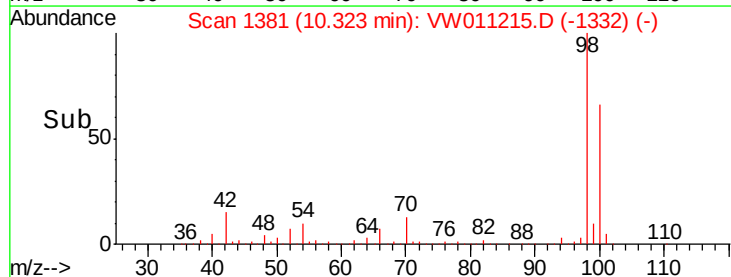
100 65.2 52.4 78.6

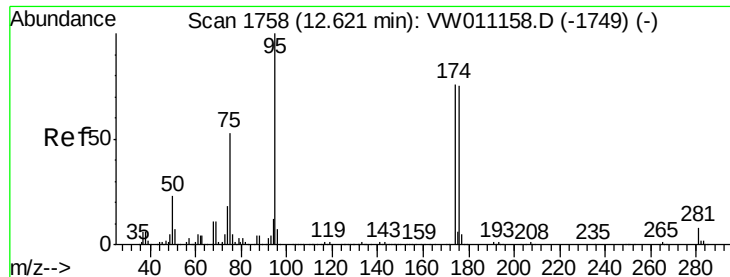


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

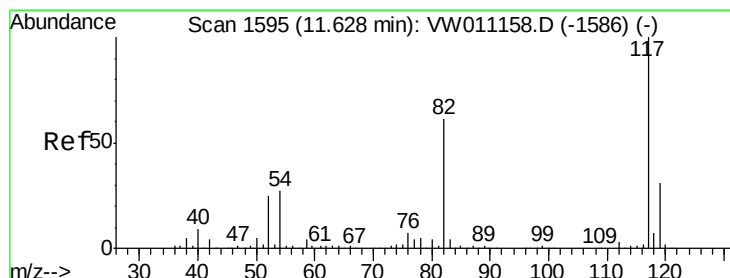
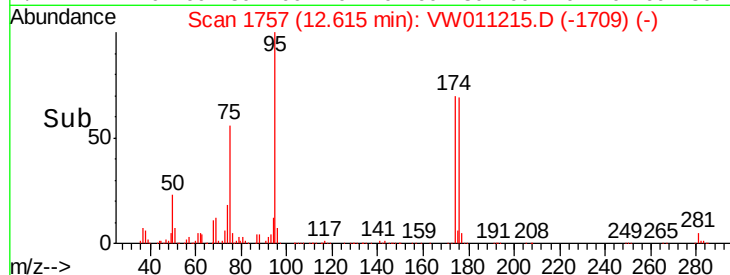
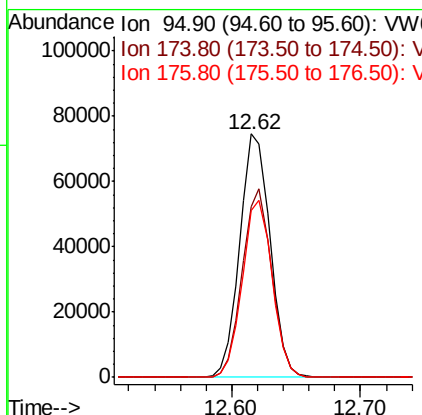
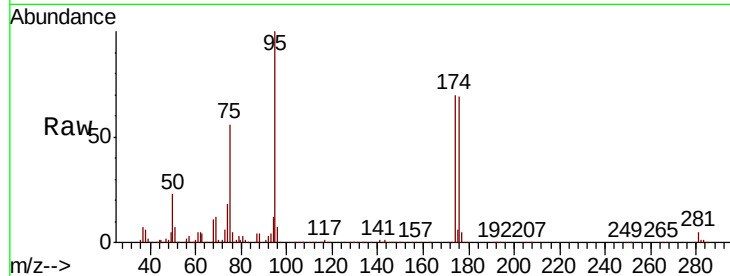




#62
4-Bromofluorobenzene
Concen: 41.926 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011215.D
Acq: 11 Jul 2019 03:11

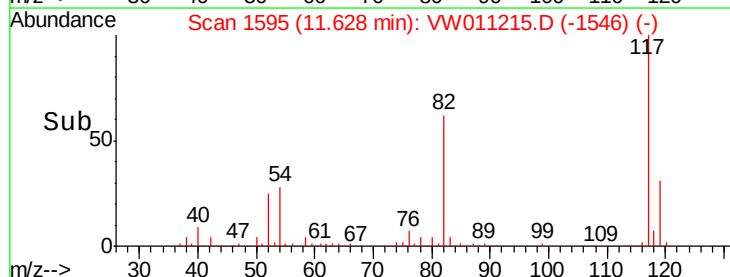
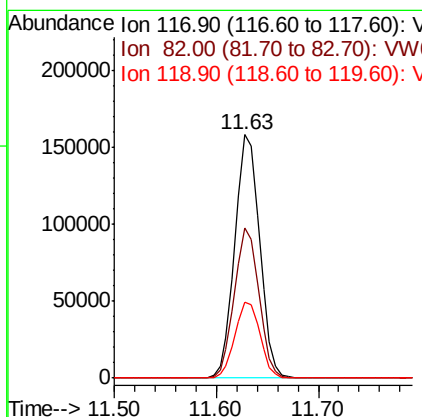
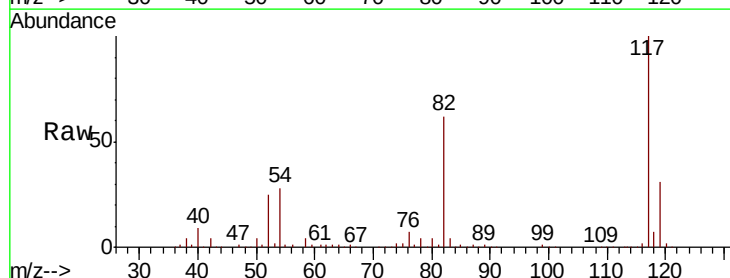
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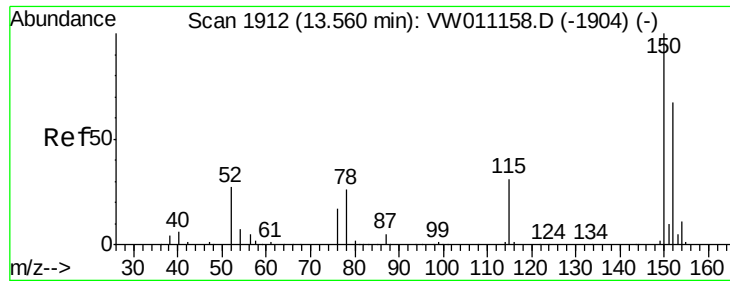
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	147.6
176	71.6	0.0	144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011215.D
Acq: 11 Jul 2019 03:11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.6	48.9	73.3
119	31.0	25.0	37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011215.D

Acq: 11 Jul 2019 03:11

Instrument :

MSVOA_W

ClientSampleId :

OK-03-071019-A

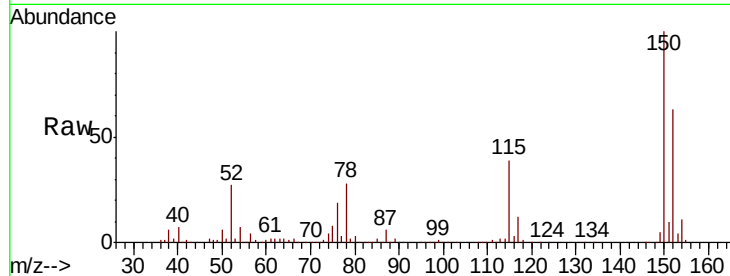
Tot Ion:152 Resp: 98236

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.3

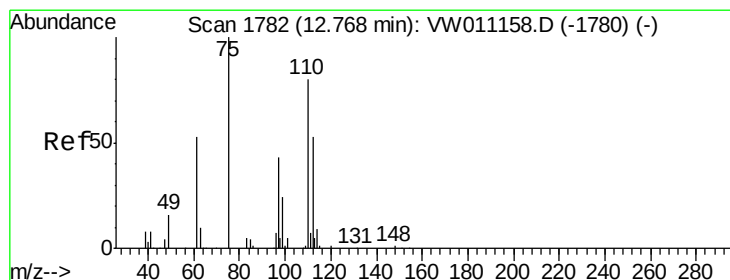
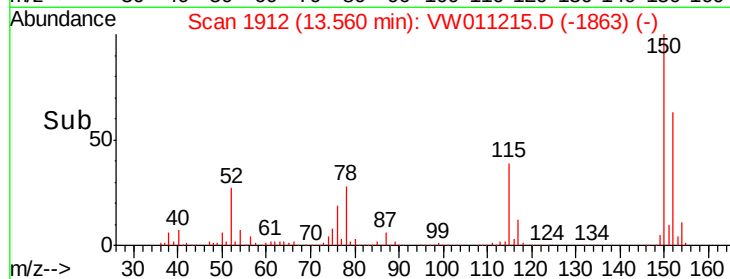
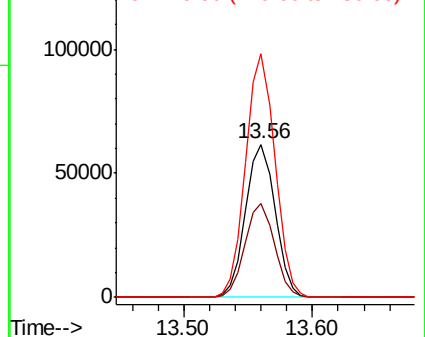
150 157.7 0.0 346.0



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: 57.596 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011215.D

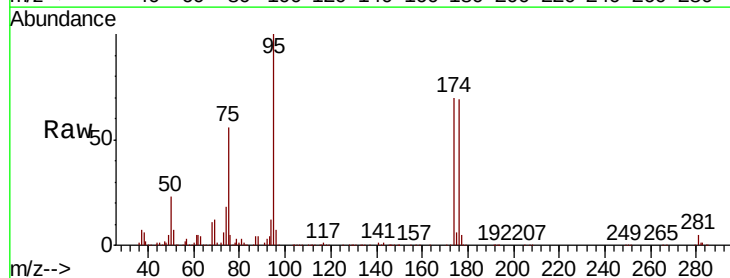
Acq: 11 Jul 2019 03:11

Tgt Ion: 75 Resp: 65385

Ion Ratio Lower Upper

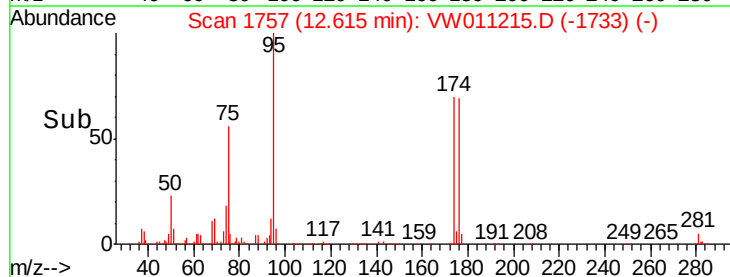
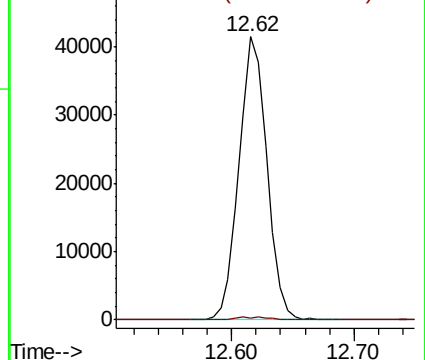
75 100

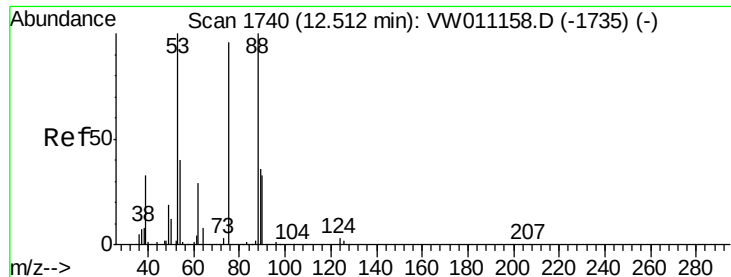
77 1.2 0.0 0.0#



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: 130.270 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011215.D

Acq: 11 Jul 2019 03:11

Instrument :

MSVOA_W

ClientSampleId :

OK-03-071019-A

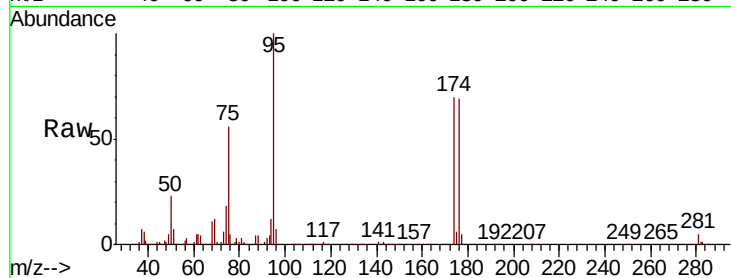
Tot Ion: 75 Resp: 65385

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.0 34.3 51.5#



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

