

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\
 Data File : VW011096.D
 Acq On : 01 Jul 2019 20:15
 Operator : SY/VA
 Sample : K3158-09RE
 Misc : 6.14G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-062819RE

Quant Time: Jul 02 08:38:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	196182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	340017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	262626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	85636	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	135836	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
35) Dibromofluoromethane	7.88	113	102863	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	10.32	98	405664	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
62) 4-Bromofluorobenzene	12.62	95	116922	37.40	ug/l	0.00
Spiked Amount			Recovery	=	74.80%	

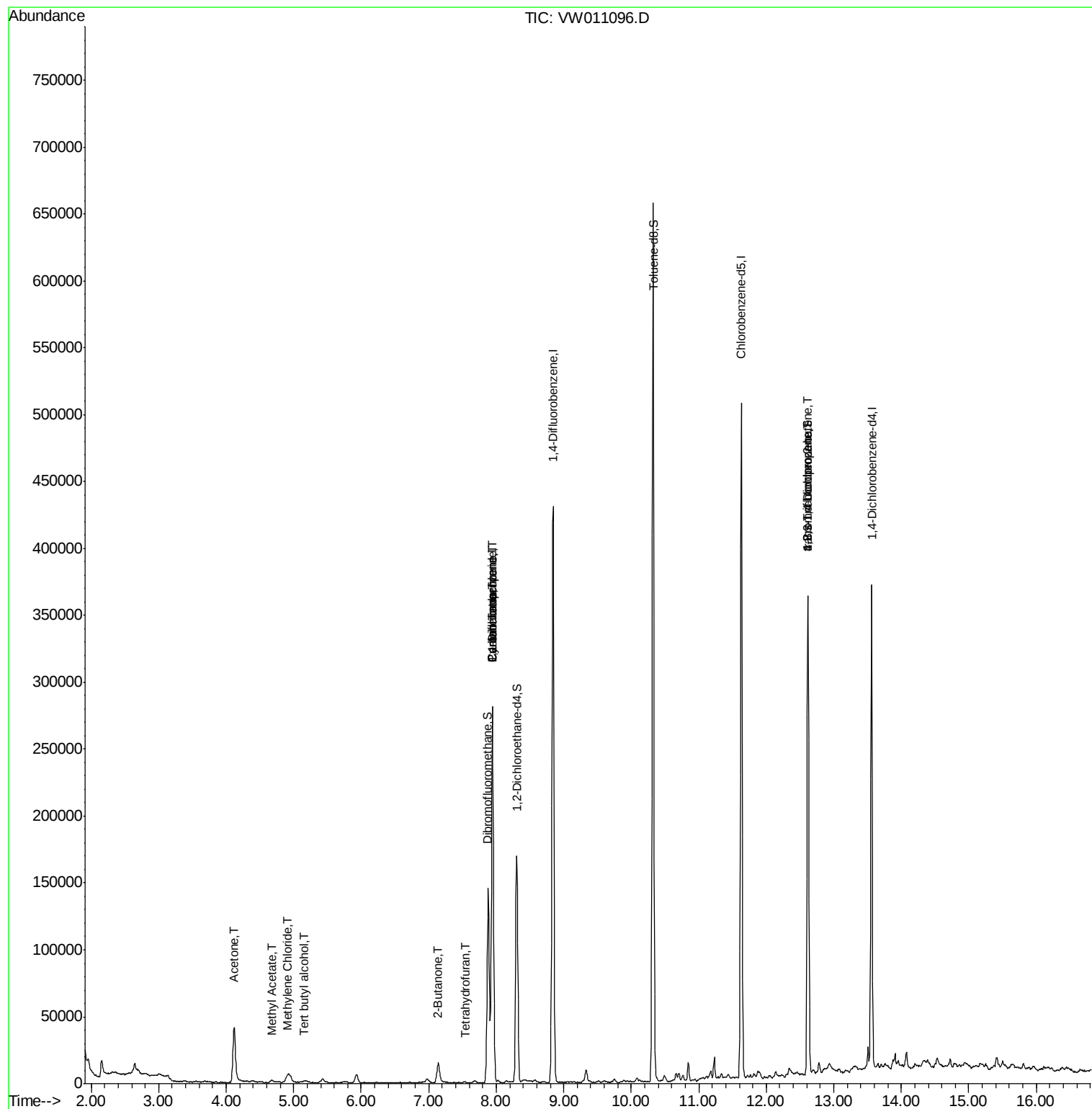
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	1086	5.830	ug/l #	82
16) Acetone	4.12	43	75672	120.880	ug/l	98
18) Methyl Acetate	4.68	43	3400	2.097	ug/l	99
20) Methylene Chloride	4.91	84	3996	1.571	ug/l	85
25) 2-Butanone	7.13	43	995	1.046	ug/l #	54
29) Tetrahydrofuran	7.55	42	608	1.026	ug/l #	50
31) Cyclohexane	7.94	56	6473	1.319	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17978	4.919	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19722	6.553	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	63718	70.477	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63718	141.755	ug/l #	3

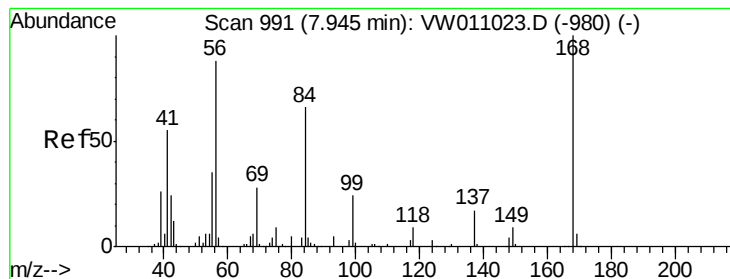
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070119\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011096.D

Acq: 01 Jul 2019 20:15

Instrument :

MSVOA_W

ClientSampleId :

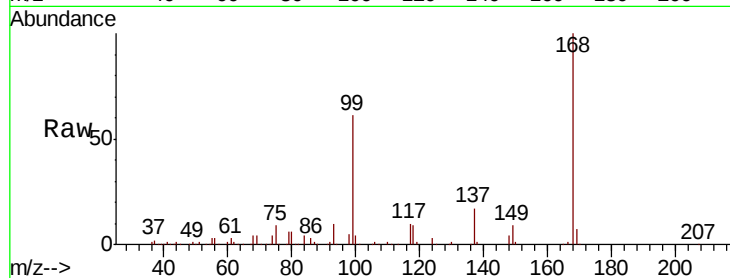
OK-01-062819RE

Tot Ion:168 Resp: 196182

Ion Ratio Lower Upper

168 100

99 61.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

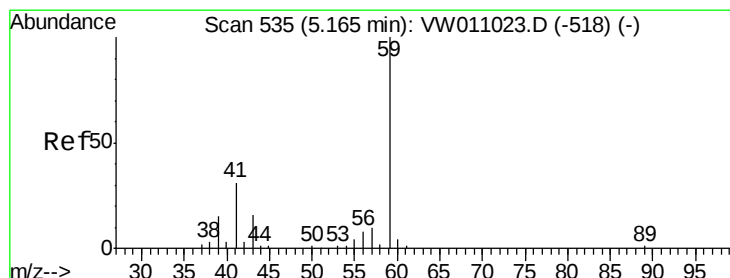
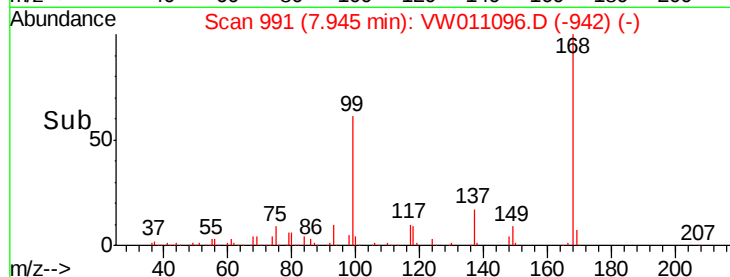
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.830 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW011096.D

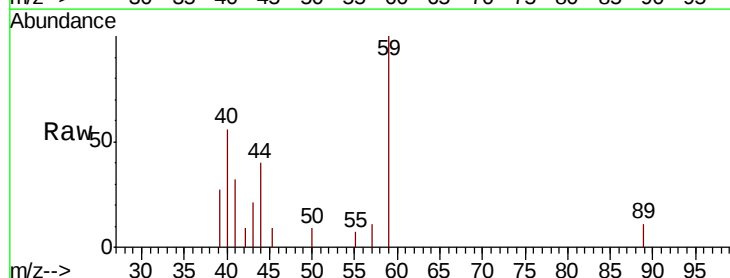
Acq: 01 Jul 2019 20:15

Tgt Ion: 59 Resp: 1086

Ion Ratio Lower Upper

59 100

57 18.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

800

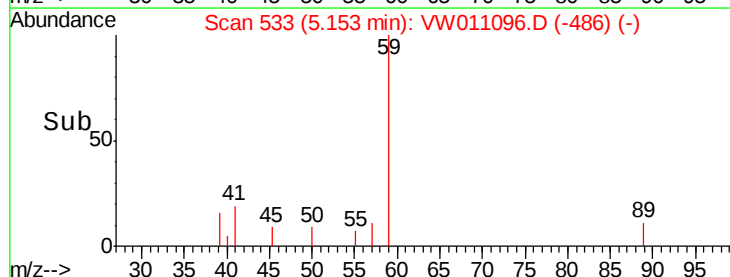
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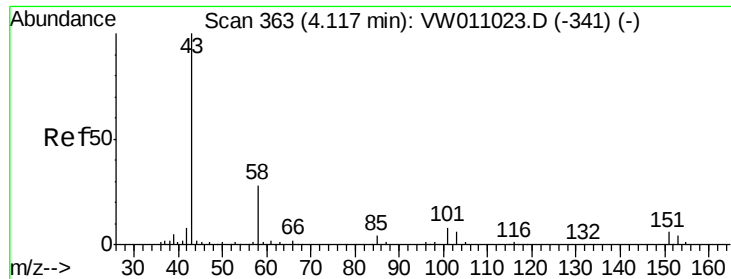
400

200

0

Time-->





#16

Acetone

Concen: 120.880 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011096.D

Acq: 01 Jul 2019 20:15

Instrument :

MSVOA_W

ClientSampleId :

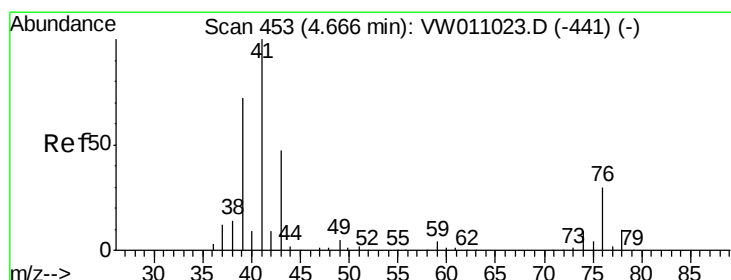
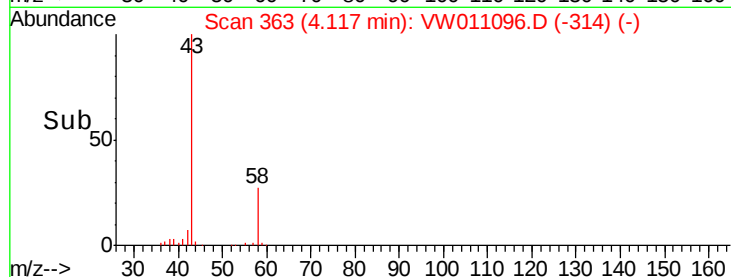
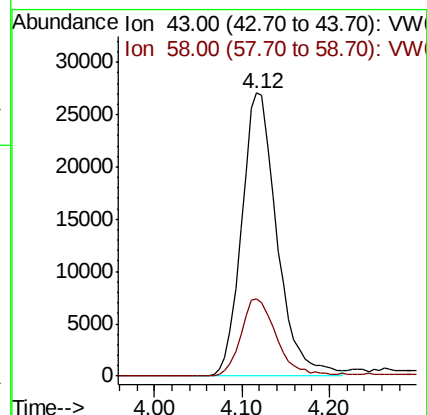
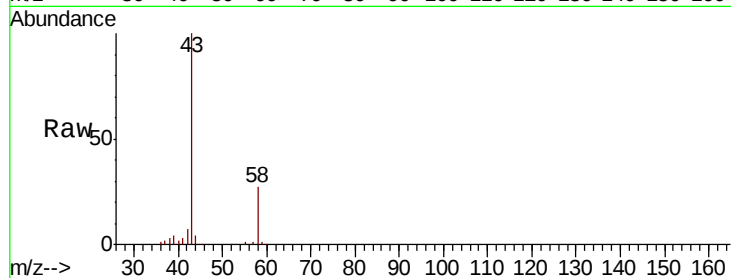
OK-01-062819RE

Tot Ion: 43 Resp: 75672

Ion Ratio Lower Upper

43 100

58 27.3 22.5 33.7



#18

Methyl Acetate

Concen: 2.097 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.02 min

Lab File: VW011096.D

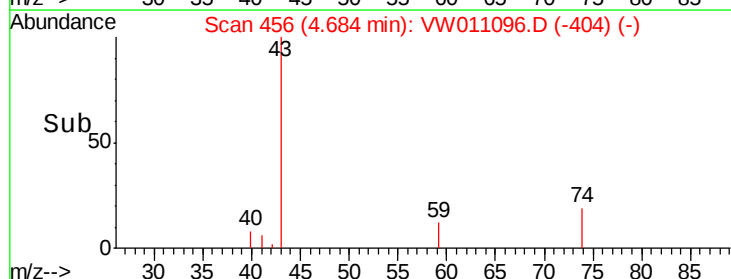
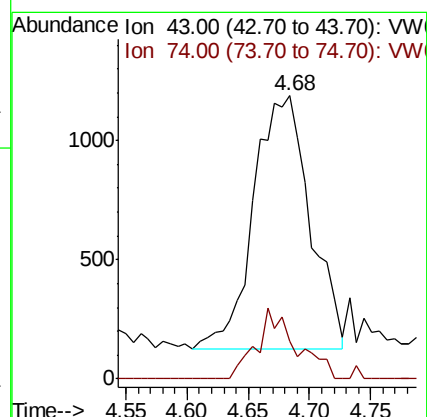
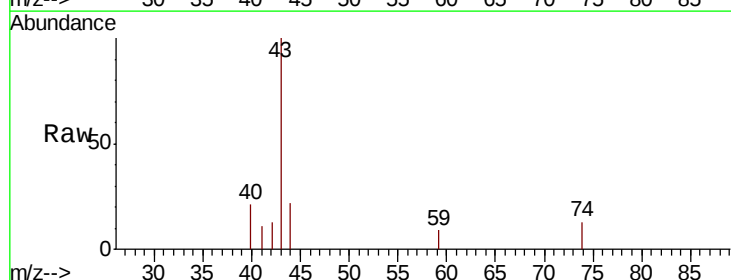
Acq: 01 Jul 2019 20:15

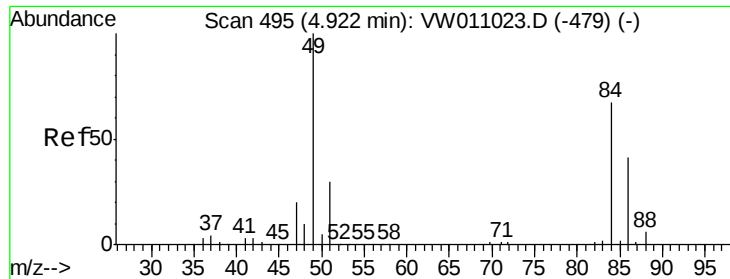
Tgt Ion: 43 Resp: 3400

Ion Ratio Lower Upper

43 100

74 19.6 15.8 23.8

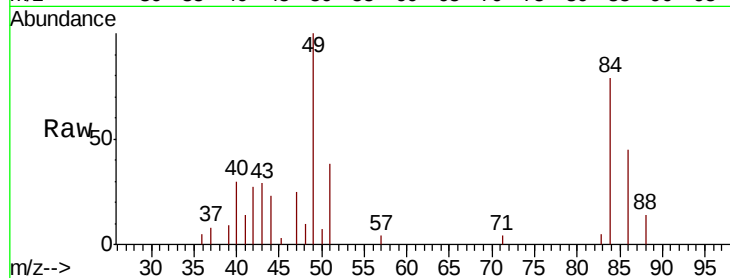




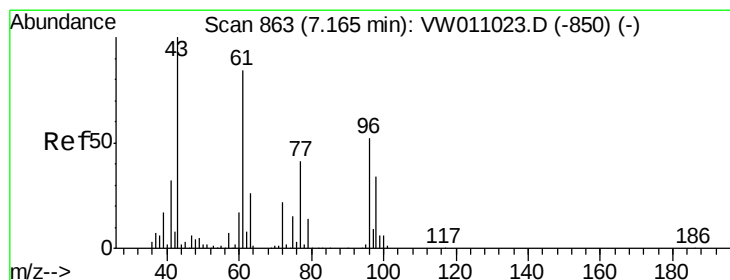
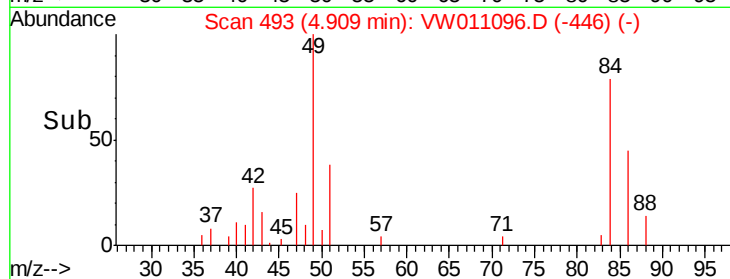
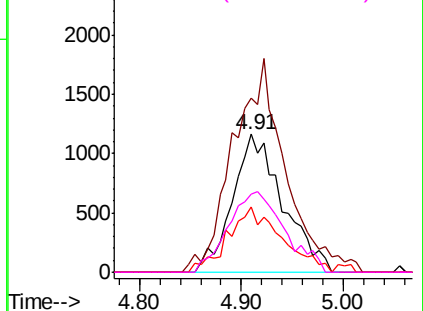
#20
Methvlene Chloride
Concen: 1.571 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011096.D
Acq: 01 Jul 2019 20:15

Instrument :
MSVOA_W
ClientSampleId :
OK-01-062819RE

Tot Ion: 84 Resp: 3996
Ion Ratio Lower Upper
84 100
49 121.5 119.6 179.4
51 47.6 35.6 53.4
86 56.7 49.0 73.6

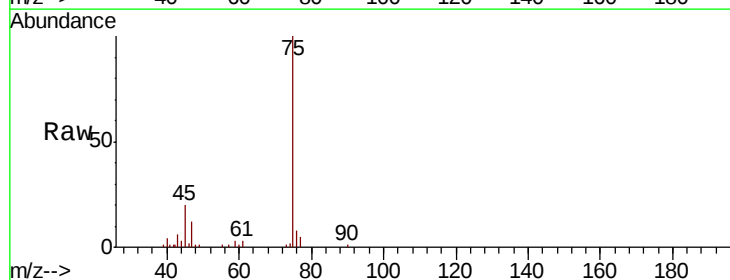


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

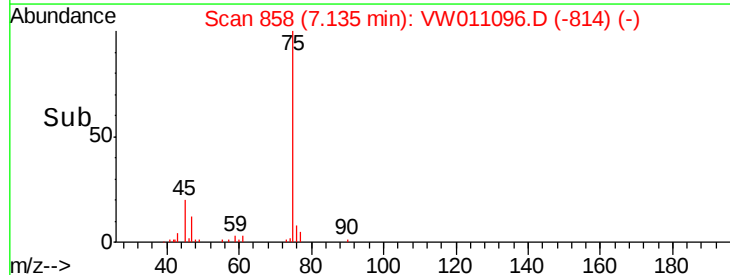
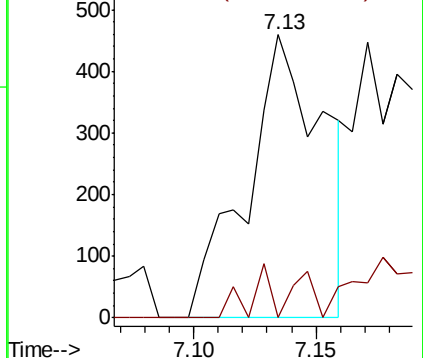


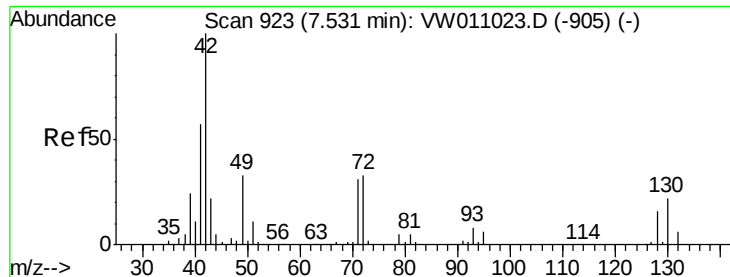
#25
2-Butanone
Concen: 1.046 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW011096.D
Acq: 01 Jul 2019 20:15

Tgt Ion: 43 Resp: 995
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#



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

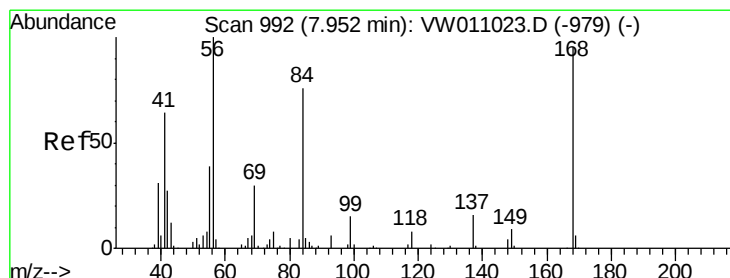
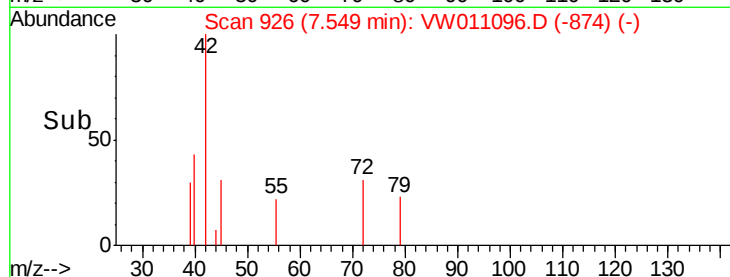
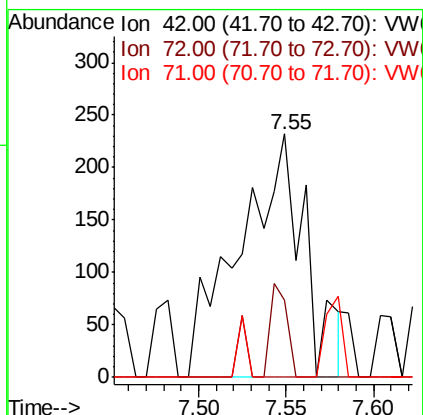
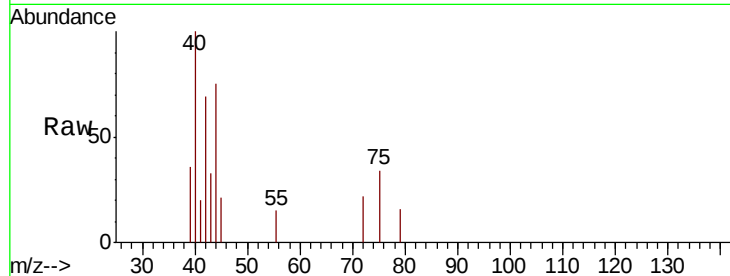




#29
Tetrahydrofuran
Concen: 1.026 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW011096.D
Acq: 01 Jul 2019 20:15

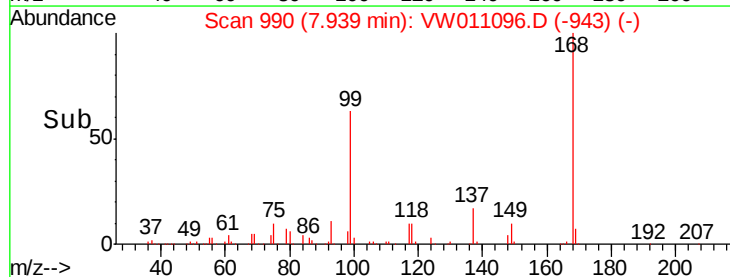
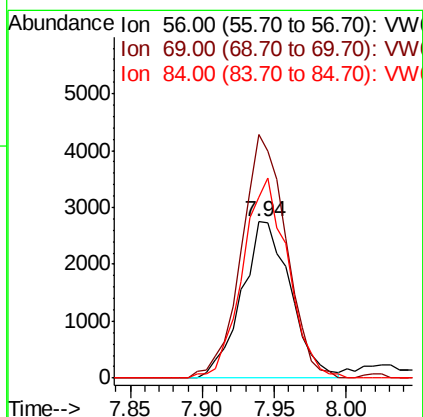
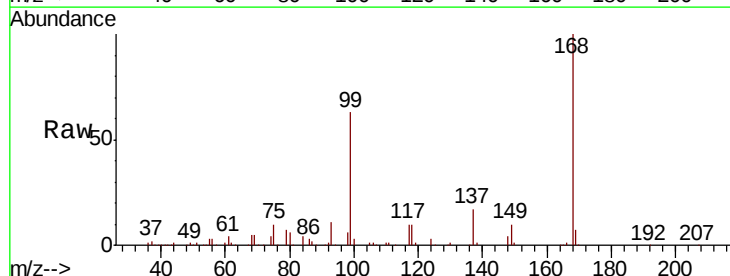
Instrument :
MSVOA_W
ClientSampleId :
OK-01-062819RE

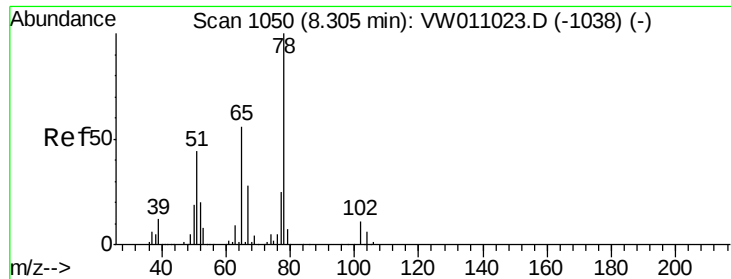
Tot Ion: 42 Resp: 608
Ion Ratio Lower Upper
42 100
72 9.9 27.4 41.0#
71 0.0 25.6 38.4#



#31
Cyclohexane
Concen: 1.319 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011096.D
Acq: 01 Jul 2019 20:15

Tgt Ion: 56 Resp: 6473
Ion Ratio Lower Upper
56 100
69 155.9 24.2 36.2#
84 115.4 60.6 90.8#

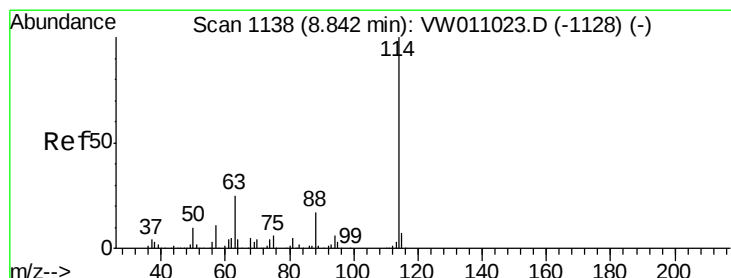
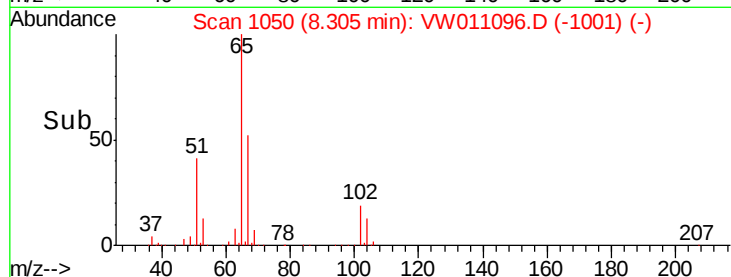
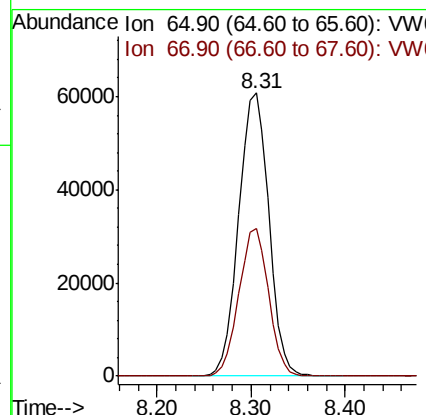
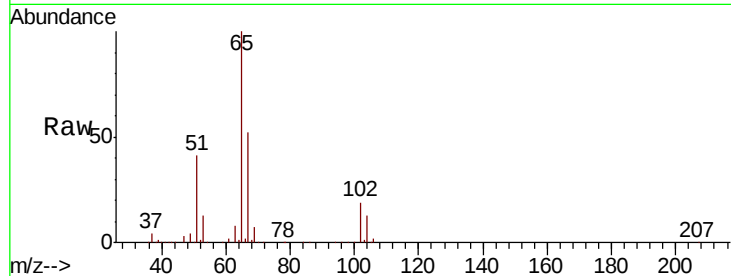




#33
 1,2-Dichloroethane-d4
 Concen: 52.965 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011096.D
 Acq: 01 Jul 2019 20:15

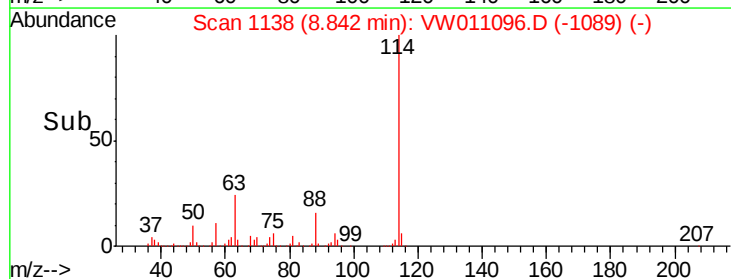
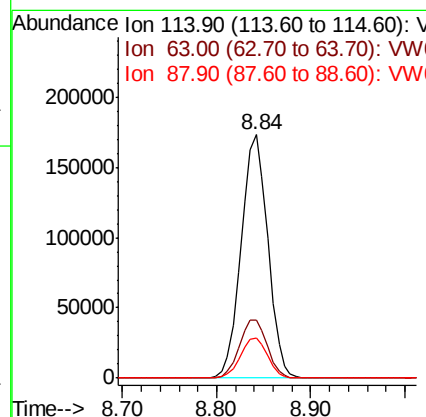
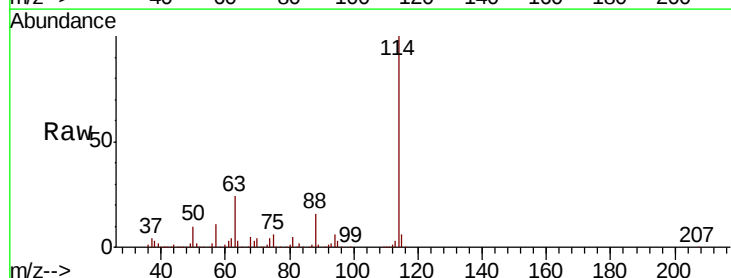
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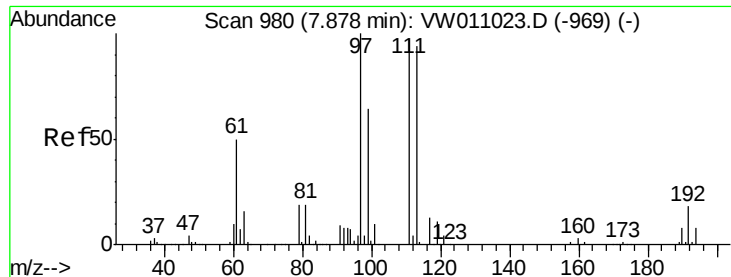
Tot Ion: 65 Resp: 135836
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011096.D
 Acq: 01 Jul 2019 20:15

Tgt Ion: 114 Resp: 340017
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 50.6
 88 16.4 0.0 34.0

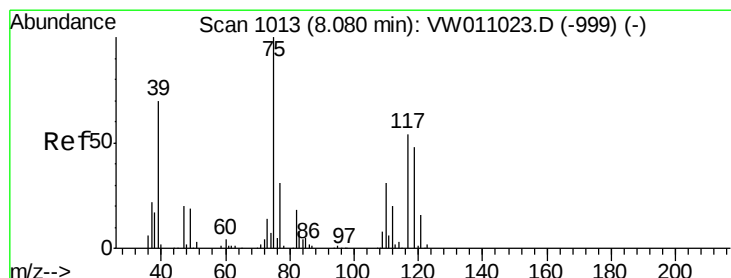
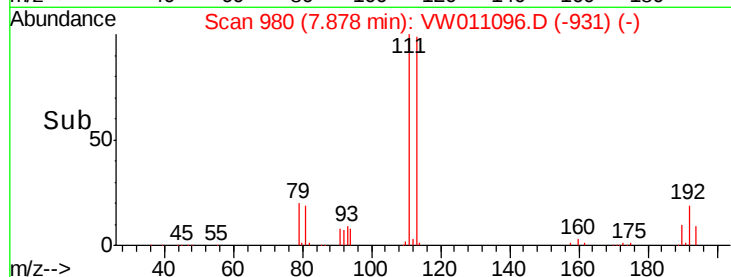
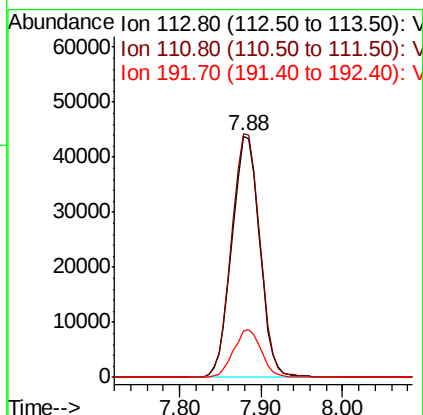
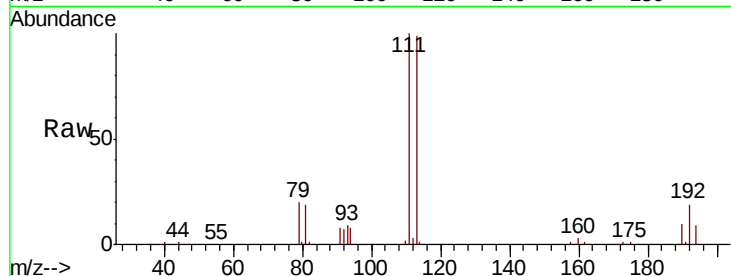




#35
 Dibromofluoromethane
 Concen: 49.542 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW011096.D
 Acq: 01 Jul 2019 20:15

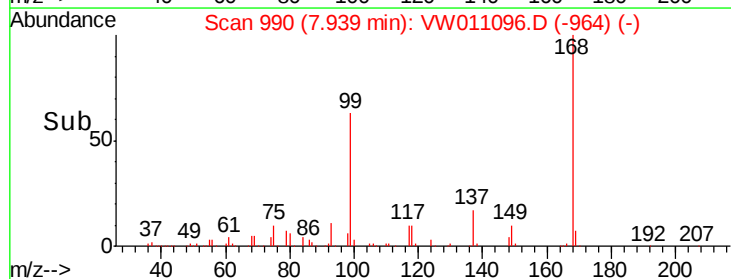
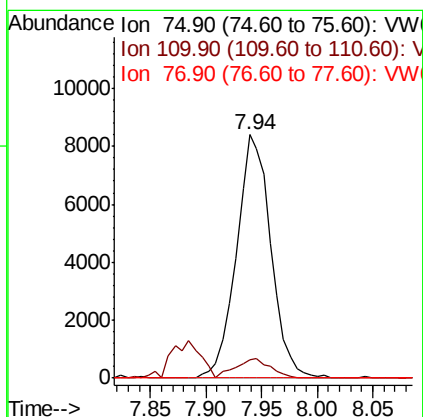
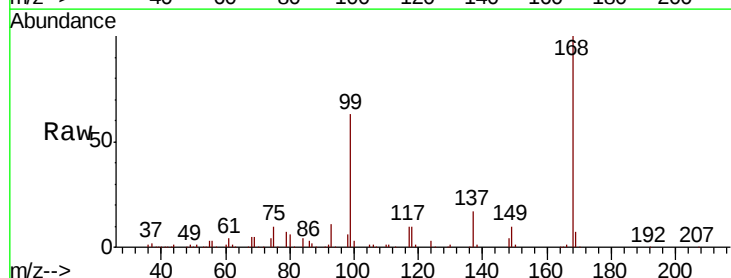
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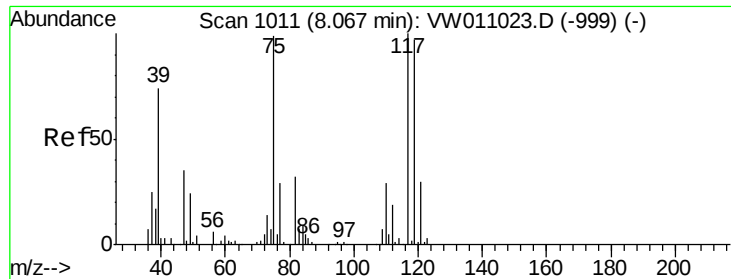
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.8	125.6
192	19.5	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 4.919 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011096.D
 Acq: 01 Jul 2019 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	15.5	46.5#
77	0.0	24.9	37.3#

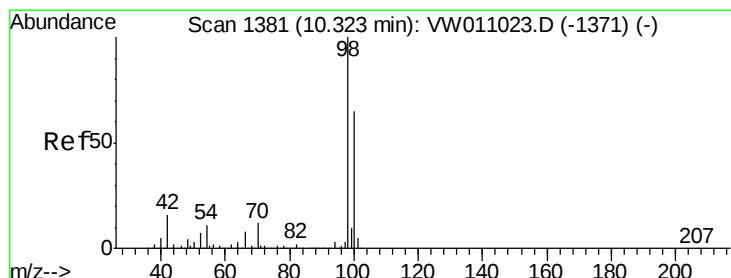
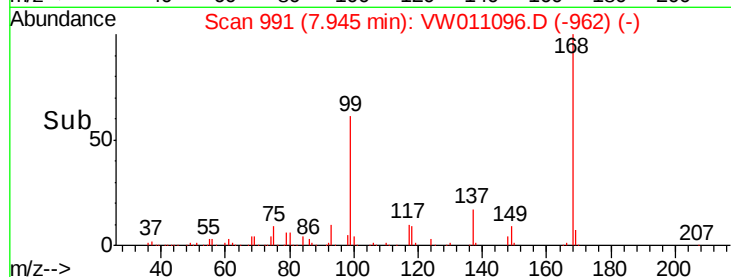
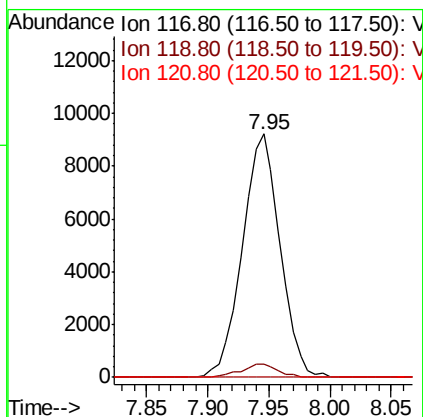
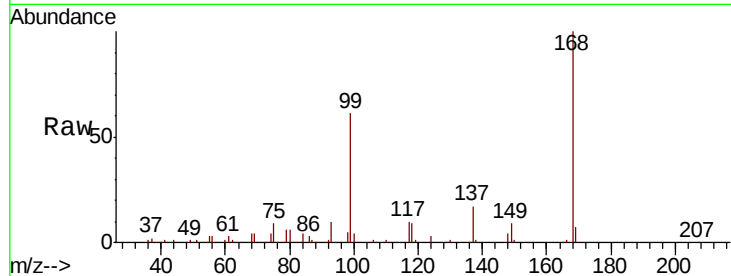




#38
Carbon Tetrachloride
Concen: 6.553 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011096.D
Acq: 01 Jul 2019 20:15

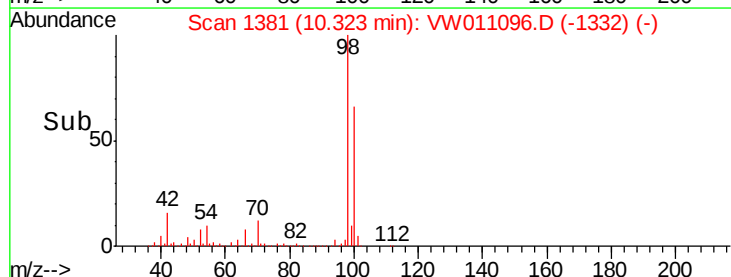
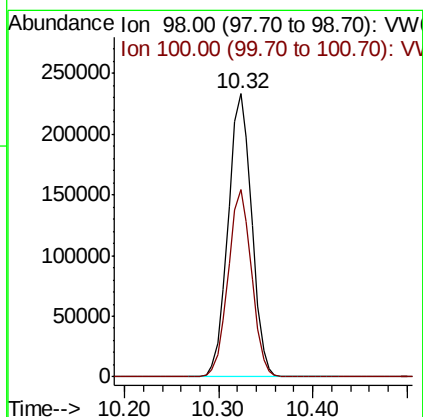
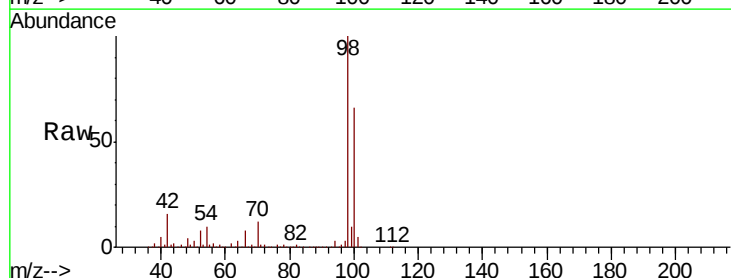
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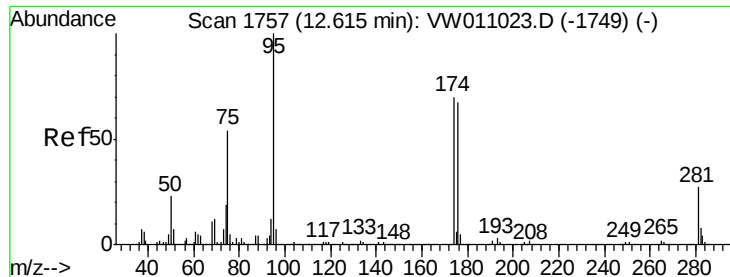
Tot Ion:117 Resp: 19722
Ion Ratio Lower Upper
117 100
119 5.5 77.7 116.5#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 47.465 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011096.D
Acq: 01 Jul 2019 20:15

Tgt Ion: 98 Resp: 405664
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5

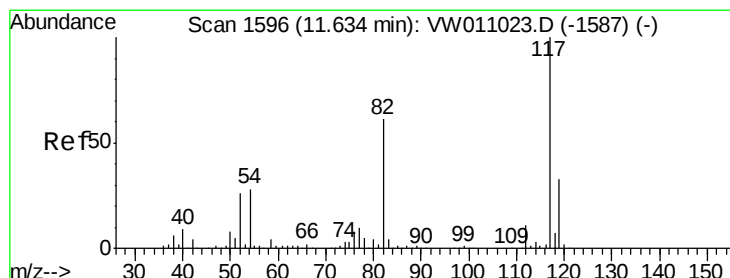
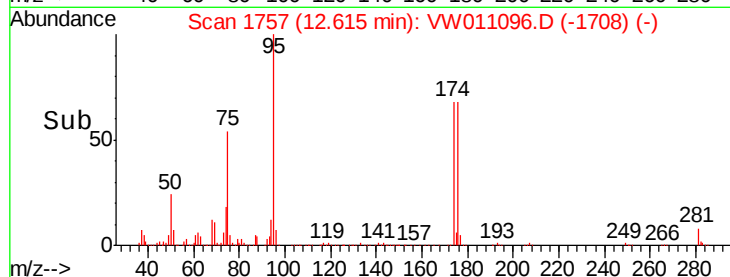
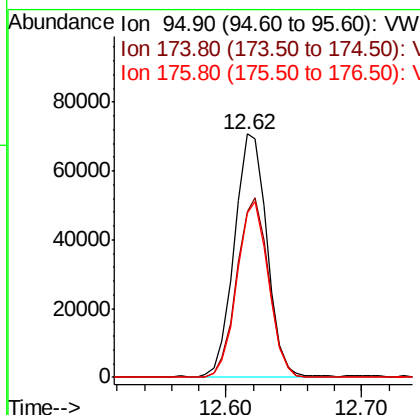
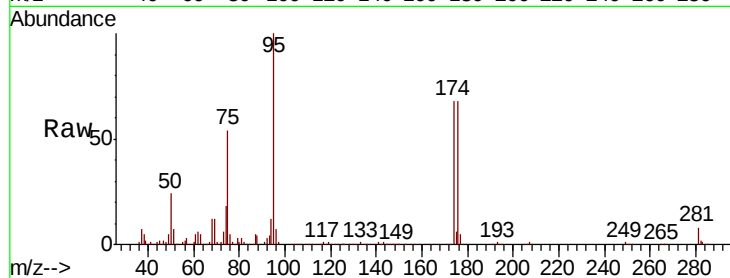




#62
4-Bromofluorobenzene
Concen: 37.404 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011096.D
Acq: 01 Jul 2019 20:15

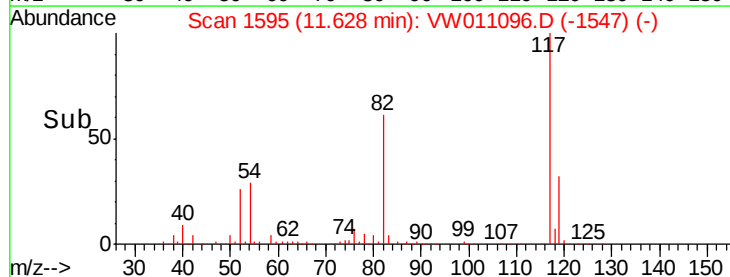
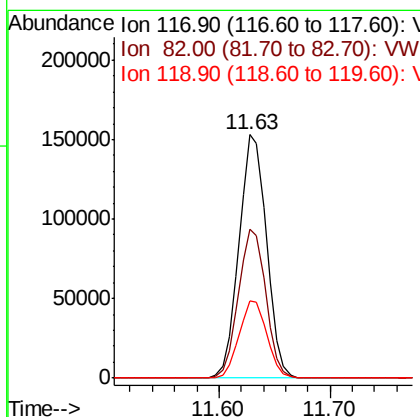
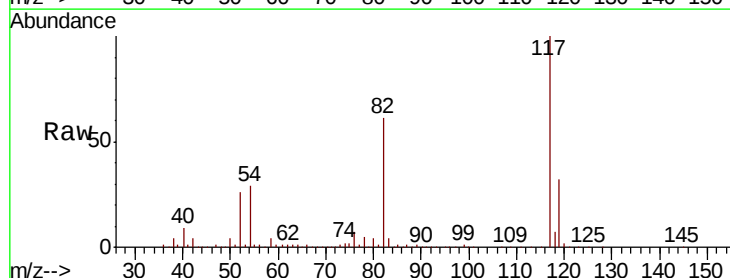
Instrument :
MSVOA_W
ClientSampleId :
OK-01-062819RE

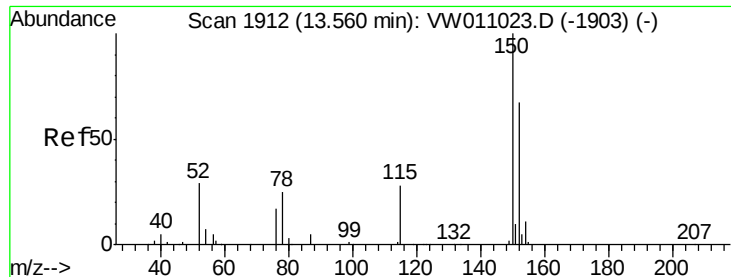
Tot Ion: 95 Resp: 116922
Ion Ratio Lower Upper
95 100
174 72.7 0.0 149.2
176 70.1 0.0 143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011096.D
Acq: 01 Jul 2019 20:15

Tgt Ion: 117 Resp: 262626
Ion Ratio Lower Upper
117 100
82 61.3 48.6 73.0
119 31.8 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011096.D

Acq: 01 Jul 2019 20:15

Instrument :

MSVOA_W

ClientSampleId :

OK-01-062819RE

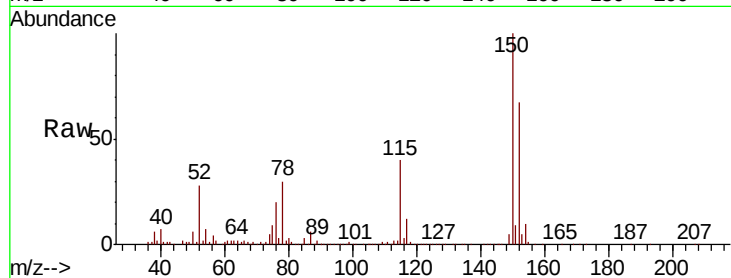
Tot Ion:152 Resp: 85636

Ion Ratio Lower Upper

152 100

115 61.0 30.7 92.1

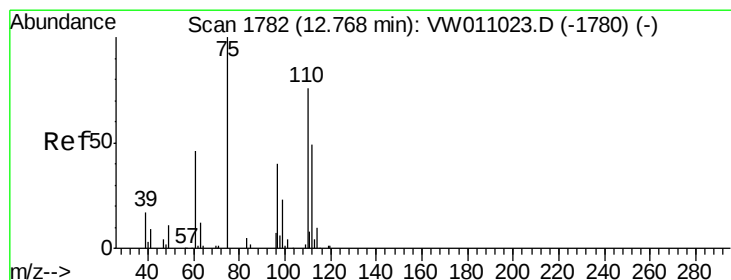
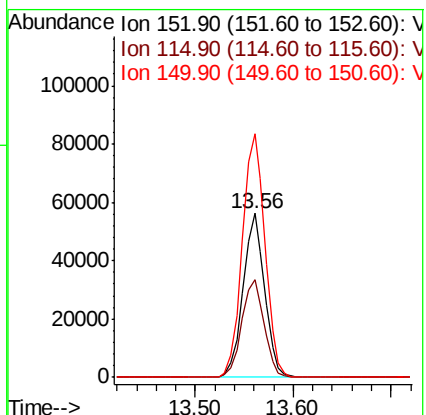
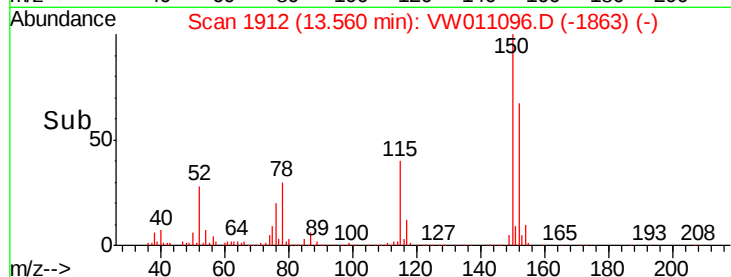
150 156.3 0.0 341.8



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: 70.477 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011096.D

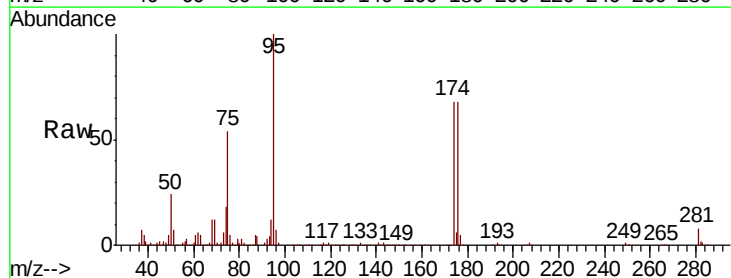
Acq: 01 Jul 2019 20:15

Tgt Ion: 75 Resp: 63718

Ion Ratio Lower Upper

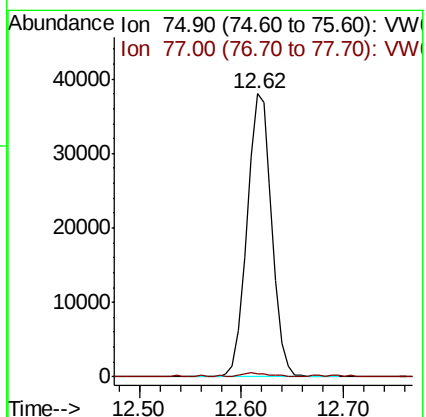
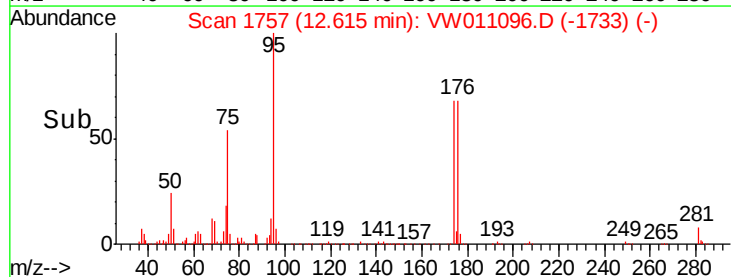
75 100

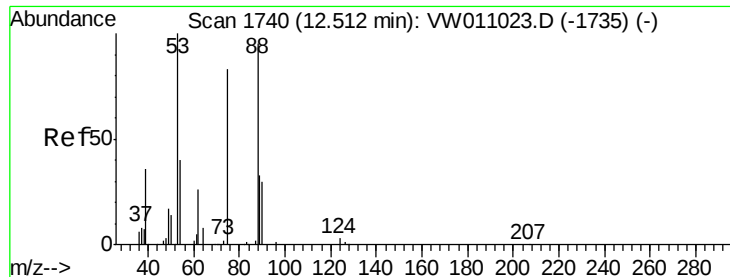
77 1.4 0.0 0.0#



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: 141.755 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011096.D

Acq: 01 Jul 2019 20:15

Instrument :

MSVOA_W

ClientSampleId :

OK-01-062819RE

Tot Ion: 75 Resp: 63718

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 34.4 51.6#

