

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091119\
 Data File : VW012919.D
 Acq On : 11 Sep 2019 16:01
 Operator : SY/VA
 Sample : K4683-03
 Misc : 4.54G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190665-LOCATION-3

Quant Time: Sep 17 03:32:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	229198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	343195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	104502	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	127930	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
35) Dibromofluoromethane	7.88	113	100044	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	10.32	98	399688	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.62	95	124053	42.75	ug/l	0.00
Spiked Amount			Recovery	=	85.50%	

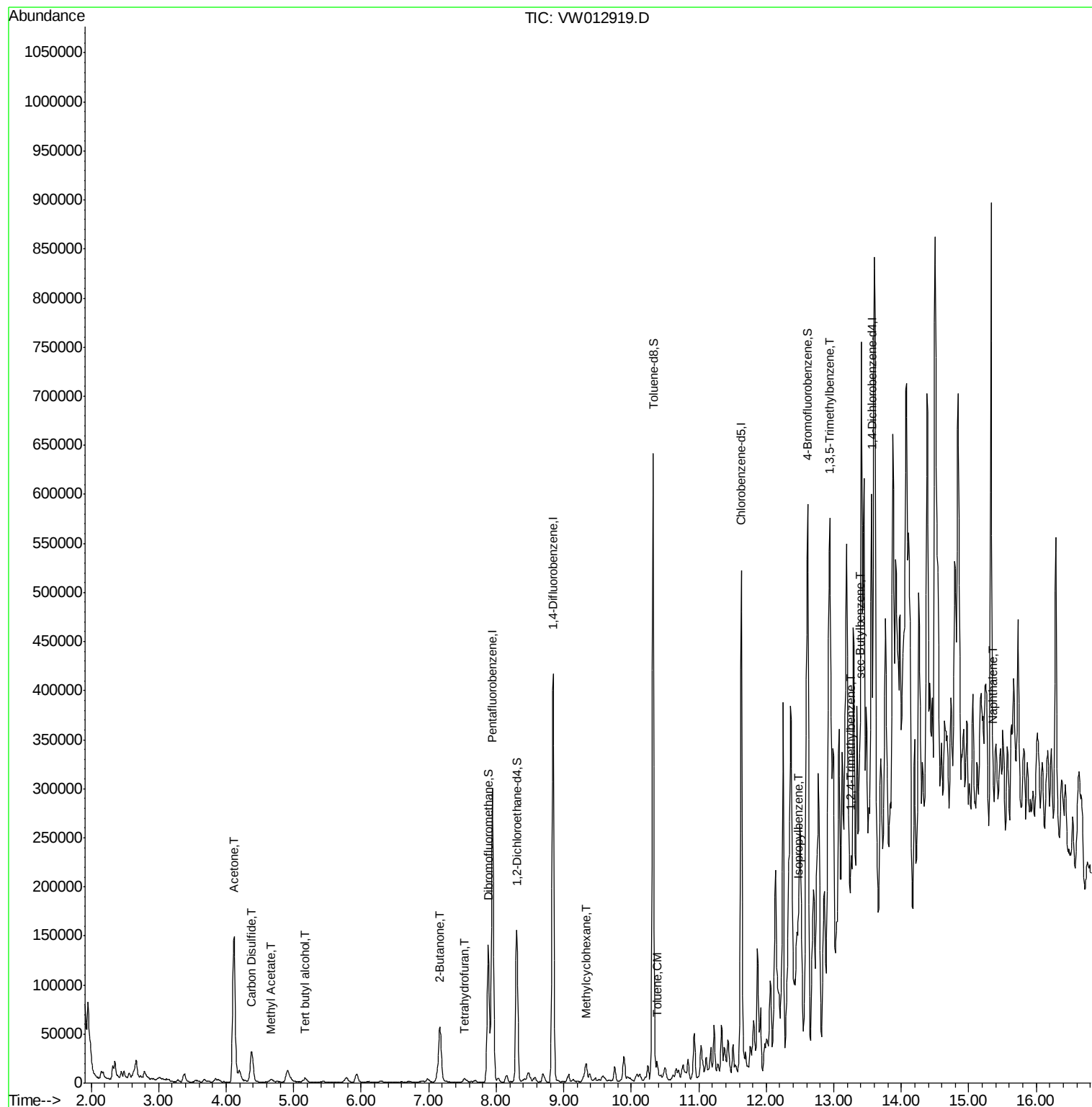
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	7953	40.590	ug/l #	91
16) Acetone	4.12	43	264218	378.453	ug/l	98
17) Carbon Disulfide	4.38	76	70783	17.618	ug/l	99
18) Methyl Acetate	4.67	43	6607	4.034	ug/l	94
25) 2-Butanone	7.17	43	87596	98.185	ug/l	99
29) Tetrahydrofuran	7.53	42	3087	5.475	ug/l #	85
39) Methylcyclohexane	9.34	83	5445	1.590	ug/l	94
52) Toluene	10.38	92	7510	1.422	ug/l	97
73) Isopropylbenzene	12.46	105	12860	1.716	ug/l	92
80) 1,3,5-Trimethylbenzene	12.94	105	29121	4.611	ug/l	91
84) 1,2,4-Trimethylbenzene	13.25	105	34529	5.426	ug/l	98
85) sec-Butylbenzene	13.38	105	11459	1.479	ug/l #	70
95) Naphthalene	15.36	128	31190	10.921	ug/l #	81

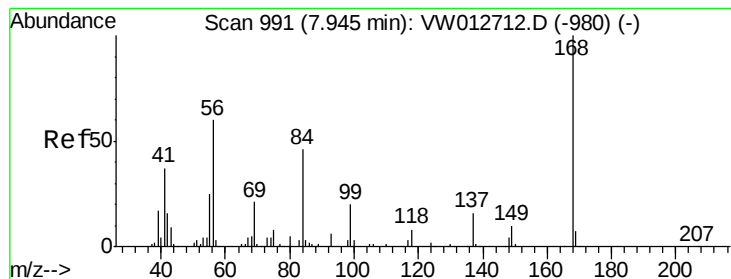
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012919.D

Acq: 11 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

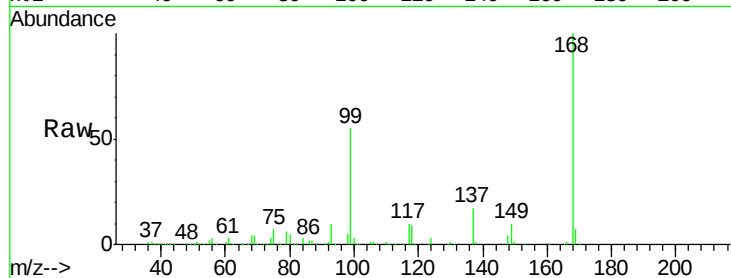
20190665-LOCATION-3

Tot Ion:168 Resp: 229198

Ion Ratio Lower Upper

168 100

99 55.2 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

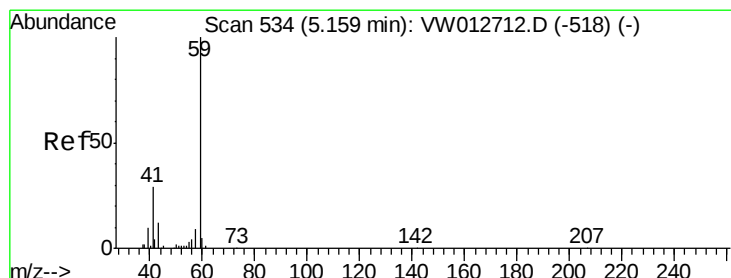
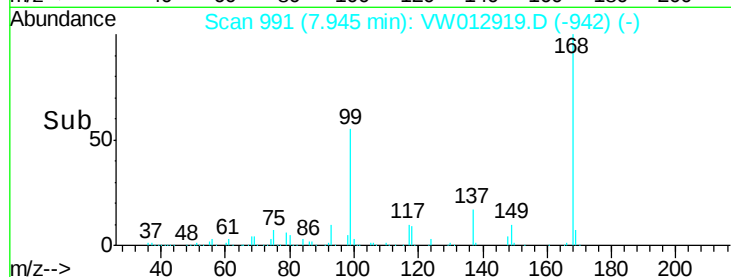
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 40.590 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW012919.D

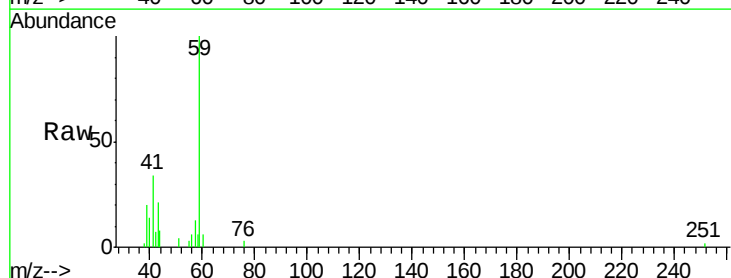
Acq: 11 Sep 2019 16:01

Tgt Ion: 59 Resp: 7953

Ion Ratio Lower Upper

59 100

57 13.8 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

2500

2000

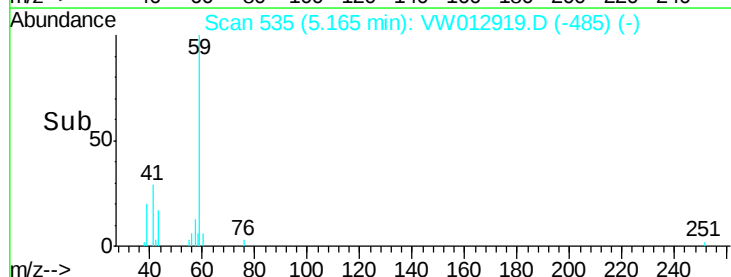
1500

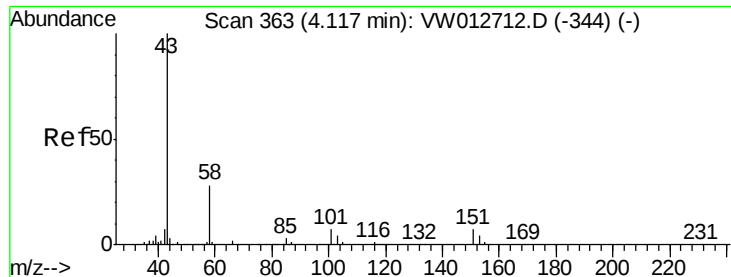
1000

500

0

Time--> 5.00 5.10 5.20 5.30





#16

Acetone

Concen: 378.453 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

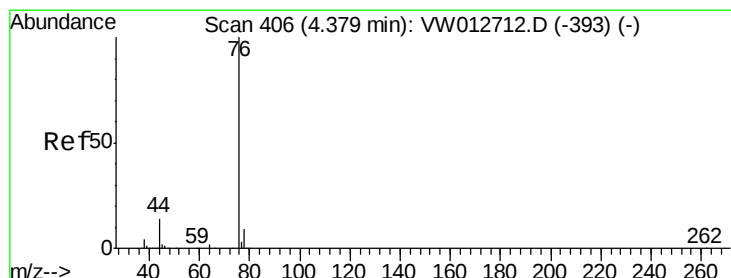
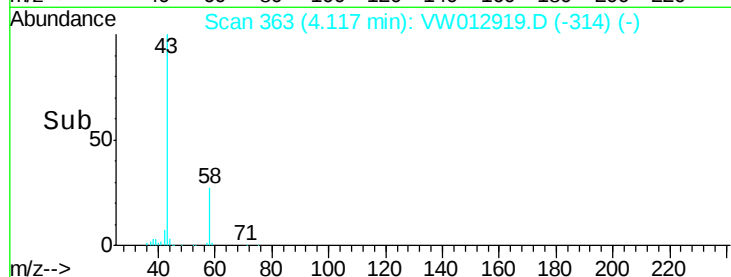
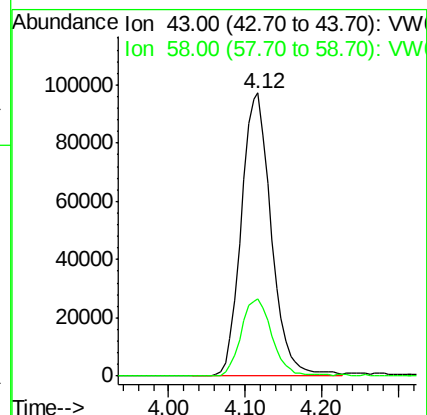
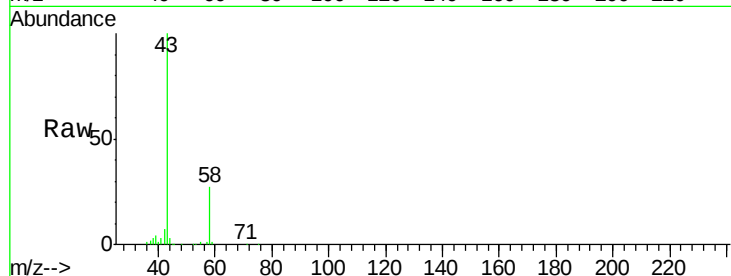
20190665-LOCATION-3

Tot Ion: 43 Resp: 264218

Ion Ratio Lower Upper

43 100

58 27.3 22.6 33.8



#17

Carbon Disulfide

Concen: 17.618 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW012919.D

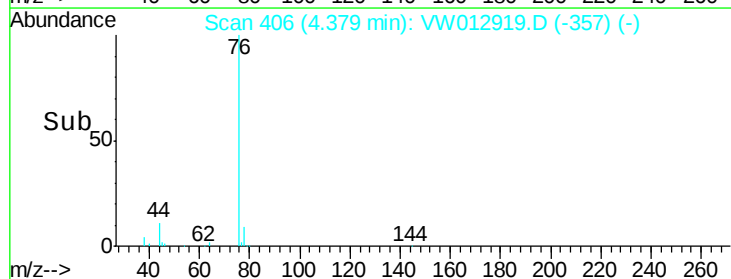
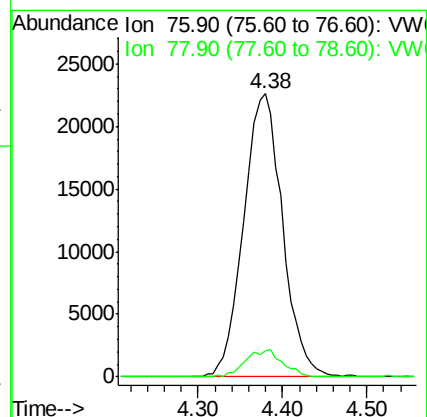
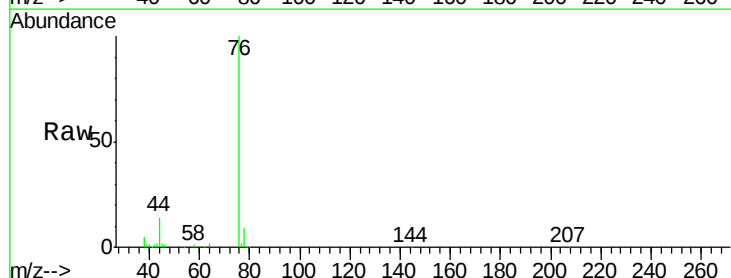
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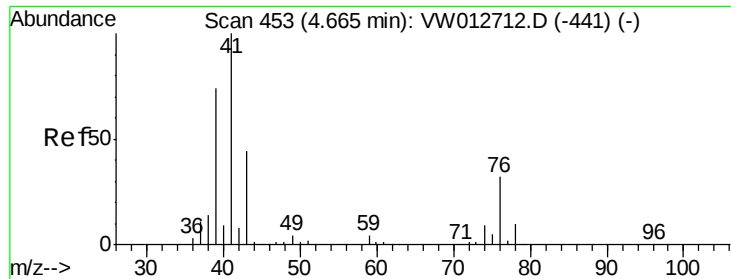
Tgt Ion: 76 Resp: 70783

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

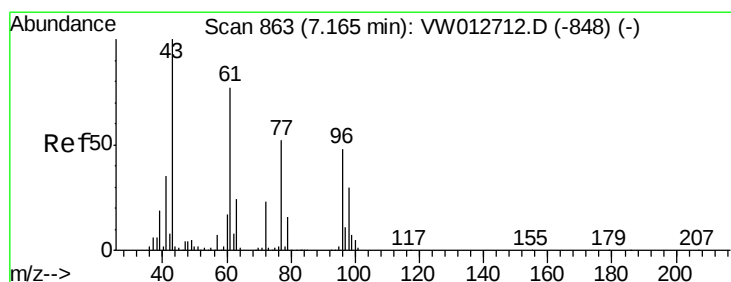
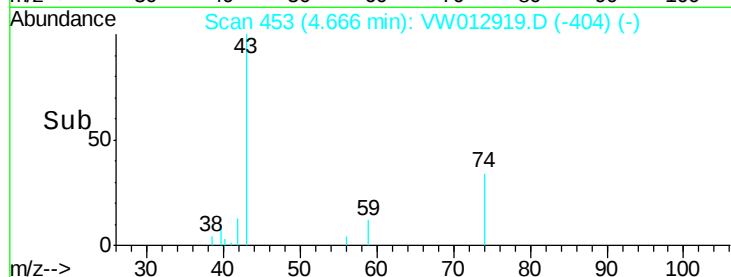
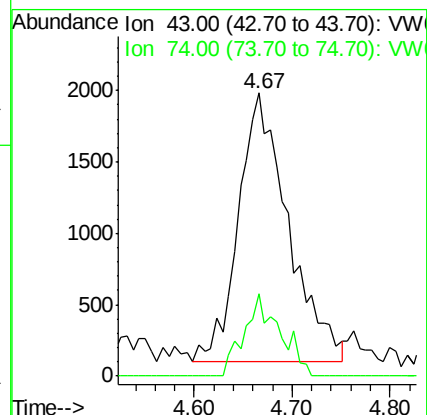
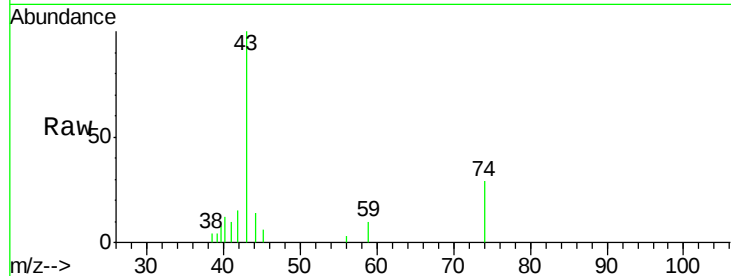




#18
Methyl Acetate
Concen: 4.034 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012919.D
Acq: 11 Sep 2019 16:01

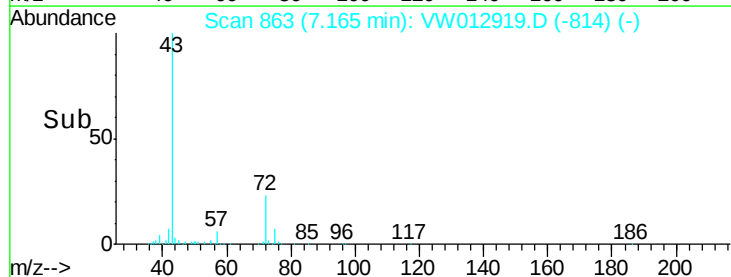
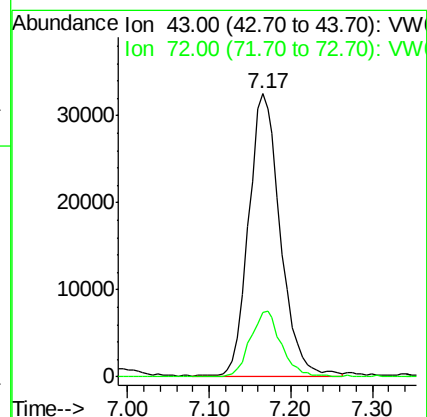
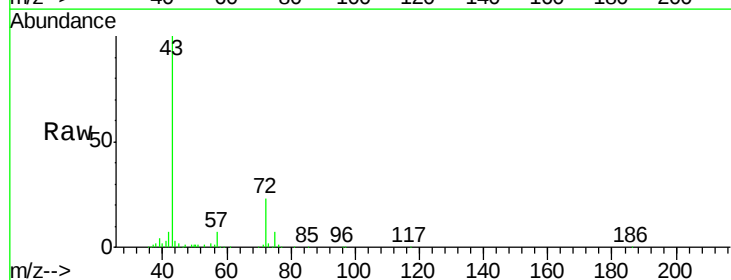
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MSVOA_W
ClientSampleId :
20190665-LOCATION-3

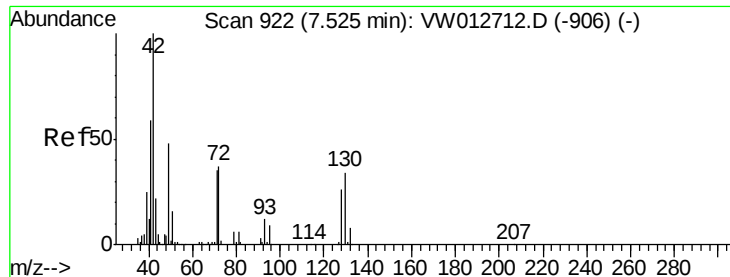
Tot Ion: 43 Resp: 6607
Ion Ratio Lower Upper
43 100
74 22.3 15.8 23.6



#25
2-Butanone
Concen: 98.185 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW012919.D
Acq: 11 Sep 2019 16:01

Tgt Ion: 43 Resp: 87596
Ion Ratio Lower Upper
43 100
72 22.9 18.0 27.0

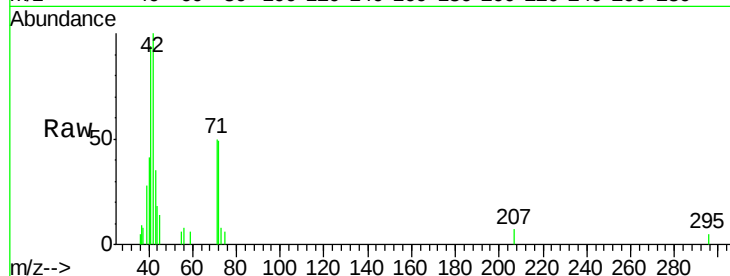




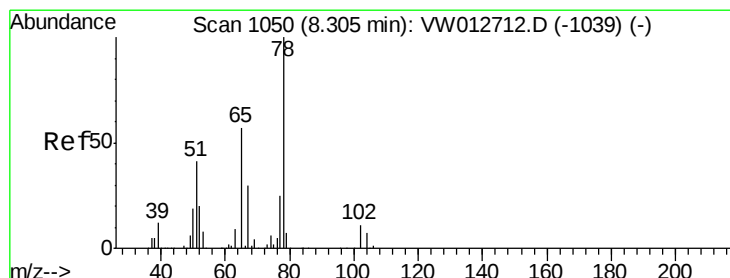
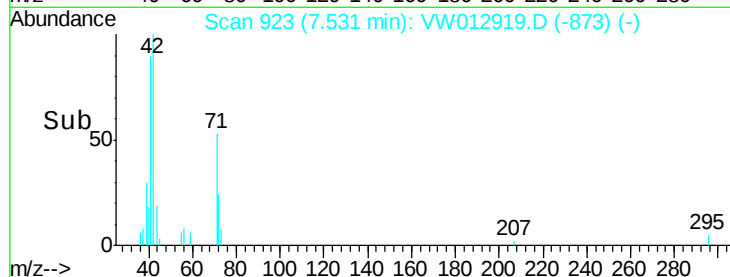
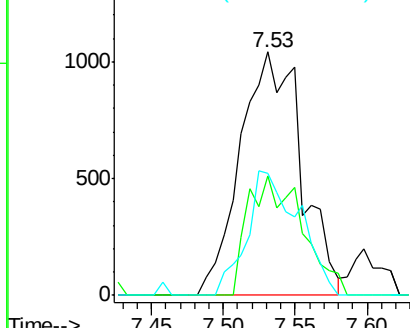
#29
Tetrahydrofuran
Concen: 5.475 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012919.D
Acq: 11 Sep 2019 16:01

Instrument :
MSVOA_W
ClientSampleId :
20190665-LOCATION-3

Tot Ion: 42 Resp: 3087
Ion Ratio Lower Upper
42 100
72 43.5 28.4 42.6#
71 43.3 27.1 40.7#

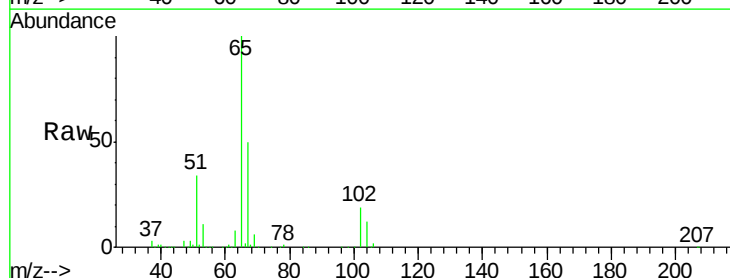


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

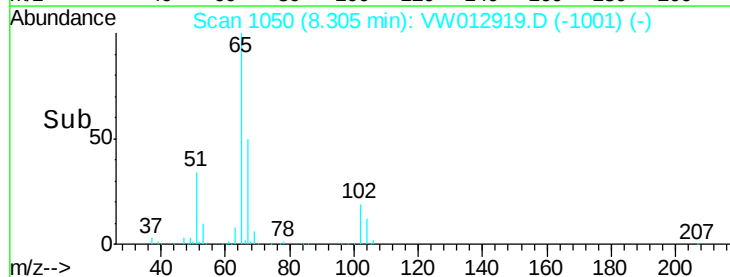
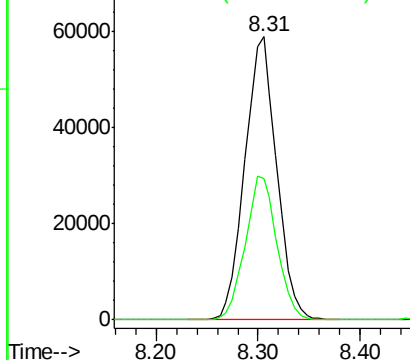


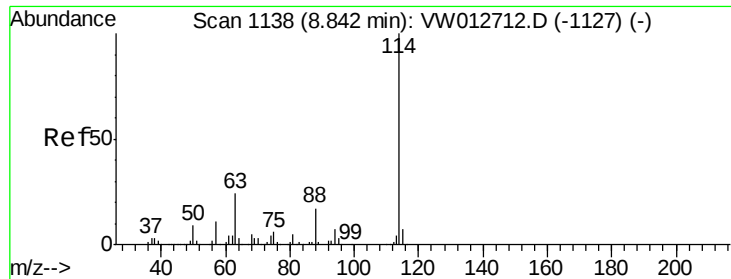
#33
1,2-Dichloroethane-d4
Concen: 49.955 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012919.D
Acq: 11 Sep 2019 16:01

Tgt Ion: 65 Resp: 127930
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

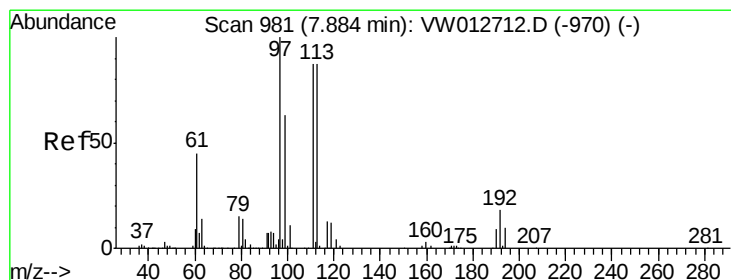
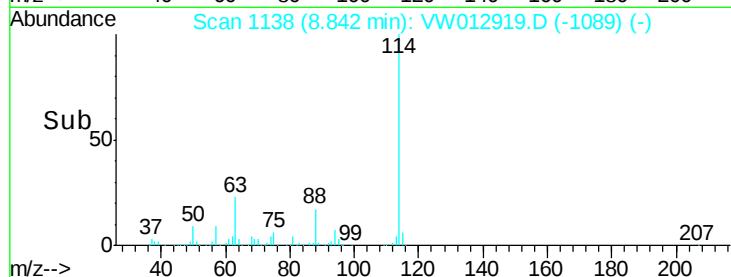
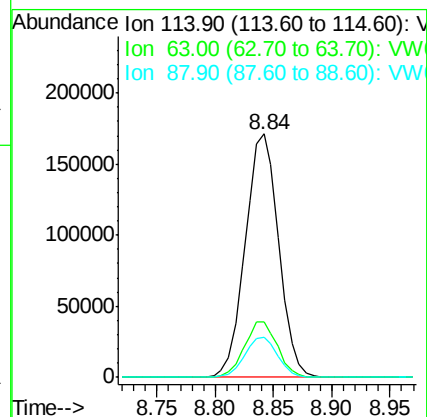
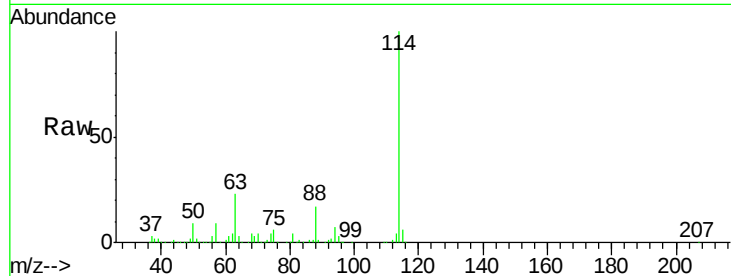




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012919.D
 Acq: 11 Sep 2019 16:01

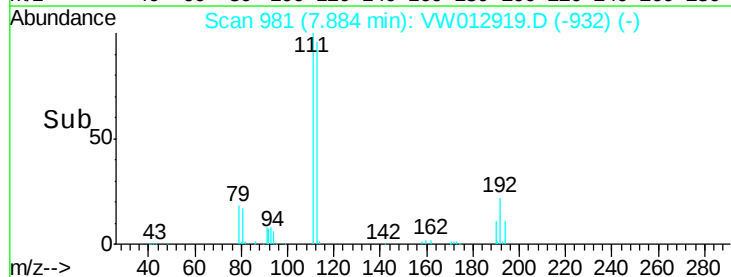
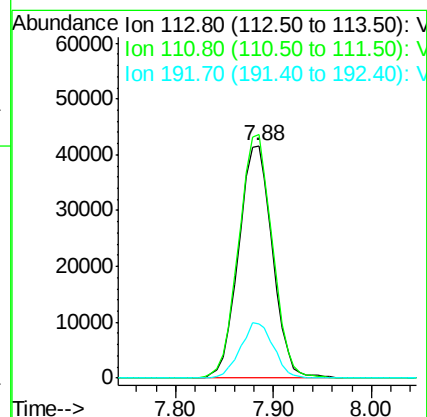
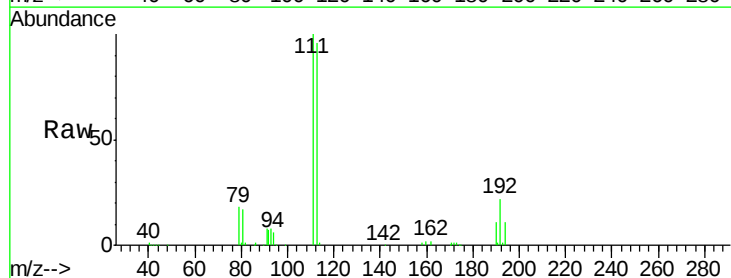
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 20190665-LOCATION-3

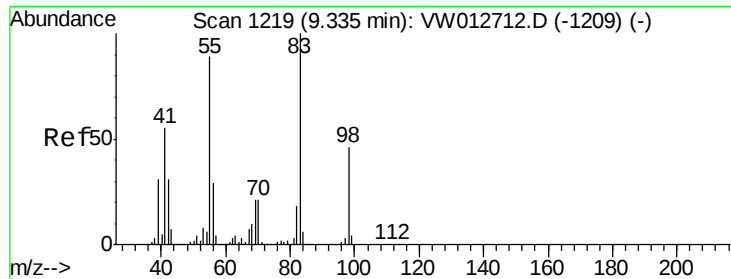
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	47.2
88	16.7	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 49.032 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012919.D
 Acq: 11 Sep 2019 16:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	80.2	120.4
192	23.2	17.3	25.9

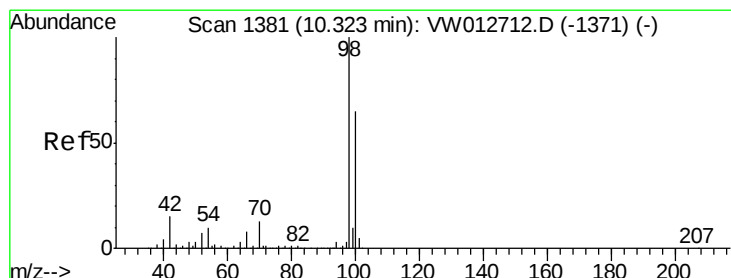
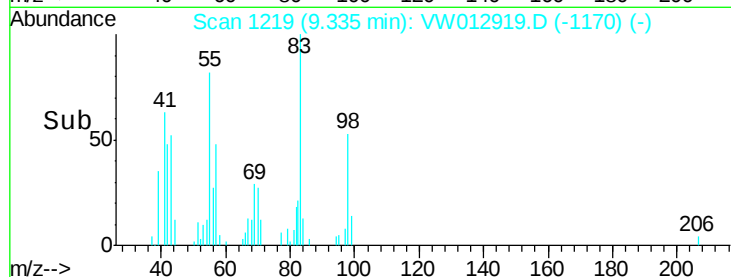
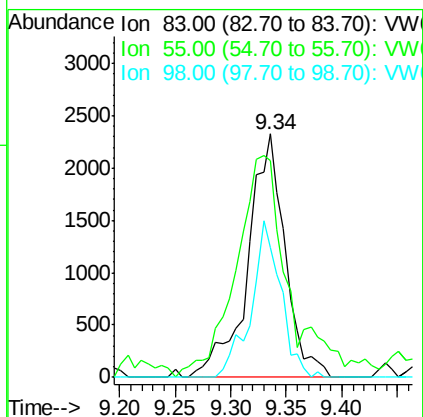
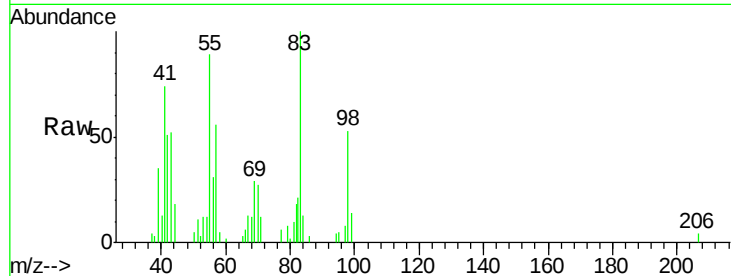




#39
Methvlcvclohexane
Concen: 1.590 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012919.D
Acq: 11 Sep 2019 16:01

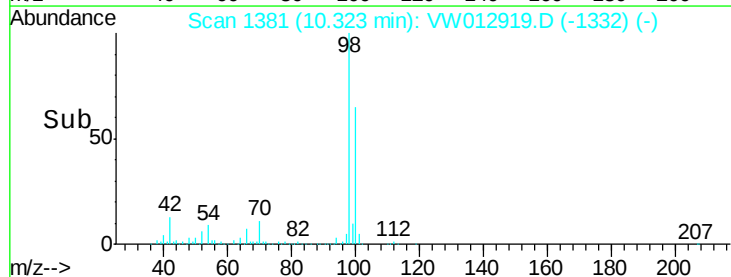
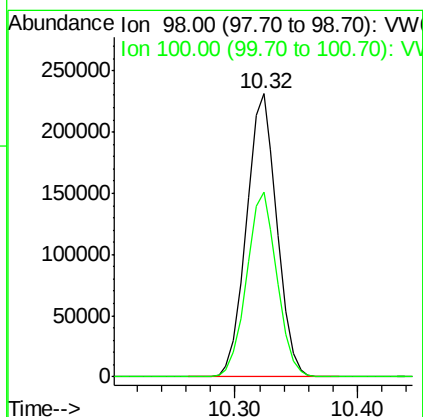
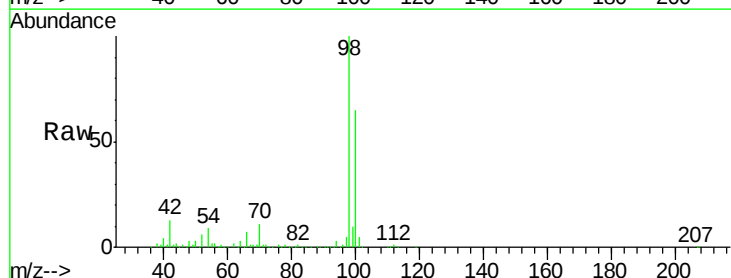
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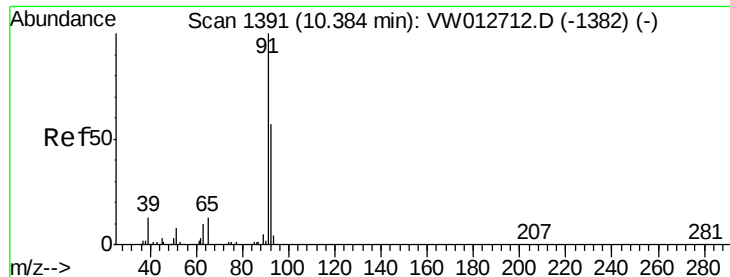
Tot Ion: 83 Resp: 5445
Ion Ratio Lower Upper
83 100
55 85.0 71.0 106.4
98 53.5 36.9 55.3



#50
Toluene-d8
Concen: 50.000 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012919.D
Acq: 11 Sep 2019 16:01

Tgt Ion: 98 Resp: 399688
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4





#52

Toluene

Concen: 1.422 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

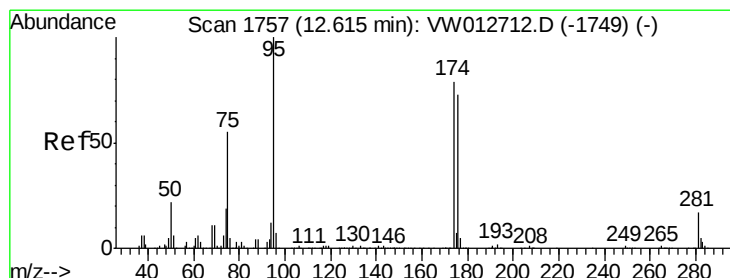
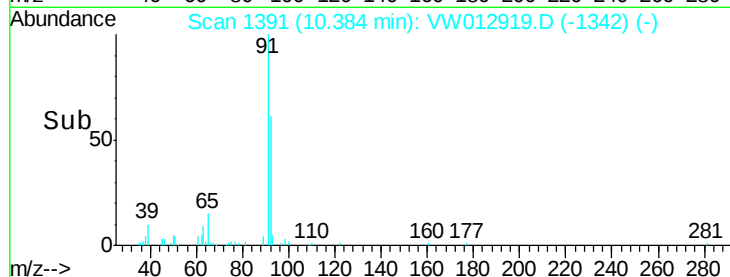
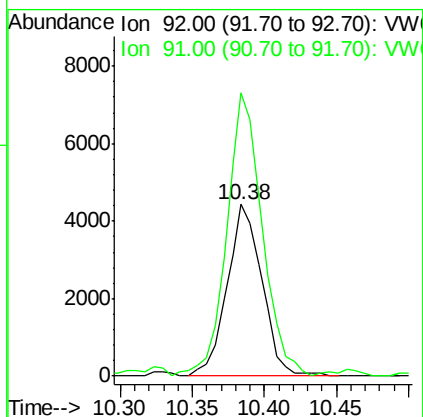
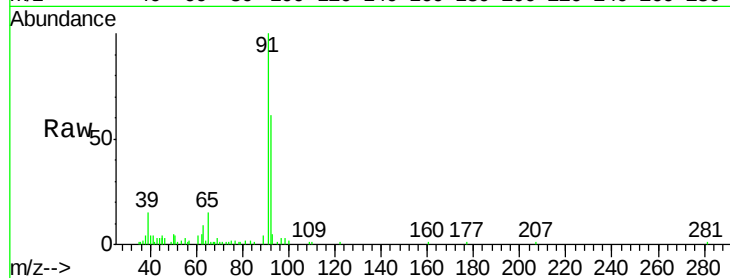
20190665-LOCATION-3

Tot Ion: 92 Resp: 7510

Ion Ratio Lower Upper

92 100

91 167.4 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 42.748 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

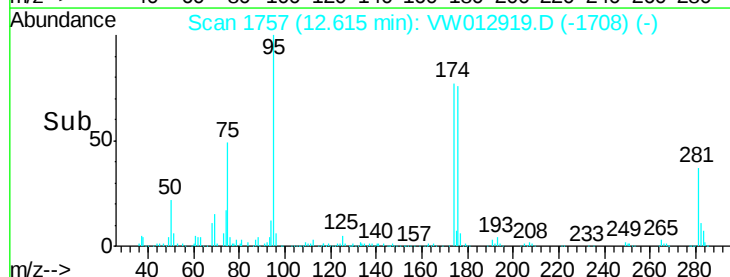
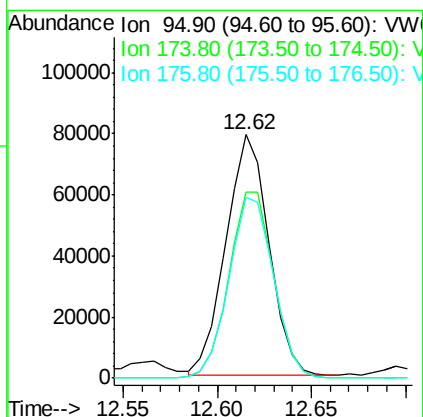
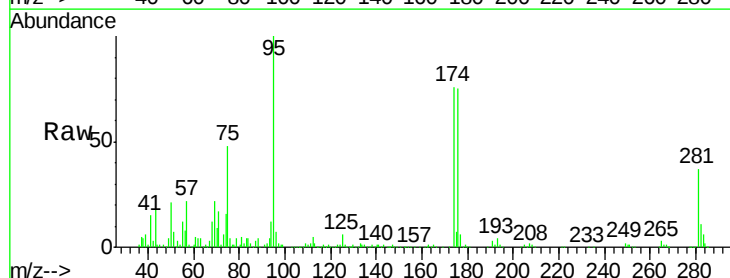
Tgt Ion: 95 Resp: 124053

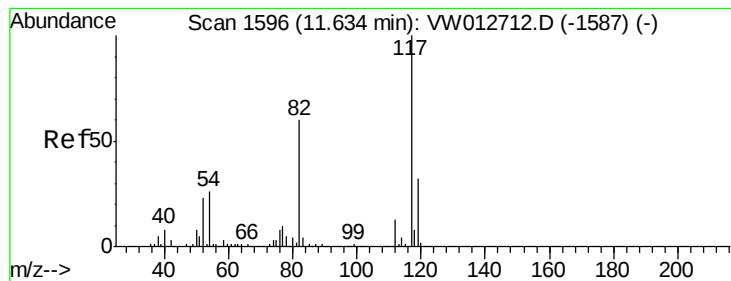
Ion Ratio Lower Upper

95 100

174 80.9 0.0 161.0

176 78.9 0.0 156.4

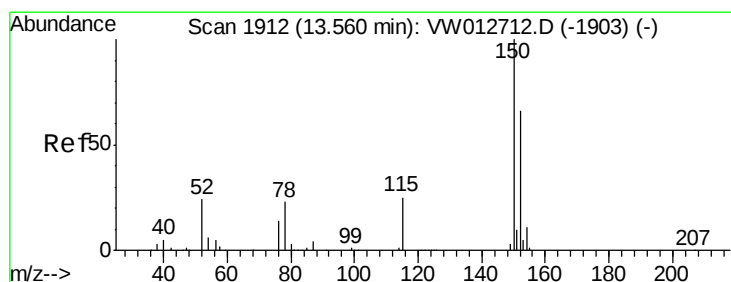
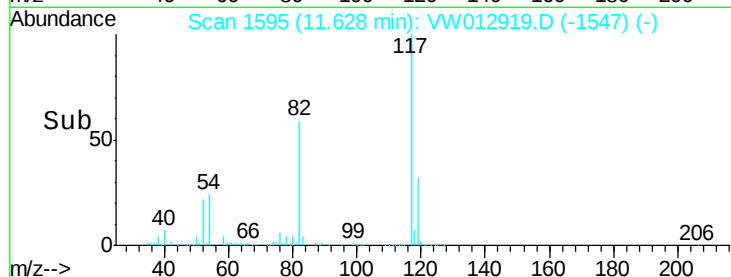
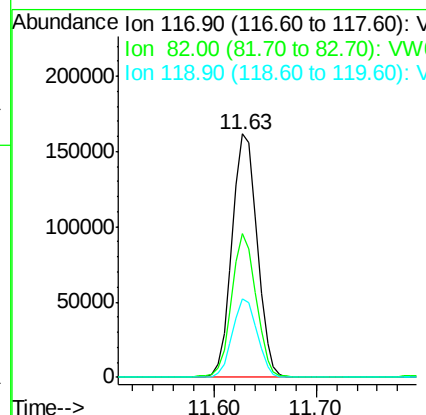
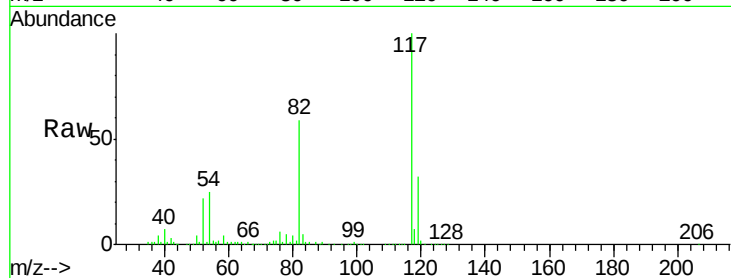




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012919.D
Acq: 11 Sep 2019 16:01

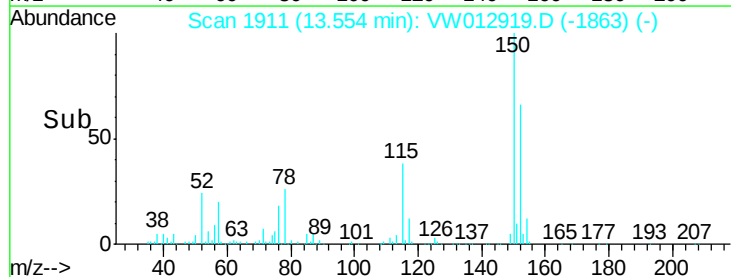
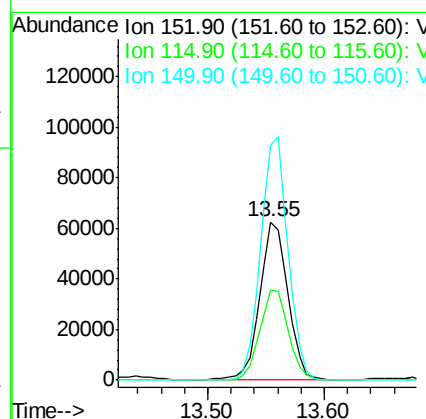
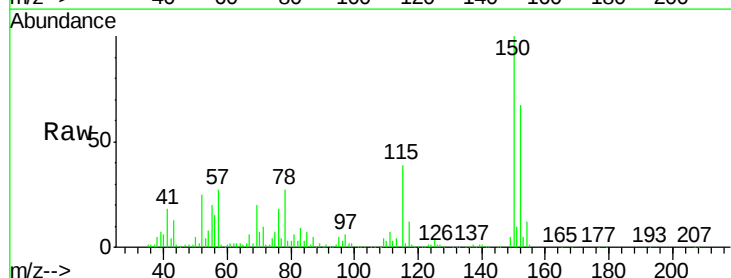
Instrument :
MSVOA_W
ClientSampleId :
20190665-LOCATION-3

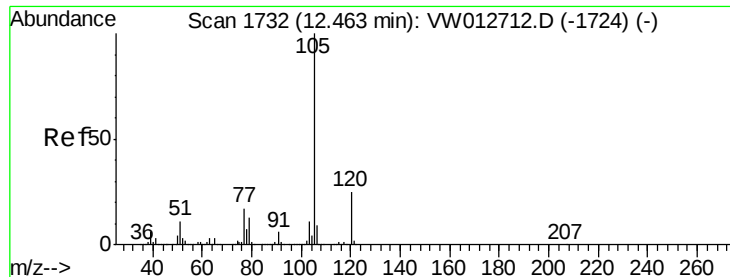
Tot Ion:117 Resp: 275012
Ion Ratio Lower Upper
117 100
82 58.8 48.2 72.4
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012919.D
Acq: 11 Sep 2019 16:01

Tgt Ion:152 Resp: 104502
Ion Ratio Lower Upper
152 100
115 57.7 30.0 90.1
150 149.6 0.0 349.0





#73

Isopropylbenzene

Concen: 1.716 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

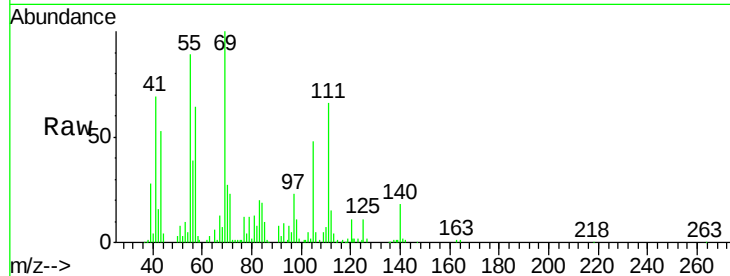
20190665-LOCATION-3

Tot Ion:105 Resp: 12860

Ion Ratio Lower Upper

105 100

120 21.6 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

8000

6000

4000

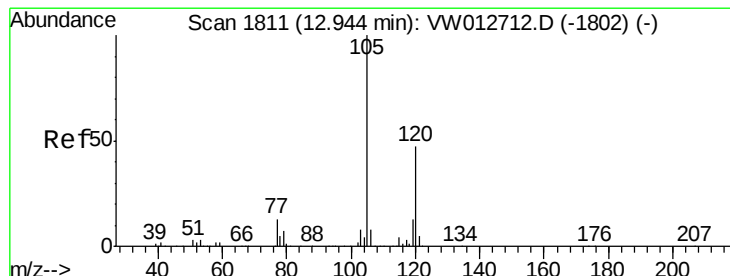
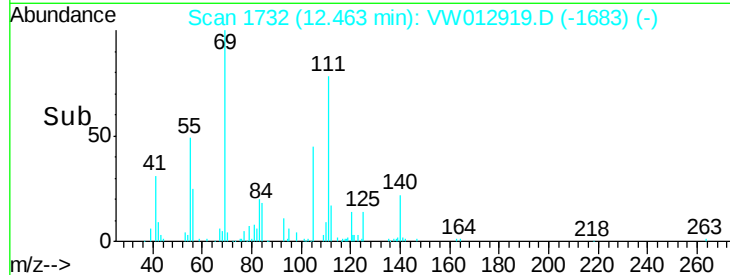
2000

0

12.40

12.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.611 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012919.D

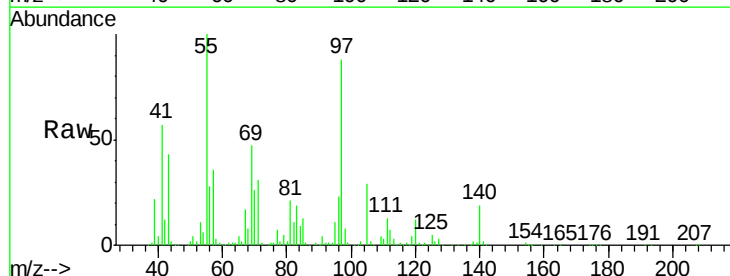
Acq: 11 Sep 2019 16:01

Tgt Ion:105 Resp: 29121

Ion Ratio Lower Upper

105 100

120 53.8 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.94

20000

15000

10000

5000

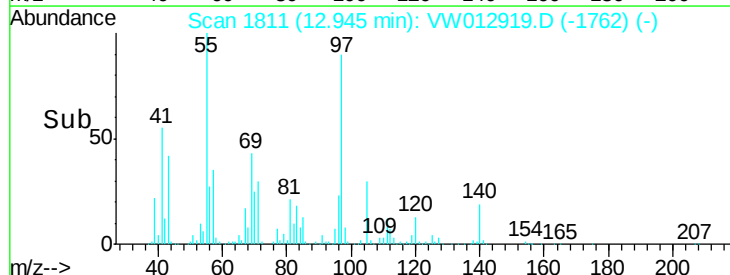
0

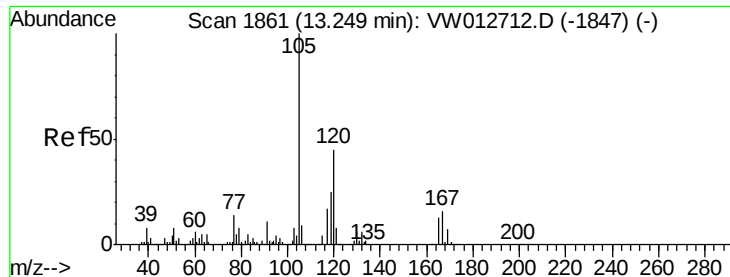
12.90

12.95

13.00

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 5.426 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW012919.D

Acq: 11 Sep 2019 16:01

Instrument :

MSVOA_W

ClientSampleId :

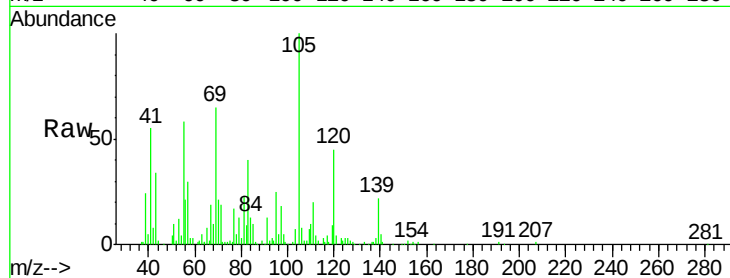
20190665-LOCATION-3

Tot Ion:105 Resp: 34529

Ion Ratio Lower Upper

105 100

120 43.2 22.1 66.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.25

20000

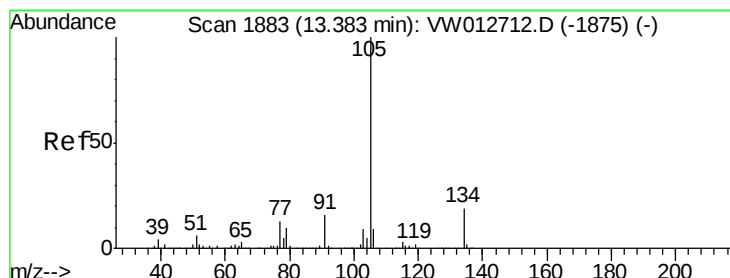
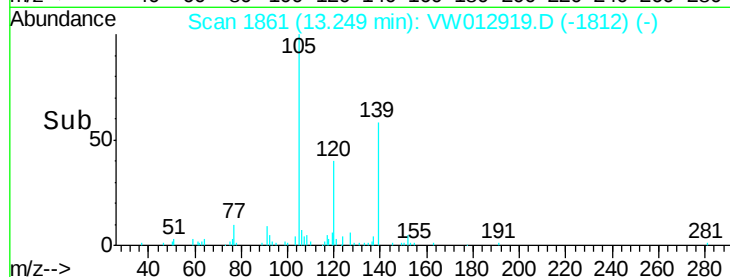
15000

10000

5000

0

Time-->



#85

sec-Butylbenzene

Concen: 1.479 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012919.D

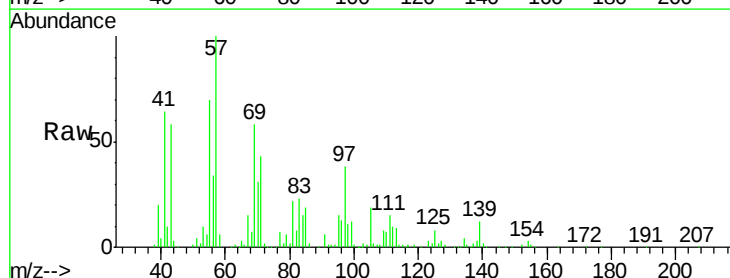
Acq: 11 Sep 2019 16:01

Tgt Ion:105 Resp: 11459

Ion Ratio Lower Upper

105 100

134 33.2 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

8000

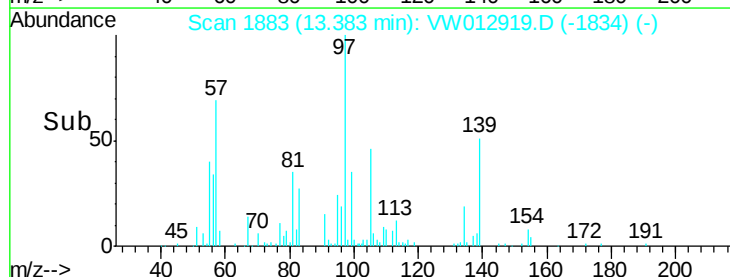
6000

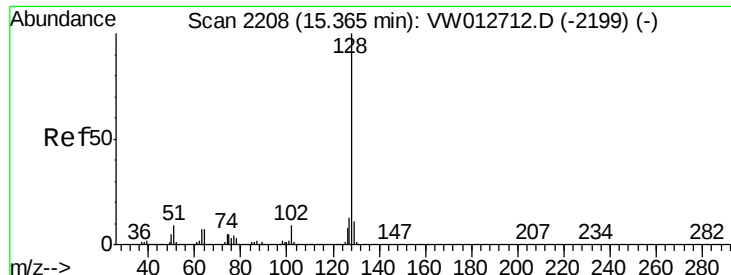
4000

2000

0

Time-->

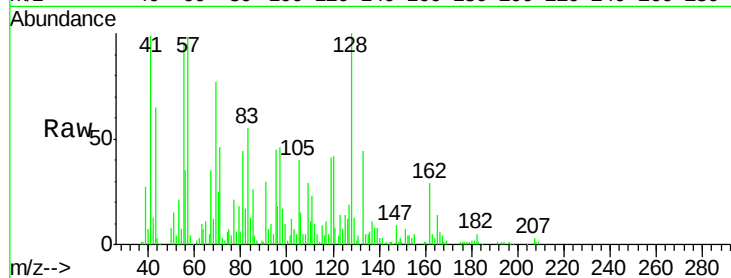




#95
Naphthalene
Concen: 10.921 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012919.D
Acq: 11 Sep 2019 16:01

Instrument :
MSVOA_W
ClientSampleId :
20190665-LOCATION-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	10.7	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V

