

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
 Data File : VW012918.D
 Acq On : 11 Sep 2019 15:35
 Operator : SY/VA
 Sample : K4683-02
 Misc : 4.17G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190664-LOCATION-2

Quant Time: Sep 12 07:52:51 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	263349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	111009	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	136198	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
35) Dibromofluoromethane	7.88	113	115210	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	10.32	98	461198	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.61	95	133106	40.06	ug/l	0.00
Spiked Amount			Recovery	=	80.12%	

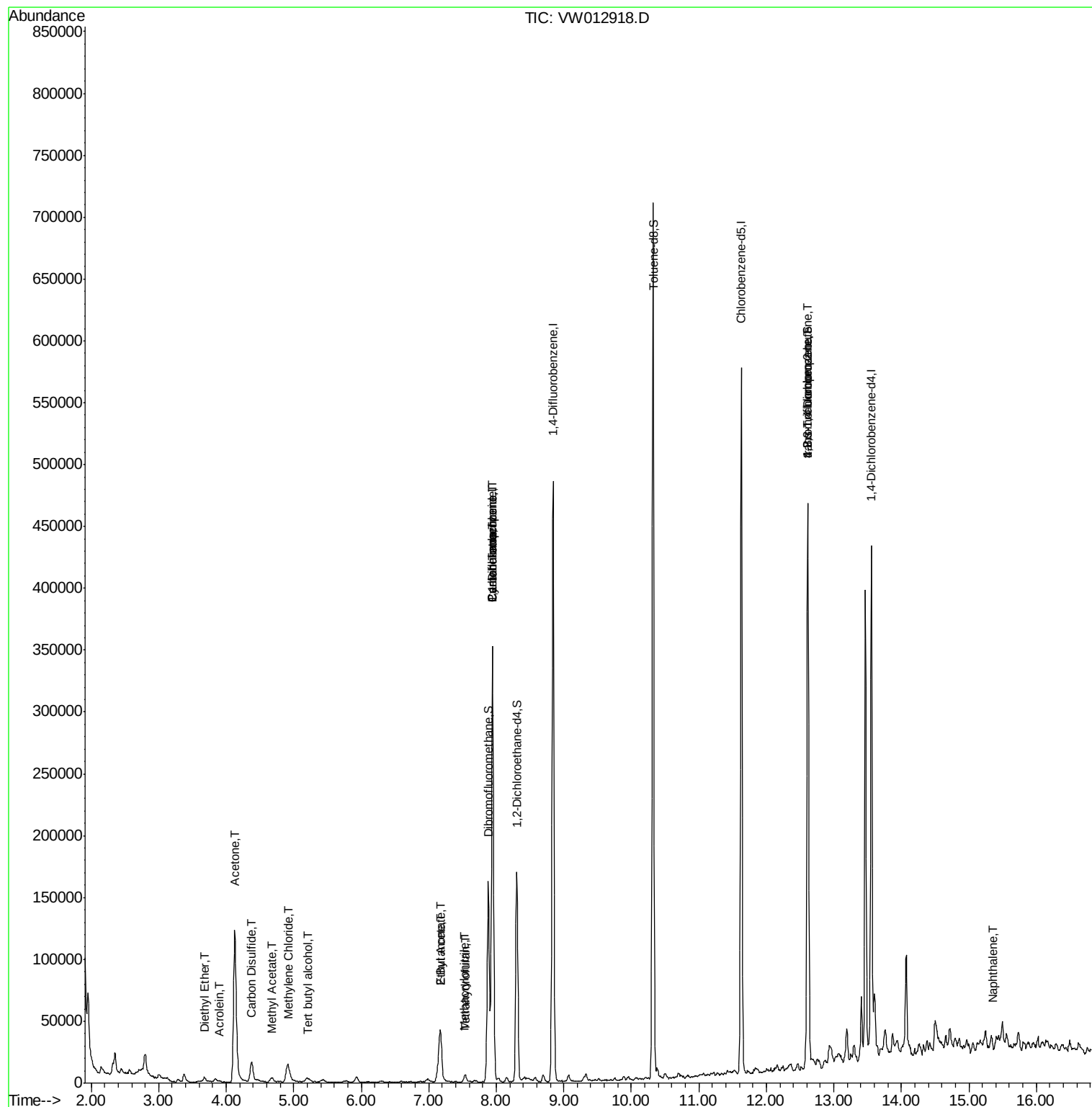
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2011	1.630	ug/l	62
11) Tert butyl alcohol	5.21	59	7599	33.754	ug/l #	90
13) Acrolein	3.89	56	1535	6.425	ug/l #	81
16) Acetone	4.13	43	236563	294.901	ug/l	98
17) Carbon Disulfide	4.38	76	36235	7.849	ug/l #	93
18) Methyl Acetate	4.68	43	6988	3.713	ug/l #	91
20) Methylene Chloride	4.91	84	11226	4.473	ug/l	89
25) 2-Butanone	7.17	43	63643	69.321	ug/l	99
29) Tetrahydrofuran	7.54	42	4287	6.618	ug/l	92
31) Cyclohexane	7.94	56	6676	1.543	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	19209	5.501	ug/l #	53
37) Ethyl Acetate	7.17	43	63643	28.591	ug/l #	72
38) Carbon Tetrachloride	7.95	117	25344	7.363	ug/l #	16
41) Methacrylonitrile	7.53	41	3344	5.879	ug/l #	54
76) 1,2,3-Trichloropropane	12.61	75	69907	61.586	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	69907	130.258	ug/l #	6
95) Naphthalene	15.36	128	422	4.522	ug/l #	33

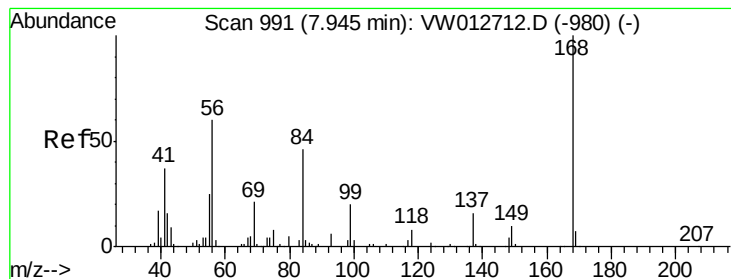
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012918.D

Acq: 11 Sep 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

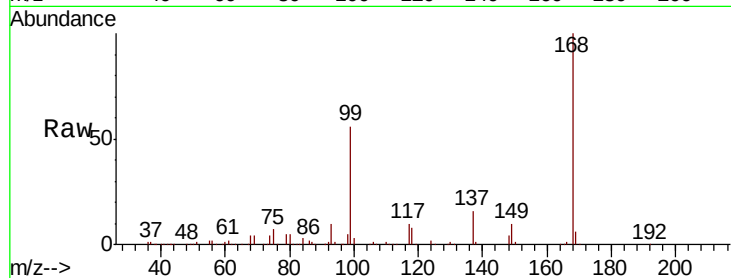
20190664-LOCATION-2

Tgt Ion:168 Resp: 263349

Ion Ratio Lower Upper

168 100

99 56.0 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

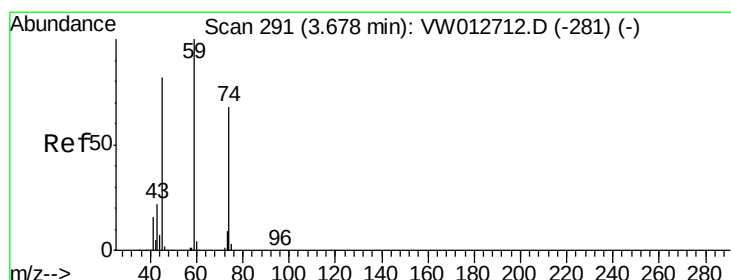
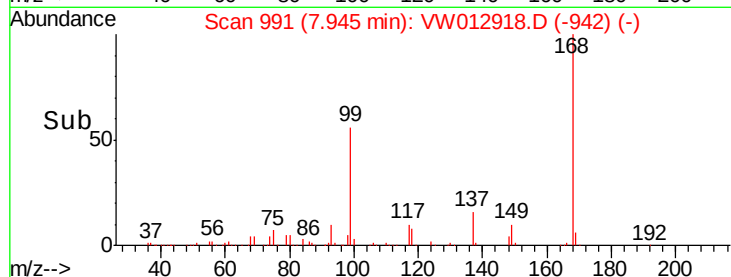
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.630 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012918.D

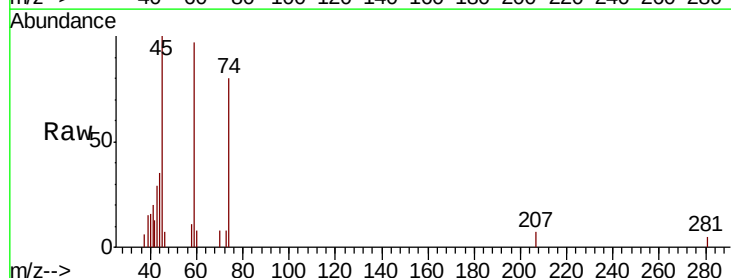
Acq: 11 Sep 2019 15:35

Tgt Ion: 74 Resp: 2011

Ion Ratio Lower Upper

74 100

45 159.9 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

600

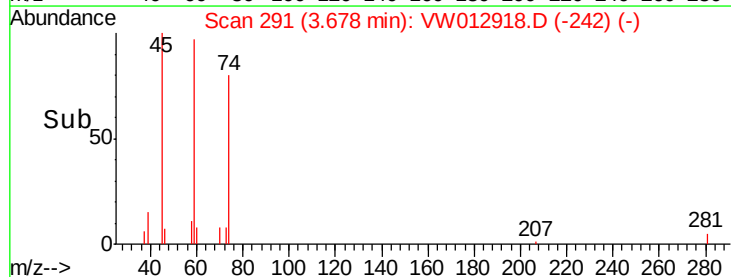
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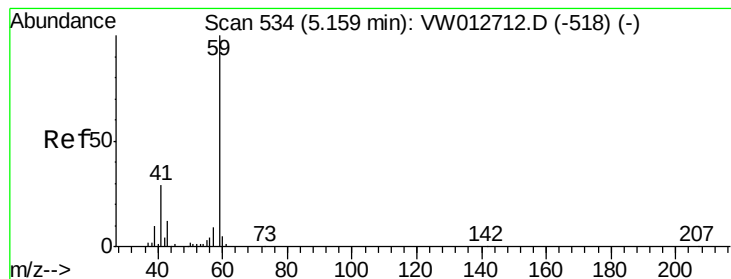
200

0

3.60 3.65 3.70 3.75

Time-->





#11

Tert butyl alcohol

Concen: 33.754 ug/l

RT: 5.21 min Scan# 543

Delta R.T. 0.05 min

Lab File: VW012918.D

Acq: 11 Sep 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

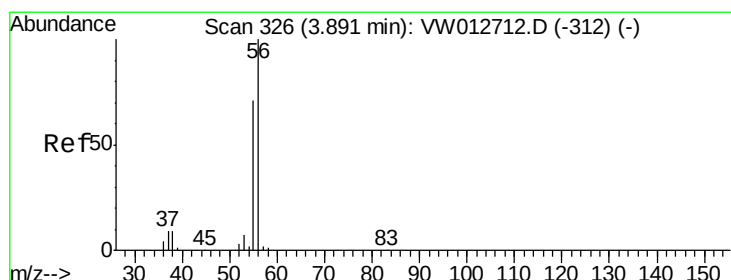
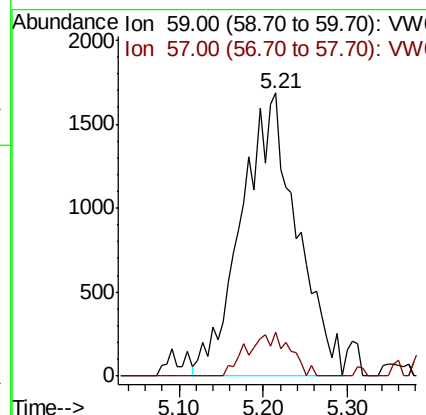
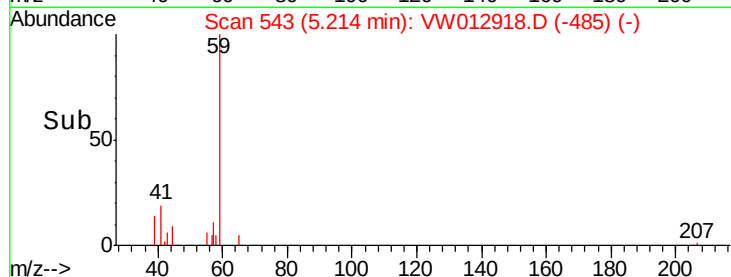
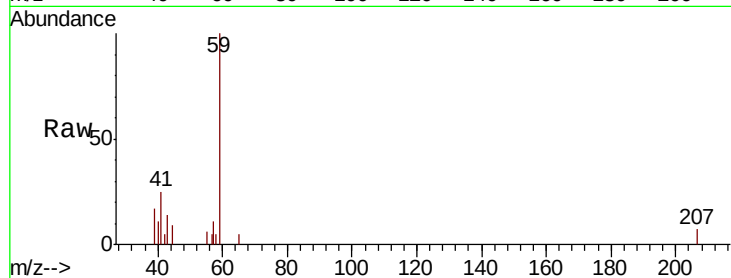
20190664-LOCATION-2

Tgt Ion: 59 Resp: 7599

Ion Ratio Lower Upper

59 100

57 6.6 8.2 12.4#



#13

Acrolein

Concen: 6.425 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012918.D

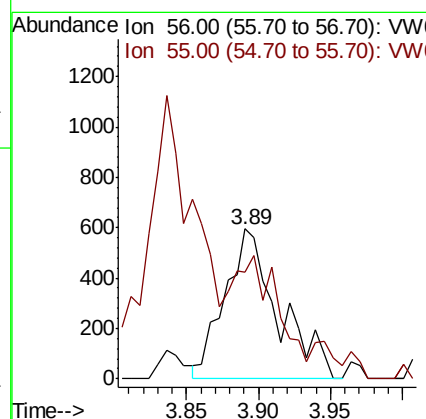
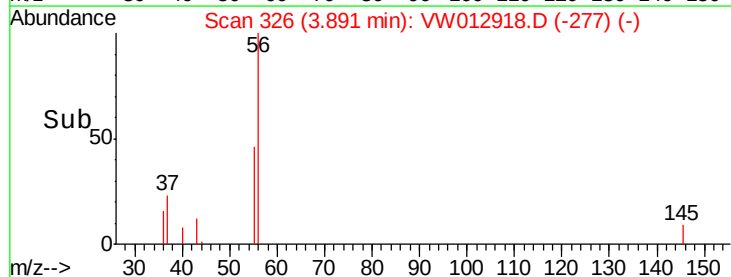
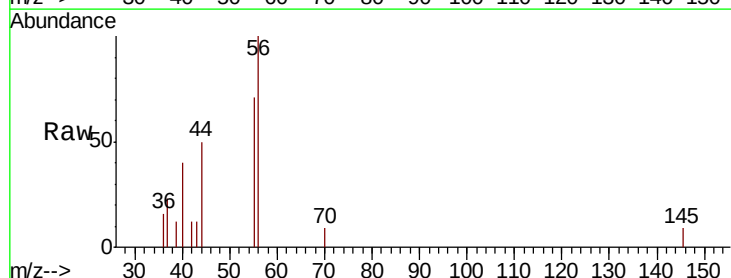
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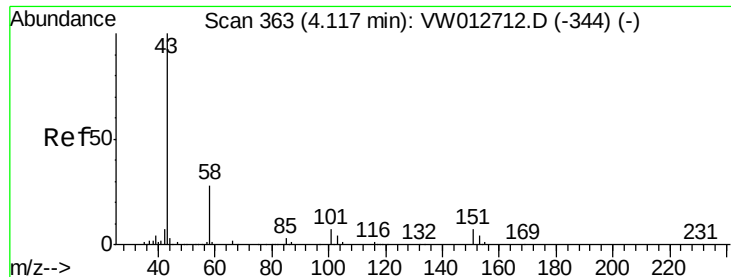
Tgt Ion: 56 Resp: 1535

Ion Ratio Lower Upper

56 100

55 55.6 56.9 85.3#

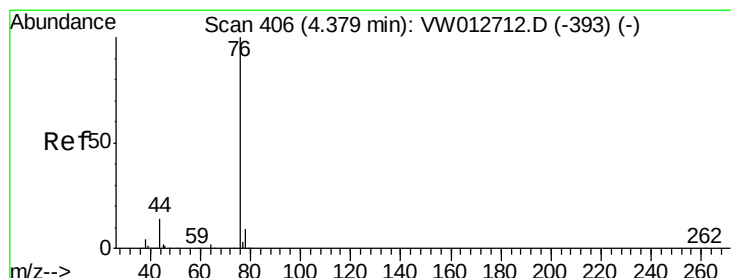
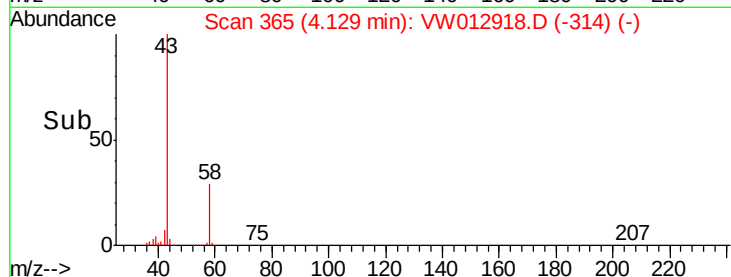
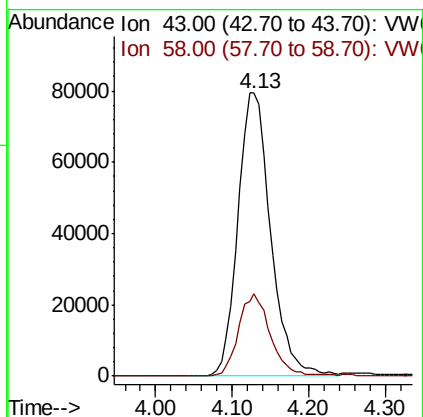
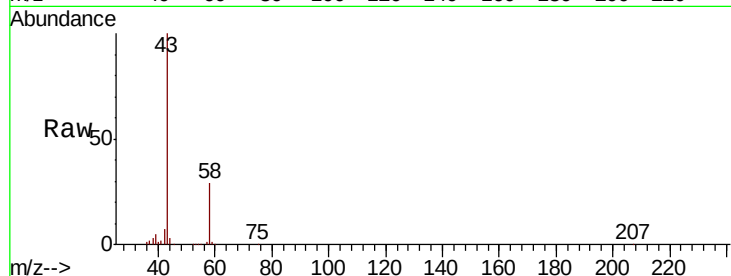




#16
Acetone
Concen: 294.901 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

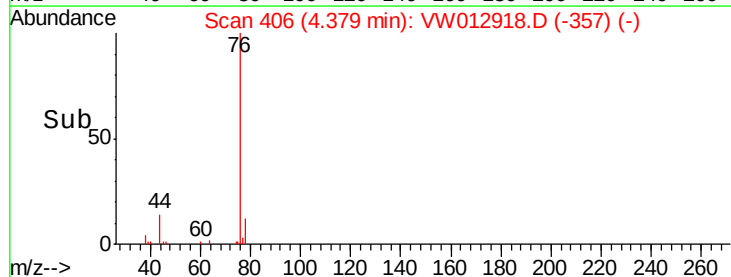
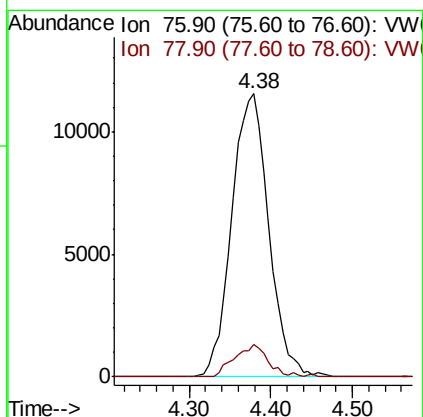
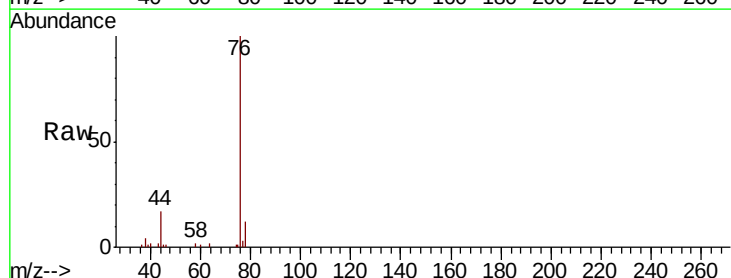
Instrument :
MSVOA_W
ClientSampleId :
20190664-LOCATION-2

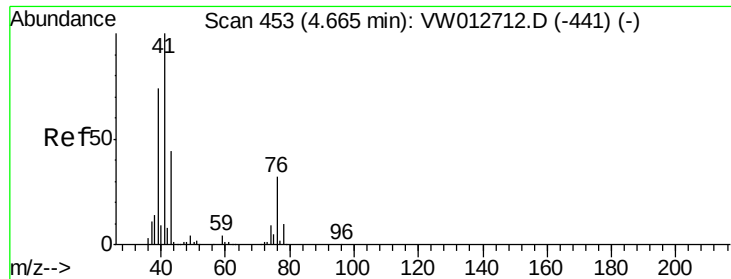
Tgt Ion: 43 Resp: 236563
Ion Ratio Lower Upper
43 100
58 29.0 22.6 33.8



#17
Carbon Disulfide
Concen: 7.849 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

Tgt Ion: 76 Resp: 36235
Ion Ratio Lower Upper
76 100
78 11.7 7.2 10.8#

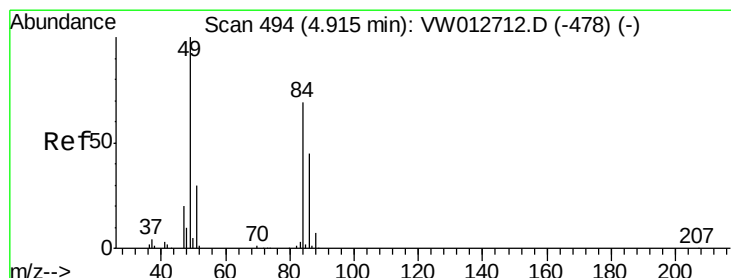
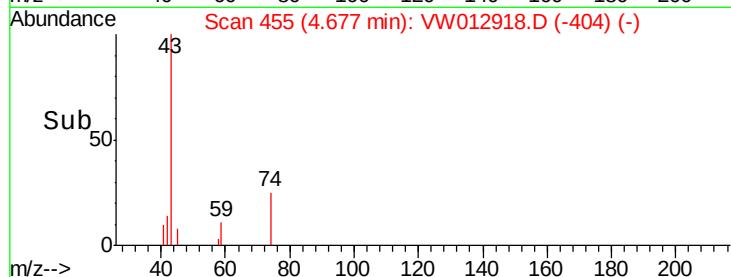
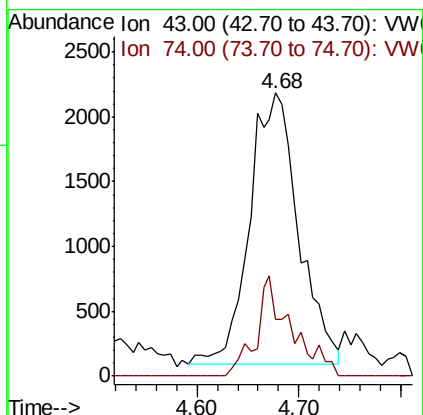
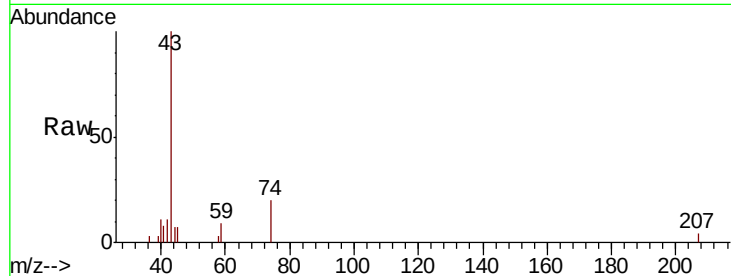




#18
Methyl Acetate
Concen: 3.713 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

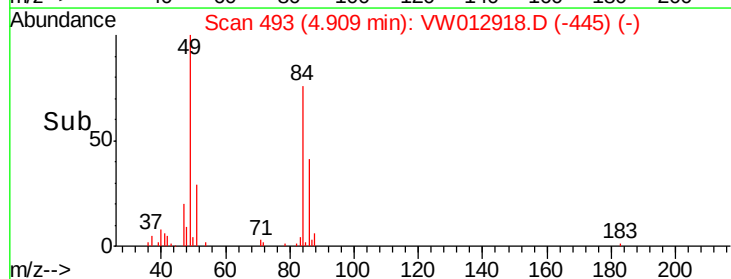
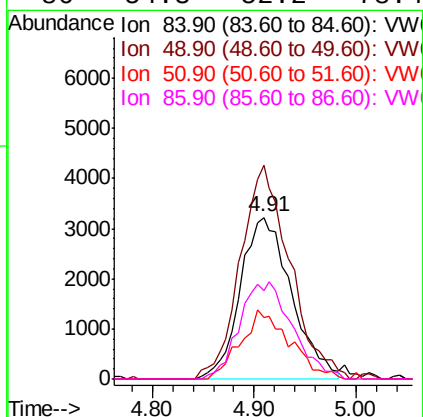
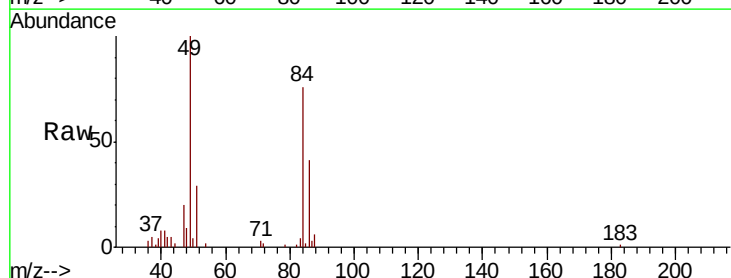
Instrument :
MSVOA_W
ClientSampleId :
20190664-LOCATION-2

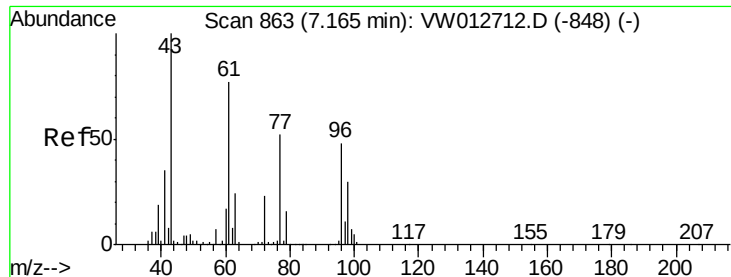
Tgt Ion: 43 Resp: 6988
Ion Ratio Lower Upper
43 100
74 23.9 15.8 23.6#



#20
Methylene Chloride
Concen: 4.473 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

Tgt Ion: 84 Resp: 11226
Ion Ratio Lower Upper
84 100
49 131.9 115.4 173.0
51 37.7 34.9 52.3
86 54.3 52.2 78.4





#25

2-Butanone

Concen: 69.321 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012918.D

Acq: 11 Sep 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

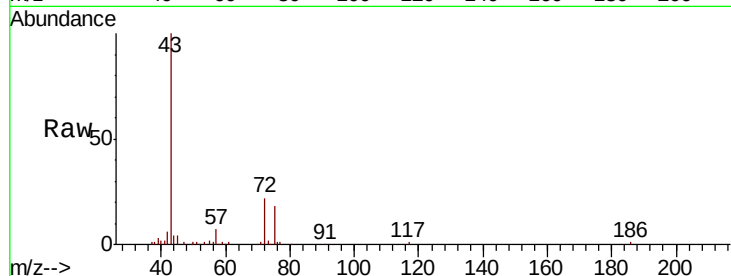
20190664-LOCATION-2

Tgt Ion: 43 Resp: 63643

Ion Ratio Lower Upper

43 100

72 22.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

25000

20000

15000

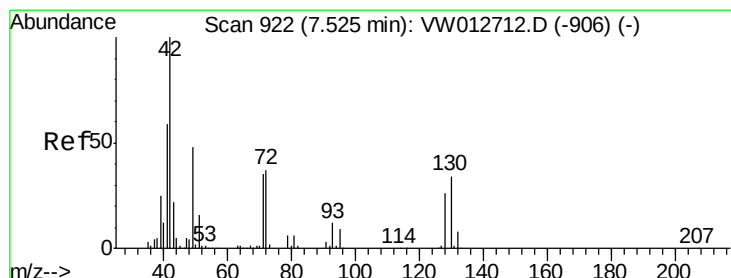
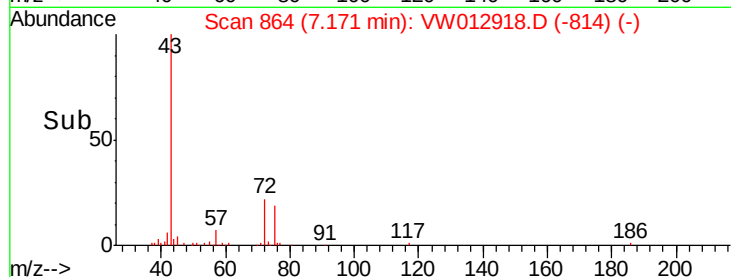
10000

5000

0

Time-->

7.00 7.10 7.20 7.30



#29

Tetrahydrofuran

Concen: 6.618 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012918.D

Acq: 11 Sep 2019 15:35

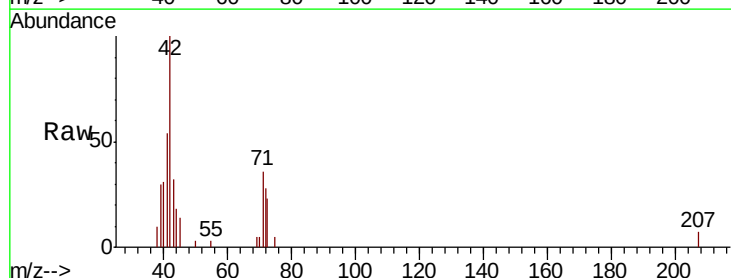
Tgt Ion: 42 Resp: 4287

Ion Ratio Lower Upper

42 100

72 40.7 28.4 42.6

71 37.9 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

2000

1500

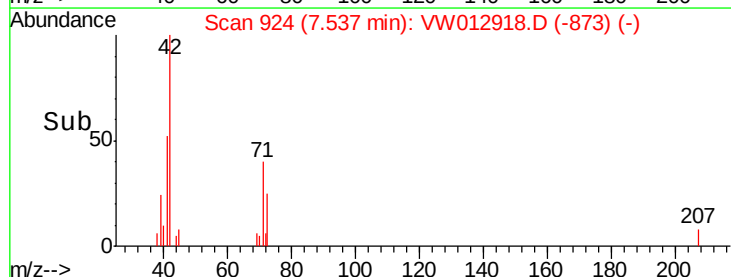
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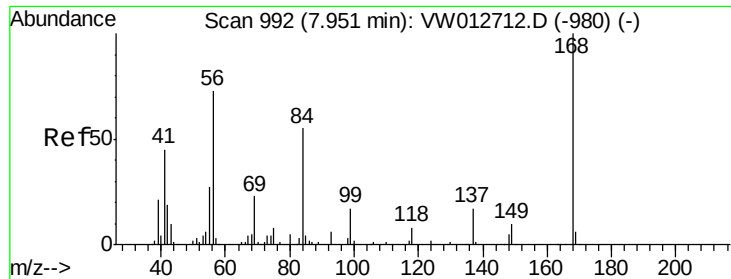
500

0

Time-->

7.45 7.50 7.55 7.60

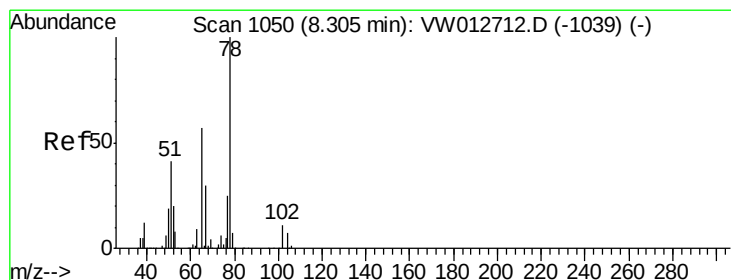
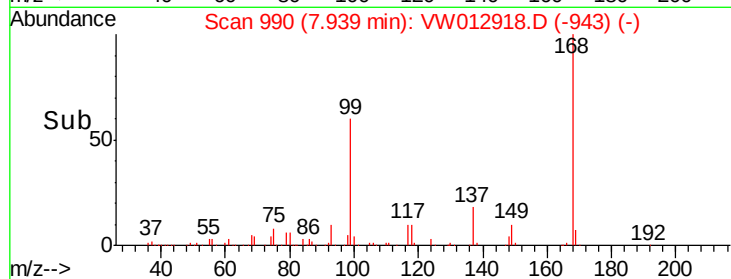
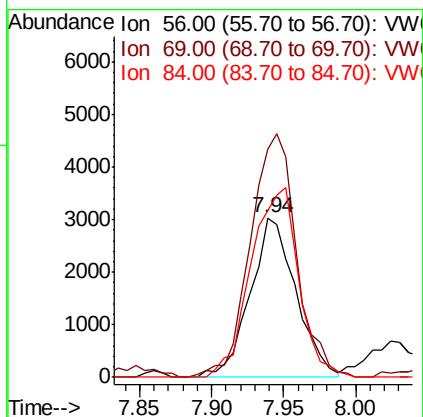
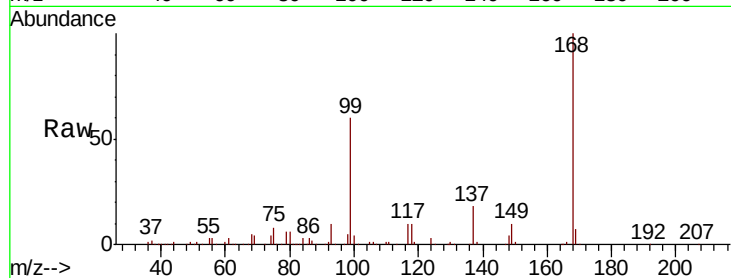




#31
Cyclohexane
Concen: 1.543 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

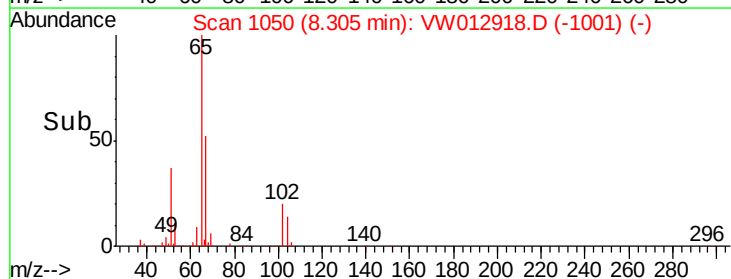
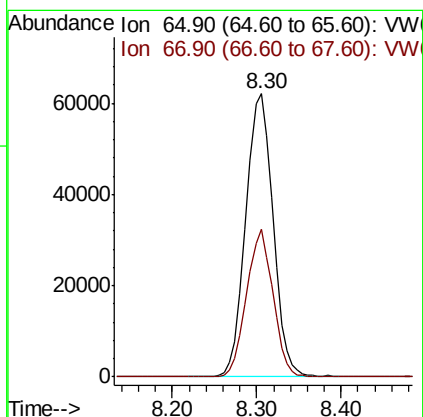
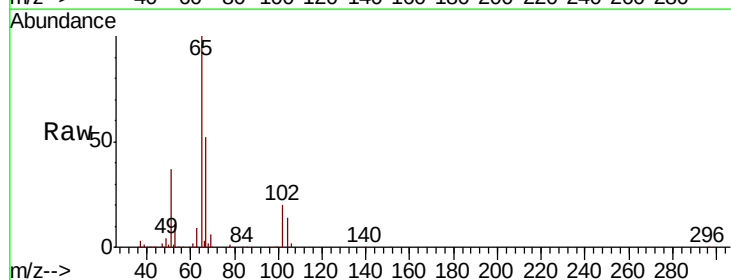
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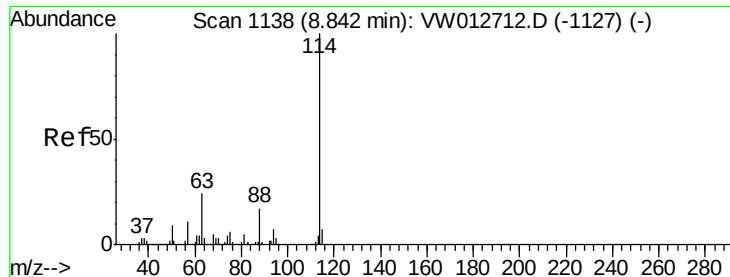
Tgt Ion: 56 Resp: 6676
Ion Ratio Lower Upper
56 100
69 143.2 25.7 38.5#
84 104.6 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 46.287 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

Tgt Ion: 65 Resp: 136198
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8

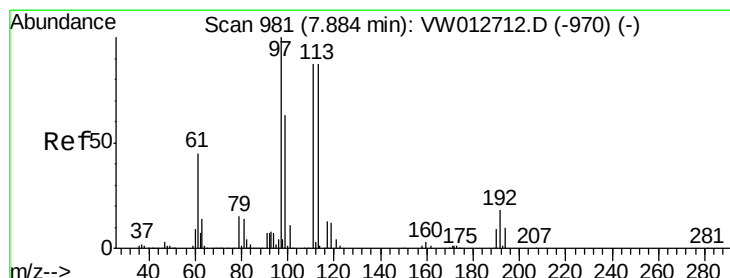
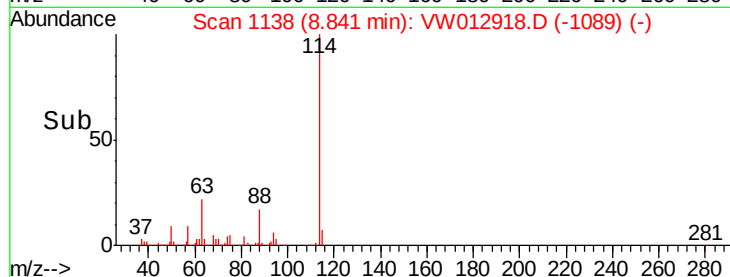
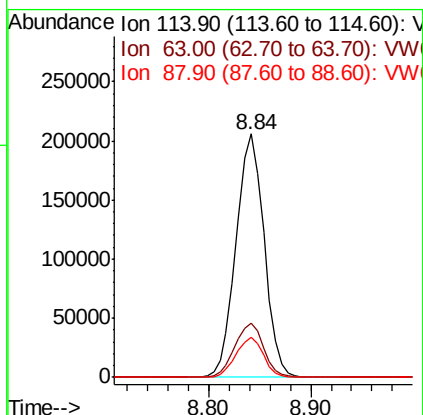
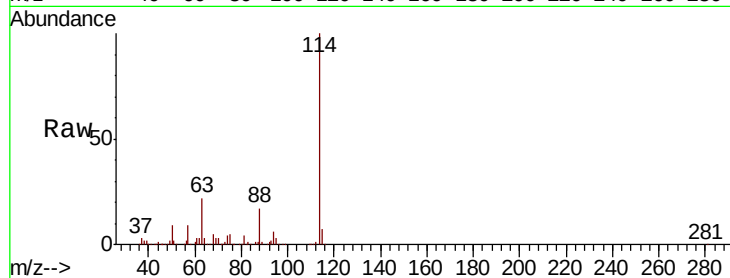




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

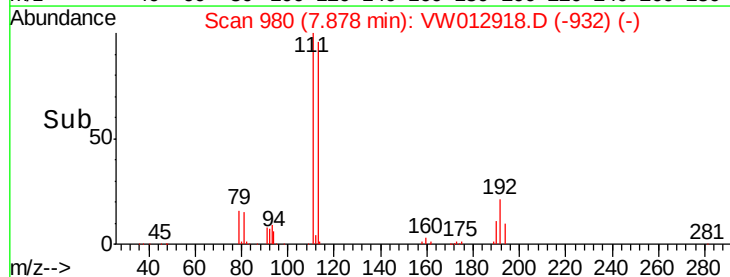
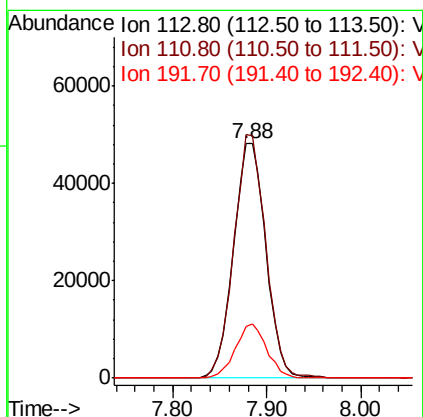
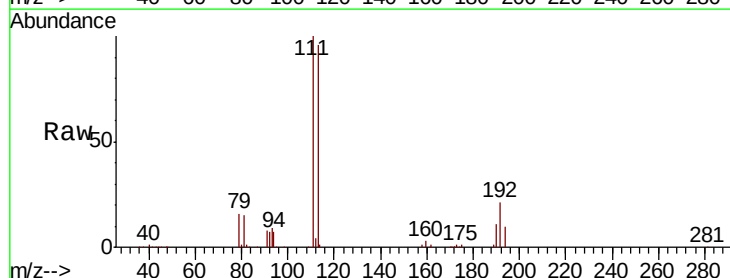
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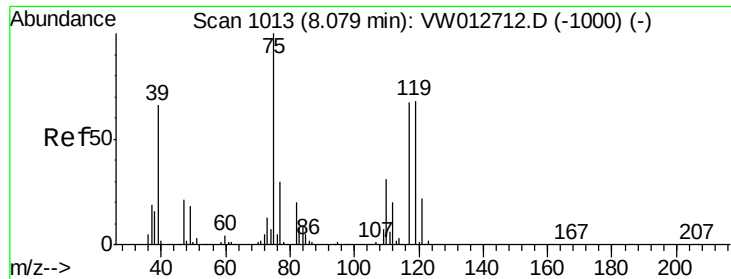
Tgt Ion:114 Resp: 392992
Ion Ratio Lower Upper
114 100
63 22.2 0.0 47.2
88 16.5 0.0 34.0



#35
Dibromofluoromethane
Concen: 49.310 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

Tgt Ion:113 Resp: 115210
Ion Ratio Lower Upper
113 100
111 101.7 80.2 120.4
192 22.2 17.3 25.9

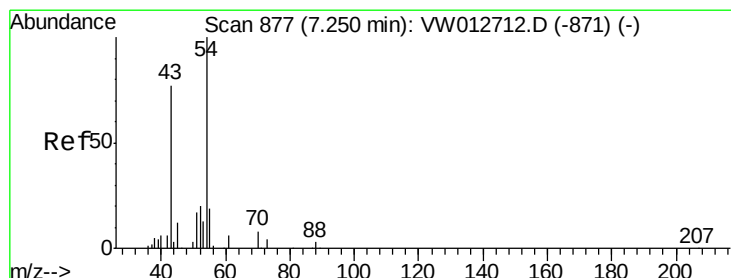
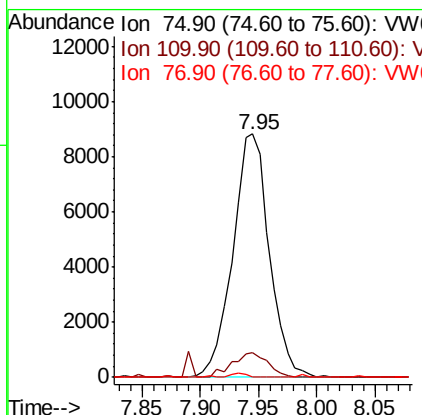
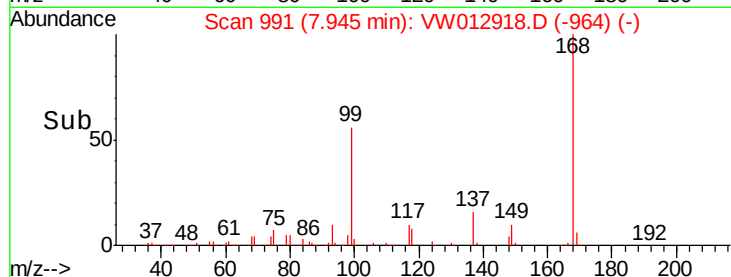
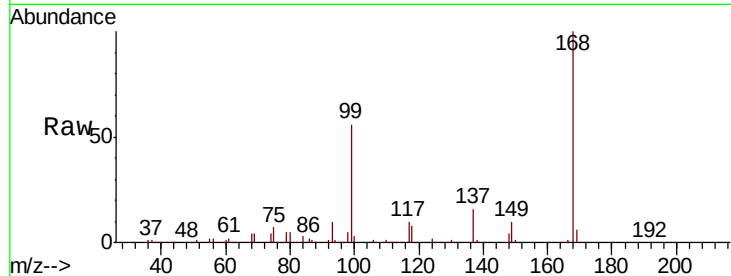




#36
 1,1-Dichloropropene
 Concen: 5.501 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012918.D
 Acq: 11 Sep 2019 15:35

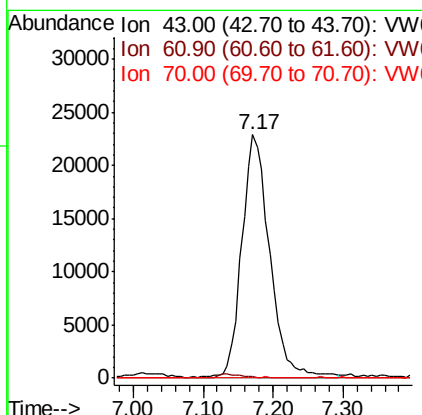
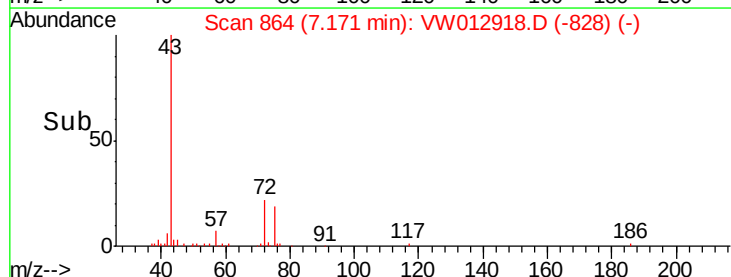
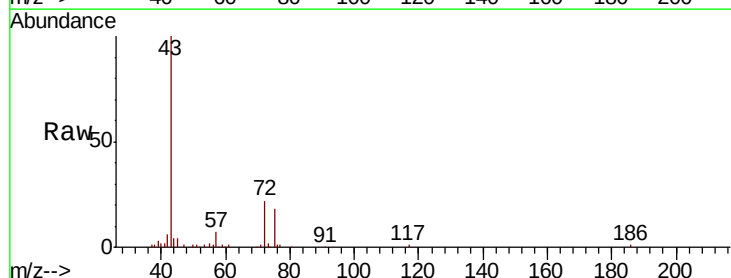
Instrument :
 MSVOA_W
 ClientSampleId :
 20190664-LOCATION-2

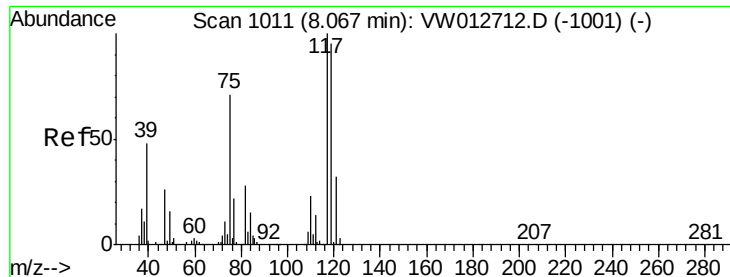
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	15.9	47.7#
77	0.7	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 28.591 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW012918.D
 Acq: 11 Sep 2019 15:35

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.5	14.3#
70	0.1	7.0	10.6#

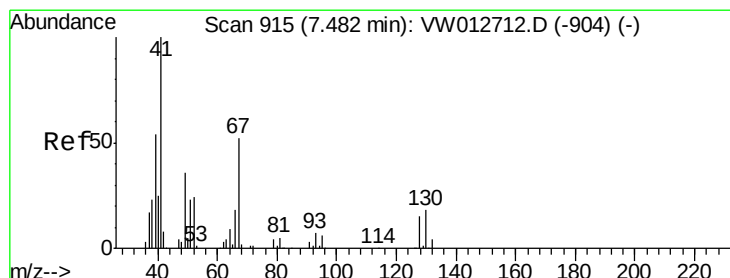
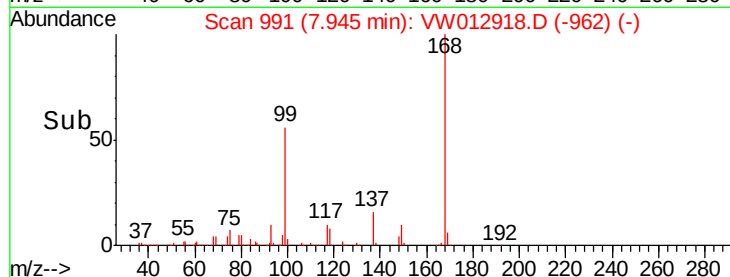
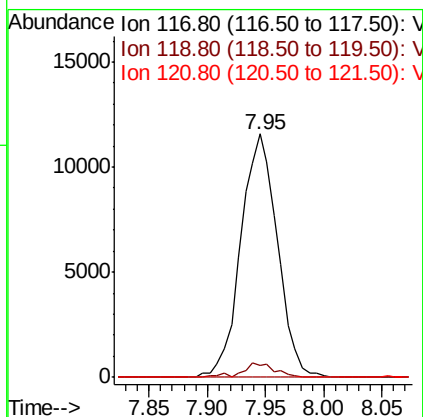
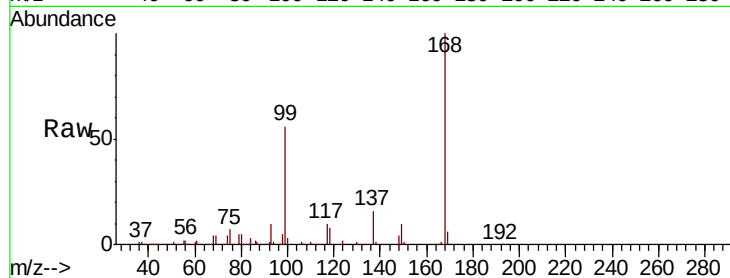




#38
Carbon Tetrachloride
Concen: 7.363 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

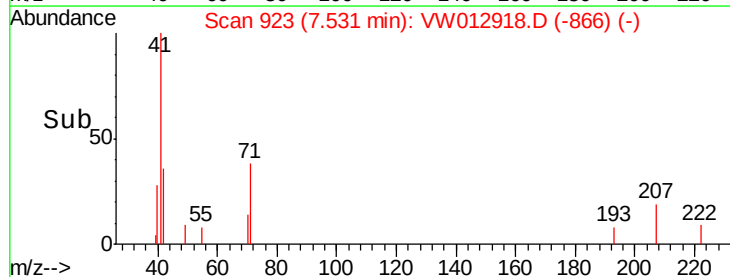
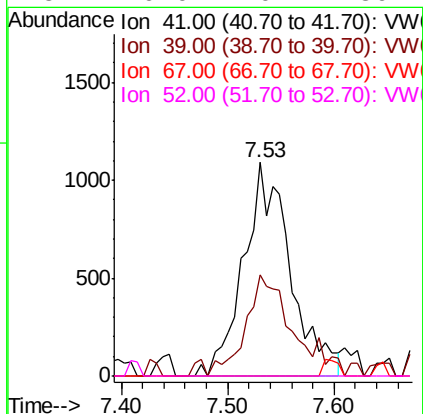
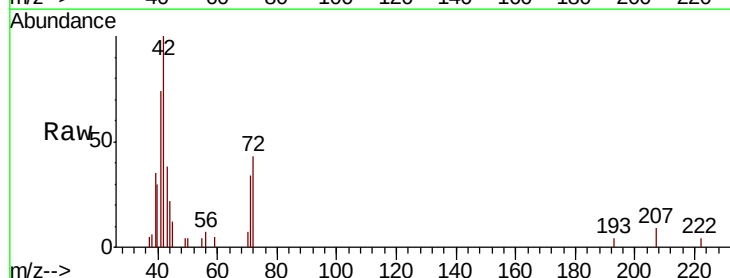
Instrument :
MSVOA_W
ClientSampleId :
20190664-LOCATION-2

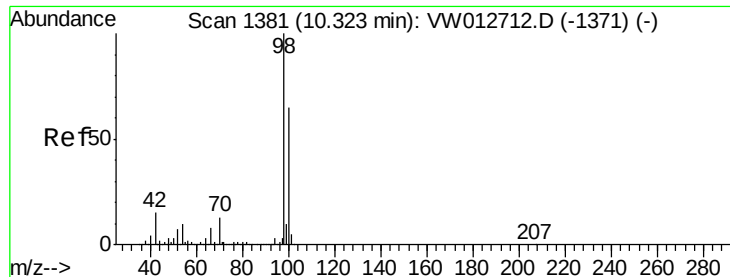
Tgt Ion:117 Resp: 25344
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 25.4 38.2#



#41
Methacrylonitrile
Concen: 5.879 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

Tgt Ion: 41 Resp: 3344
Ion Ratio Lower Upper
41 100
39 47.7 47.5 71.3
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#

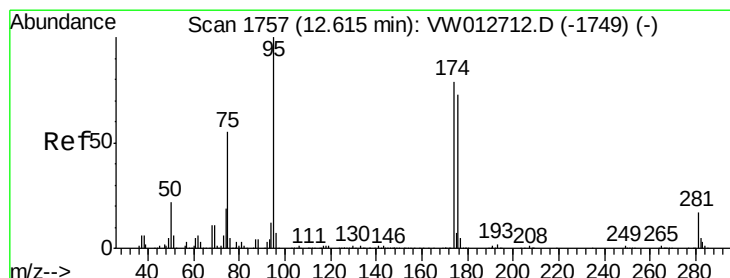
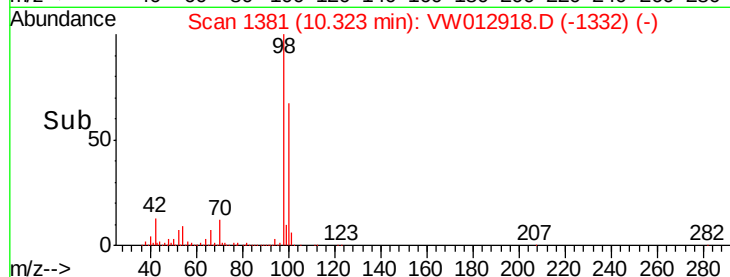
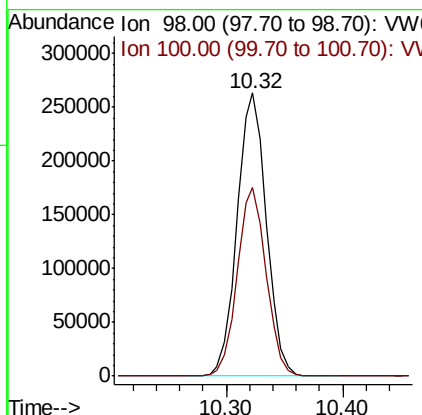
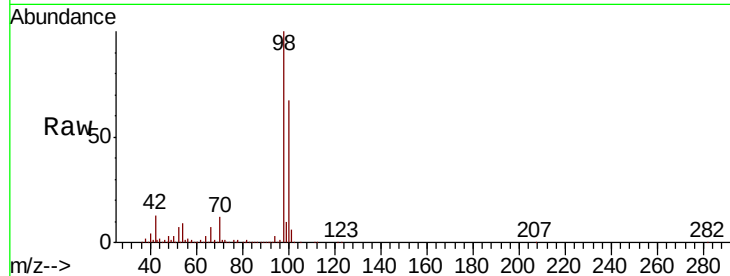




#50
Toluene-d8
Concen: 50.384 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

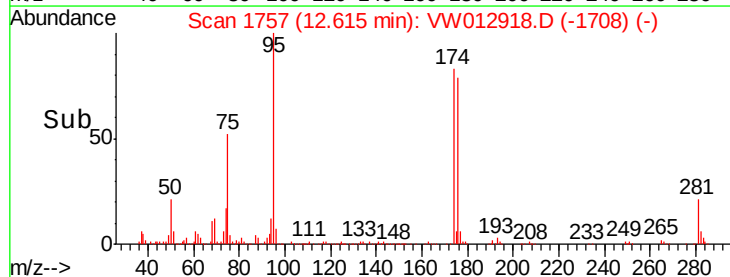
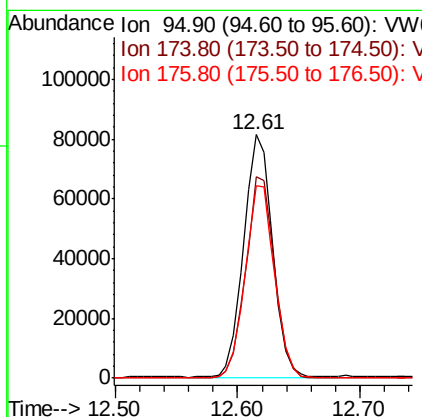
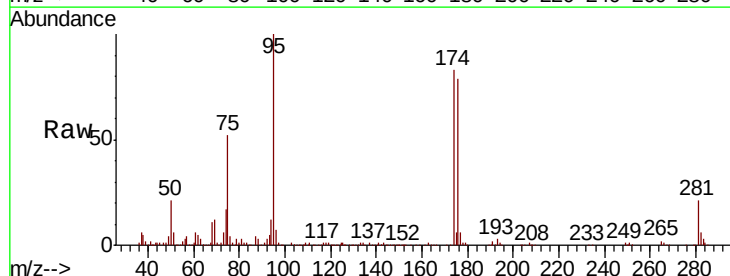
Instrument :
MSVOA_W
ClientSampleId :
20190664-LOCATION-2

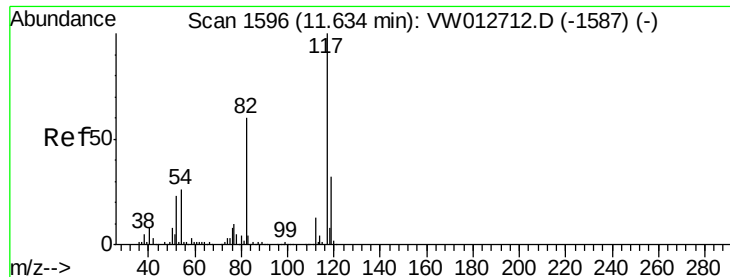
Tgt Ion: 98 Resp: 461198
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 40.055 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

Tgt Ion: 95 Resp: 133106
Ion Ratio Lower Upper
95 100
174 83.3 0.0 161.0
176 81.0 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: VW012918.D

Acq: 11 Sep 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

20190664-LOCATION-2

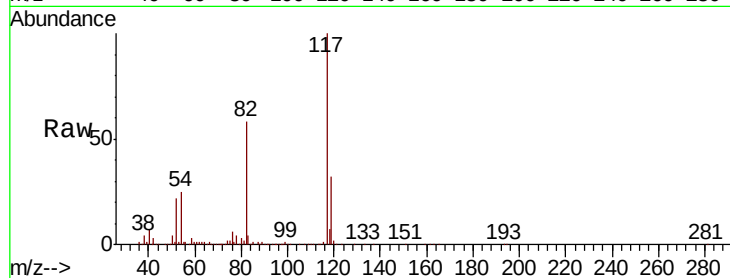
Tgt Ion:117 Resp: 312243

Ion Ratio Lower Upper

117 100

82 58.3 48.2 72.4

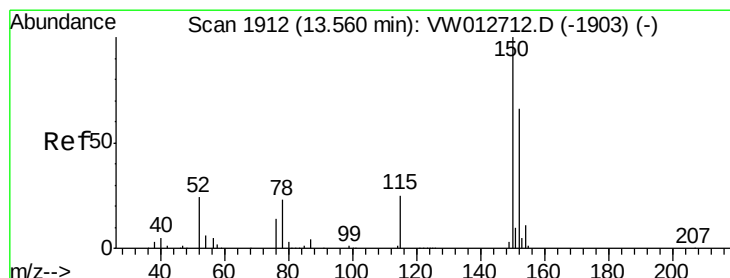
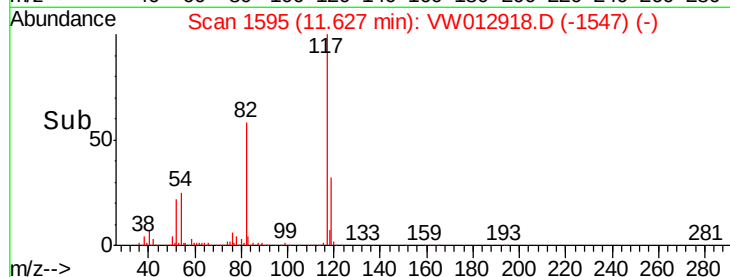
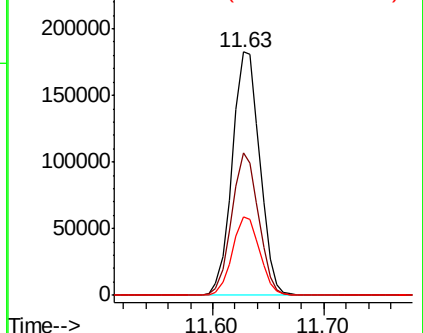
119 32.0 25.8 38.6



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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012918.D

Acq: 11 Sep 2019 15:35

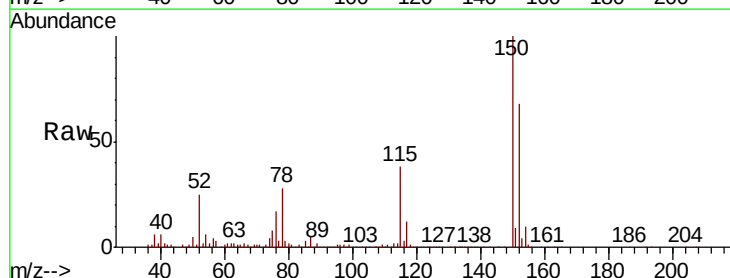
Tgt Ion:152 Resp: 111009

Ion Ratio Lower Upper

152 100

115 57.7 30.0 90.1

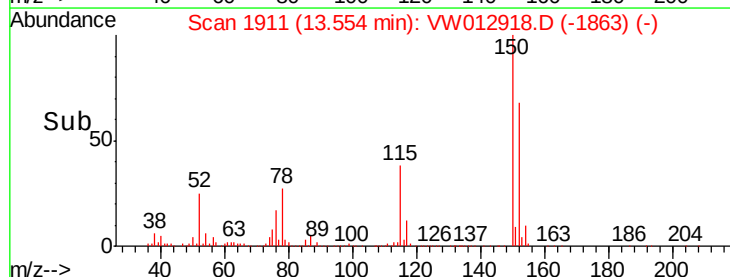
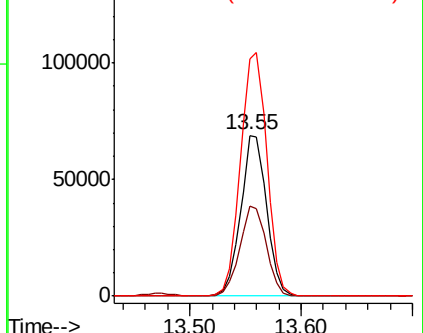
150 154.7 0.0 349.0

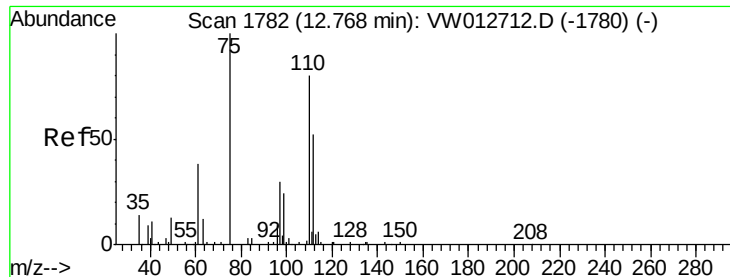


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 61.586 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012918.D

Acq: 11 Sep 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

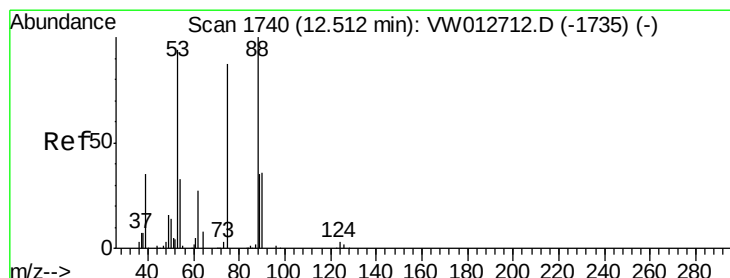
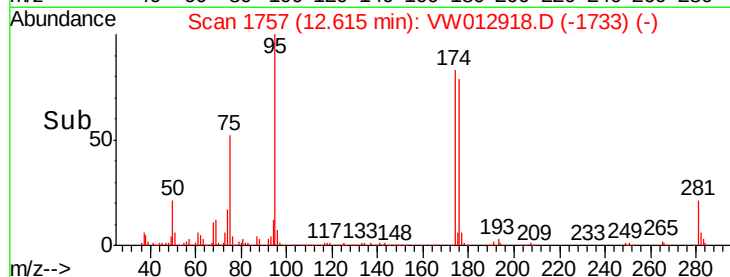
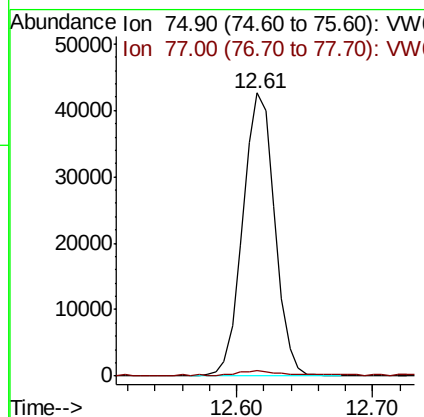
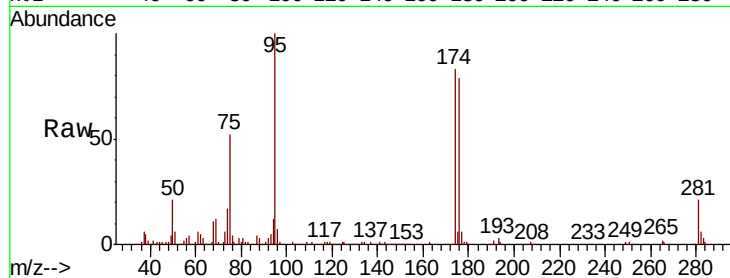
20190664-LOCATION-2

Tgt Ion: 75 Resp: 69907

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.258 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012918.D

Acq: 11 Sep 2019 15:35

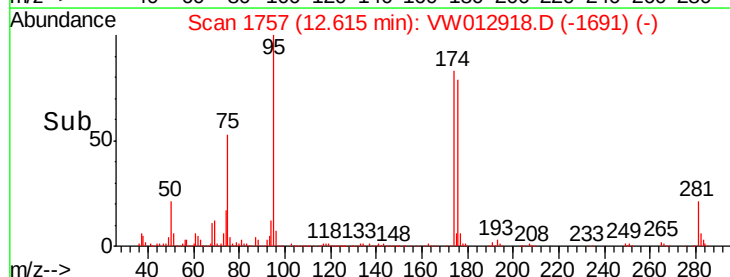
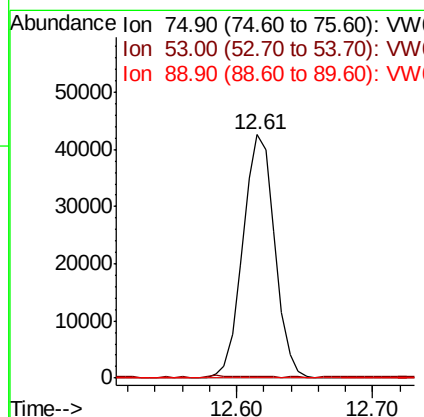
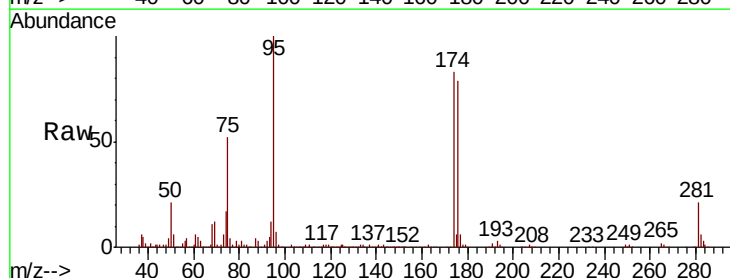
Tgt Ion: 75 Resp: 69907

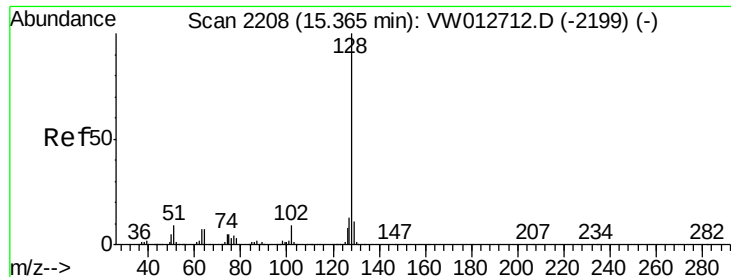
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.2 35.5 53.3#





#95
Naphthalene
Concen: 4.522 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012918.D
Acq: 11 Sep 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
20190664-LOCATION-2

Tgt Ion:128 Resp: 422
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 51.7 8.7 13.1#

