

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
 Data File : VW012917.D
 Acq On : 11 Sep 2019 15:09
 Operator : SY/VA
 Sample : K4683-01
 Misc : 4.52G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190663-LOCATION-1

Quant Time: Sep 12 07:52:36 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	235438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	355032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	285268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	108621	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	129719	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
35) Dibromofluoromethane	7.88	113	102572	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	10.32	98	412058	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.62	95	123909	41.27	ug/l	0.00
Spiked Amount			Recovery	=	82.54%	

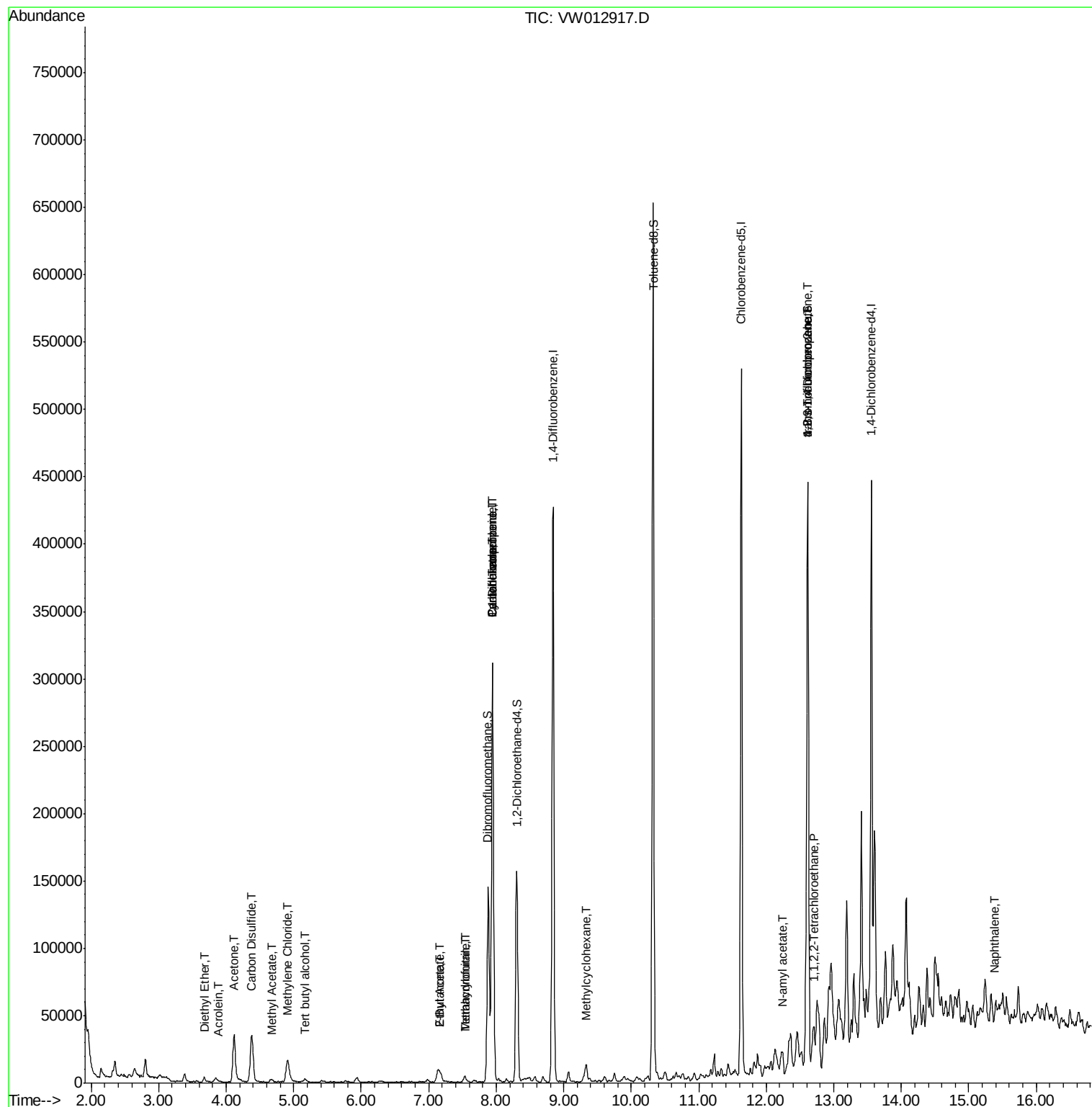
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1719	1.558	ug/l	97
11) Tert butyl alcohol	5.17	59	3738	18.572	ug/l #	92
13) Acrolein	3.89	56	756	3.540	ug/l #	14
16) Acetone	4.12	43	62965	87.798	ug/l	100
17) Carbon Disulfide	4.38	76	72951	17.676	ug/l	100
18) Methyl Acetate	4.67	43	3935	2.339	ug/l #	82
20) Methylene Chloride	4.91	84	12966	5.779	ug/l	94
25) 2-Butanone	7.17	43	11655	29.849	ug/l #	82
29) Tetrahydrofuran	7.53	42	3317	5.728	ug/l	89
31) Cyclohexane	7.94	56	6437	1.665	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	17977	5.699	ug/l #	52
37) Ethyl Acetate	7.17	43	11655	5.796	ug/l #	72
38) Carbon Tetrachloride	7.95	117	22113	7.111	ug/l #	17
39) Methylcyclohexane	9.34	83	3999	1.129	ug/l	91
41) Methacrylonitrile	7.54	41	2612	5.603	ug/l #	55
74) N-amyl acetate	12.24	43	5687	2.300	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.69	83	2577	1.647	ug/l #	43
76) 1,2,3-Trichloropropane	12.62	75	66352	59.739	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66352	126.352	ug/l #	7
95) Naphthalene	15.37	128	2728	4.985	ug/l #	74

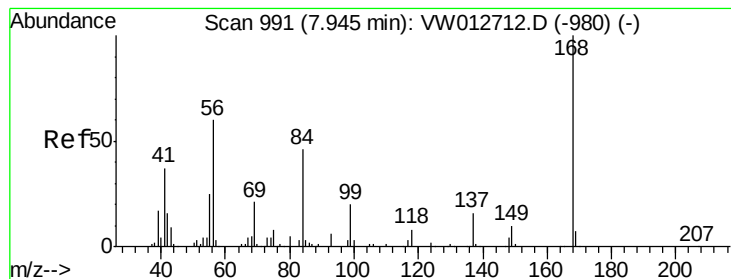
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
Data File : VW012917.D
Acq On : 11 Sep 2019 15:09
Operator : SY/VA
Sample : K4683-01
Misc : 4.52G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
20190663-LOCATION-1

Quant Time: Sep 12 07:52:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
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: VW012917.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

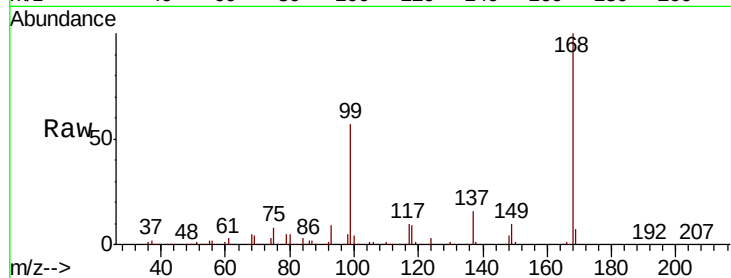
20190663-LOCATION-1

Tgt Ion:168 Resp: 235438

Ion Ratio Lower Upper

168 100

99 56.7 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

120000

100000

80000

60000

40000

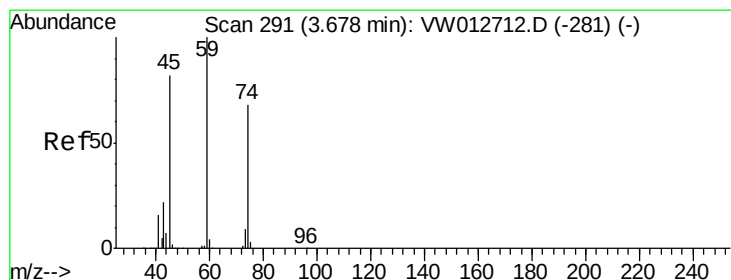
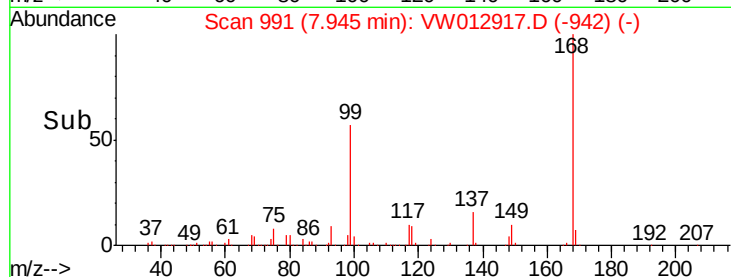
20000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 1.558 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012917.D

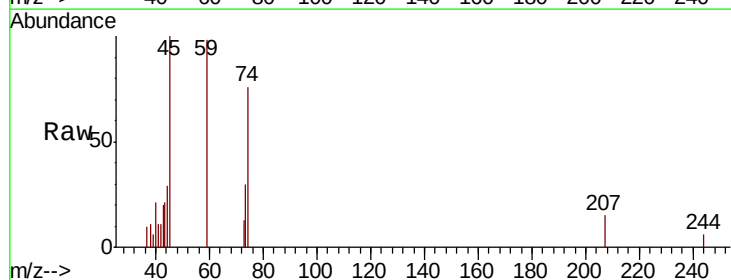
Acq: 11 Sep 2019 15:09

Tgt Ion: 74 Resp: 1719

Ion Ratio Lower Upper

74 100

45 114.3 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

1000

800

600

400

200

0

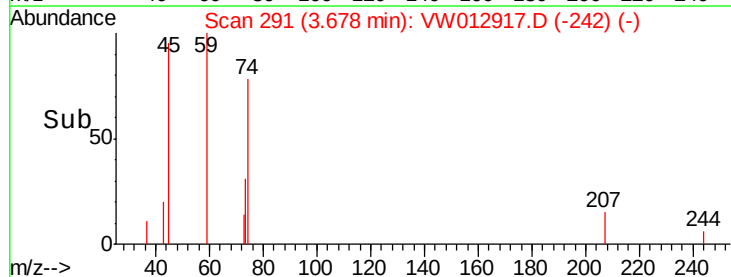
3.60

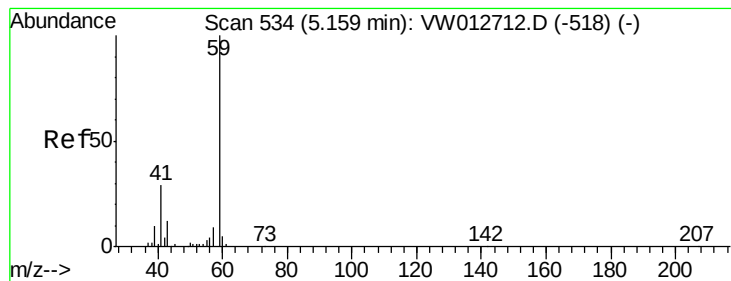
3.65

3.70

3.75

Time-->





#11

Tert butyl alcohol

Concen: 18.572 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW012917.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

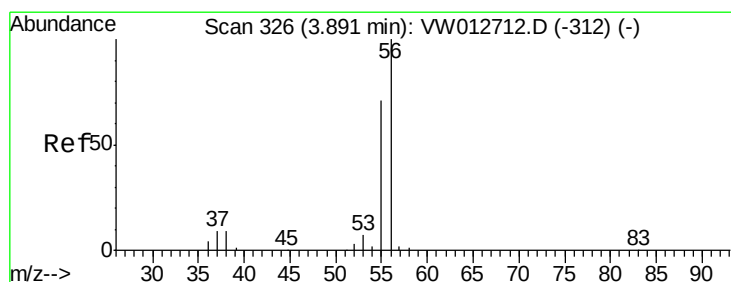
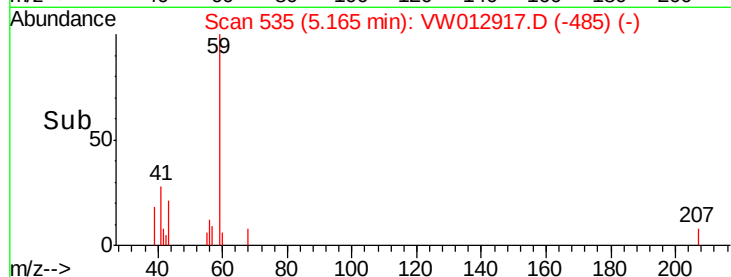
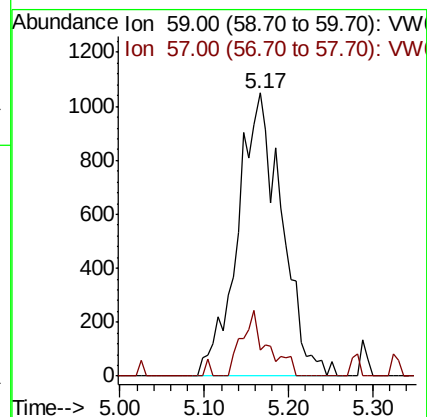
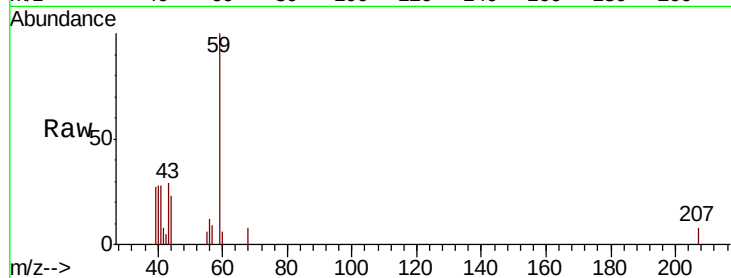
20190663-LOCATION-1

Tgt Ion: 59 Resp: 3738

Ion Ratio Lower Upper

59 100

57 13.4 8.2 12.4#



#13

Acrolein

Concen: 3.540 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012917.D

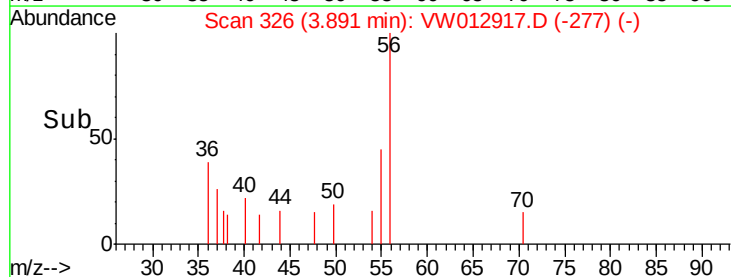
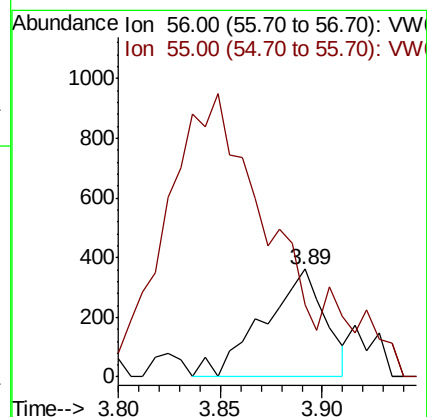
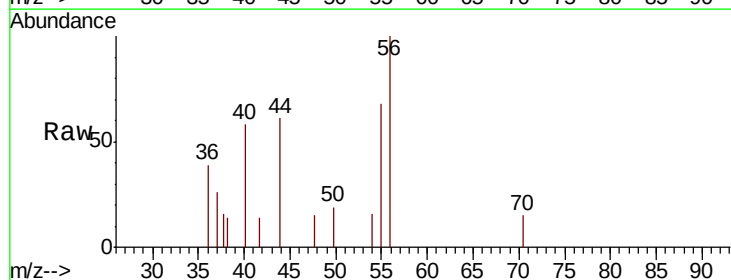
Acq: 11 Sep 2019 15:09

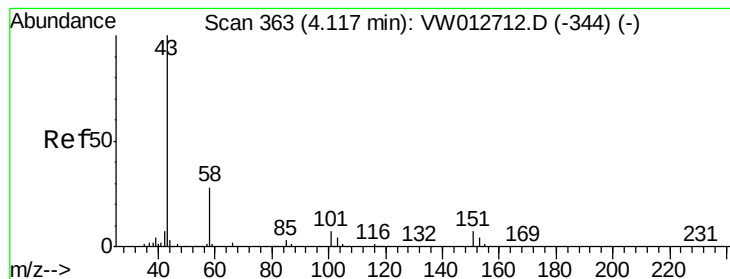
Tgt Ion: 56 Resp: 756

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#





#16

Acetone

Concen: 87.798 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012917.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

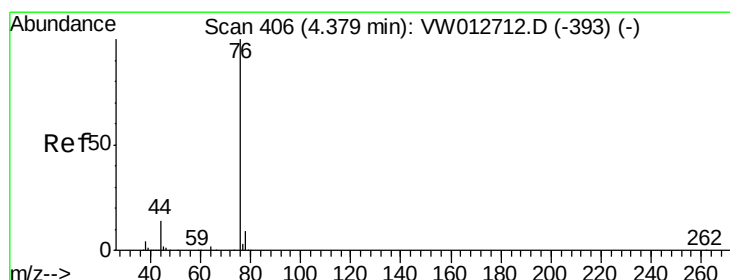
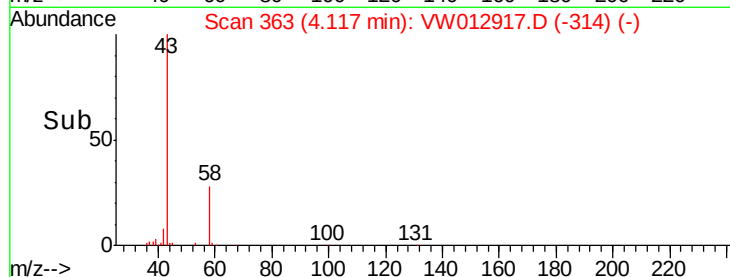
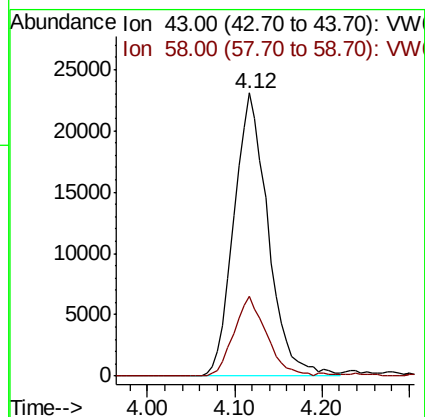
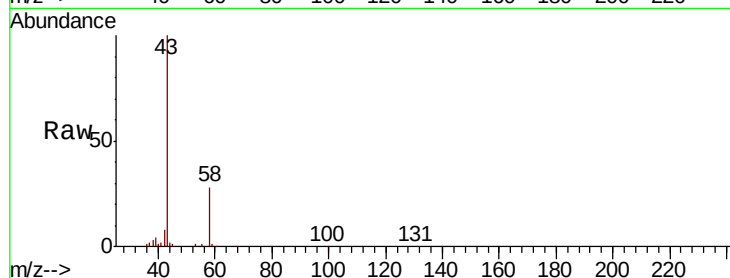
20190663-LOCATION-1

Tgt Ion: 43 Resp: 62965

Ion Ratio Lower Upper

43 100

58 28.4 22.6 33.8



#17

Carbon Disulfide

Concen: 17.676 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW012917.D

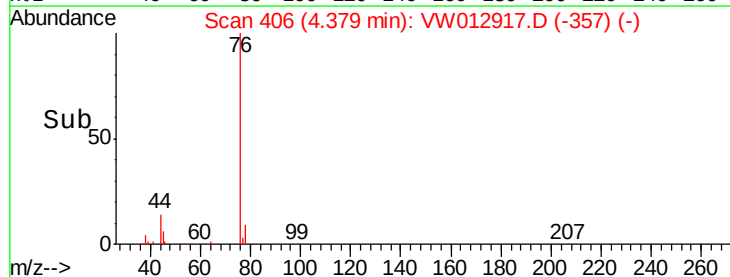
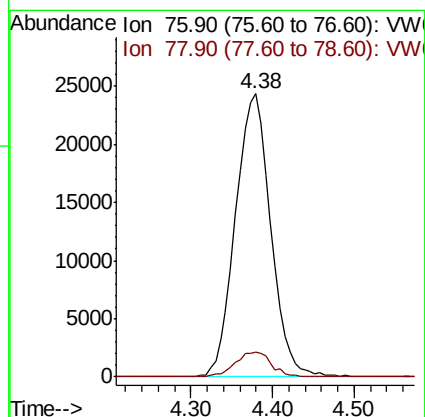
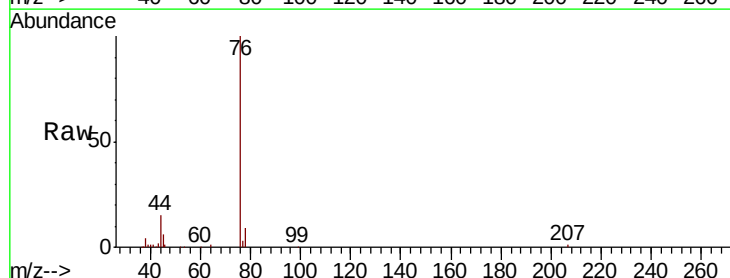
Acq: 11 Sep 2019 15:09

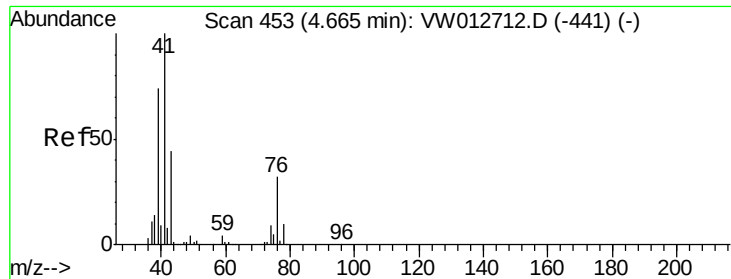
Tgt Ion: 76 Resp: 72951

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

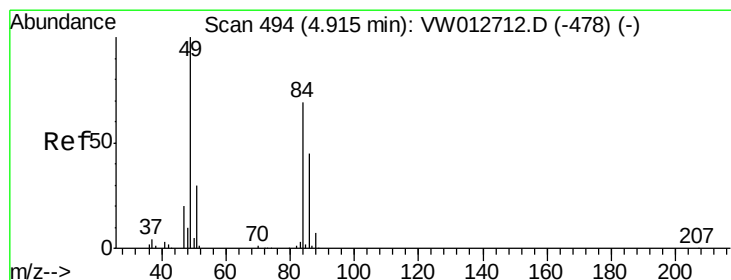
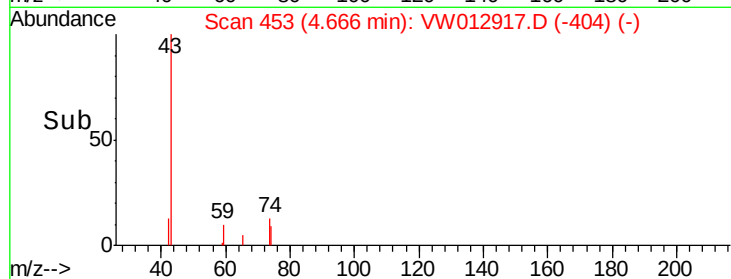
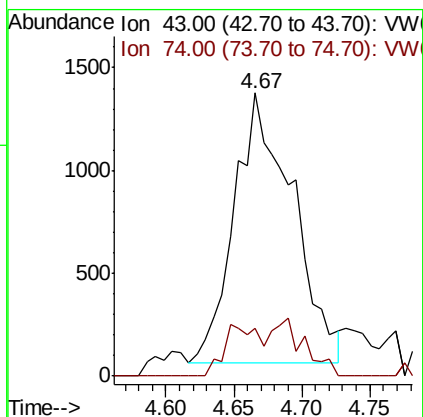
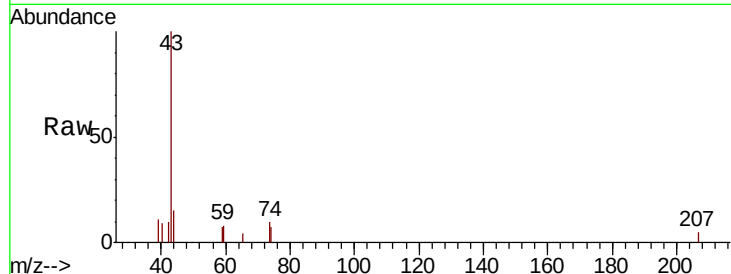




#18
Methyl Acetate
Concen: 2.339 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012917.D
Acq: 11 Sep 2019 15:09

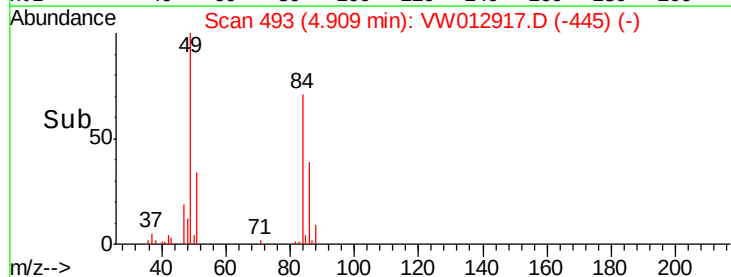
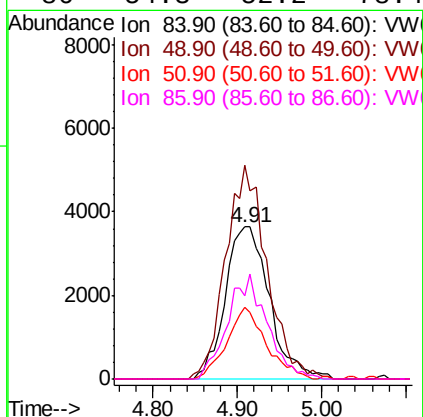
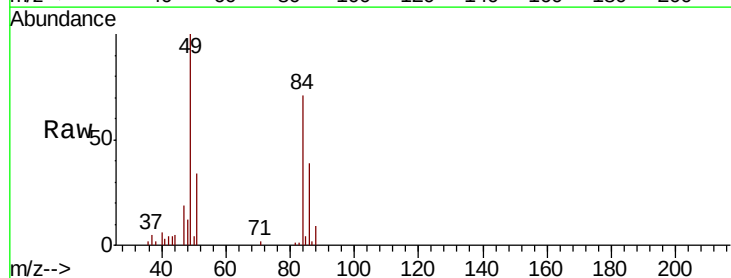
Instrument :
MSVOA_W
ClientSampleId :
20190663-LOCATION-1

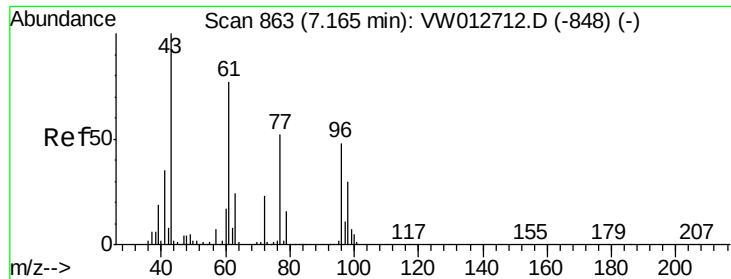
Tgt Ion: 43 Resp: 3935
Ion Ratio Lower Upper
43 100
74 11.3 15.8 23.6#



#20
Methylene Chloride
Concen: 5.779 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012917.D
Acq: 11 Sep 2019 15:09

Tgt Ion: 84 Resp: 12966
Ion Ratio Lower Upper
84 100
49 140.2 115.4 173.0
51 47.4 34.9 52.3
86 54.3 52.2 78.4





#25

2-Butanone

Concen: 29.849 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012917.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

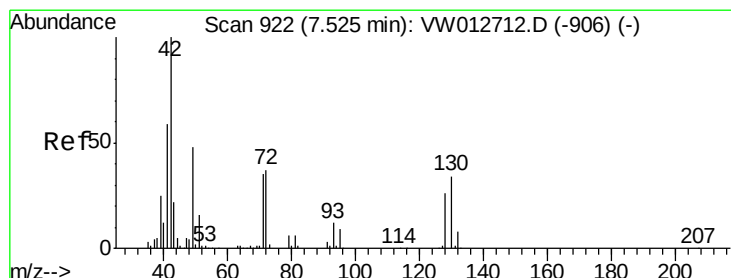
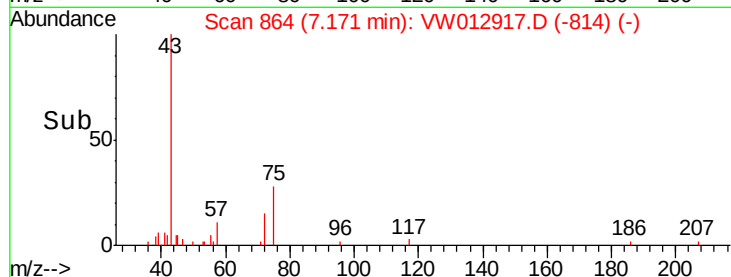
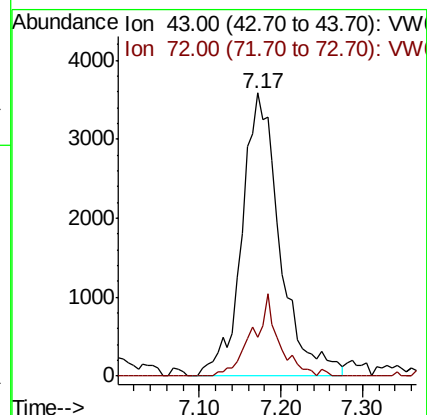
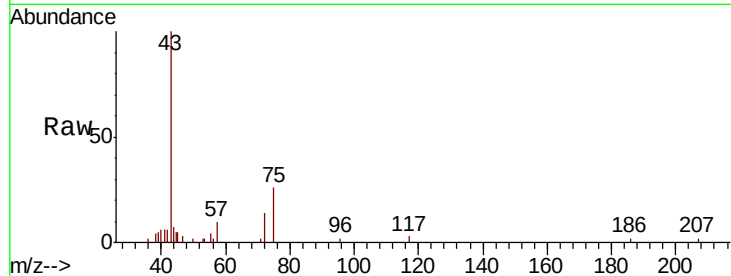
20190663-LOCATION-1

Tgt Ion: 43 Resp: 11655

Ion Ratio Lower Upper

43 100

72 13.7 18.0 27.0#



#29

Tetrahydrofuran

Concen: 5.728 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012917.D

Acq: 11 Sep 2019 15:09

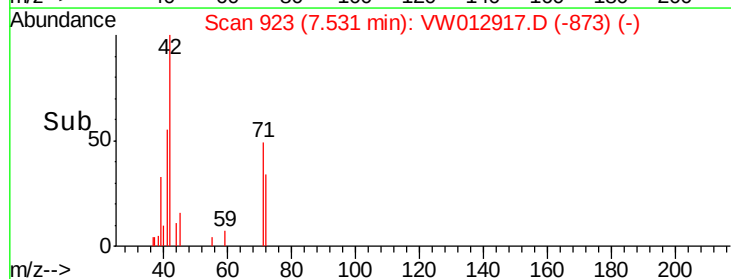
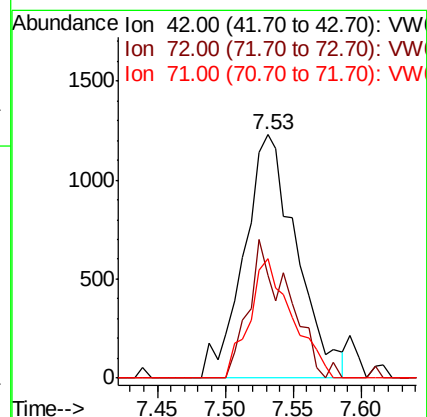
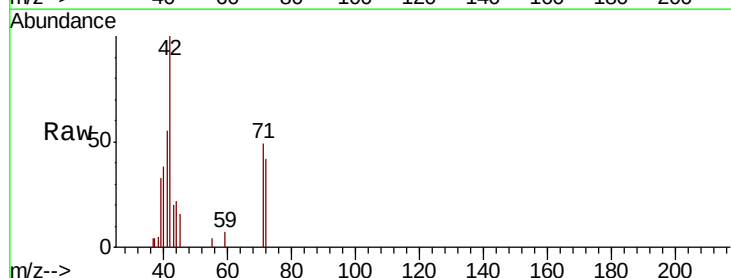
Tgt Ion: 42 Resp: 3317

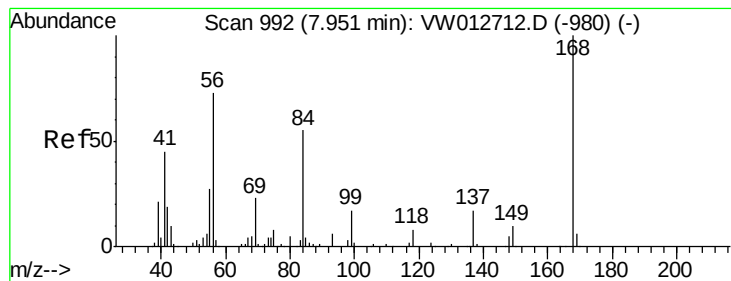
Ion Ratio Lower Upper

42 100

72 42.5 28.4 42.6

71 39.9 27.1 40.7





#31

Cyclohexane

Concen: 1.665 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012917.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

20190663-LOCATION-1

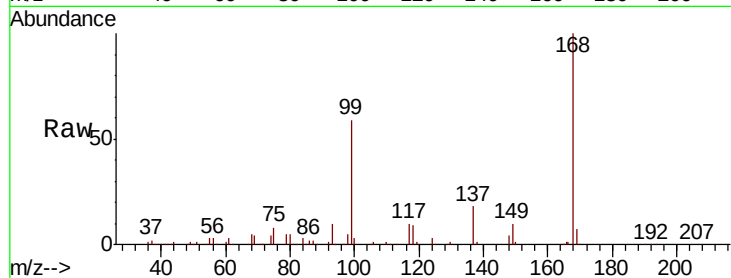
Tgt Ion: 56 Resp: 6437

Ion Ratio Lower Upper

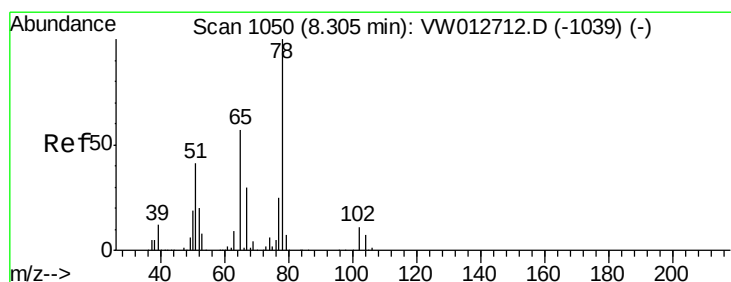
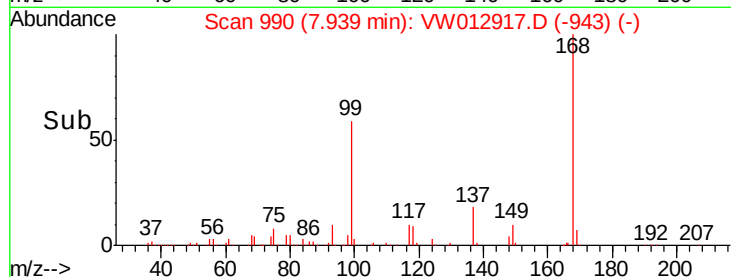
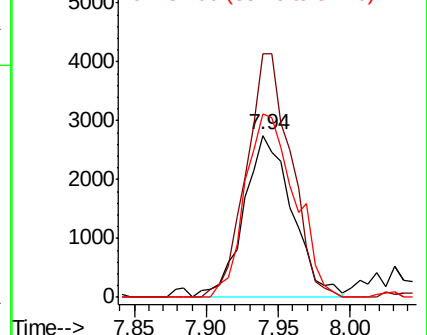
56 100

69 150.1 25.7 38.5#

84 113.5 60.4 90.6#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 49.311 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012917.D

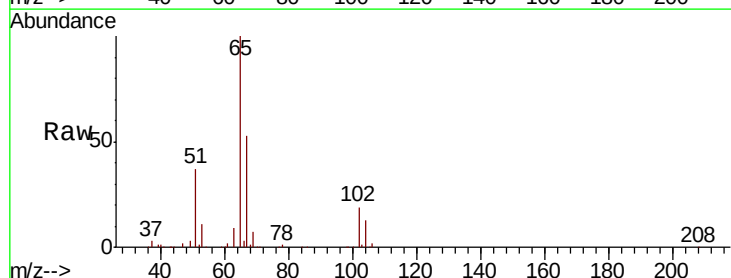
Acq: 11 Sep 2019 15:09

Tgt Ion: 65 Resp: 129719

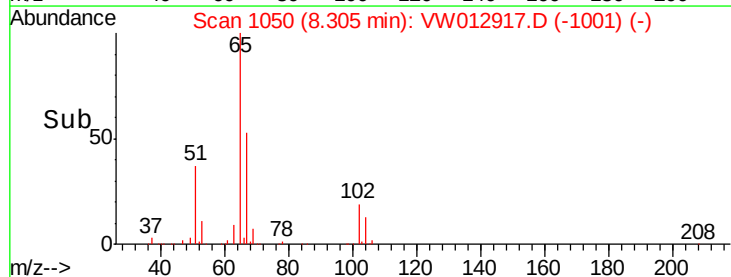
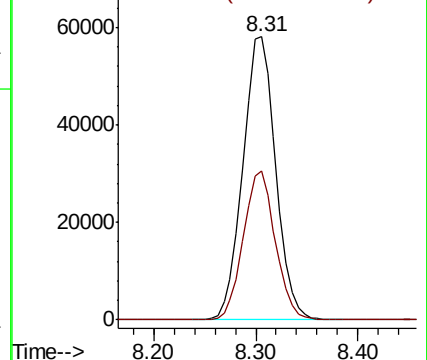
Ion Ratio Lower Upper

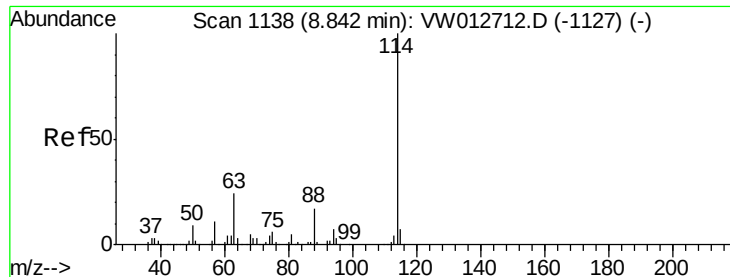
65 100

67 51.3 0.0 101.8



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

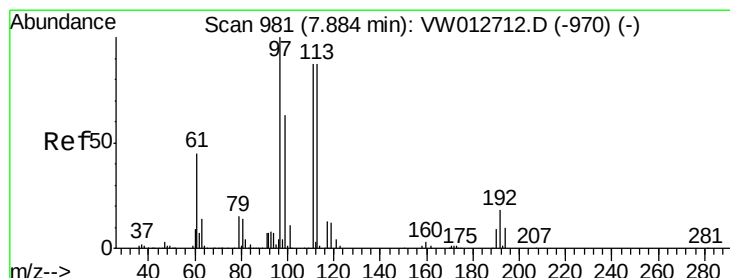
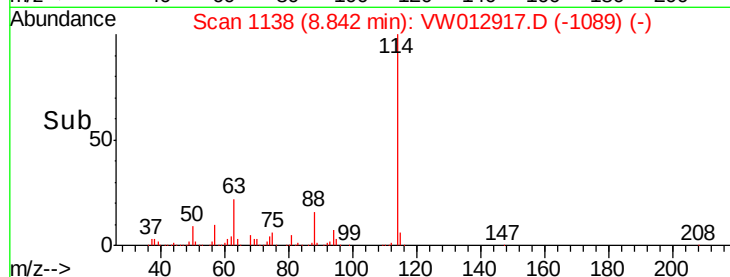
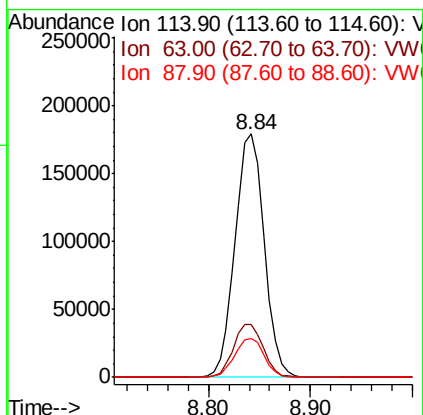
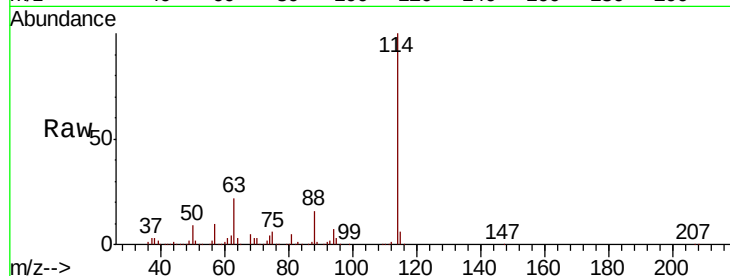




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012917.D
 Acq: 11 Sep 2019 15:09

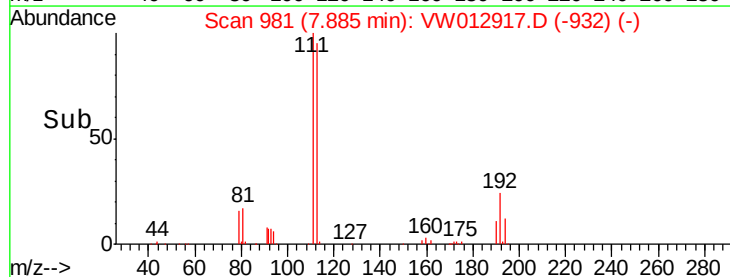
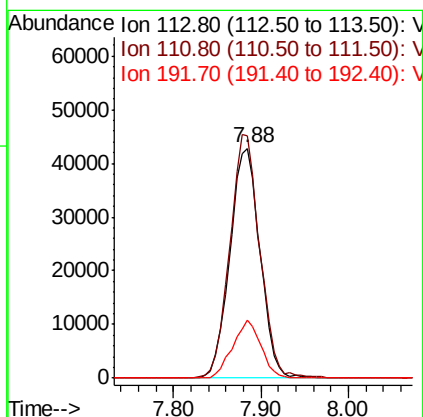
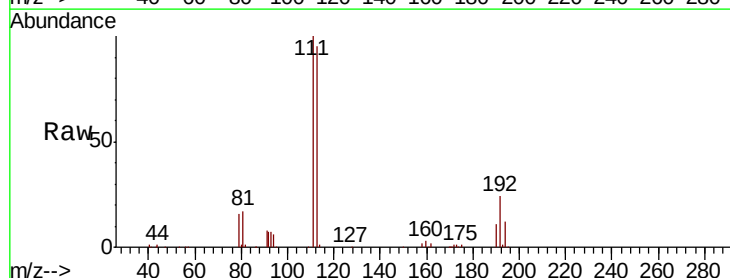
Instrument :
 MSVOA_W
 ClientSampleId :
 20190663-LOCATION-1

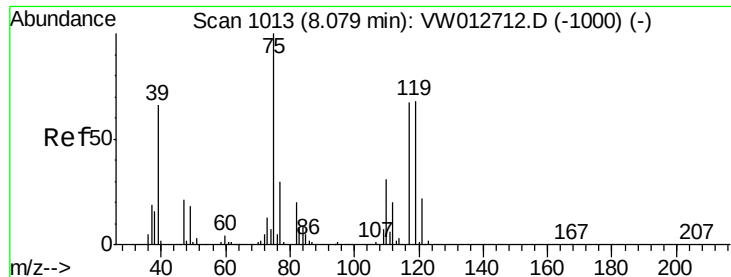
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	47.2
88	16.0	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 48.595 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012917.D
 Acq: 11 Sep 2019 15:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.1	80.2	120.4
192	23.7	17.3	25.9

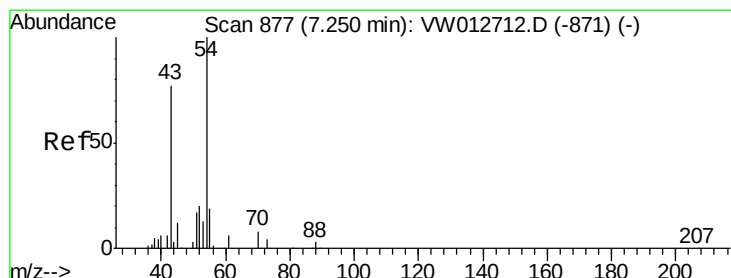
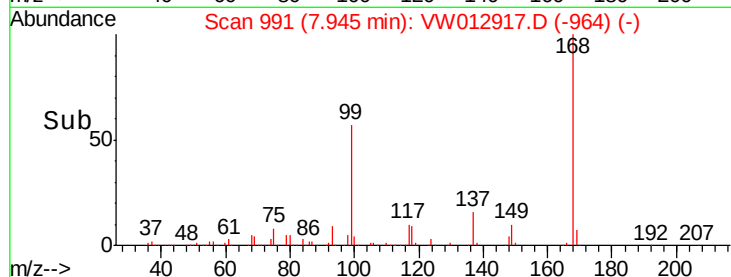
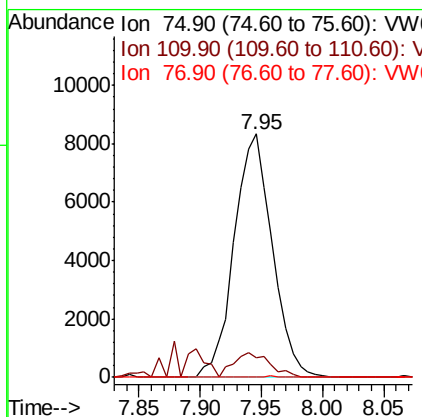
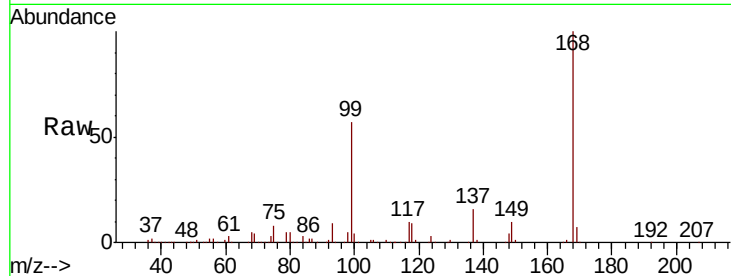




#36
 1,1-Dichloropropene
 Concen: 5.699 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012917.D
 Acq: 11 Sep 2019 15:09

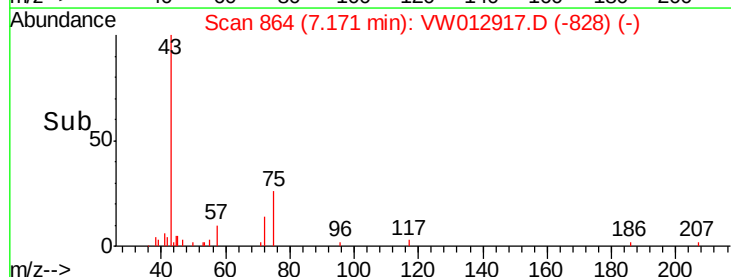
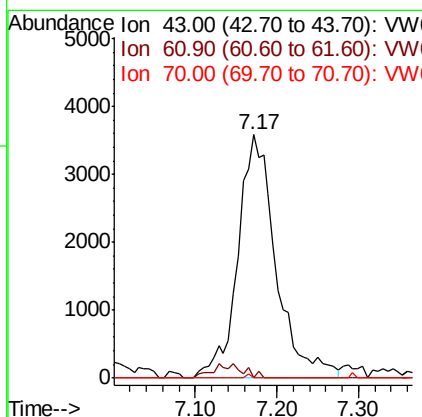
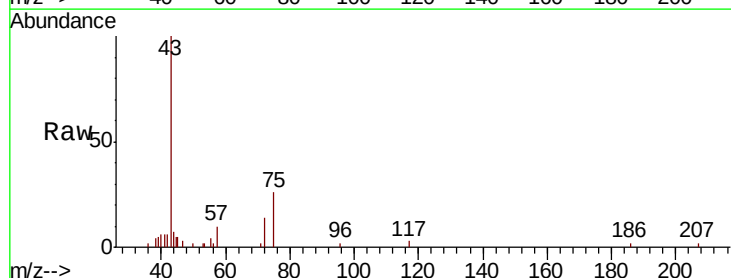
Instrument :
 MSVOA_W
 ClientSampleId :
 20190663-LOCATION-1

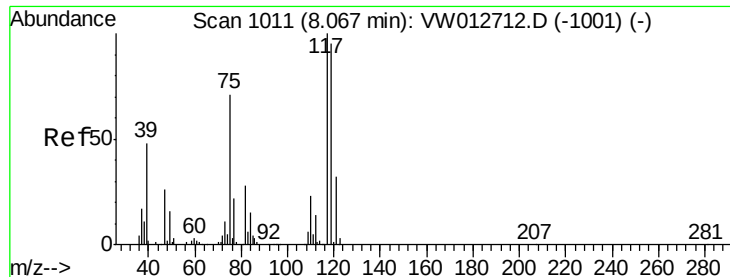
Tgt Ion: 75 Resp: 17977
 Ion Ratio Lower Upper
 75 100
 110 9.7 15.9 47.7#
 77 0.1 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 5.796 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW012917.D
 Acq: 11 Sep 2019 15:09

Tgt Ion: 43 Resp: 11655
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.5 14.3#
 70 0.2 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 7.111 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012917.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

20190663-LOCATION-1

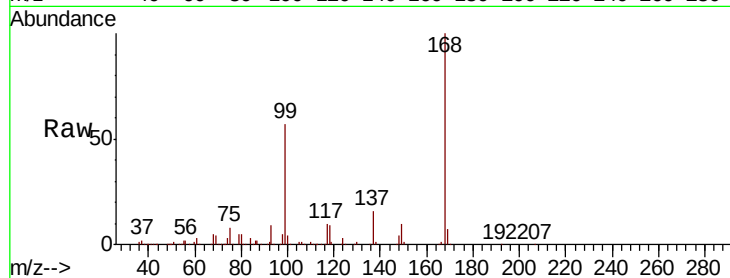
Tgt Ion:117 Resp: 22113

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.2#

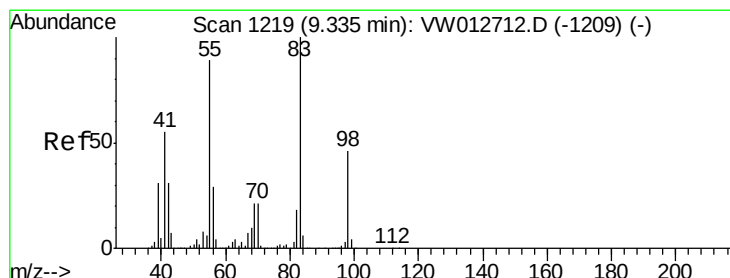
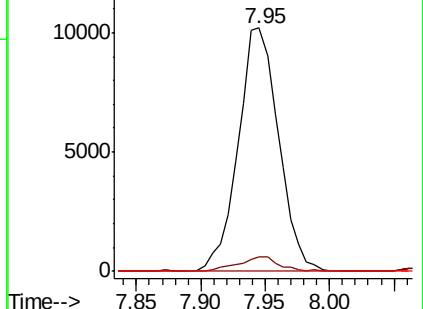
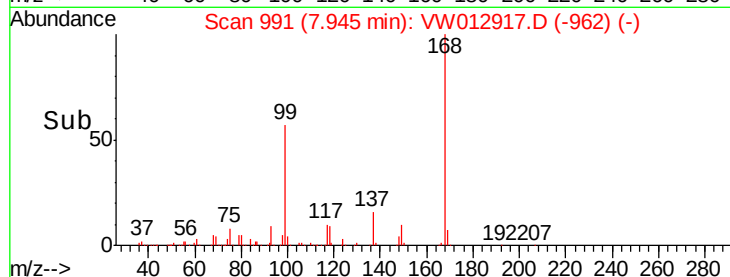
121 0.0 25.4 38.2#



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



#39

Methylcyclohexane

Concen: 1.129 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW012917.D

Acq: 11 Sep 2019 15:09

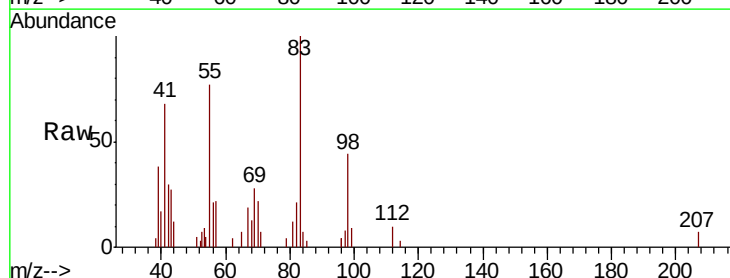
Tgt Ion: 83 Resp: 3999

Ion Ratio Lower Upper

83 100

55 77.4 71.0 106.4

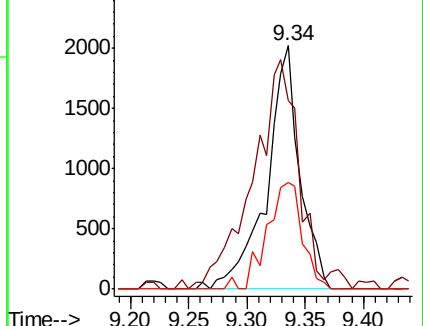
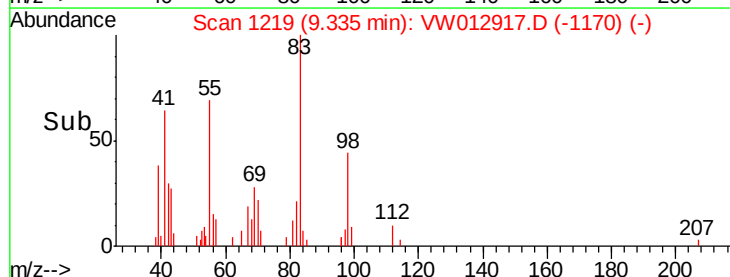
98 43.8 36.9 55.3

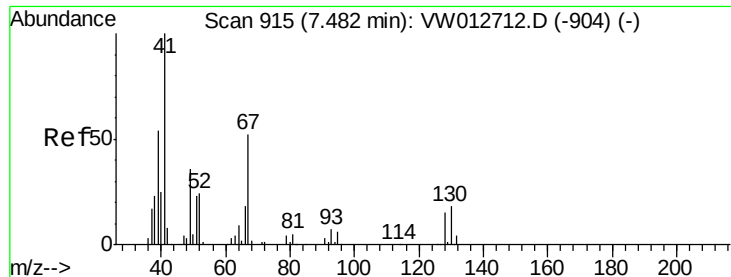


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

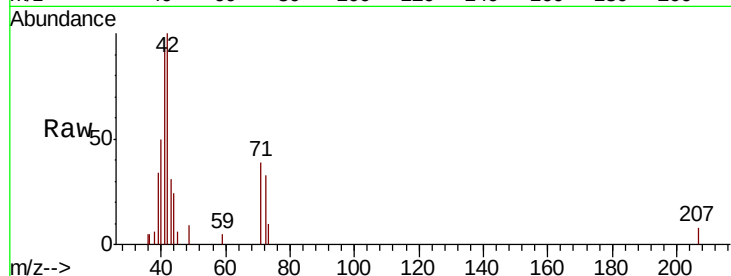




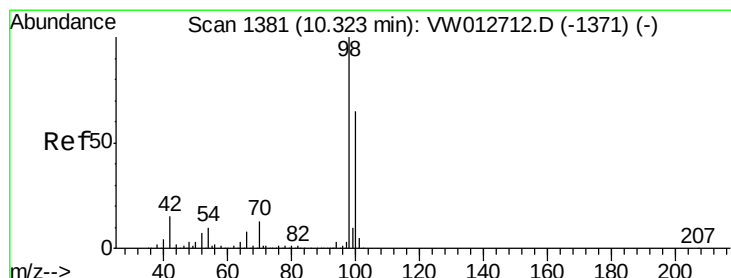
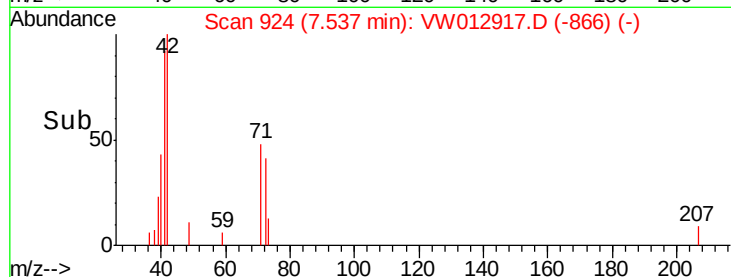
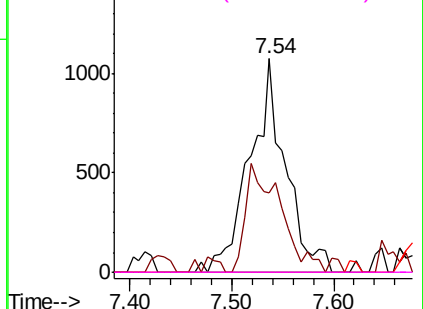
#41
Methacrylonitrile
Concen: 5.603 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.06 min
Lab File: VW012917.D
Acq: 11 Sep 2019 15:09

Instrument :
MSVOA_W
ClientSampleId :
20190663-LOCATION-1

Tgt Ion: 41 Resp: 2612
Ion Ratio Lower Upper
41 100
39 50.0 47.5 71.3
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#

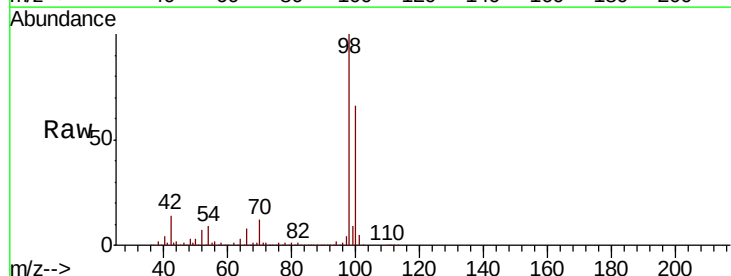


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

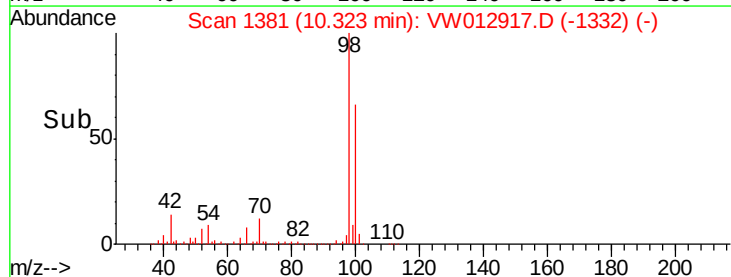
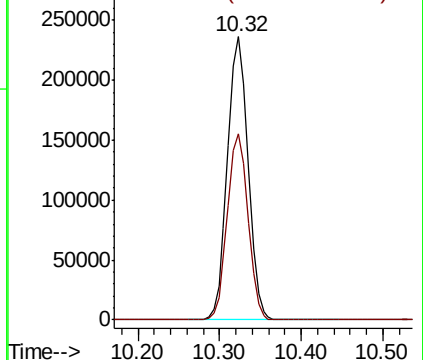


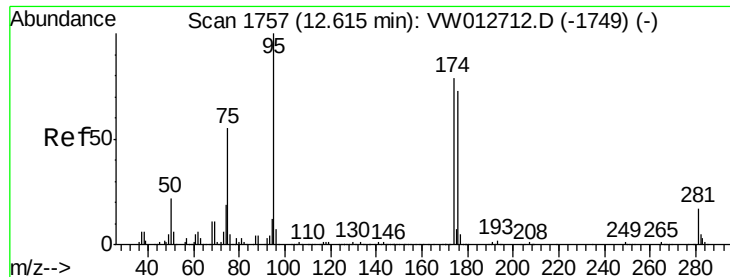
#50
Toluene-d8
Concen: 49.829 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012917.D
Acq: 11 Sep 2019 15:09

Tgt Ion: 98 Resp: 412058
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 41.274 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012917.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

20190663-LOCATION-1

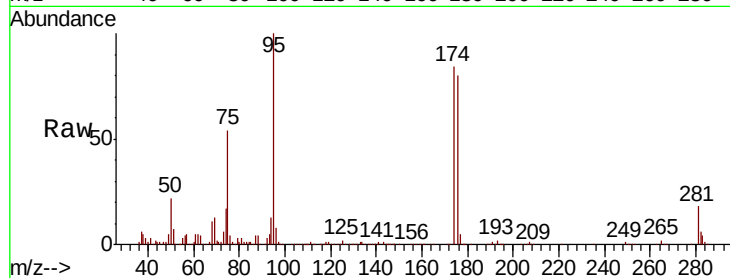
Tgt Ion: 95 Resp: 123909

Ion Ratio Lower Upper

95 100

174 85.7 0.0 161.0

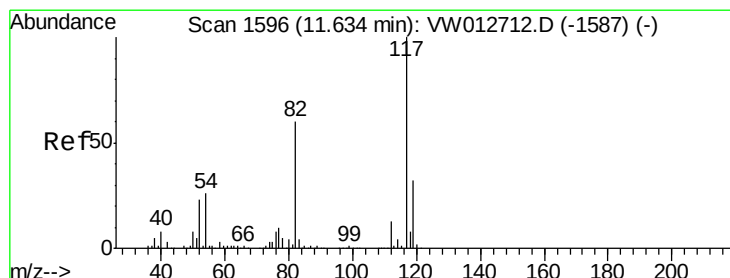
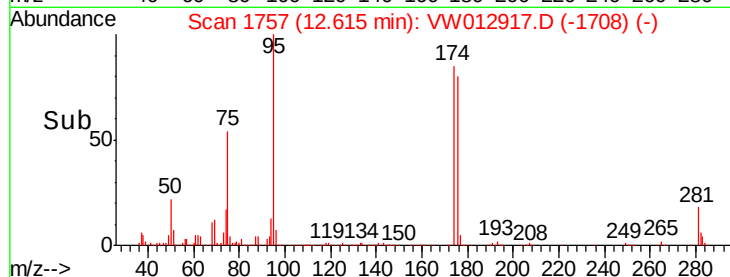
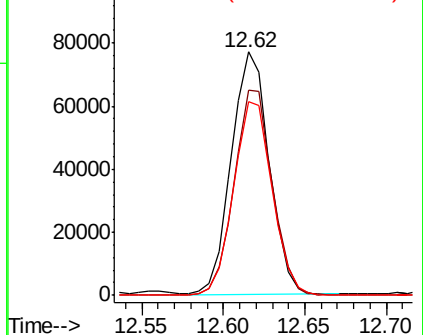
176 82.1 0.0 156.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012917.D

Acq: 11 Sep 2019 15:09

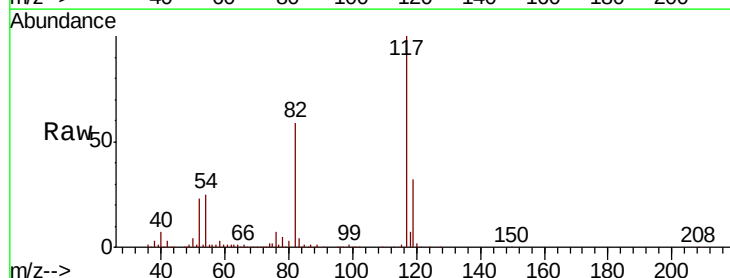
Tgt Ion: 117 Resp: 285268

Ion Ratio Lower Upper

117 100

82 58.9 48.2 72.4

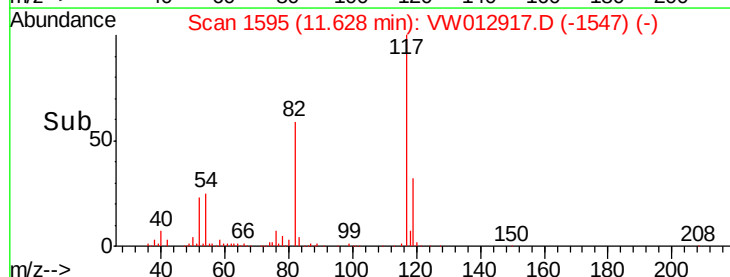
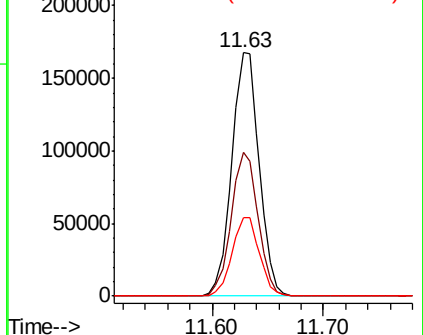
119 32.3 25.8 38.6

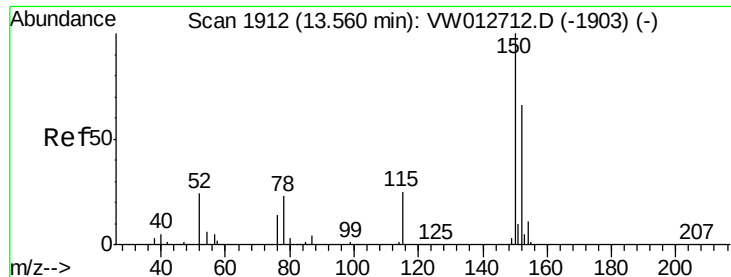


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



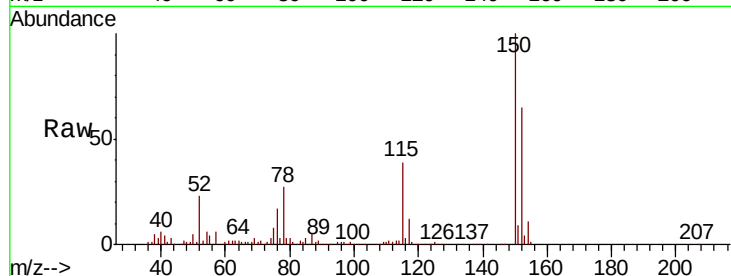


#72

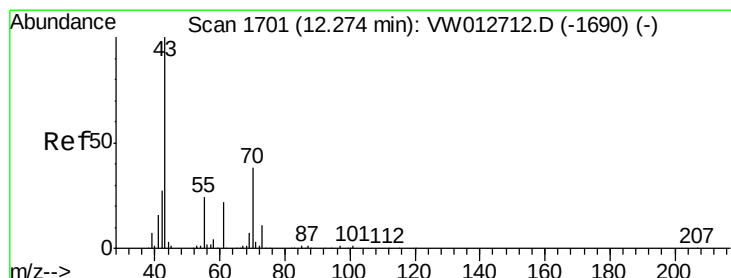
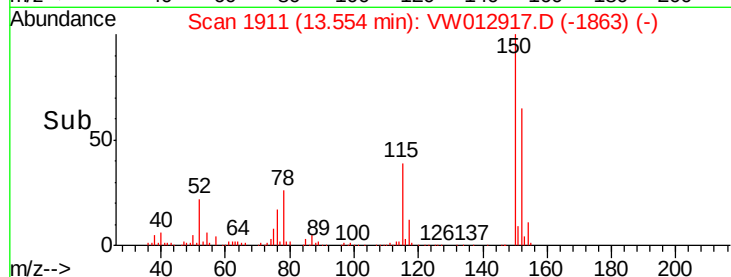
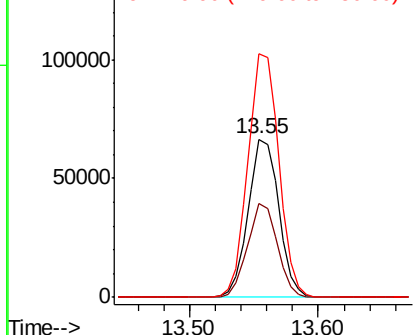
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012917.D
Acq: 11 Sep 2019 15:09

Instrument :
MSVOA_W
ClientSampleId :
20190663-LOCATION-1

Tgt Ion:152 Resp: 108621
Ion Ratio Lower Upper
152 100
115 58.0 30.0 90.1
150 155.8 0.0 349.0



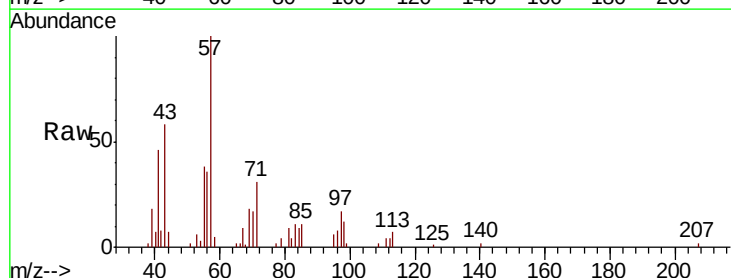
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



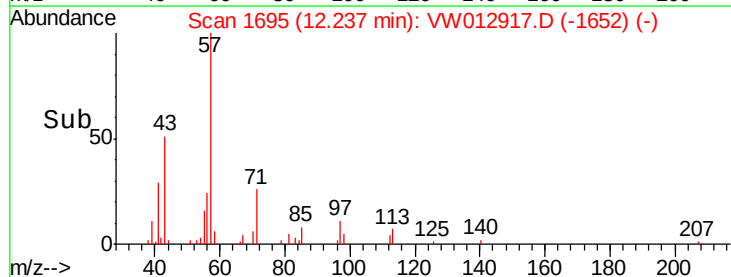
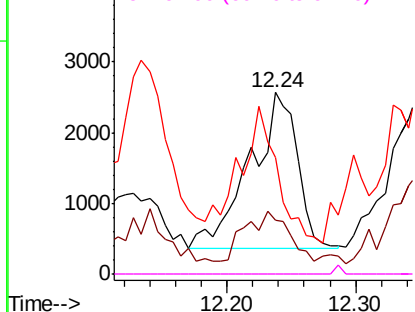
#74

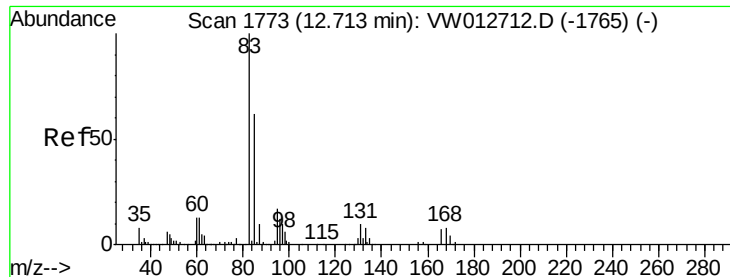
N-ethyl acetate
Concen: 2.300 ug/l
RT: 12.24 min Scan# 1695
Delta R.T. -0.04 min
Lab File: VW012917.D
Acq: 11 Sep 2019 15:09

Tgt Ion: 43 Resp: 5687
Ion Ratio Lower Upper
43 100
70 28.8 29.4 44.0#
55 70.7 18.6 27.8#
61 0.0 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 1.647 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW012917.D

Acq: 11 Sep 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

20190663-LOCATION-1

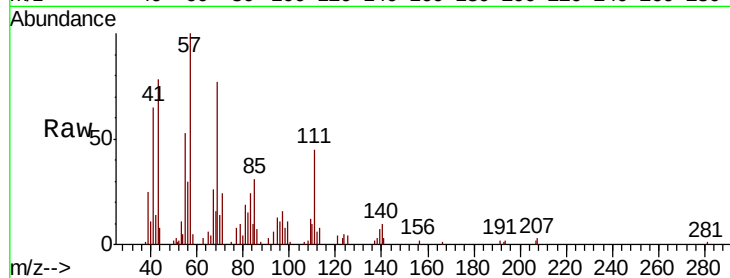
Tgt Ion: 83 Resp: 2577

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

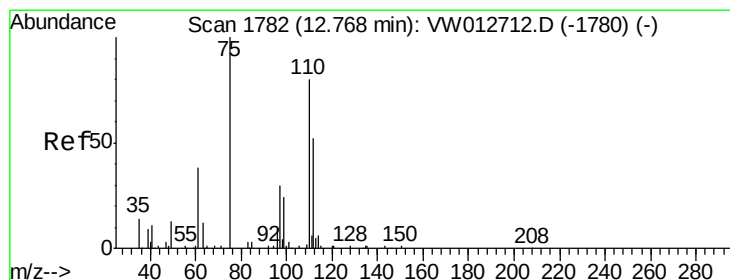
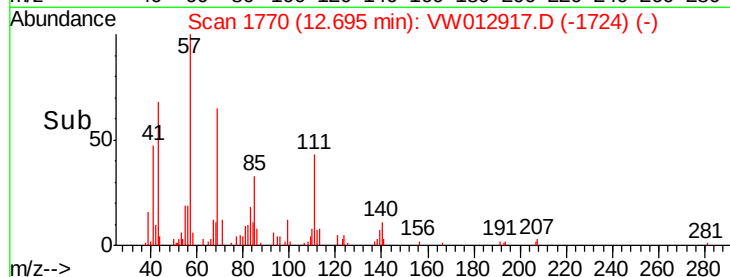
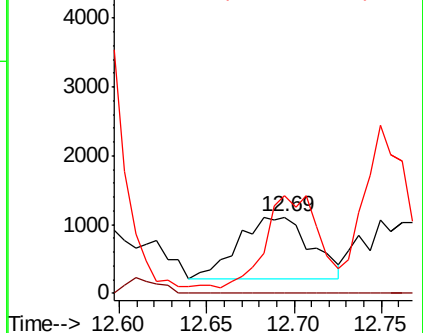
85 110.4 31.4 94.2#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 59.739 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012917.D

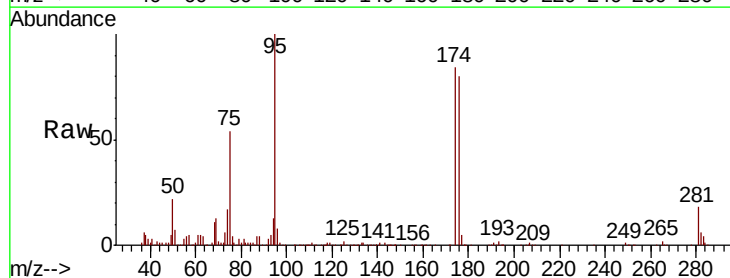
Acq: 11 Sep 2019 15:09

Tgt Ion: 75 Resp: 66352

Ion Ratio Lower Upper

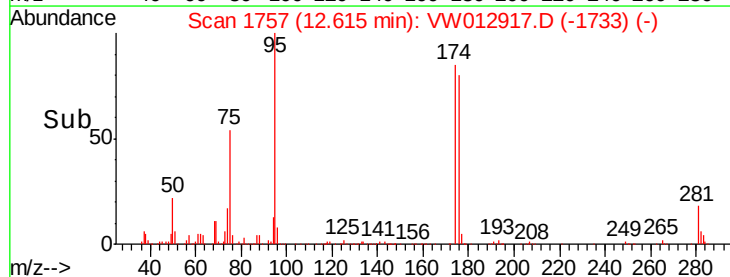
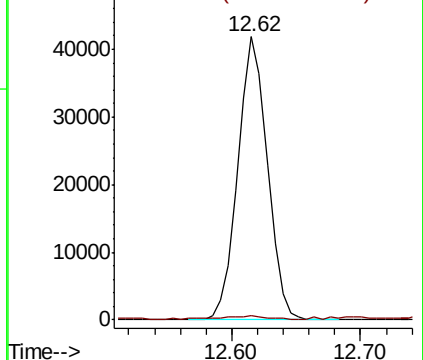
75 100

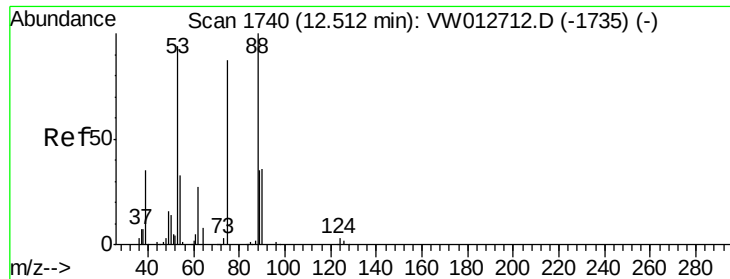
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

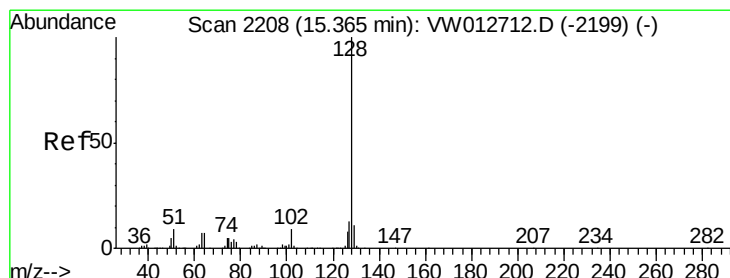
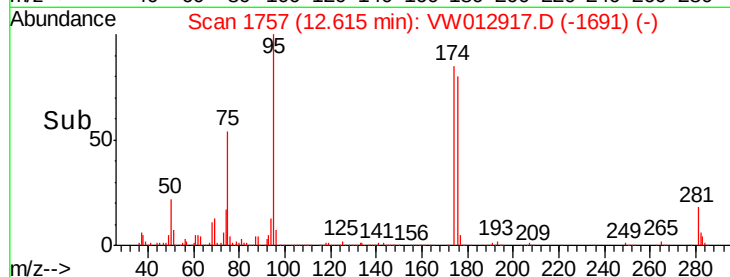
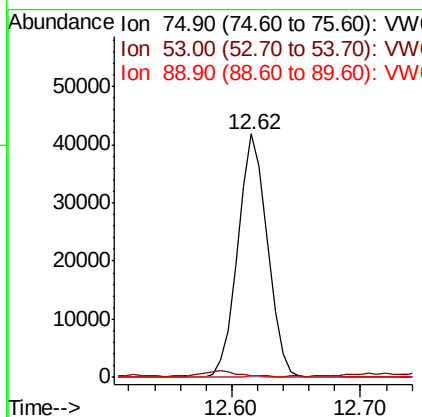
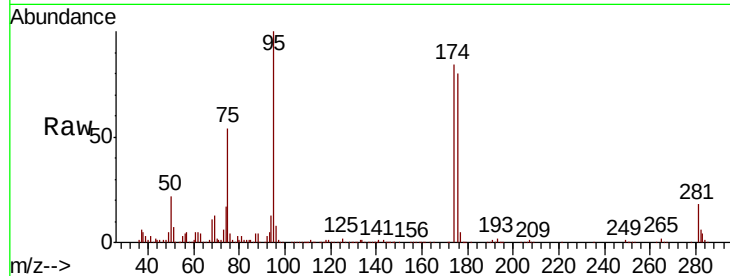




#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.352 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012917.D
 Acq: 11 Sep 2019 15:09

Instrument :
 MSVOA_W
 ClientSampleId :
 20190663-LOCATION-1

Tgt Ion: 75 Resp: 66352
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.4 35.5 53.3#



#95
 Naphthalene
 Concen: 4.985 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW012917.D
 Acq: 11 Sep 2019 15:09

Tgt Ion: 128 Resp: 2728
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 4.5 8.7 13.1#

