

Data File : VW012831.D
Acq On : 09 Sep 2019 19:25
Operator : SY/VA
Sample : K4653-01
Misc : 5.08G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
287

Quant Time: Sep 10 07:03:09 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	230891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	284118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	119497	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
35) Dibromofluoromethane	7.88	113	81276	39.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.14%	
50) Toluene-d8	10.32	98	409874	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.62	95	129353	43.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.44%	

Target Compounds

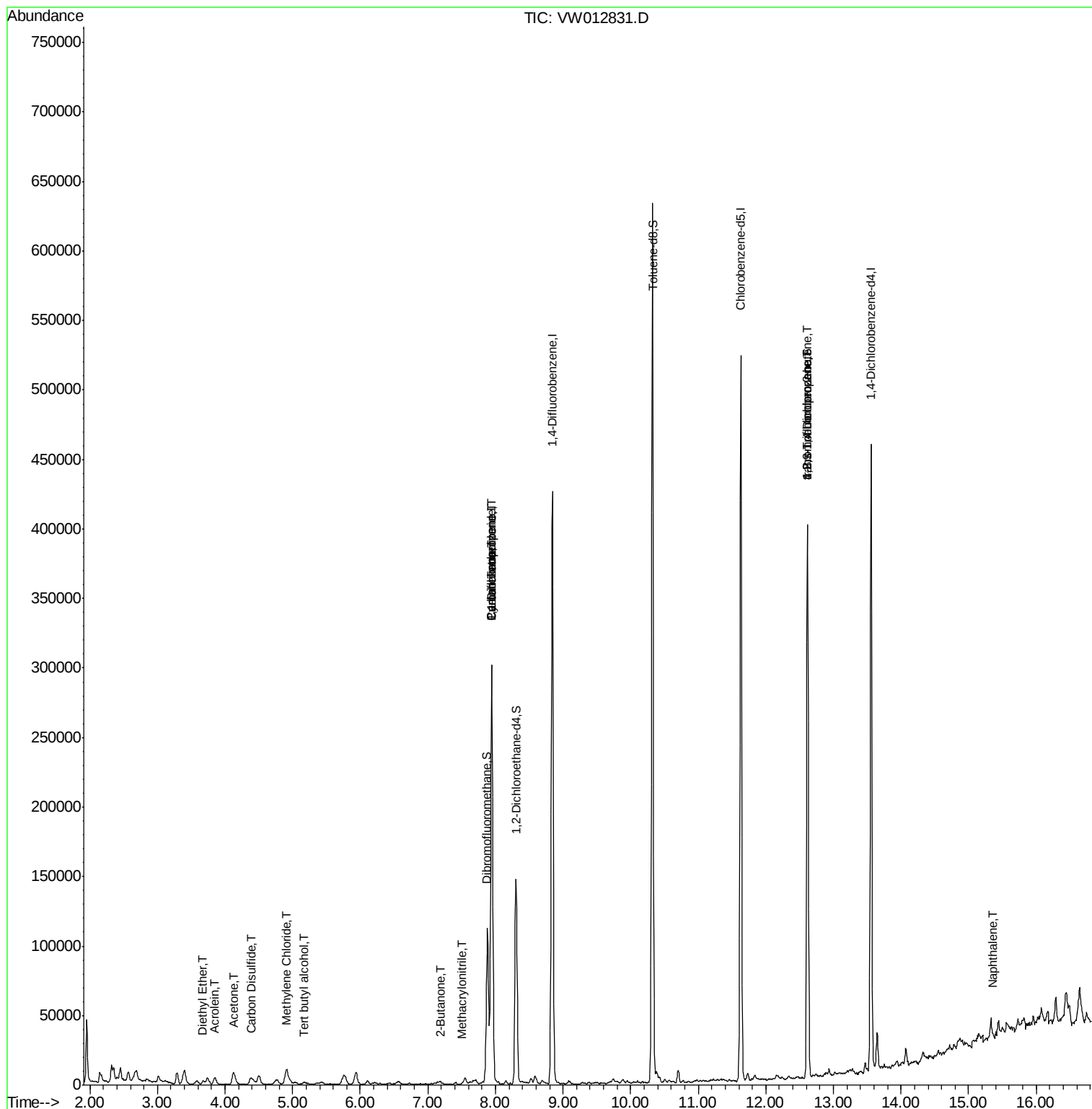
						Qvalue
8) Diethyl Ether	3.67	74	1455	1.345	ug/l	89
11) Tert butyl alcohol	5.17	59	2883	14.606	ug/l	95
13) Acrolein	3.85	56	269	1.284	ug/l #	1
16) Acetone	4.12	43	13972	19.866	ug/l #	89
17) Carbon Disulfide	4.39	76	8225	2.032	ug/l	97
20) Methylene Chloride	4.90	84	8244	3.747	ug/l	86
25) 2-Butanone	7.18	43	3635	22.914	ug/l #	79
31) Cyclohexane	7.94	56	5839	1.540	ug/l #	15
36) 1,1-Dichloropropene	7.94	75	17510	5.632	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21892	7.143	ug/l #	16
41) Methacrylonitrile	7.50	41	222	3.991	ug/l #	36
76) 1,2,3-Trichloropropane	12.62	75	66453	54.691	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66453	115.676	ug/l #	7
95) Naphthalene	15.36	128	1675	4.745	ug/l #	74

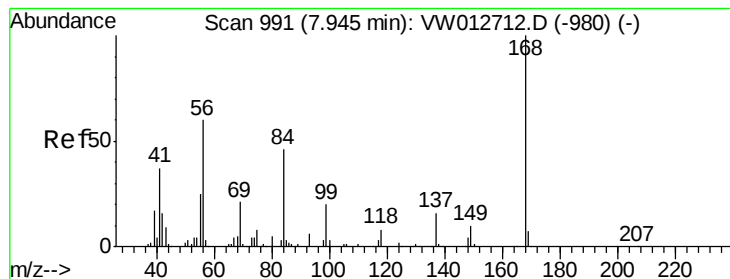
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012831.D

Acq: 09 Sep 2019 19:25

Instrument :

MSVOA_W

ClientSampled :

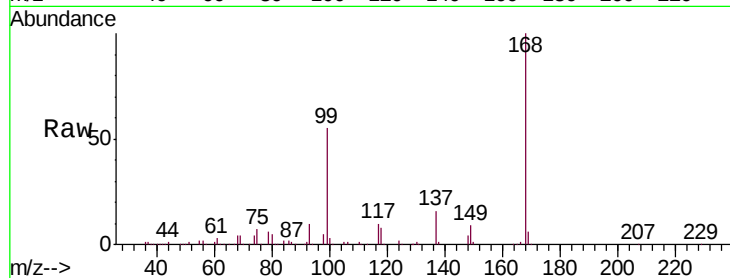
287

Tgt Ion:168 Resp: 230891

Ion Ratio Lower Upper

168 100

99 55.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

20000

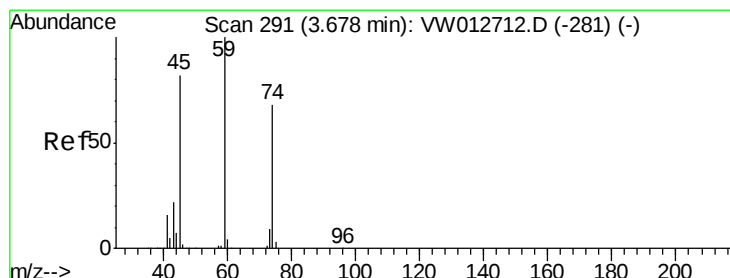
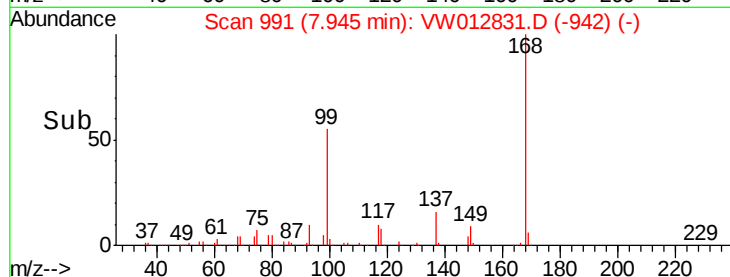
0

7.80

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 1.345 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012831.D

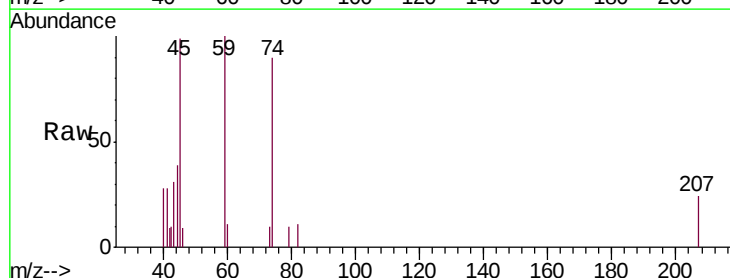
Acq: 09 Sep 2019 19:25

Tgt Ion: 74 Resp: 1455

Ion Ratio Lower Upper

74 100

45 129.6 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

800

600

400

200

0

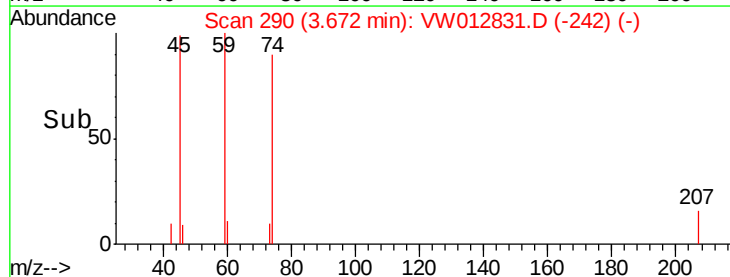
3.60

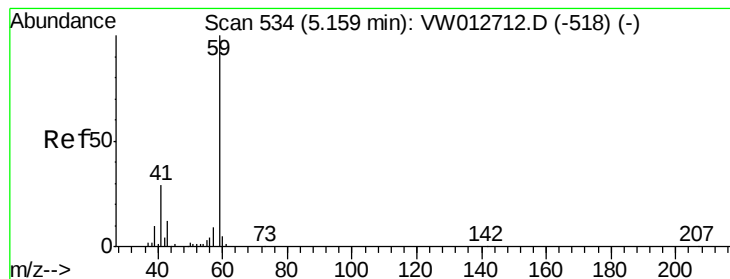
3.65

3.70

3.75

Time-->





#11

Tert butyl alcohol

Concen: 14.606 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW012831.D

Acq: 09 Sep 2019 19:25

Instrument :

MSVOA_W

ClientSampled :

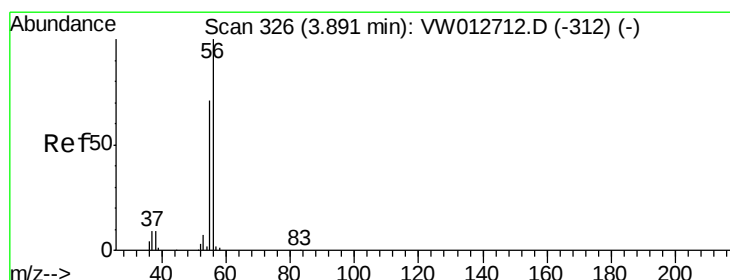
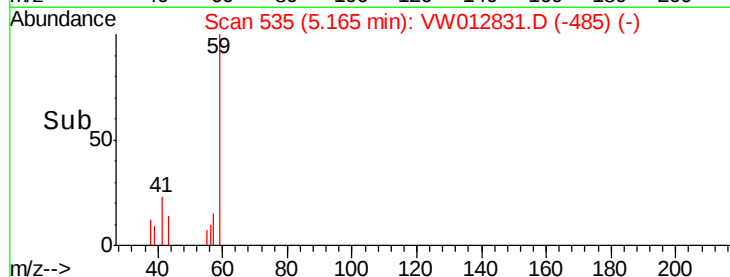
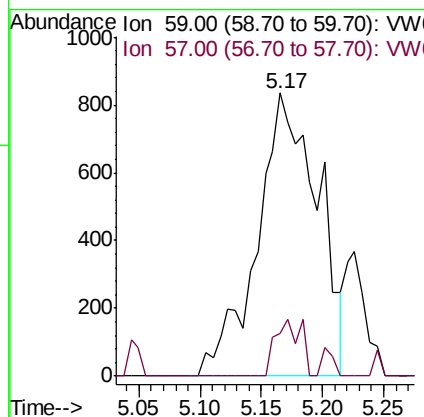
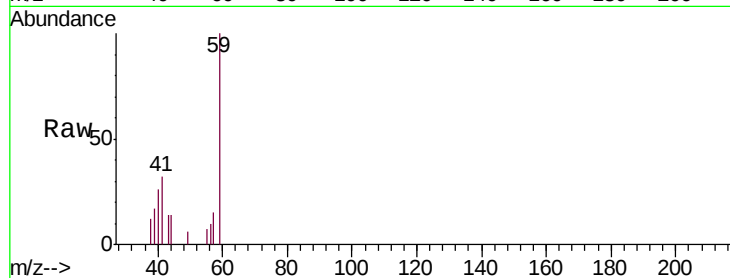
287

Tgt Ion: 59 Resp: 2883

Ion Ratio Lower Upper

59 100

57 8.6 8.2 12.4



#13

Acrolein

Concen: 1.284 ug/l

RT: 3.85 min Scan# 320

Delta R.T. -0.04 min

Lab File: VW012831.D

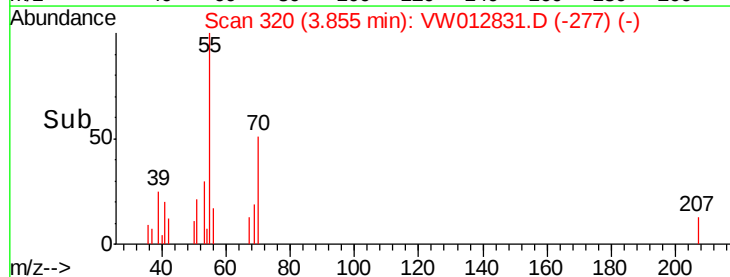
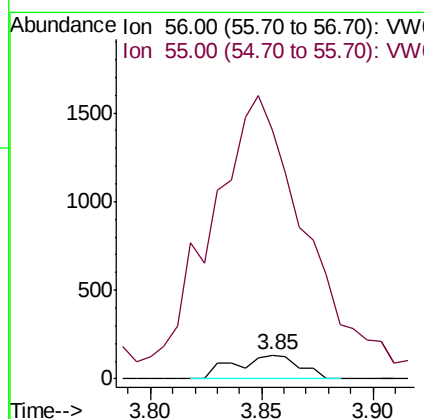
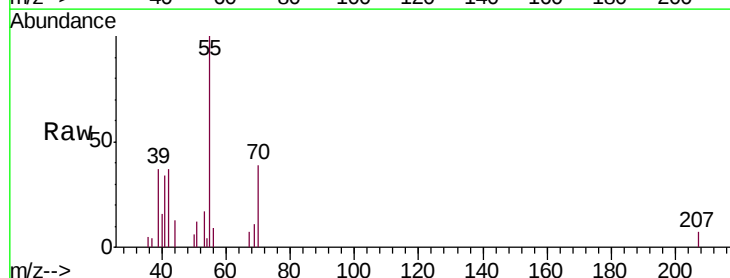
Acq: 09 Sep 2019 19:25

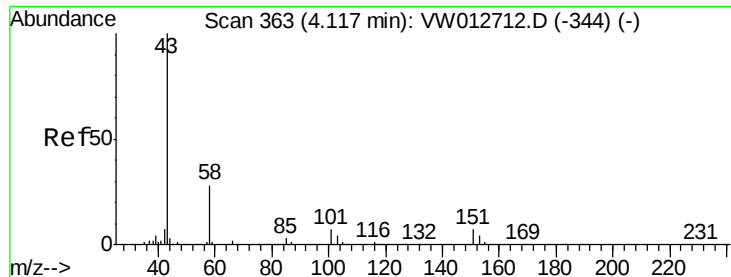
Tgt Ion: 56 Resp: 269

Ion Ratio Lower Upper

56 100

55 1839.0 56.9 85.3#





#16

Acetone

Concen: 19.866 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012831.D

Acq: 09 Sep 2019 19:25

Instrument :

MSVOA_W

ClientSampled :

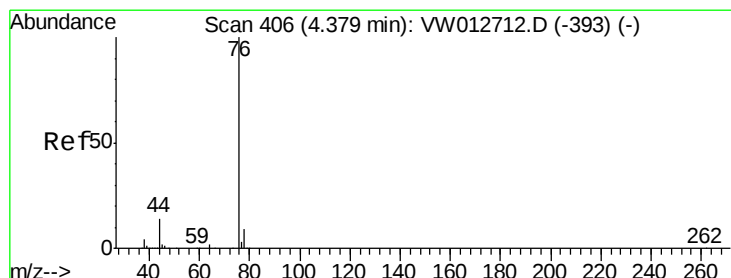
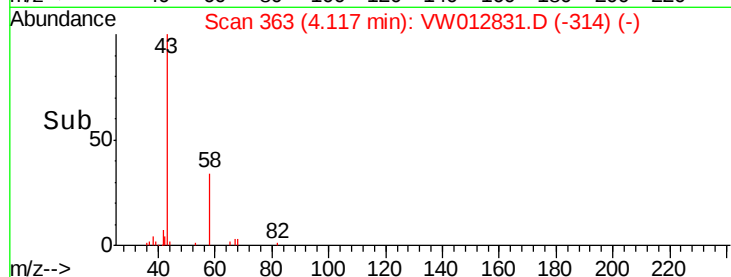
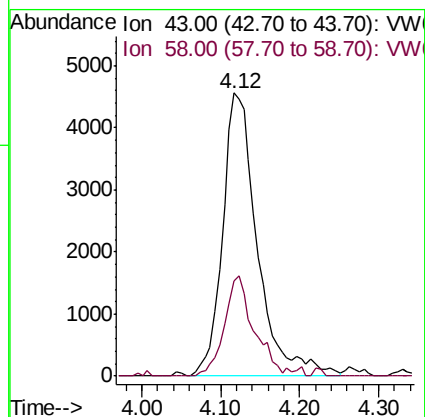
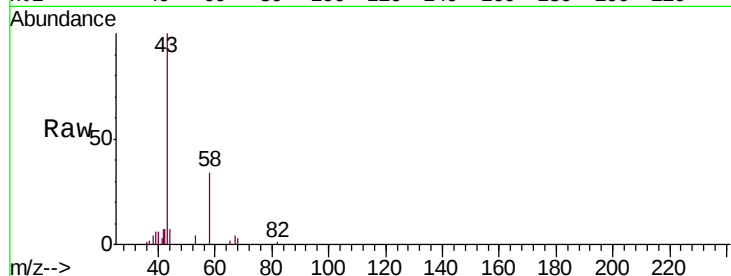
287

Tgt Ion: 43 Resp: 13972

Ion Ratio Lower Upper

43 100

58 34.0 22.6 33.8#



#17

Carbon Disulfide

Concen: 2.032 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW012831.D

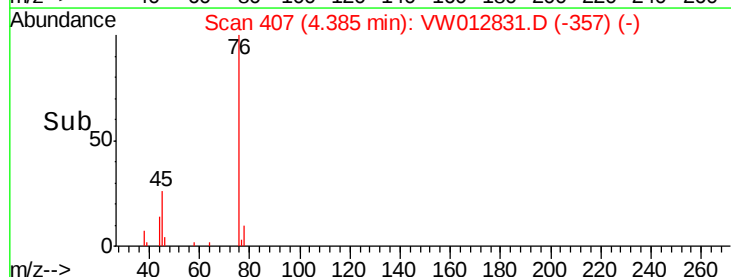
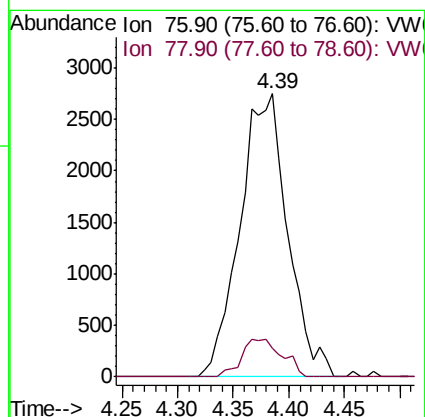
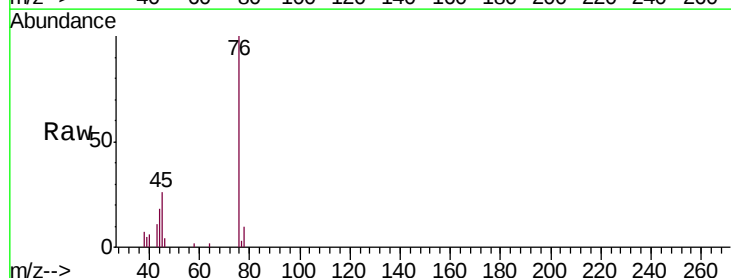
Acq: 09 Sep 2019 19:25

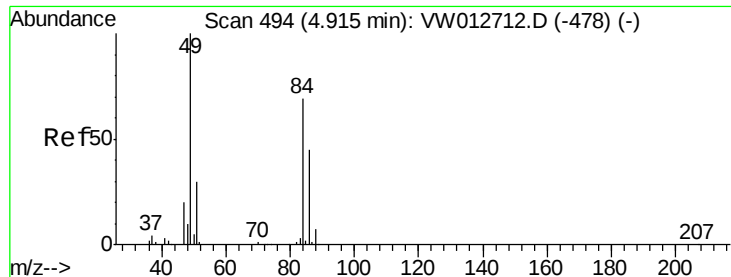
Tgt Ion: 76 Resp: 8225

Ion Ratio Lower Upper

76 100

78 10.2 7.2 10.8

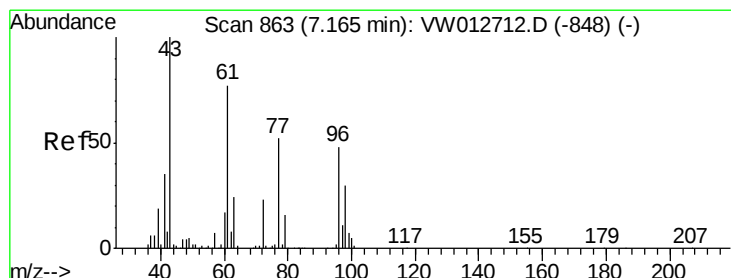
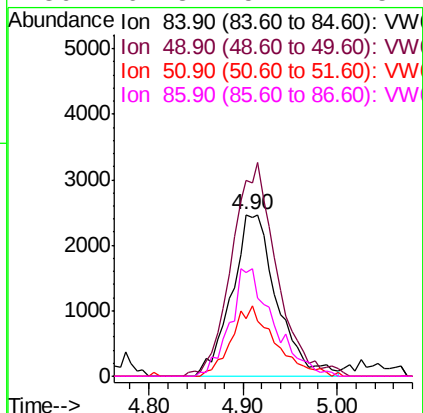
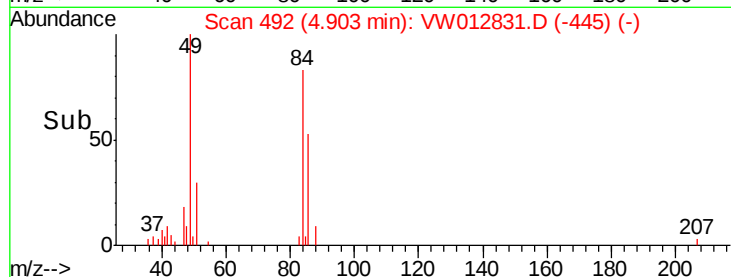
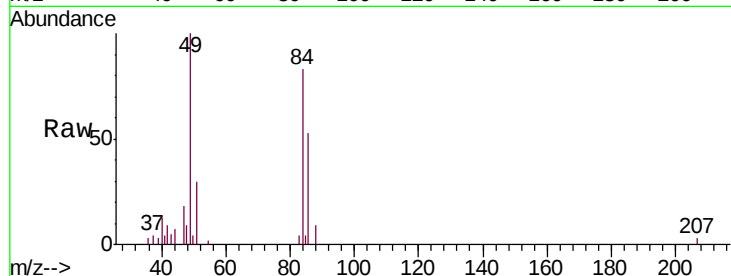




#20
Methylene Chloride
Concen: 3.747 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012831.D
Acq: 09 Sep 2019 19:25

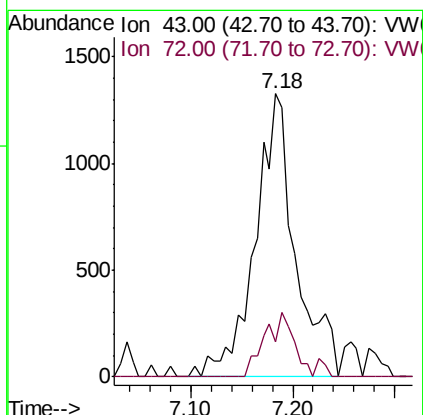
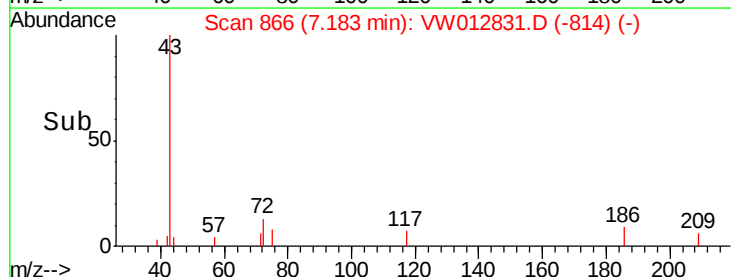
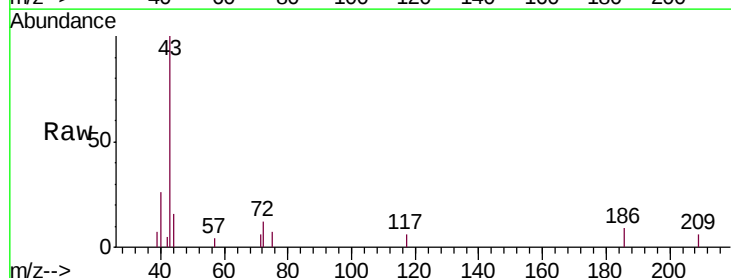
Instrument :
MSVOA_W
ClientSampled :
287

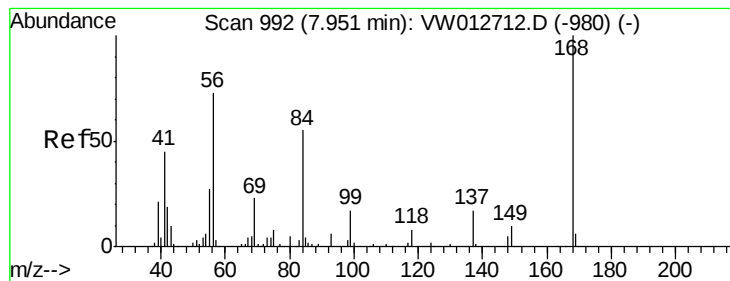
Tgt Ion: 84 Resp: 8244
Ion Ratio Lower Upper
84 100
49 118.4 115.4 173.0
51 35.9 34.9 52.3
86 64.3 52.2 78.4



#25
2-Butanone
Concen: 22.914 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW012831.D
Acq: 09 Sep 2019 19:25

Tgt Ion: 43 Resp: 3635
Ion Ratio Lower Upper
43 100
72 12.3 18.0 27.0#





#31

Cyclohexane

Concen: 1.540 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012831.D

Acq: 09 Sep 2019 19:25

Instrument :
MSVOA_W
ClientSampled :
287

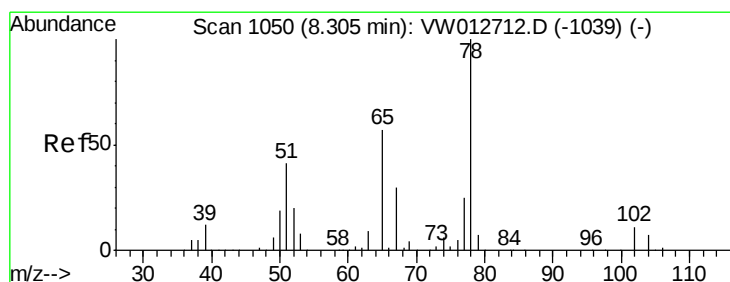
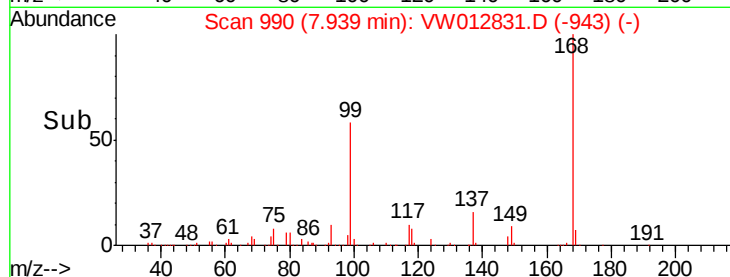
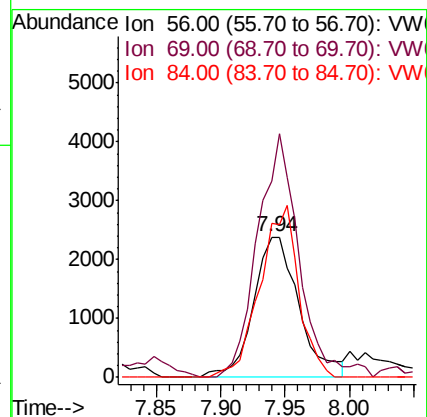
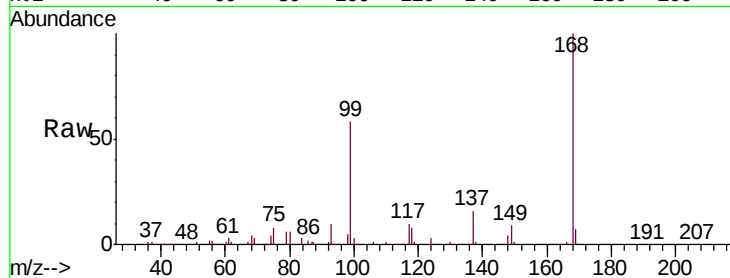
Tgt Ion: 56 Resp: 5839

Ion Ratio Lower Upper

56 100

69 138.0 25.7 38.5#

84 109.9 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 46.320 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012831.D

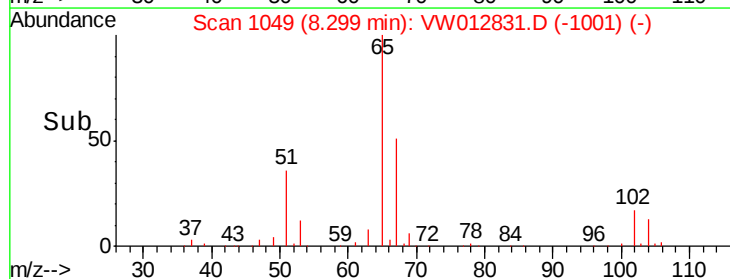
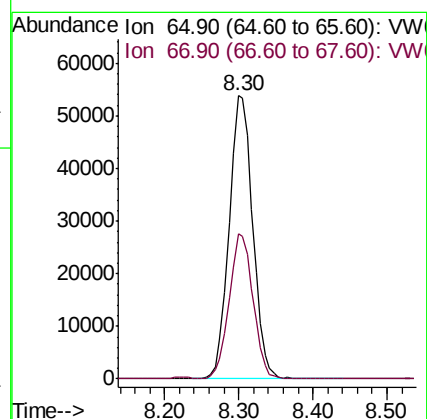
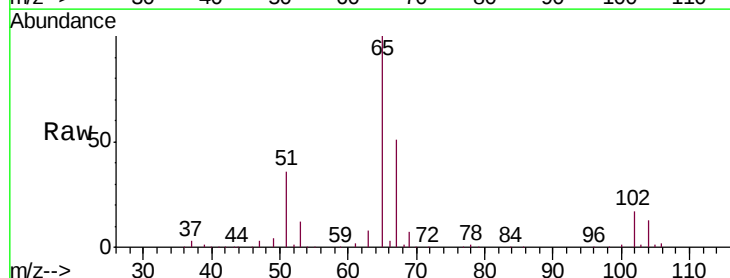
Acq: 09 Sep 2019 19:25

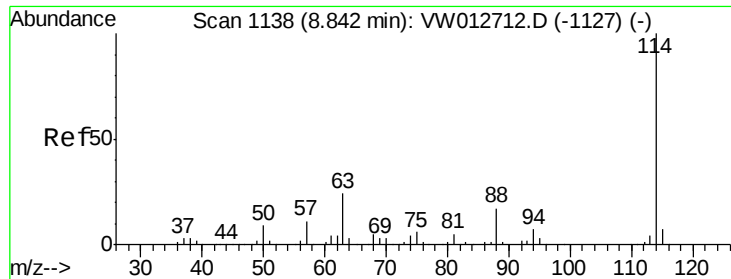
Tgt Ion: 65 Resp: 119497

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.8

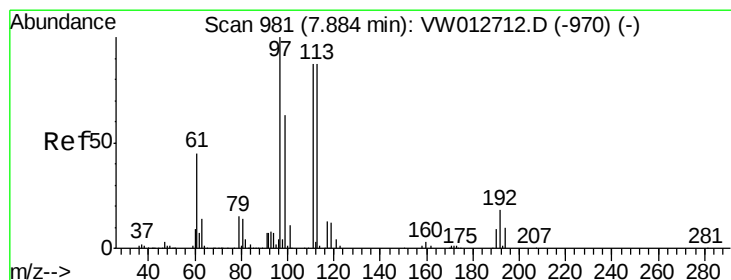
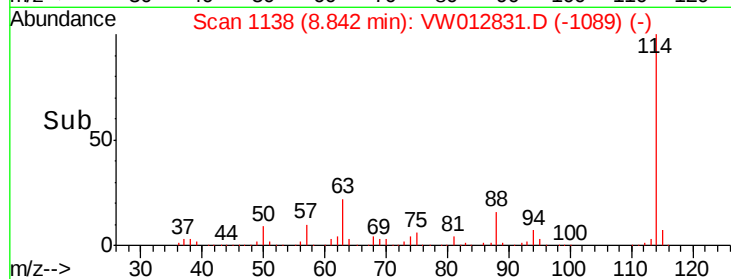
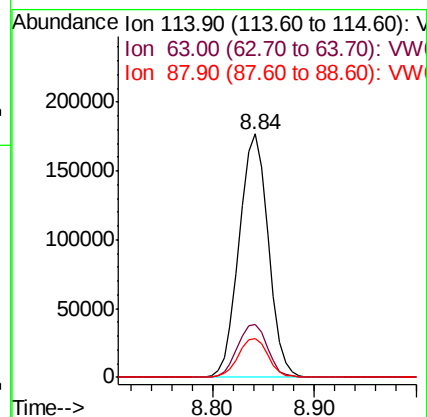
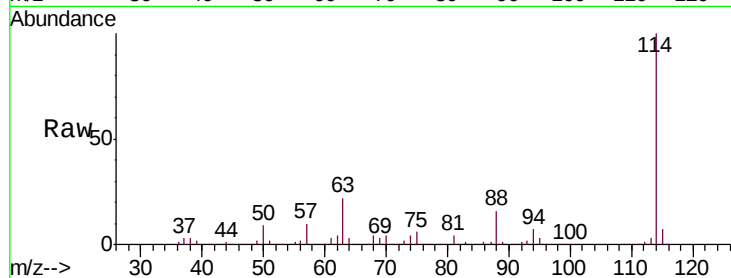




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012831.D
 Acq: 09 Sep 2019 19:25

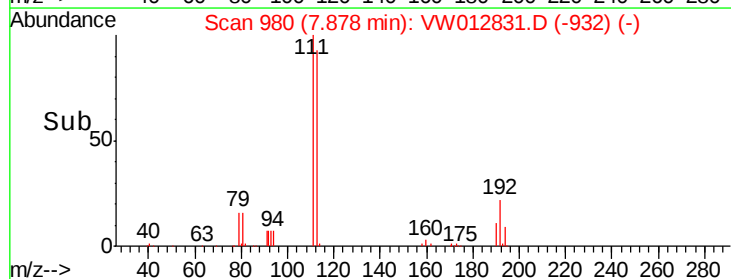
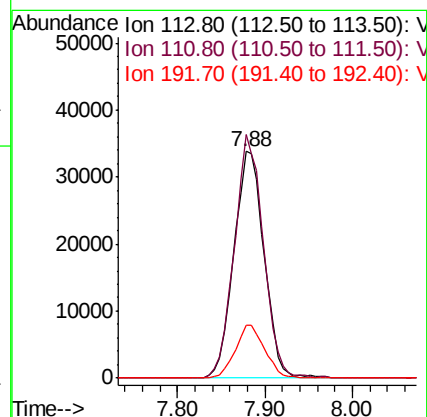
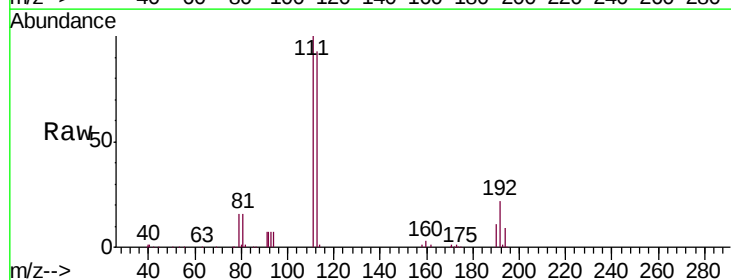
Instrument :
 MSVOA_W
 ClientSampleId :
 287

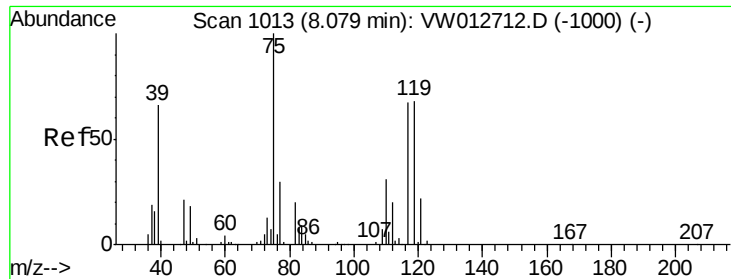
Tgt Ion:114 Resp: 349919
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 47.2
 88 16.0 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 39.068 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012831.D
 Acq: 09 Sep 2019 19:25

Tgt Ion:113 Resp: 81276
 Ion Ratio Lower Upper
 113 100
 111 103.5 80.2 120.4
 192 22.6 17.3 25.9





#36

1,1-Dichloropropene

Concen: 5.632 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012831.D

Acq: 09 Sep 2019 19:25

Instrument :

MSVOA_W

ClientSampleId :

287

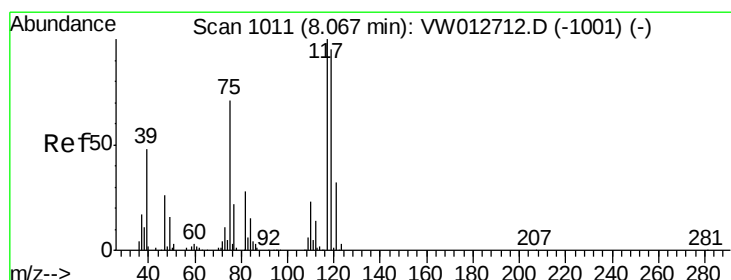
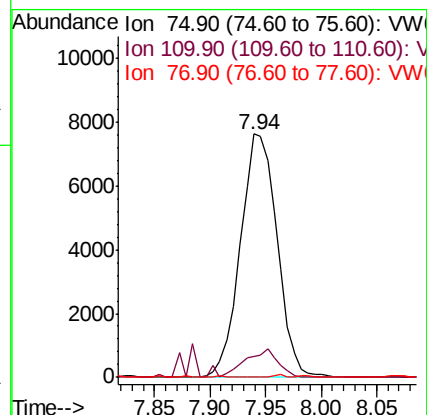
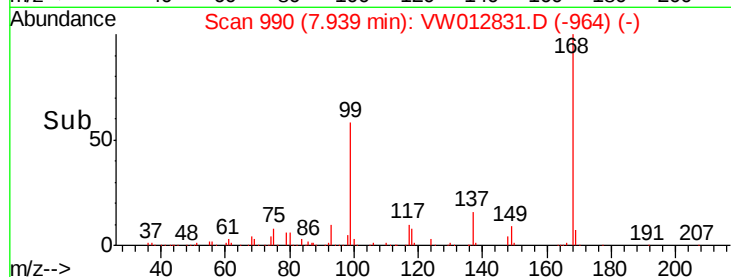
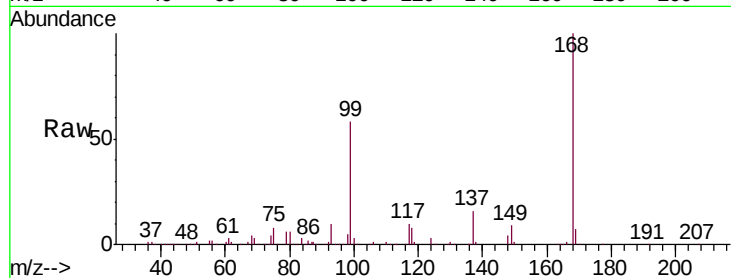
Tgt Ion: 75 Resp: 17510

Ion Ratio Lower Upper

75 100

110 10.3 15.9 47.7#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.143 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012831.D

Acq: 09 Sep 2019 19:25

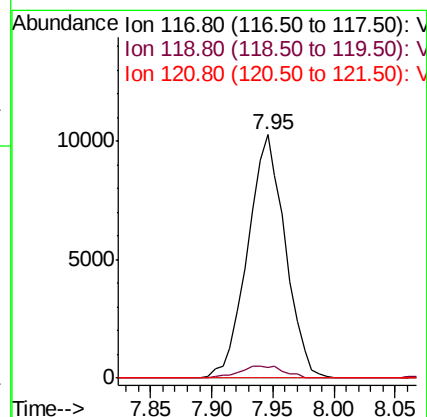
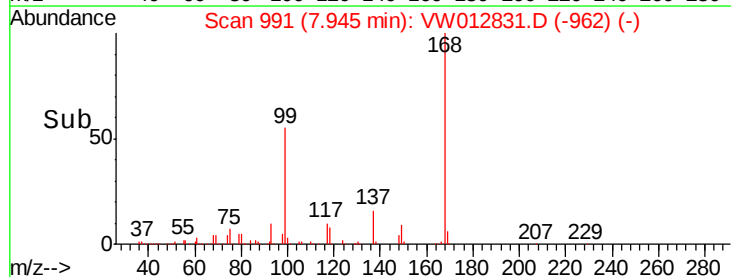
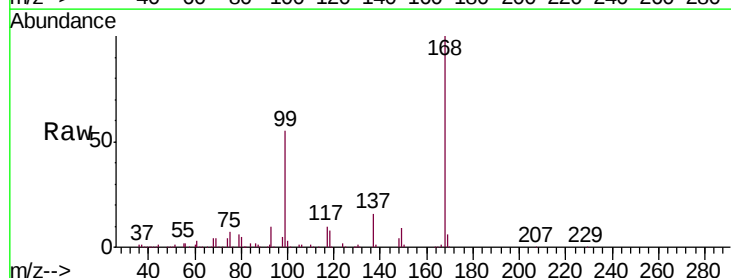
Tgt Ion: 117 Resp: 21892

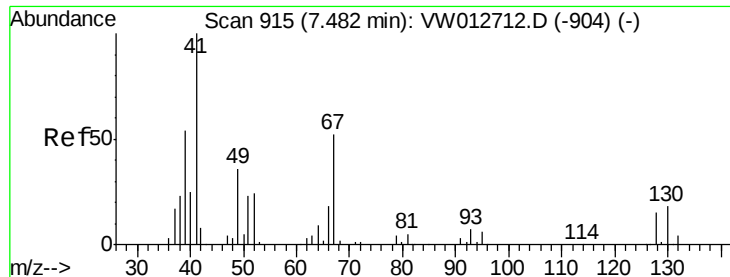
Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.2#

121 0.0 25.4 38.2#

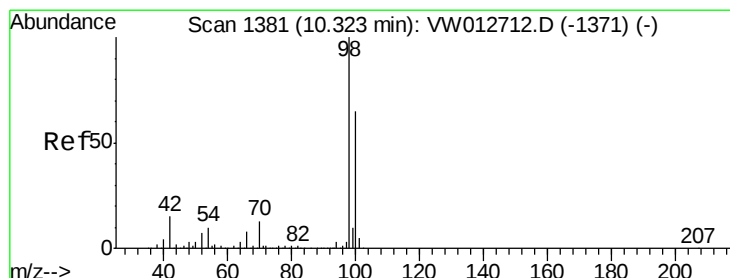
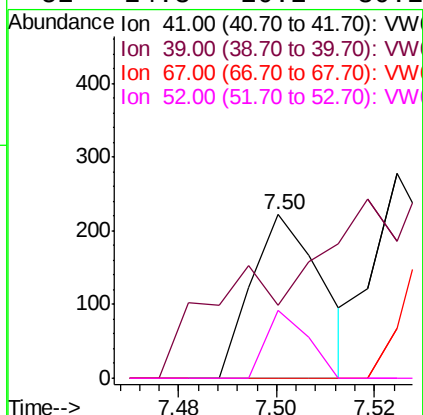
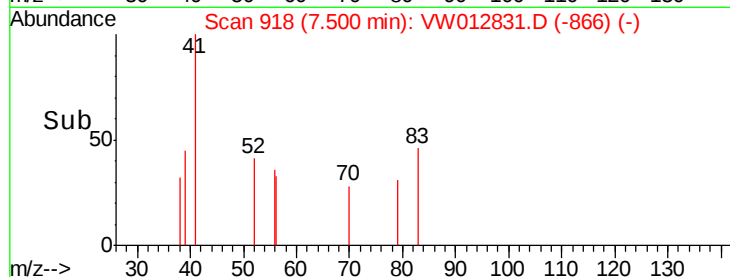
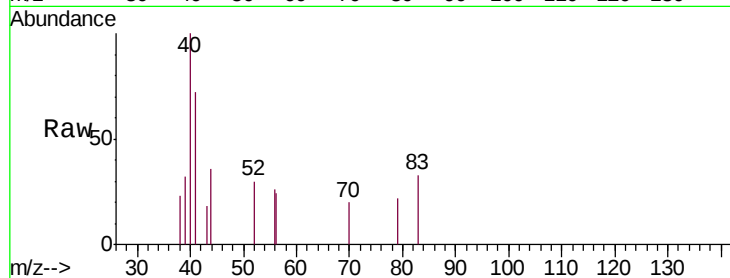




#41
Methacrylonitrile
Concen: 3.991 ug/l
RT: 7.50 min Scan# 918
Delta R.T. 0.02 min
Lab File: VW012831.D
Acq: 09 Sep 2019 19:25

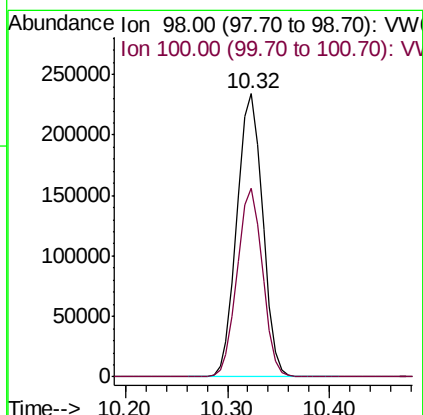
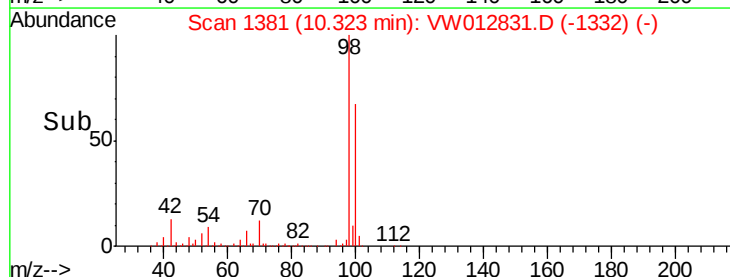
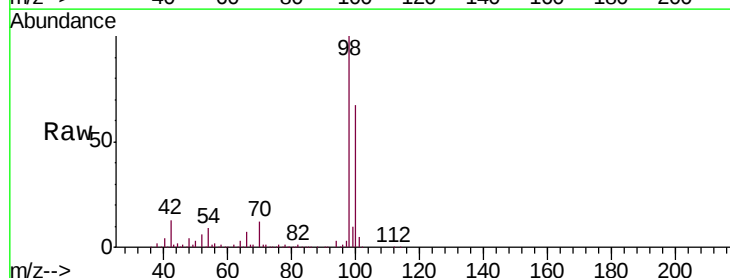
Instrument :
MSVOA_W
ClientSampled :
287

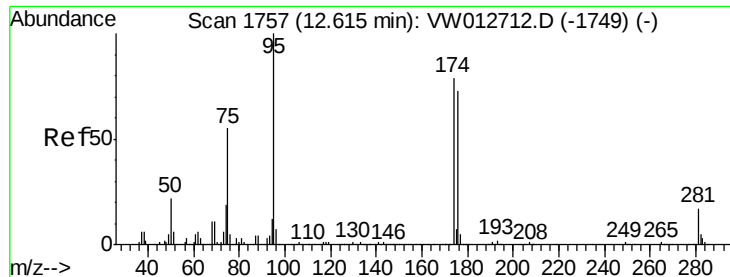
Tgt Ion: 41 Resp: 222
Ion Ratio Lower Upper
41 100
39 0.0 47.5 71.3#
67 0.0 45.1 67.7#
52 24.3 20.2 30.2



#50
Toluene-d8
Concen: 50.289 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012831.D
Acq: 09 Sep 2019 19:25

Tgt Ion: 98 Resp: 409874
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 43.717 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012831.D

Acq: 09 Sep 2019 19:25

Instrument :

MSVOA_W

ClientSampleId :

287

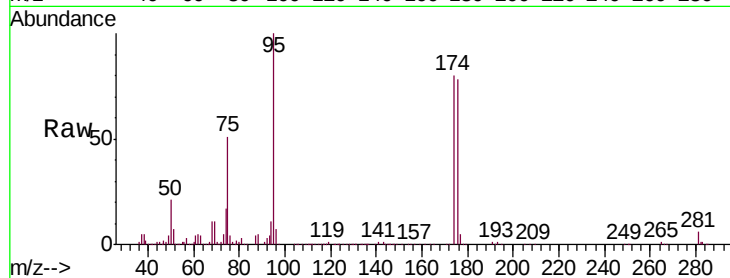
Tgt Ion: 95 Resp: 129353

Ion Ratio Lower Upper

95 100

174 82.2 0.0 161.0

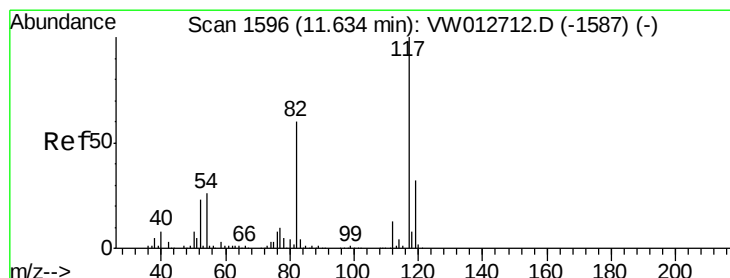
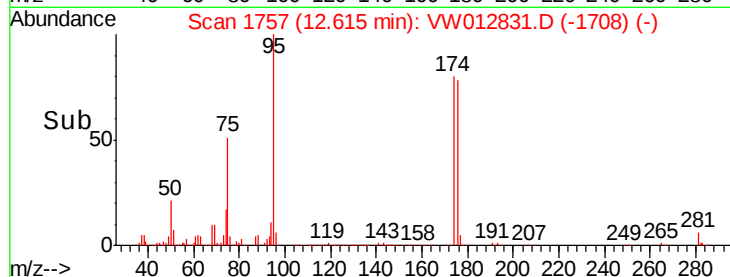
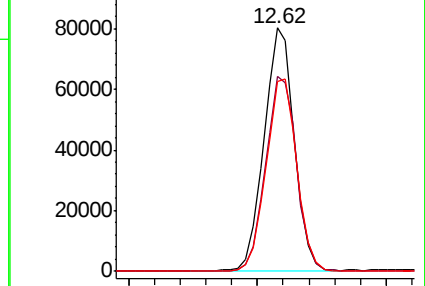
176 81.2 0.0 156.4



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: VW012831.D

Acq: 09 Sep 2019 19:25

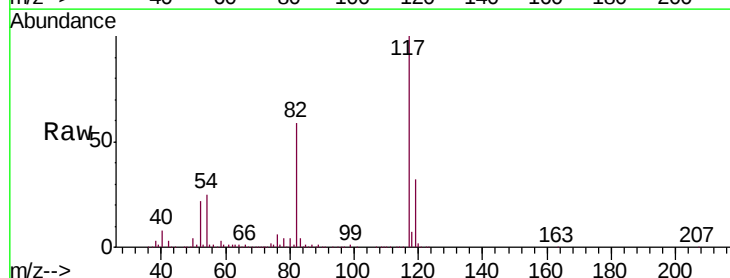
Tgt Ion: 117 Resp: 284118

Ion Ratio Lower Upper

117 100

82 58.5 48.2 72.4

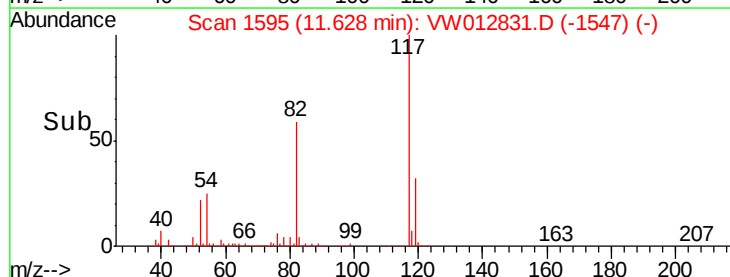
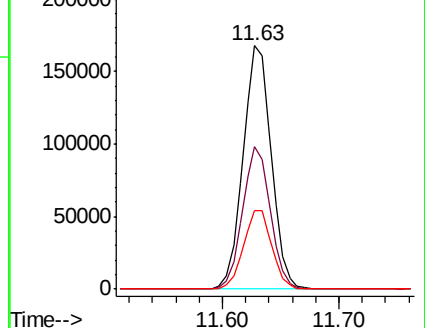
119 32.2 25.8 38.6

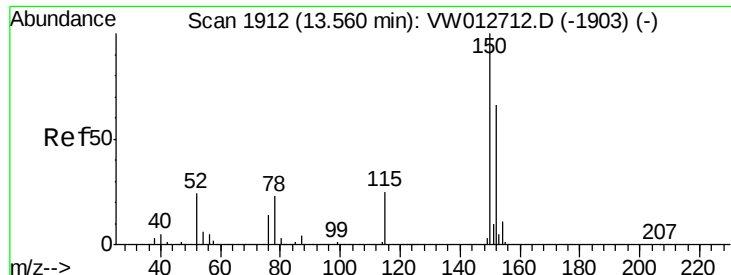


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012831.D

Acq: 09 Sep 2019 19:25

Instrument :

MSVOA_W

ClientSampleId :

287

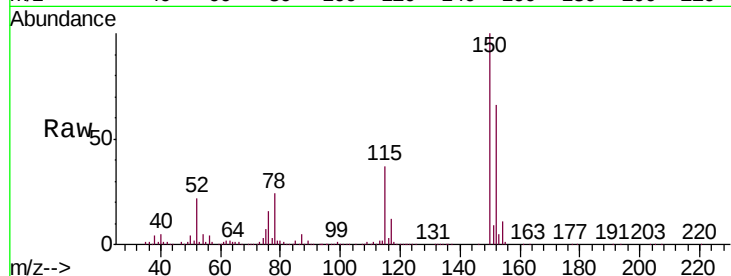
Tgt Ion:152 Resp: 118827

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.1

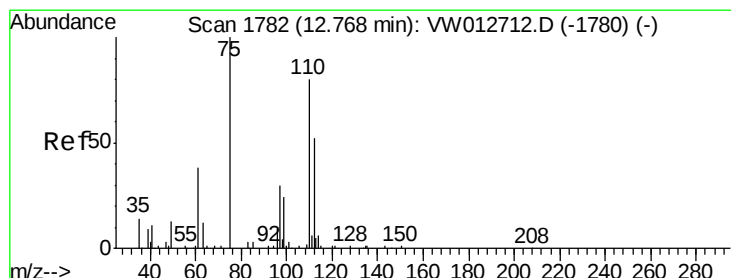
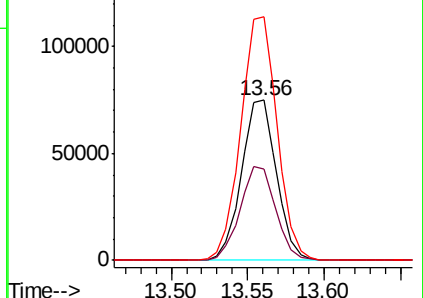
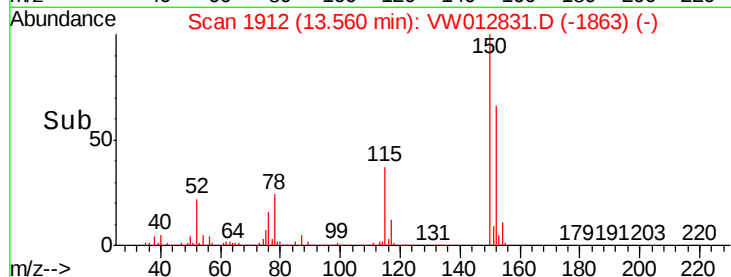
150 158.0 0.0 349.0



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: 54.691 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012831.D

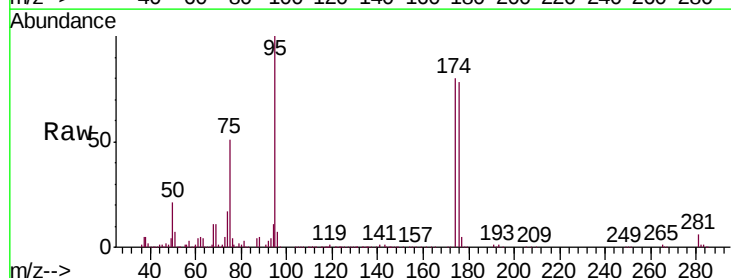
Acq: 09 Sep 2019 19:25

Tgt Ion: 75 Resp: 66453

Ion Ratio Lower Upper

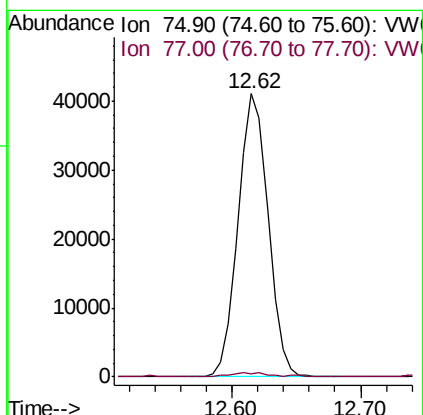
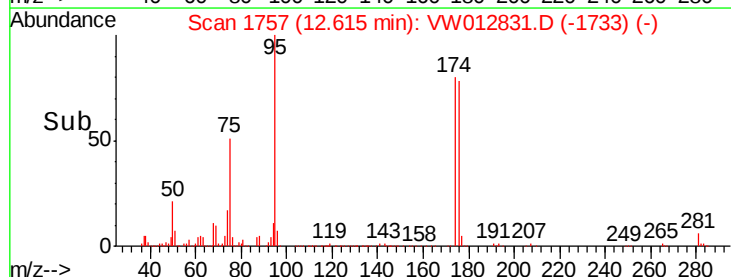
75 100

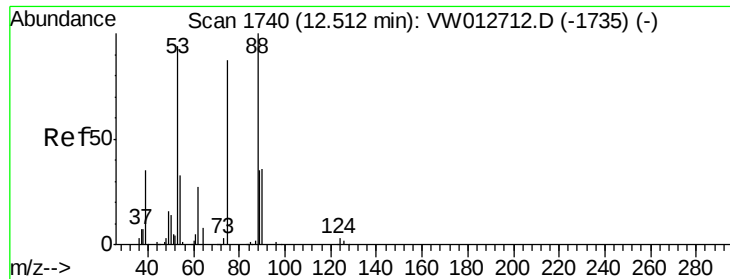
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

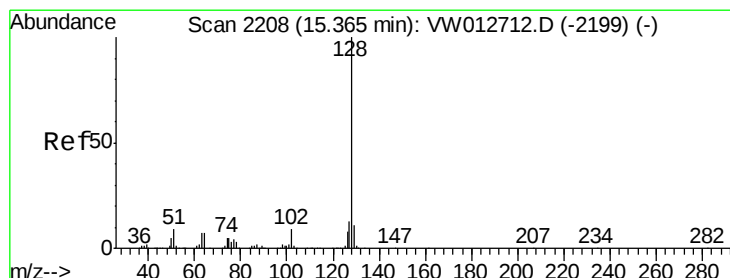
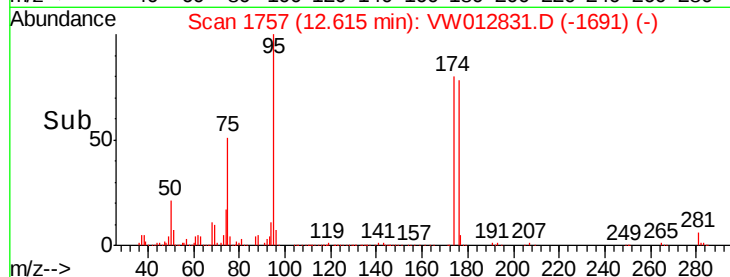
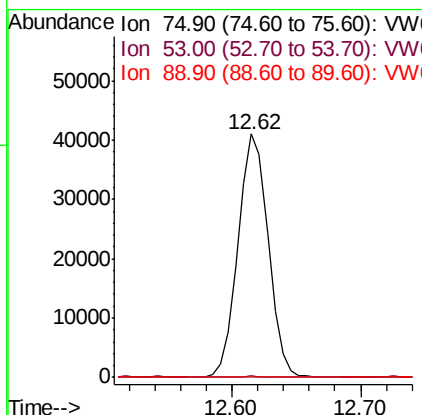
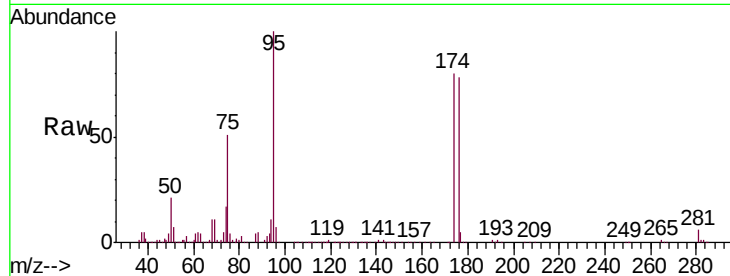




#81
trans-1,4-Dichloro-2-butene
Concen: 115.676 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012831.D
Acq: 09 Sep 2019 19:25

Instrument :
MSVOA_W
ClientSampled :
287

Tgt Ion: 75 Resp: 66453
Ion Ratio Lower Upper
75 100
53 0.4 87.6 131.4#
89 0.1 35.5 53.3#



#95
Naphthalene
Concen: 4.745 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012831.D
Acq: 09 Sep 2019 19:25

Tgt Ion: 128 Resp: 1675
Ion Ratio Lower Upper
128 100
127 20.2 10.7 16.1#
129 24.8 8.7 13.1#

