

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011398.D
 Acq On : 20 Jul 2019 02:38
 Operator : SY/VA
 Sample : K3887-01
 Misc : 4.80G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7(1)

Quant Time: Jul 20 05:56:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	86330	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	146678	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
35) Dibromofluoromethane	7.88	113	116086	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
50) Toluene-d8	10.32	98	442829	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.62	95	116968	35.58	ug/l	0.00
Spiked Amount			Recovery	=	71.16%	

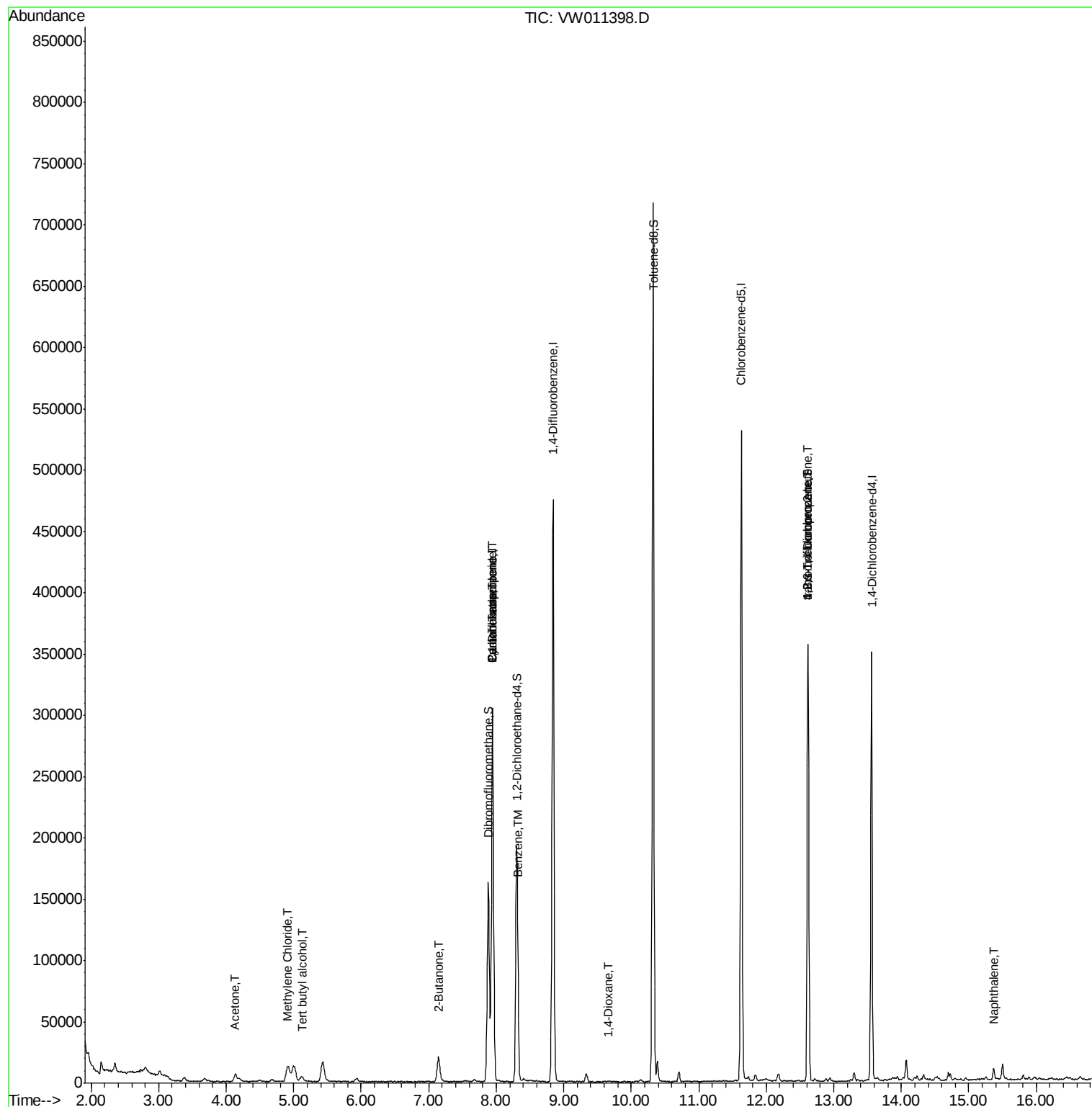
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	4399	21.330	ug/l #	70
16) Acetone	4.14	43	12834	19.149	ug/l	96
20) Methylene Chloride	4.90	84	9821	3.714	ug/l	94
25) 2-Butanone	7.15	43	1662	1.580	ug/l #	64
31) Cyclohexane	7.95	56	6536	1.211	ug/l #	12
36) 1,1-Dichloropropene	7.94	75	19004	4.793	ug/l #	52
38) Carbon Tetrachloride	7.94	117	21772	6.478	ug/l #	16
40) Benzene	8.32	78	11482	1.048	ug/l	97
49) 1,4-Dioxane	9.67	88	47	2.020	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	61719	61.864	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61719	139.925	ug/l #	6
95) Naphthalene	15.36	128	7257	2.175	ug/l	96

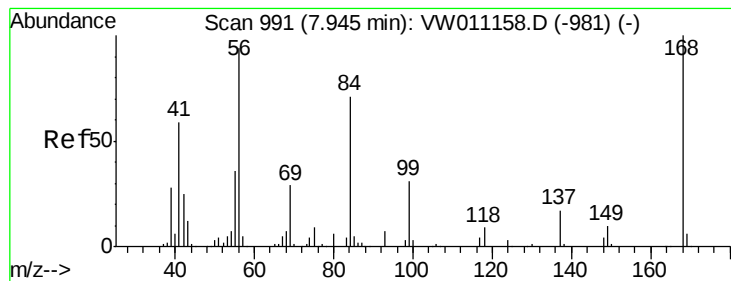
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011398.D

Acq: 20 Jul 2019 02:38

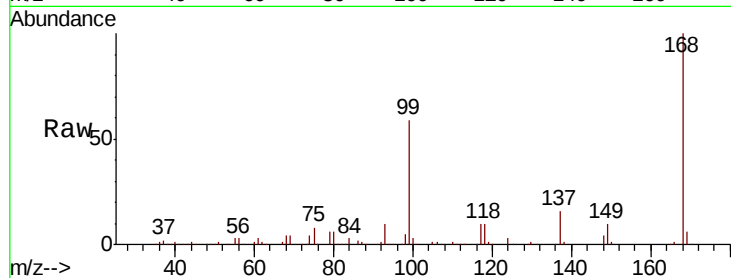
Instrument :
MSVOA_W
ClientSampled :
AOC-7(1)

Tot Ion:168 Resp: 221683

Ion Ratio Lower Upper

168 100

99 59.4 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

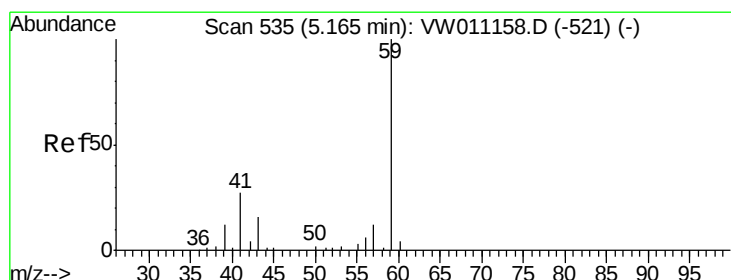
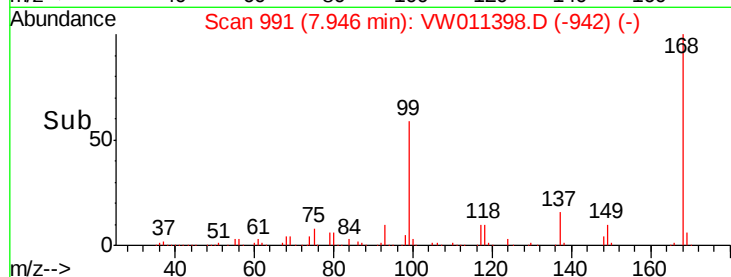
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 21.330 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW011398.D

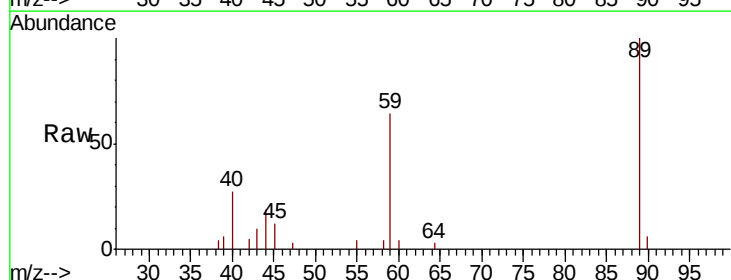
Acq: 20 Jul 2019 02:38

Tgt Ion: 59 Resp: 4399

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

1200

1000

800

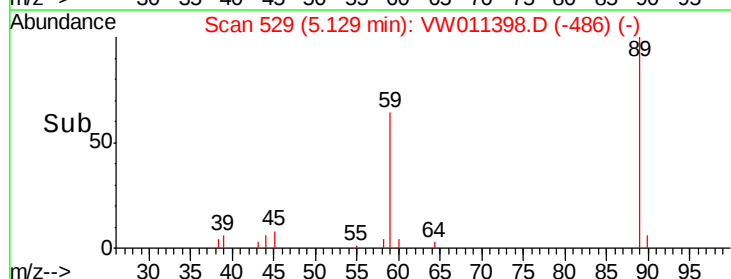
600

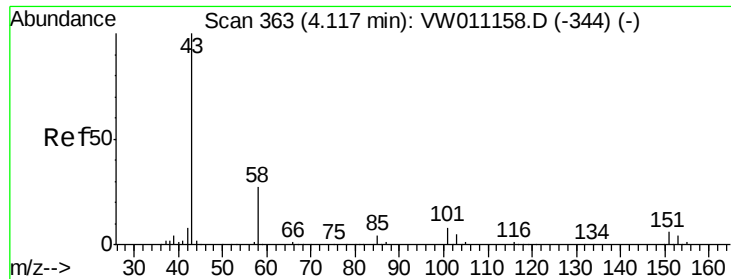
400

200

0

Time--> 5.00 5.05 5.10 5.15 5.20





#16

Acetone

Concen: 19.149 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011398.D

Acq: 20 Jul 2019 02:38

Instrument :

MSVOA_W

ClientSampleId :

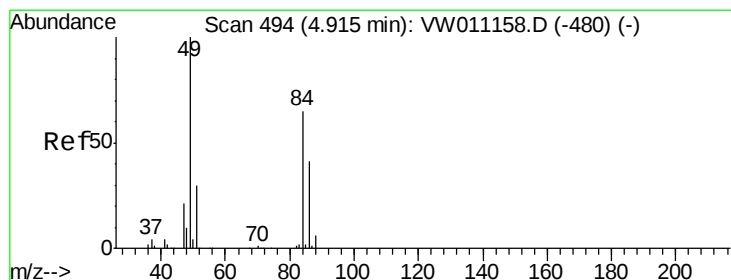
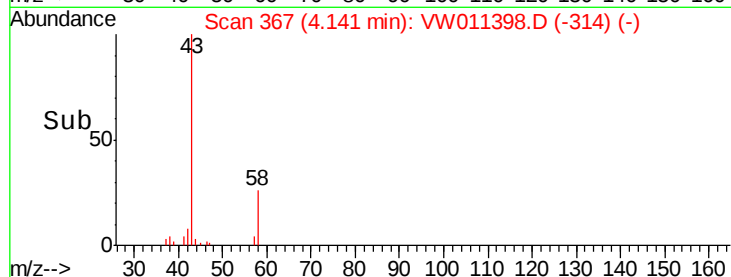
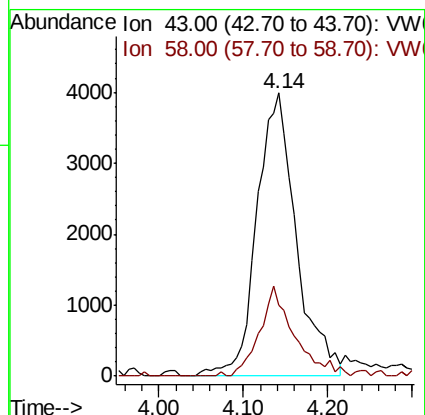
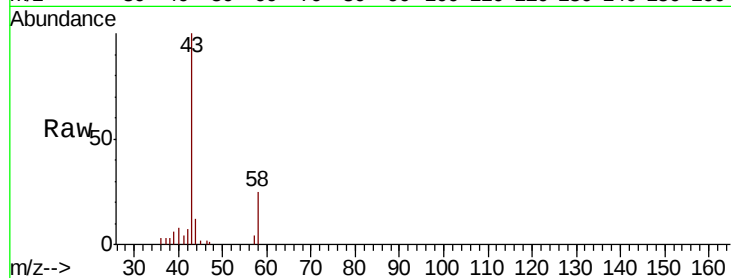
AOC-7(1)

Tot Ion: 43 Resp: 12834

Ion Ratio Lower Upper

43 100

58 25.1 21.8 32.6



#20

Methylene Chloride

Concen: 3.714 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW011398.D

Acq: 20 Jul 2019 02:38

Tgt Ion: 84 Resp: 9821

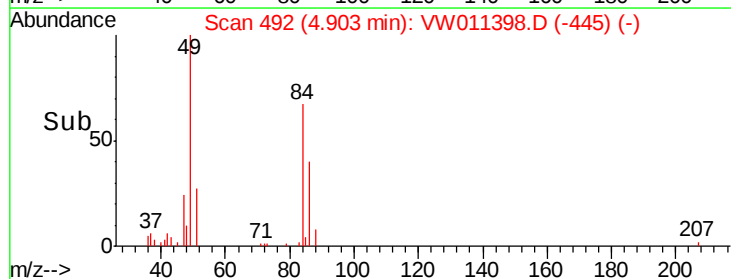
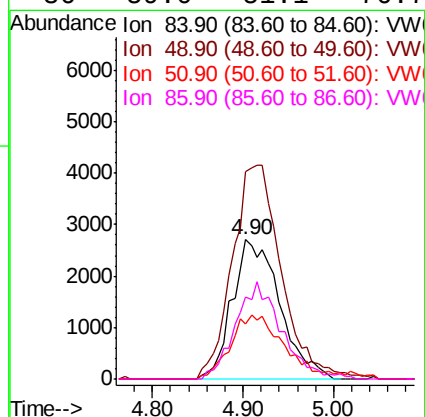
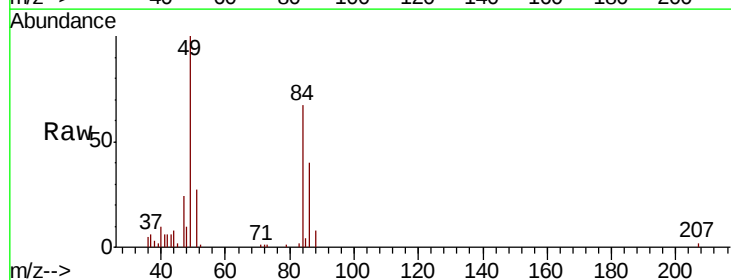
Ion Ratio Lower Upper

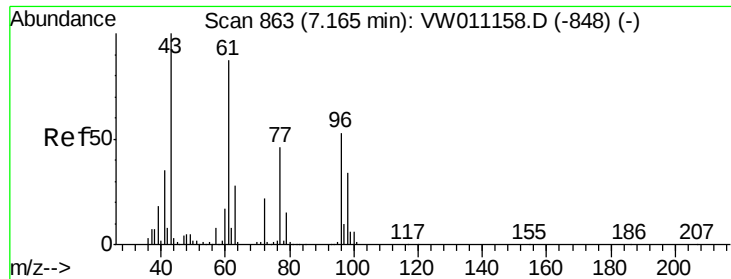
84 100

49 148.6 123.8 185.6

51 39.8 37.4 56.2

86 59.0 51.1 76.7





#25

2-Butanone

Concen: 1.580 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011398.D

Acq: 20 Jul 2019 02:38

Instrument :

MSVOA_W

ClientSampled :

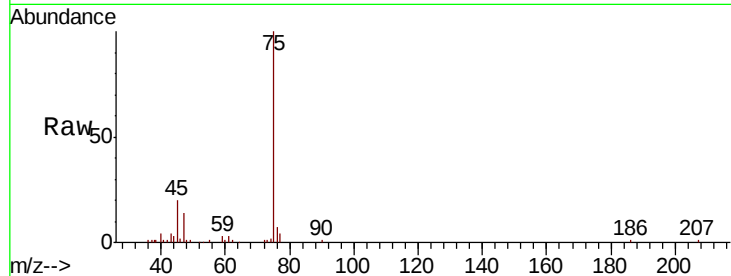
AOC-7(1)

Tot Ion: 43 Resp: 1662

Ion Ratio Lower Upper

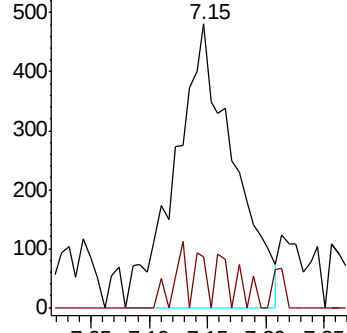
43 100

72 4.8 17.6 26.4#

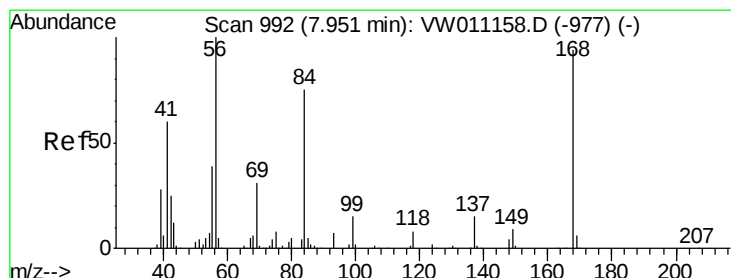
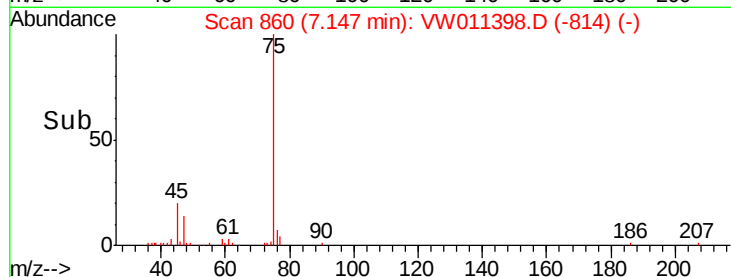


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#31

Cyclohexane

Concen: 1.211 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011398.D

Acq: 20 Jul 2019 02:38

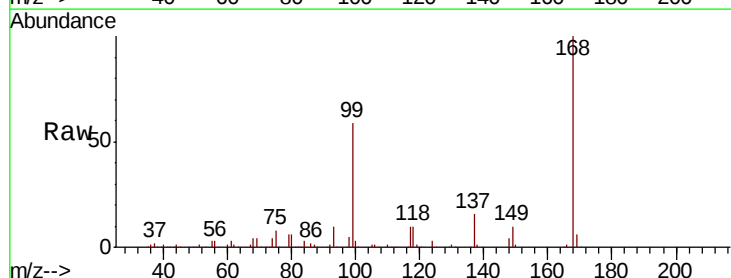
Tgt Ion: 56 Resp: 6536

Ion Ratio Lower Upper

56 100

69 134.7 24.6 36.8#

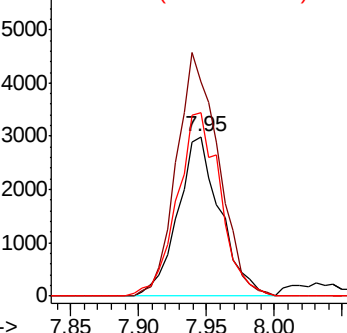
84 115.1 60.1 90.1#



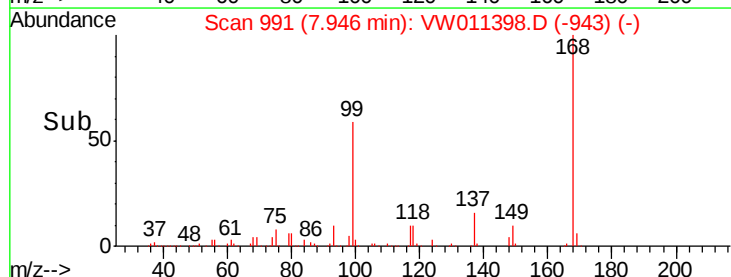
Abundance Ion 56.00 (55.70 to 56.70): VW

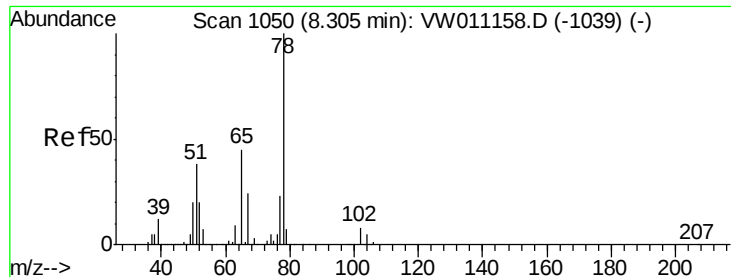
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time-->

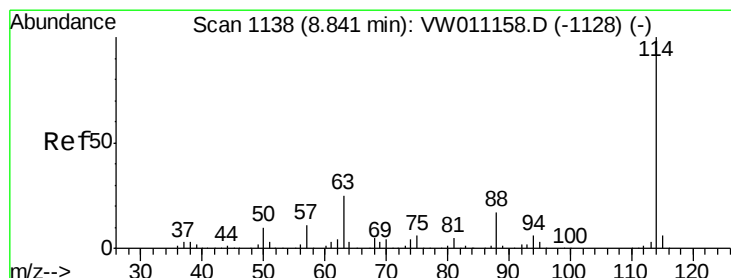
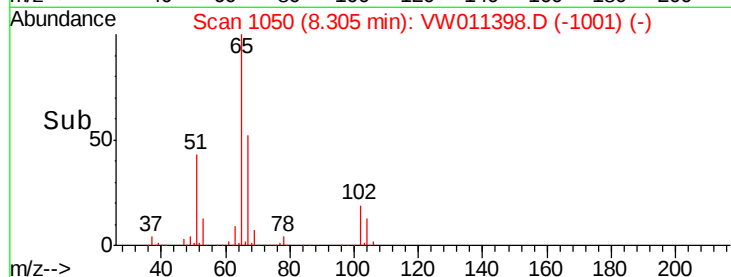
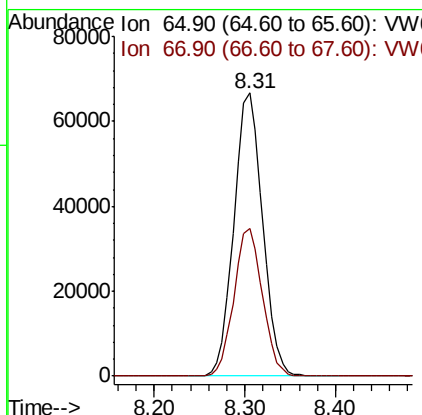
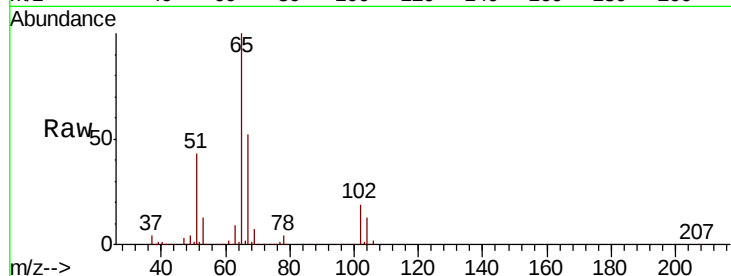




#33
 1,2-Dichloroethane-d4
 Concen: 52.657 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011398.D
 Acq: 20 Jul 2019 02:38

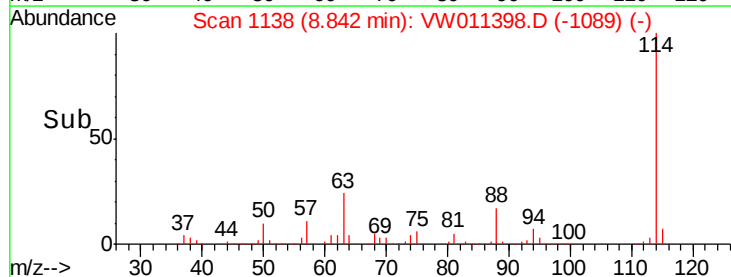
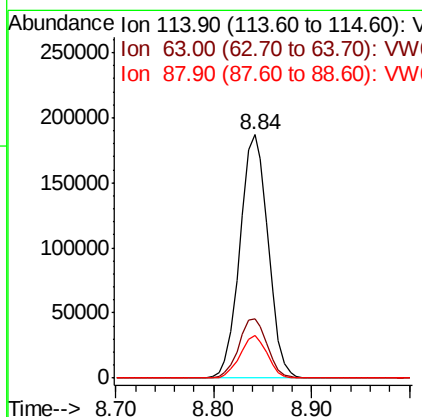
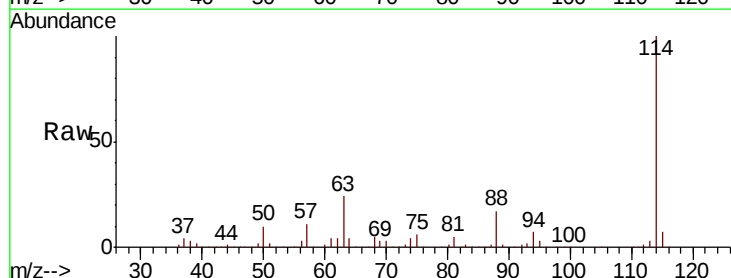
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7(1)

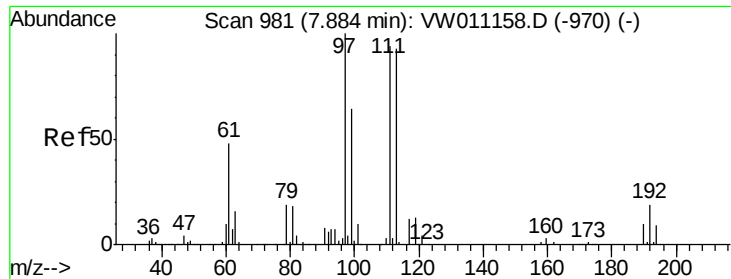
Tot Ion: 65 Resp: 146678
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011398.D
 Acq: 20 Jul 2019 02:38

Tgt Ion: 114 Resp: 372319
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 50.8
 88 17.5 0.0 34.2

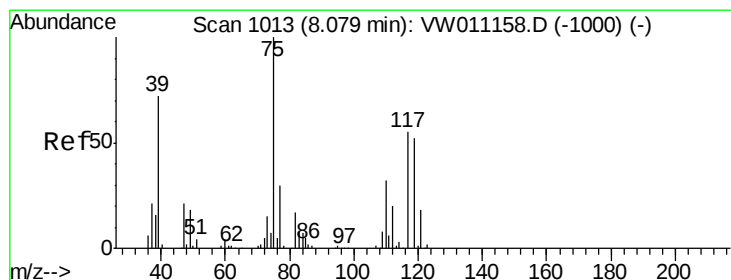
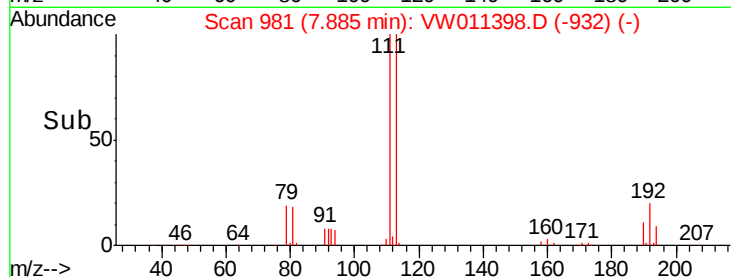
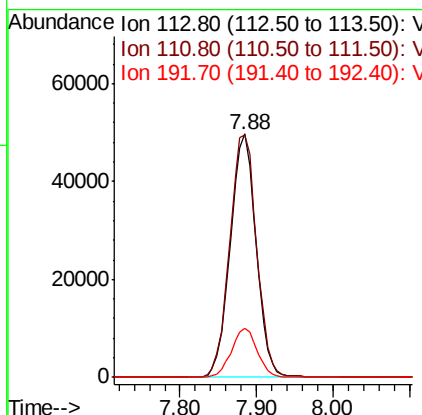
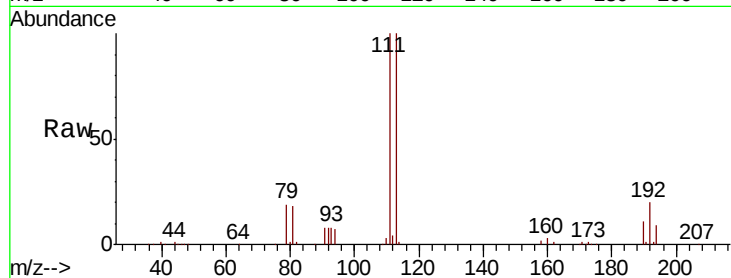




#35
 Dibromofluoromethane
 Concen: 52.310 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011398.D
 Acq: 20 Jul 2019 02:38

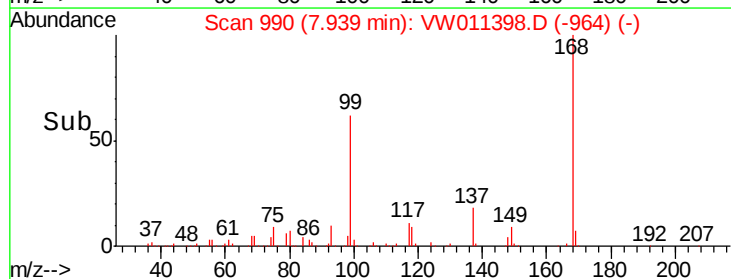
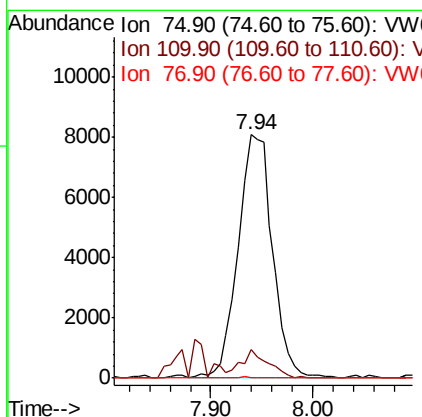
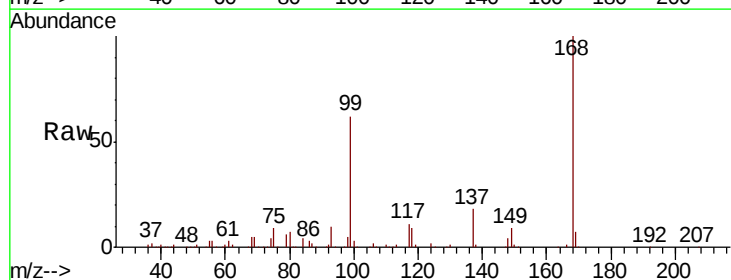
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7(1)

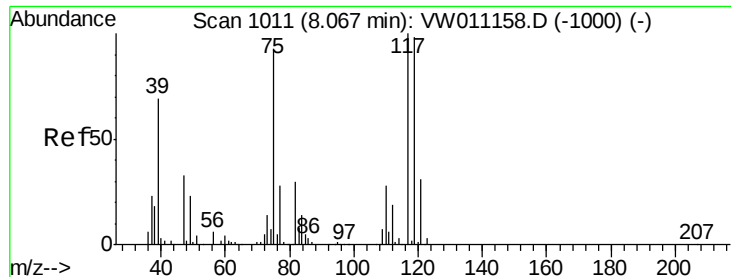
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.4	123.6
192	20.0	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.793 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011398.D
 Acq: 20 Jul 2019 02:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	15.9	47.6#
77	0.0	24.6	36.8#

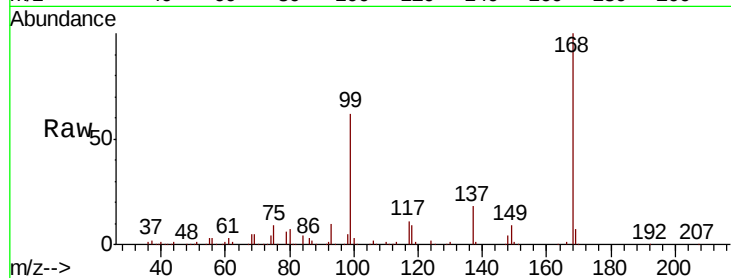




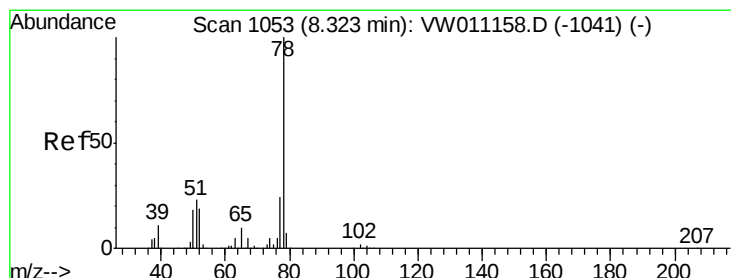
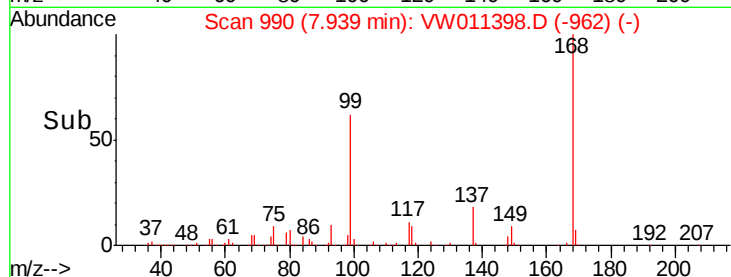
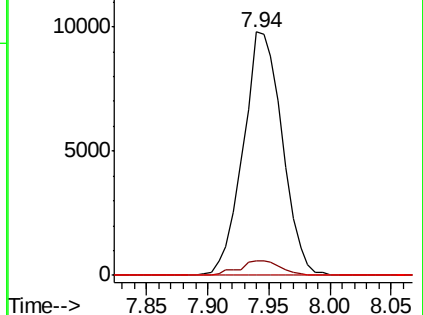
#38
Carbon Tetrachloride
Concen: 6.478 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW011398.D
Acq: 20 Jul 2019 02:38

Instrument :
MSVOA_W
ClientSampleId :
AOC-7(1)

Tot Ion:117 Resp: 21772
Ion Ratio Lower Upper
117 100
119 6.2 78.1 117.1#
121 0.0 25.1 37.7#

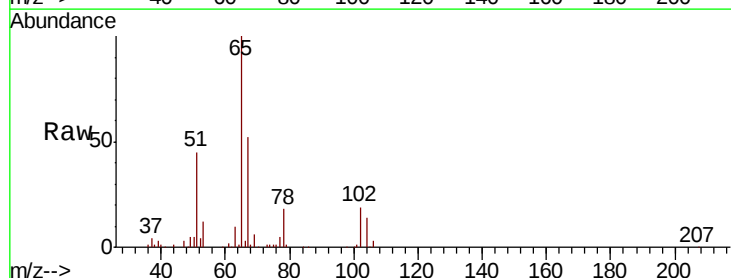


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

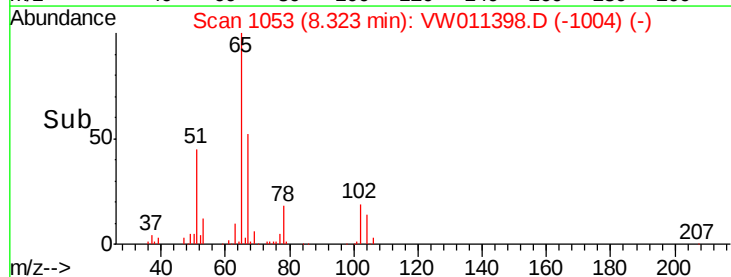
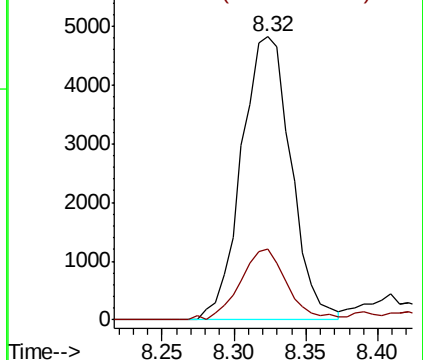


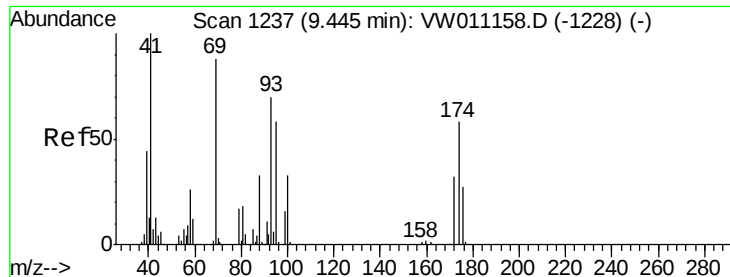
#40
Benzene
Concen: 1.048 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011398.D
Acq: 20 Jul 2019 02:38

Tgt Ion: 78 Resp: 11482
Ion Ratio Lower Upper
78 100
77 25.1 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#49

1,4-Dioxane

Concen: 2.020 ug/l

RT: 9.67 min Scan# 1274

Delta R.T. 0.23 min

Lab File: VW011398.D

Acq: 20 Jul 2019 02:38

Instrument :

MSVOA_W

ClientSampled :

AOC-7(1)

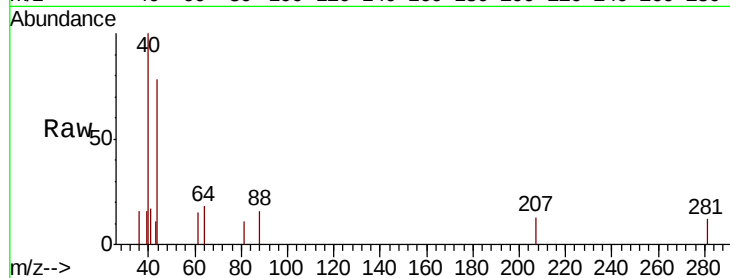
Tot Ion: 88 Resp: 47

Ion Ratio Lower Upper

88 100

43 366.0 33.4 50.0#

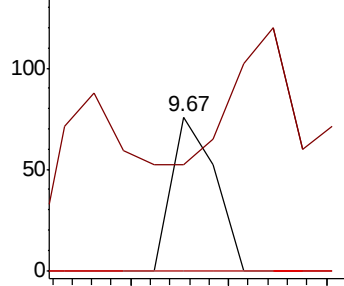
58 0.0 64.5 96.7#



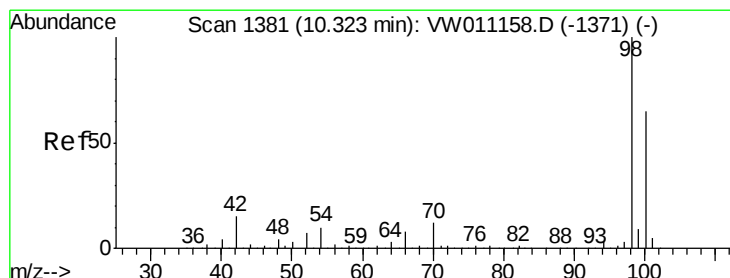
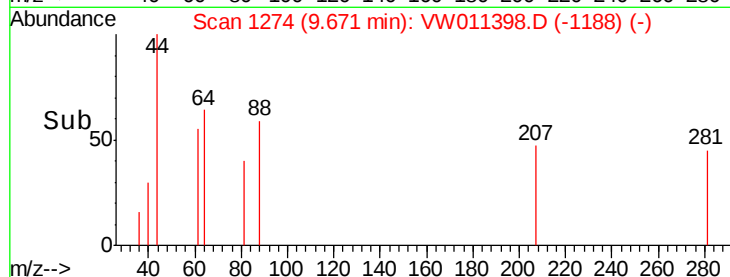
Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#50

Toluene-d8

Concen: 49.366 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011398.D

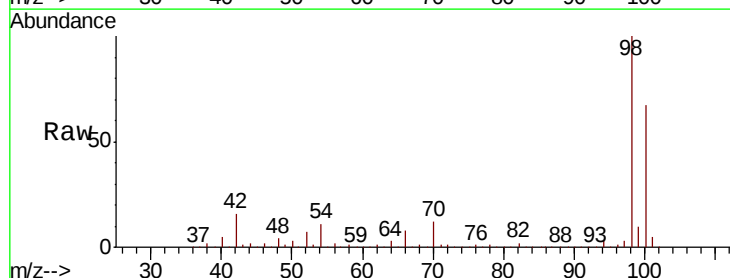
Acq: 20 Jul 2019 02:38

Tgt Ion: 98 Resp: 442829

Ion Ratio Lower Upper

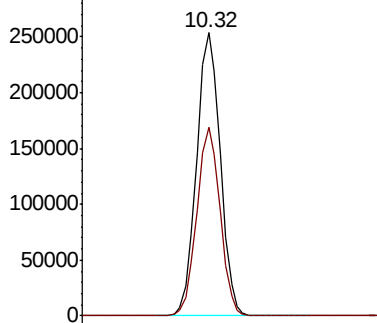
98 100

100 65.4 52.4 78.6

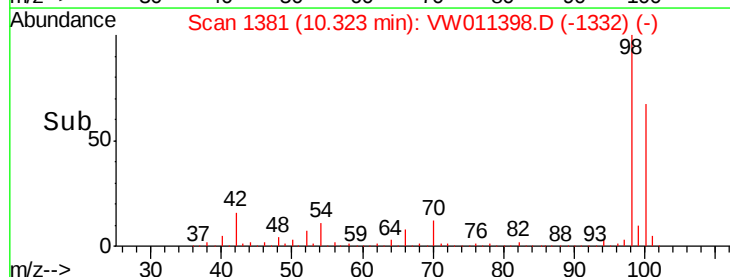


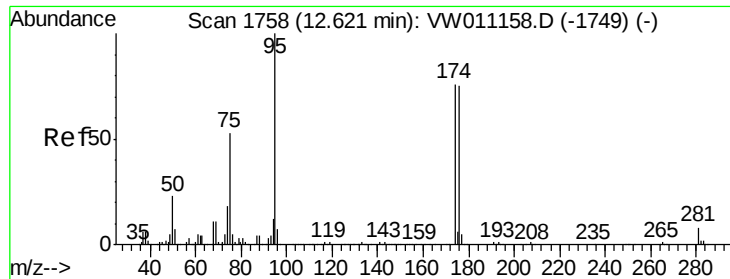
Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->

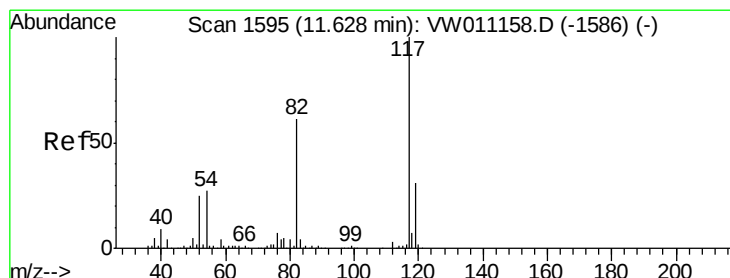
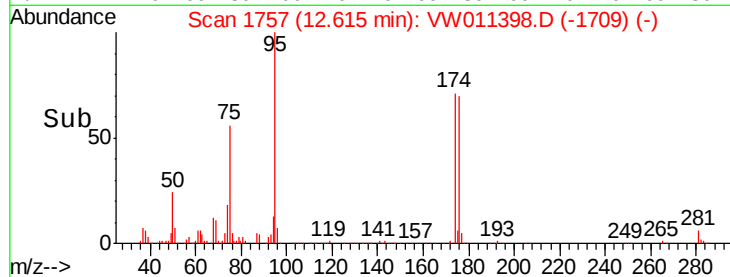
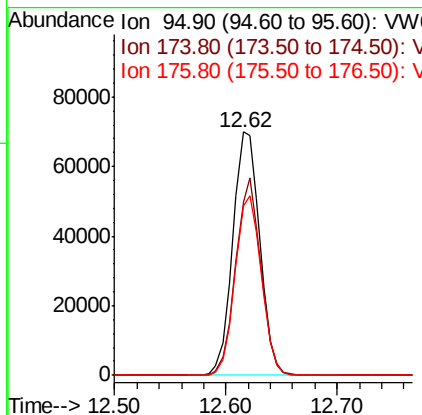
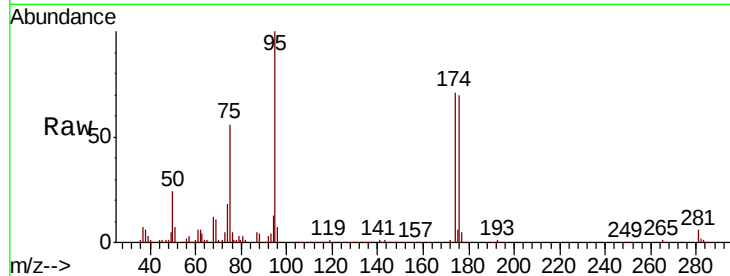




#62
4-Bromofluorobenzene
Concen: 35.575 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011398.D
Acq: 20 Jul 2019 02:38

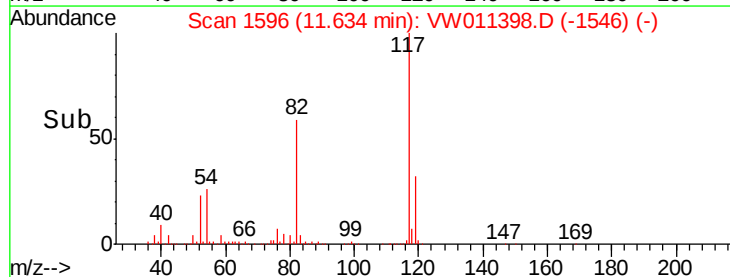
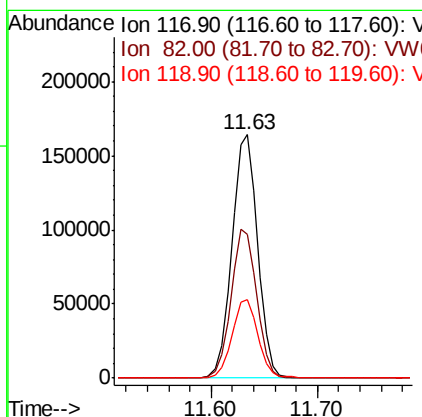
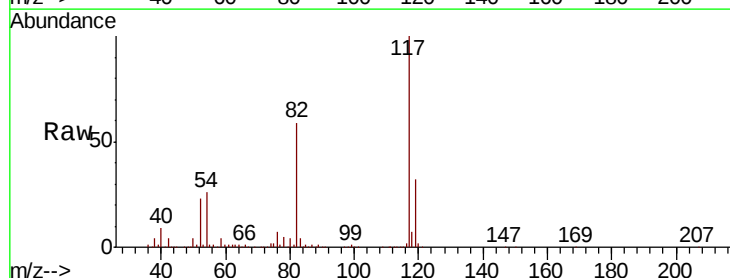
Instrument :
MSVOA_W
ClientSampleId :
AOC-7(1)

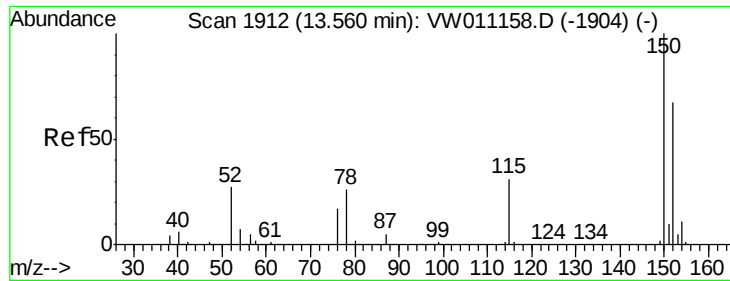
Tot Ion: 95 Resp: 116968
Ion Ratio Lower Upper
95 100
174 75.5 0.0 147.6
176 71.8 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011398.D
Acq: 20 Jul 2019 02:38

Tgt Ion: 117 Resp: 276965
Ion Ratio Lower Upper
117 100
82 59.0 48.9 73.3
119 32.4 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011398.D

Acq: 20 Jul 2019 02:38

Instrument :

MSVOA_W

ClientSampleId :

AOC-7(1)

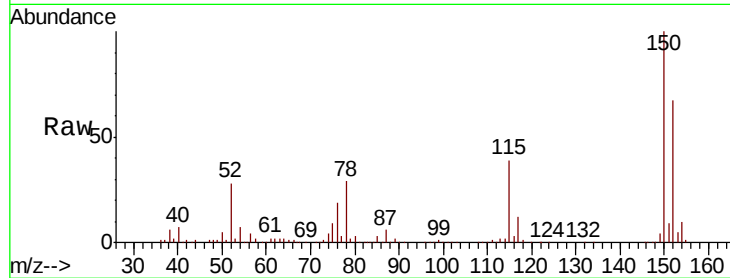
Tot Ion:152 Resp: 86330

Ion Ratio Lower Upper

152 100

115 59.6 30.1 90.3

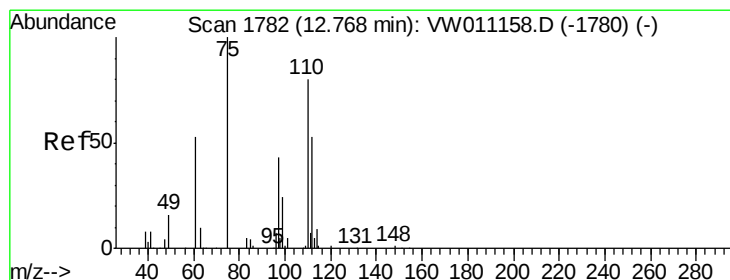
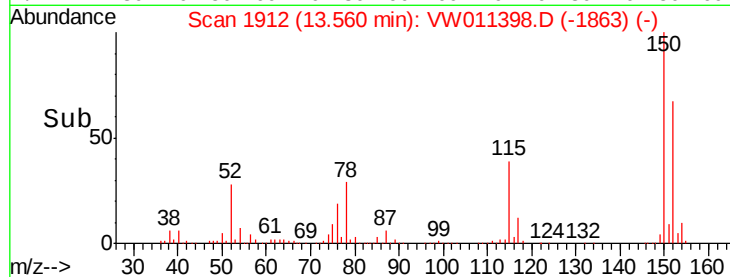
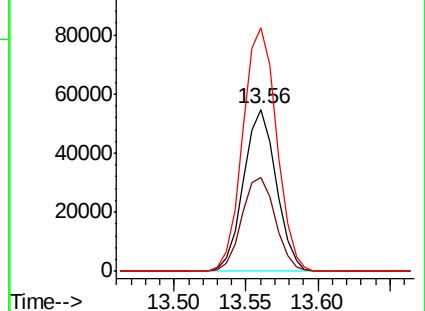
150 155.1 0.0 346.0



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: 61.864 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011398.D

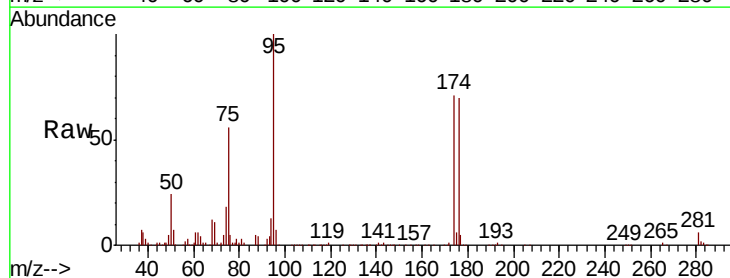
Acq: 20 Jul 2019 02:38

Tgt Ion: 75 Resp: 61719

Ion Ratio Lower Upper

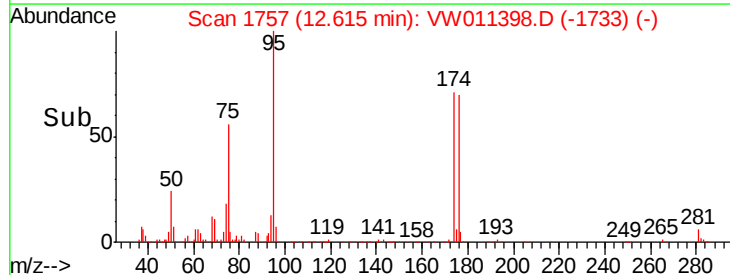
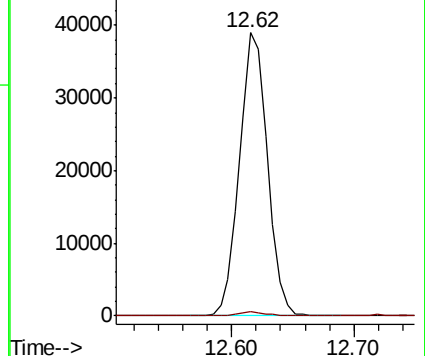
75 100

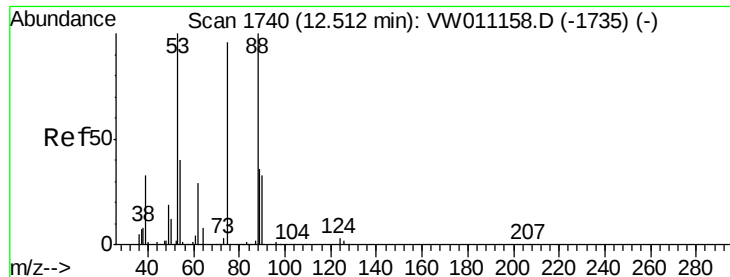
77 1.7 0.0 0.0#



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: 139.925 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011398.D

Acq: 20 Jul 2019 02:38

Instrument :

MSVOA_W

ClientSampleId :

AOC-7(1)

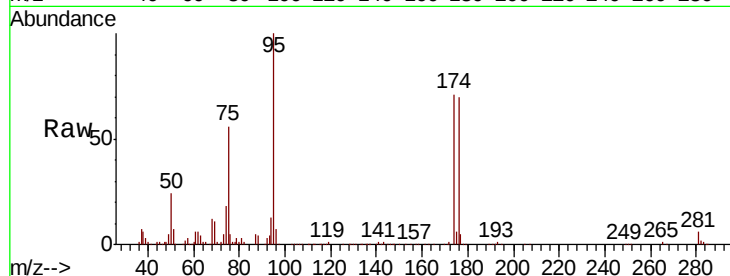
Tot Ion: 75 Resp: 61719

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

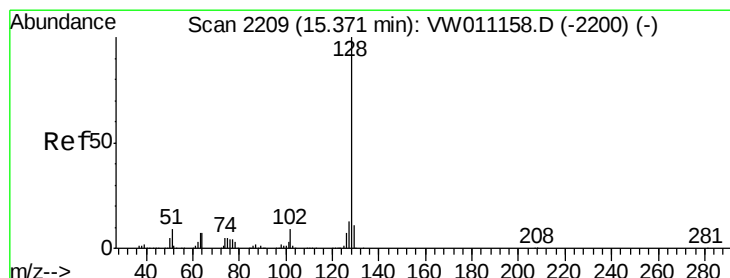
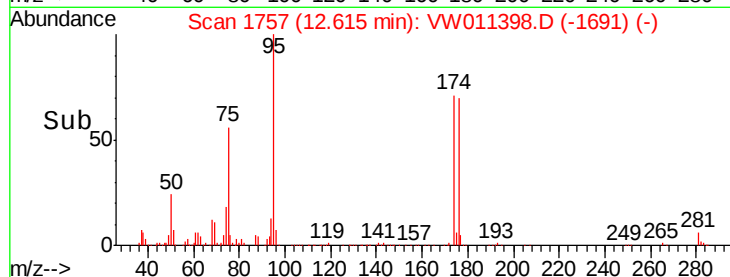
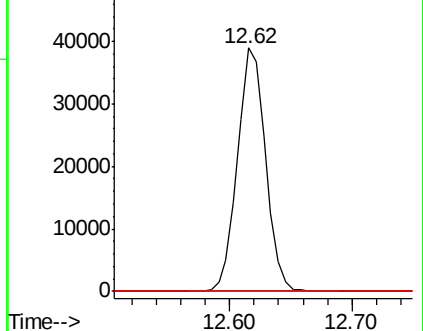
89 0.1 34.3 51.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 2.175 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011398.D

Acq: 20 Jul 2019 02:38

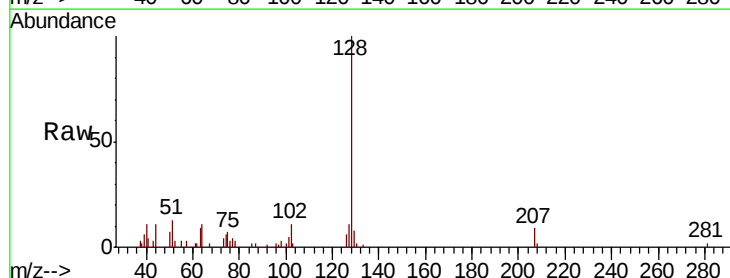
Tgt Ion: 128 Resp: 7257

Ion Ratio Lower Upper

128 100

127 15.9 10.6 16.0

129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

