

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102918\
 Data File : VW006429.D
 Acq On : 27 Oct 2018 03:59
 Operator : SY/AP
 Sample : J5515-05RE
 Misc : 6.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-07ARE

Quant Time: Oct 27 04:52:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	411109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	177914	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	136671	59.32	ug/l	0.00
Spiked Amount			Recovery	=	118.64%	
35) Dibromofluoromethane	7.88	113	8942	3.68	ug/l	0.00
Spiked Amount			Recovery	=	7.36%	
50) Toluene-d8	10.32	98	500972	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
62) 4-Bromofluorobenzene	12.62	95	174835	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	

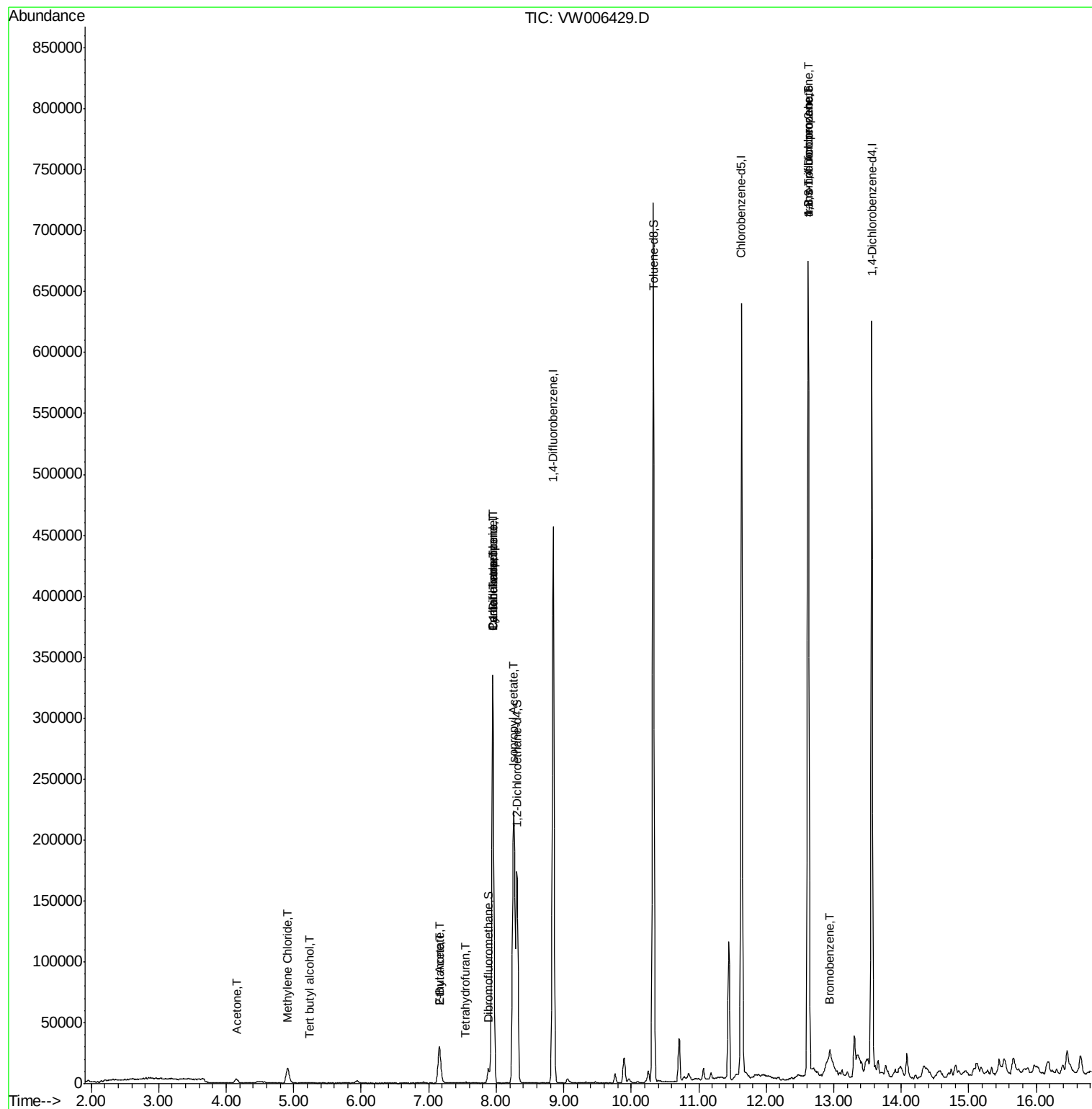
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	589	3.801	ug/l #	81
16) Acetone	4.15	43	7184	1.931	ug/l #	88
20) Methylene Chloride	4.90	84	10741	2.872	ug/l	88
25) 2-Butanone	7.17	43	2418	3.885	ug/l #	72
29) Tetrahydrofuran	7.54	42	532	1.391	ug/l #	71
31) Cyclohexane	7.95	56	4969	1.179	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	17536	4.628	ug/l #	49
37) Ethyl Acetate	7.17	43	2418	1.717	ug/l #	30
38) Carbon Tetrachloride	7.95	117	24240	5.835	ug/l #	17
43) Isopropyl Acetate	8.25	43	4564	1.586	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	87922	64.700	ug/l #	100
77) Bromobenzene	12.94	156	21775	7.073	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	87922	154.659	ug/l #	10

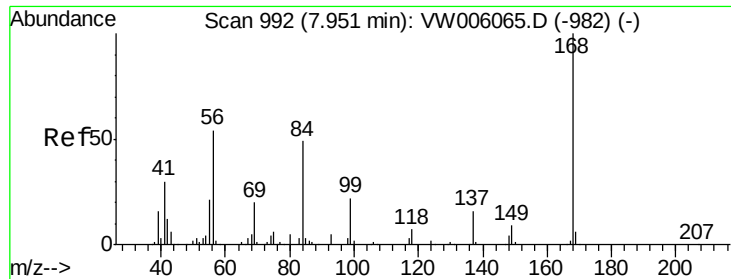
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW102918\
Data File : VW006429.D
Acq On : 27 Oct 2018 03:59
Operator : SY/AP
Sample : J5515-05RE
Misc : 6.20G/5ML/MSVOA_W/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
AOC1-07ARE

Quant Time: Oct 27 04:52:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

Instrument :

MSVOA_W

ClientSampleId :

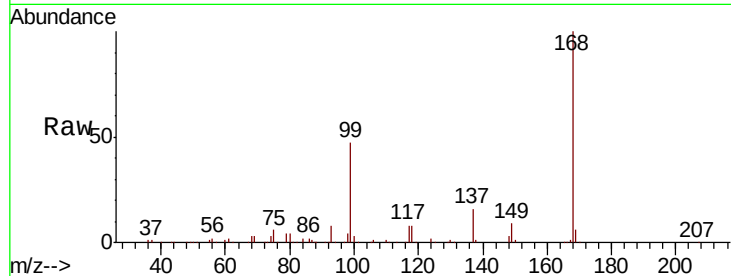
AOC1-07ARE

Tgt Ion:168 Resp: 277894

Ion Ratio Lower Upper

168 100

99 47.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

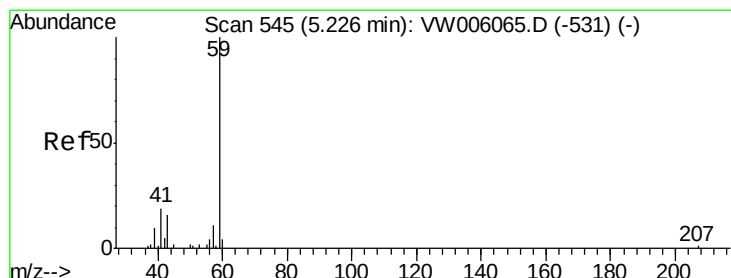
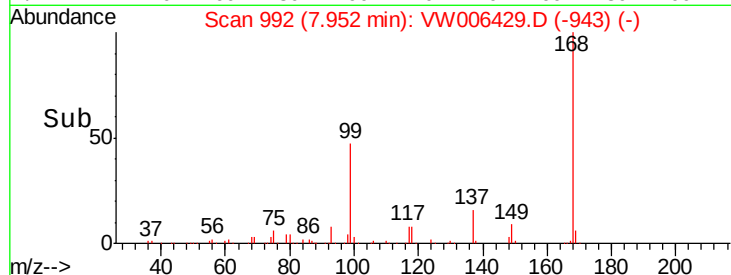
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.801 ug/l

RT: 5.23 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW006429.D

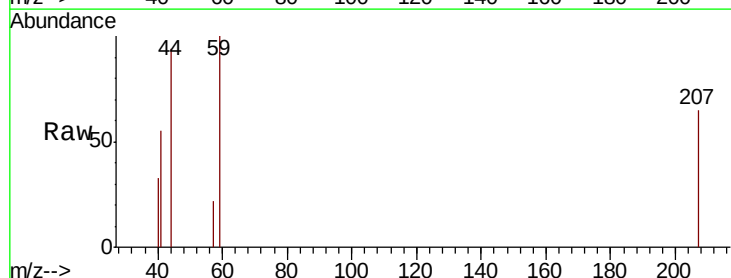
Acq: 27 Oct 2018 03:59

Tgt Ion: 59 Resp: 589

Ion Ratio Lower Upper

59 100

57 3.6 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

300

250

200

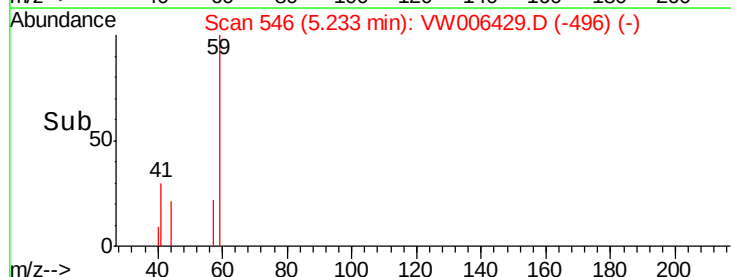
150

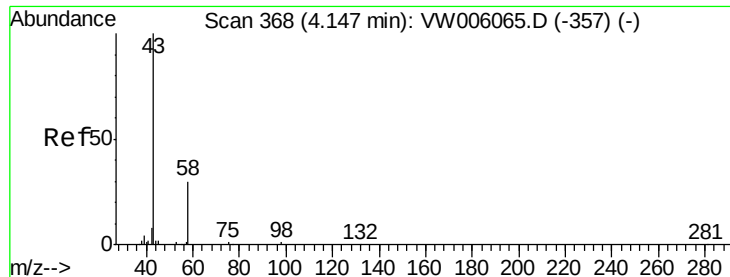
100

50

0

Time-->





#16

Acetone

Concen: 1.931 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

Instrument :

MSVOA_W

ClientSampleId :

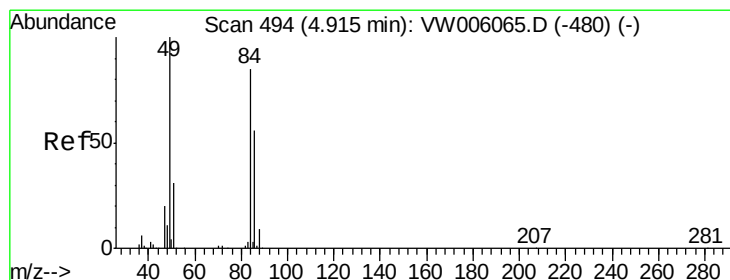
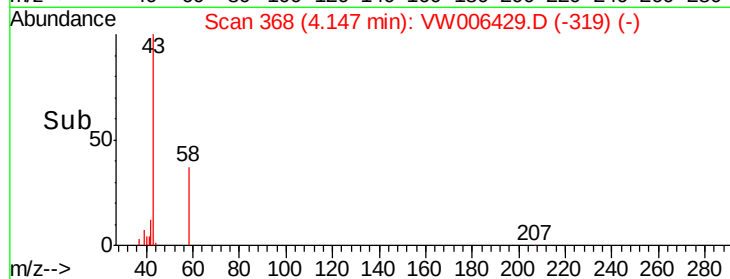
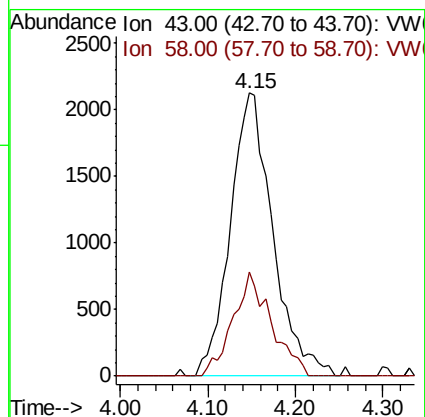
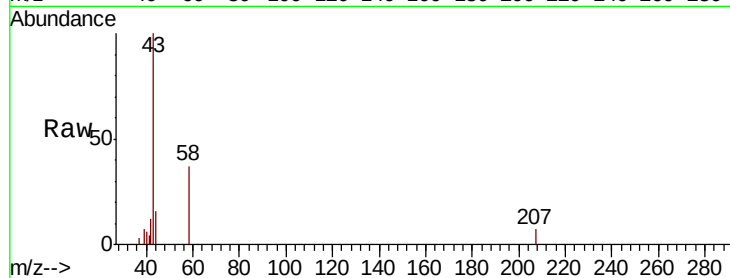
AOC1-07ARE

Tgt Ion: 43 Resp: 7184

Ion Ratio Lower Upper

43 100

58 36.7 24.0 36.0#



#20

Methylene Chloride

Concen: 2.872 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

Tgt Ion: 84 Resp: 10741

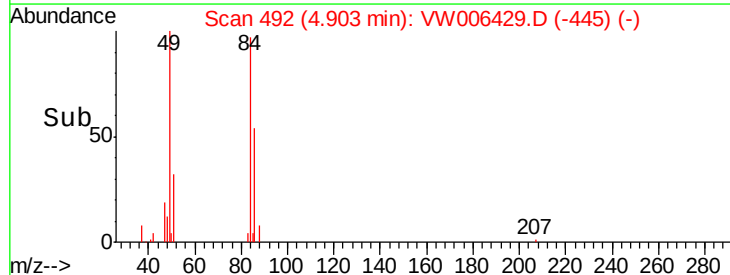
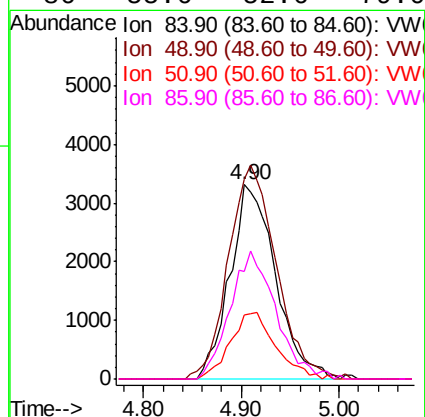
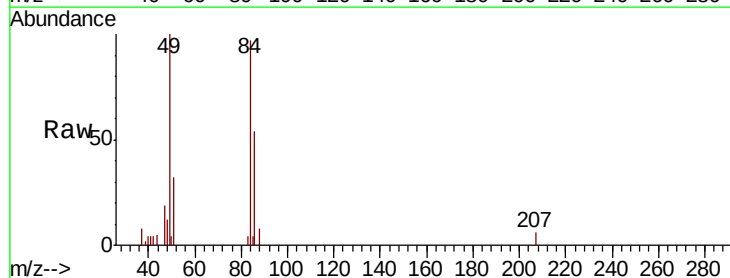
Ion Ratio Lower Upper

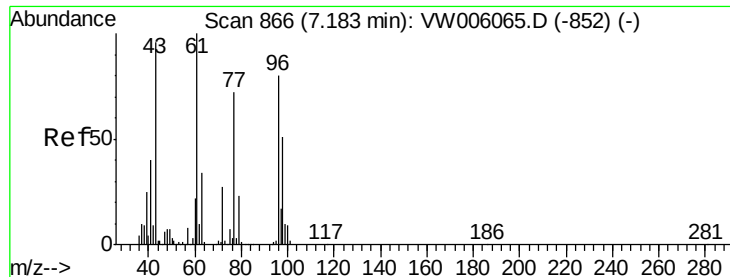
84 100

49 101.1 93.6 140.4

51 33.2 29.0 43.4

86 55.6 52.6 79.0





#25

2-Butanone

Concen: 3.885 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

Instrument :

MSVOA_W

ClientSampleId :

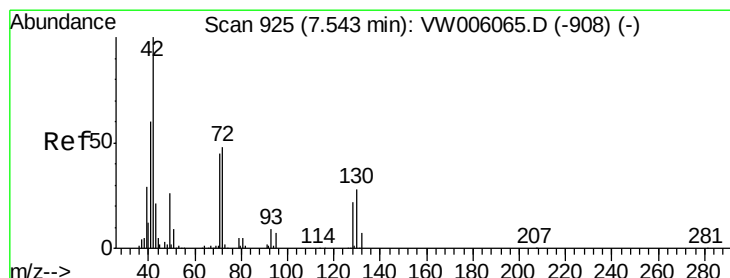
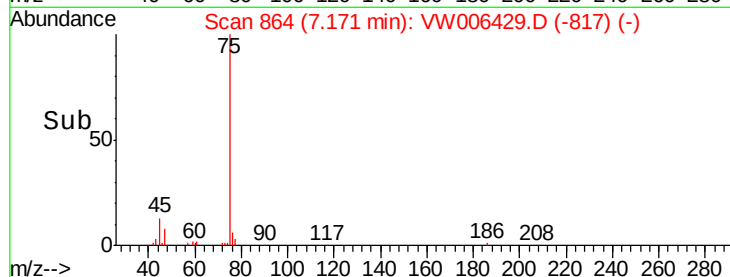
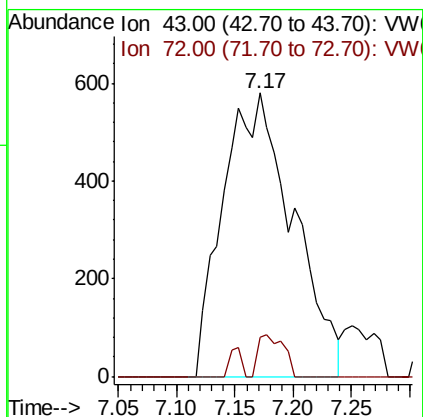
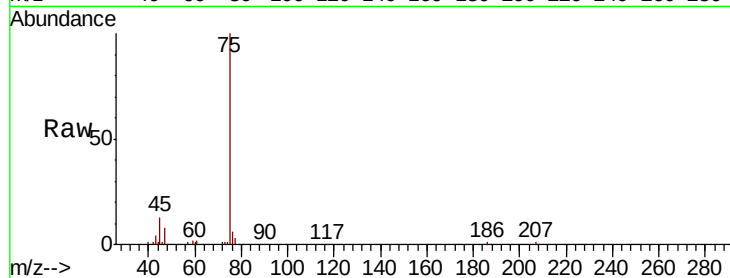
AOC1-07ARE

Tgt Ion: 43 Resp: 2418

Ion Ratio Lower Upper

43 100

72 13.8 22.8 34.2#



#29

Tetrahydrofuran

Concen: 1.391 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

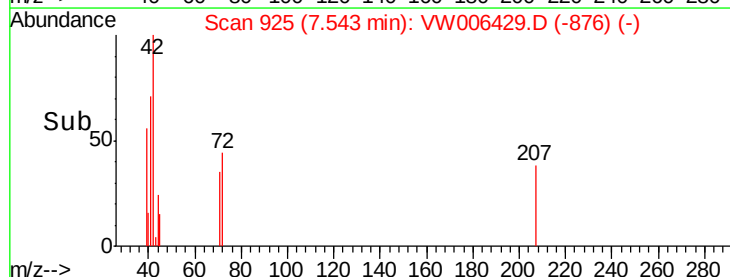
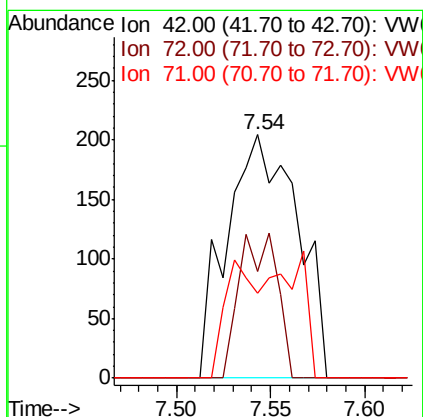
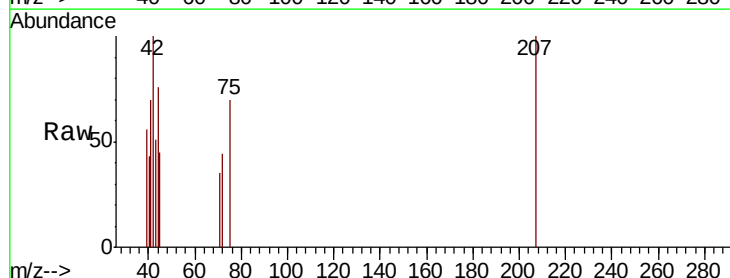
Tgt Ion: 42 Resp: 532

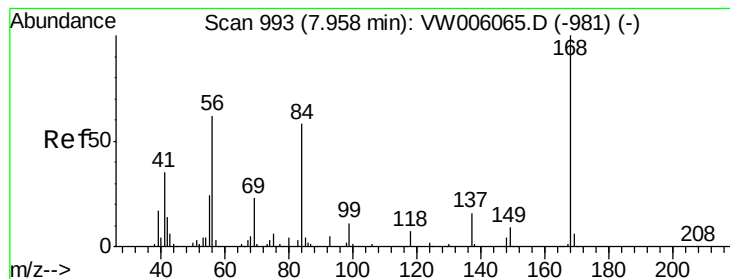
Ion Ratio Lower Upper

42 100

72 31.8 38.0 57.0#

71 21.6 35.3 52.9#





#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

Instrument :

MSVOA_W

ClientSampleId :

AOC1-07ARE

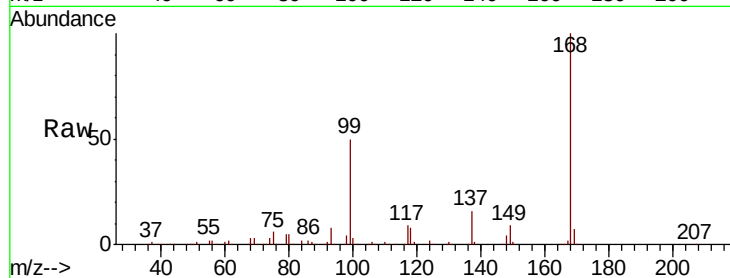
Tgt Ion: 56 Resp: 4969

Ion Ratio Lower Upper

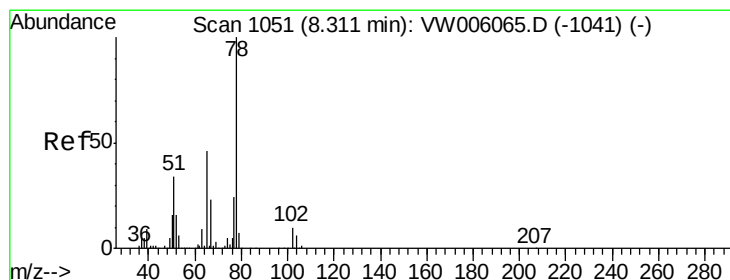
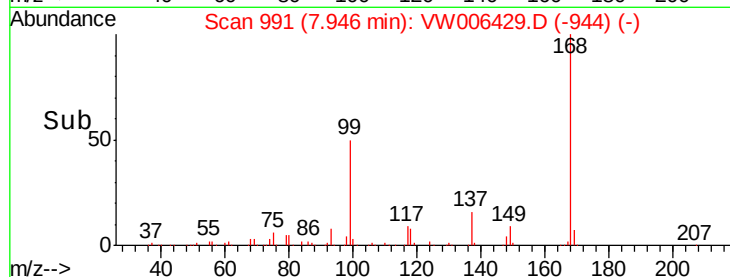
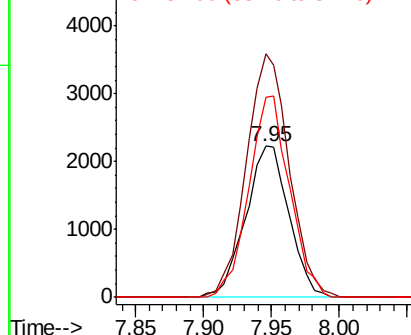
56 100

69 161.4 29.4 44.0#

84 133.0 74.0 111.0#



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: 59.322 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006429.D

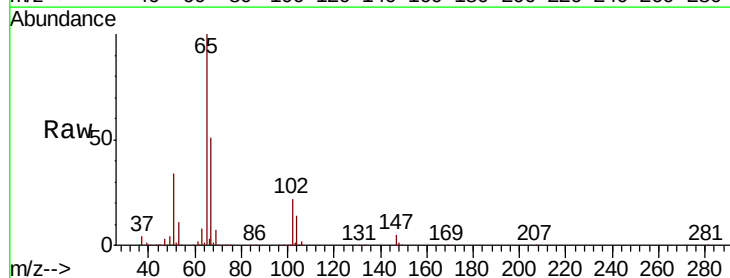
Acq: 27 Oct 2018 03:59

Tgt Ion: 65 Resp: 136671

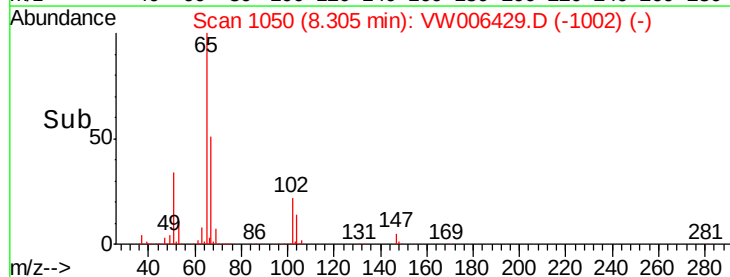
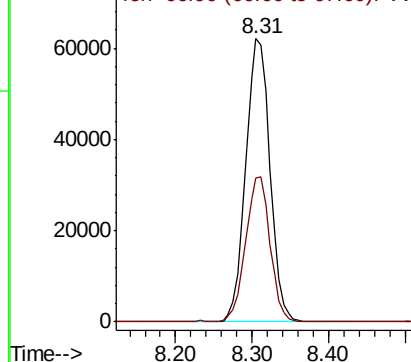
Ion Ratio Lower Upper

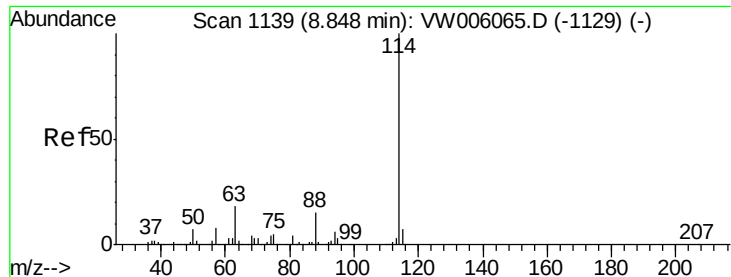
65 100

67 51.6 0.0 101.0



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. -0.01 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

Instrument :

MSVOA_W

ClientSampleId :

AOC1-07ARE

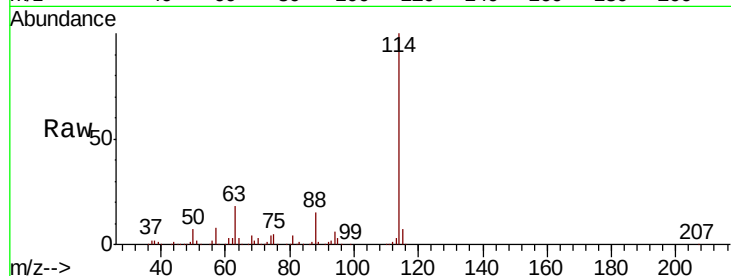
Tgt Ion:114 Resp: 411109

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

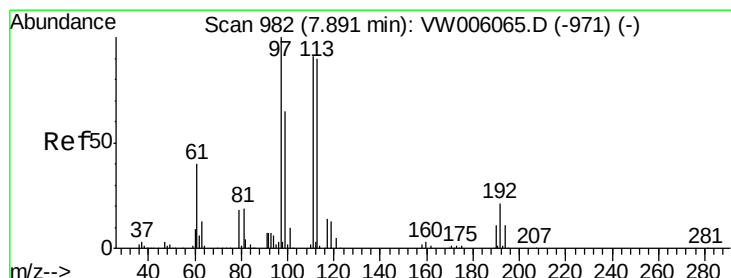
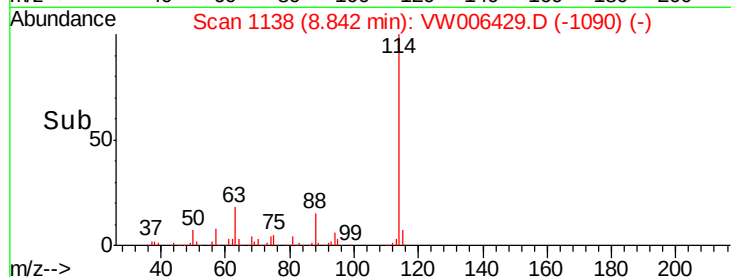
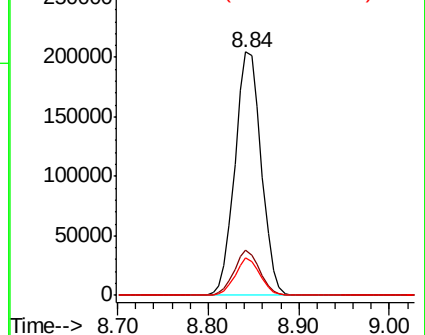
88 15.2 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 3.681 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

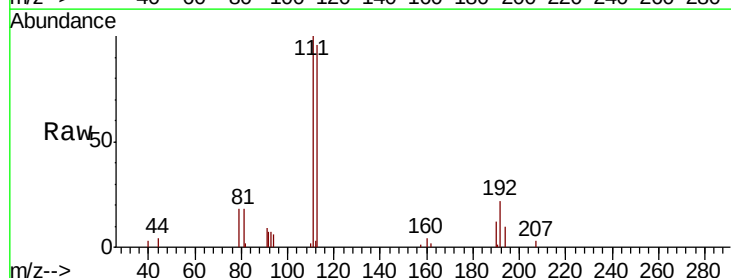
Tgt Ion:113 Resp: 8942

Ion Ratio Lower Upper

113 100

111 105.0 81.4 122.0

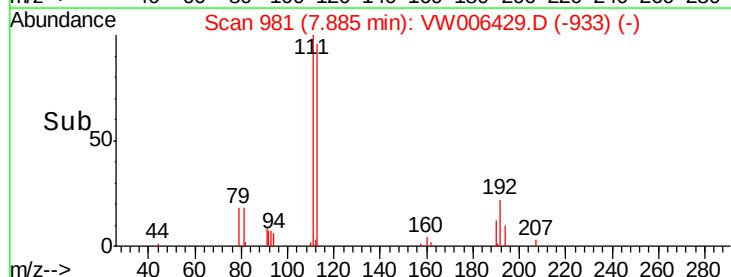
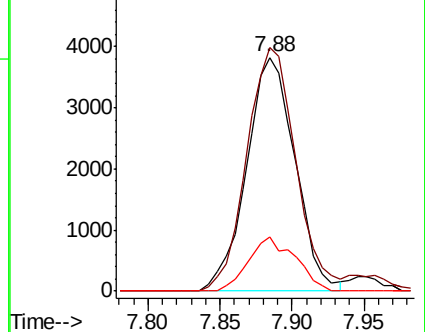
192 22.4 18.7 28.1

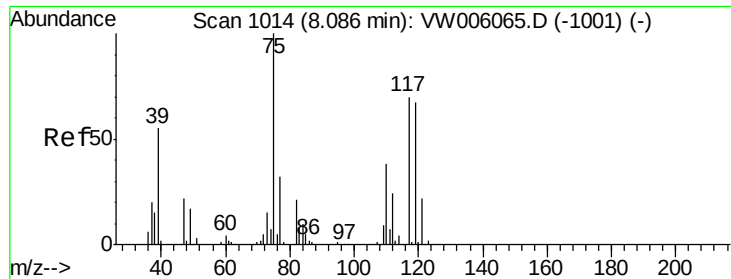


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.628 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

Instrument :

MSVOA_W

ClientSampleId :

AOC1-07ARE

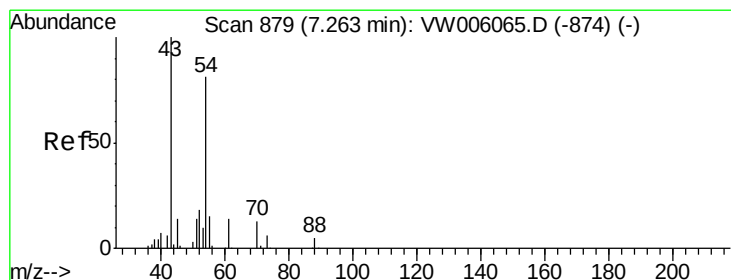
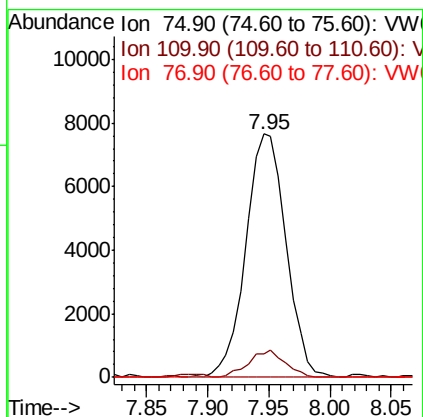
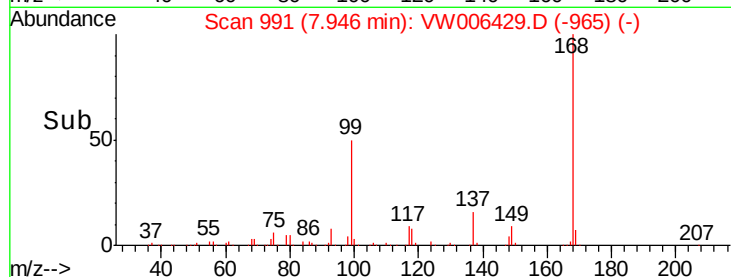
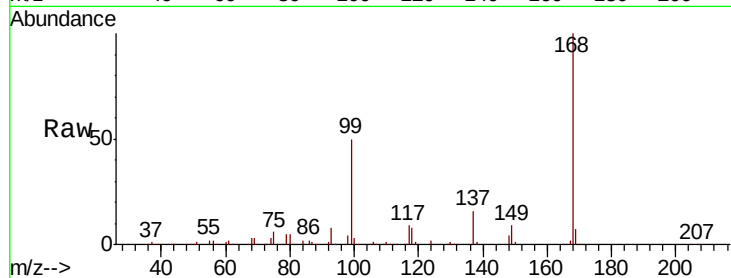
Tgt Ion: 75 Resp: 17536

Ion Ratio Lower Upper

75 100

110 9.9 19.1 57.1#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.717 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.09 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

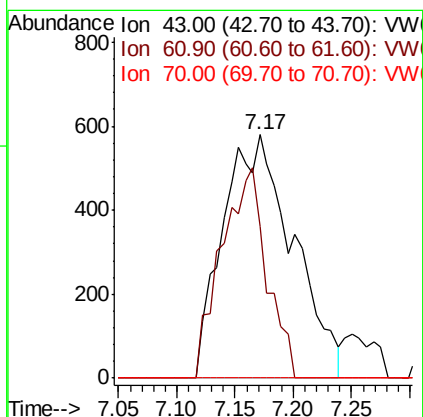
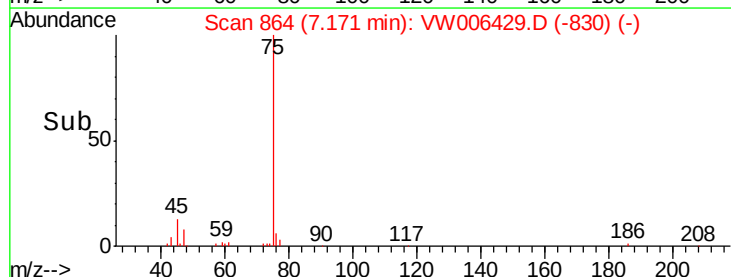
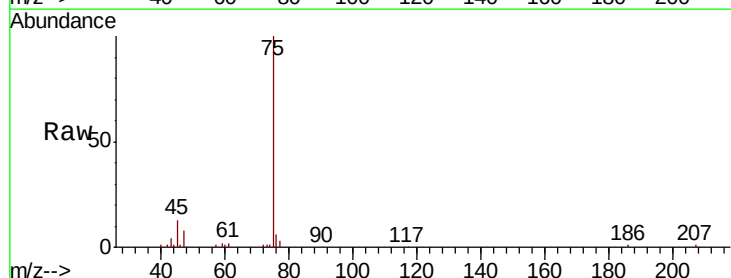
Tgt Ion: 43 Resp: 2418

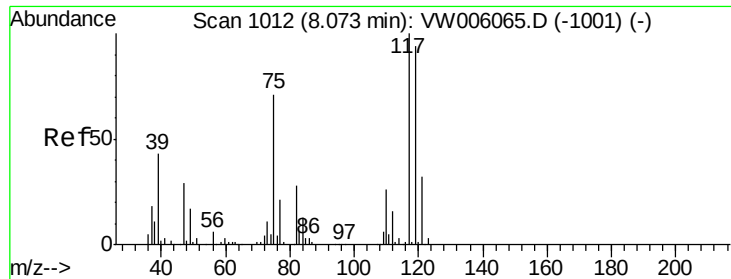
Ion Ratio Lower Upper

43 100

61 55.9 11.5 17.3#

70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 5.835 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

Instrument :

MSVOA_W

ClientSampleId :

AOC1-07ARE

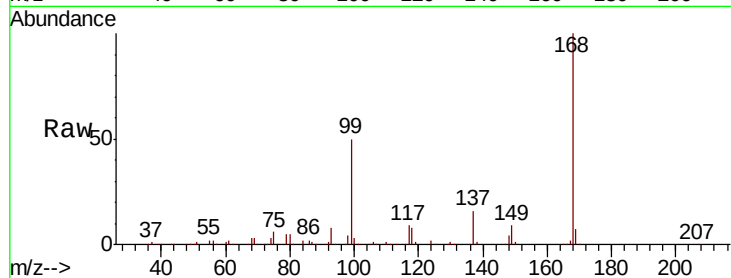
Tgt Ion:117 Resp: 24240

Ion Ratio Lower Upper

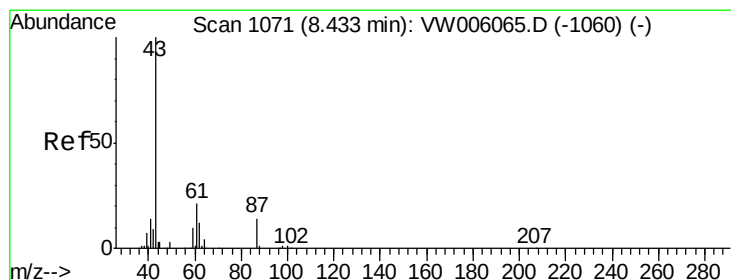
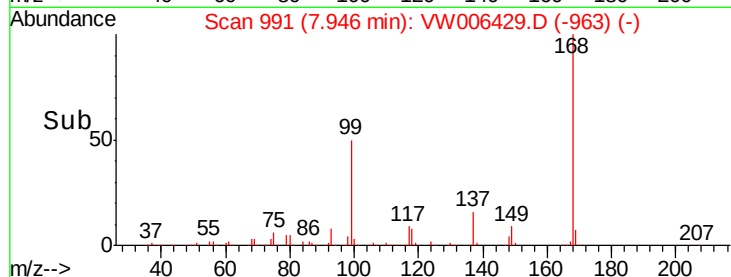
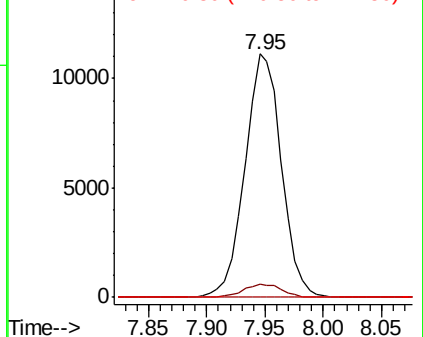
117 100

119 5.4 75.2 112.8#

121 0.0 25.3 37.9#



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



#43

Isopropyl Acetate

Concen: 1.586 ug/l

RT: 8.25 min Scan# 1041

Delta R.T. -0.18 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

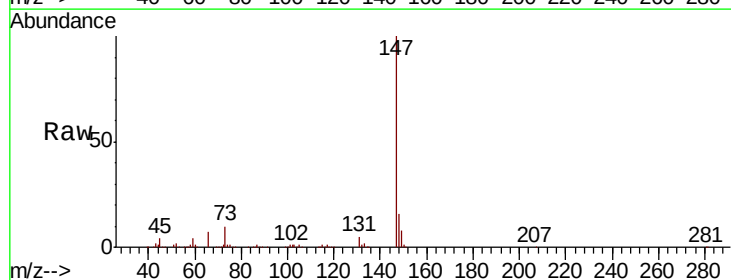
Tgt Ion: 43 Resp: 4564

Ion Ratio Lower Upper

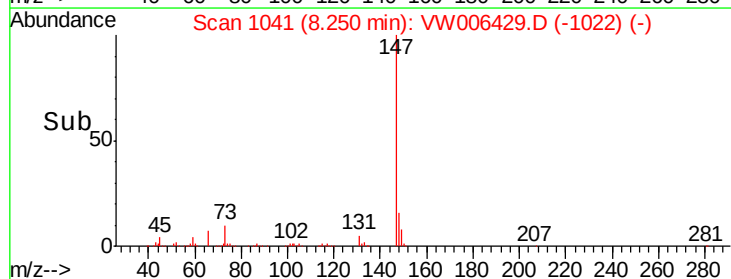
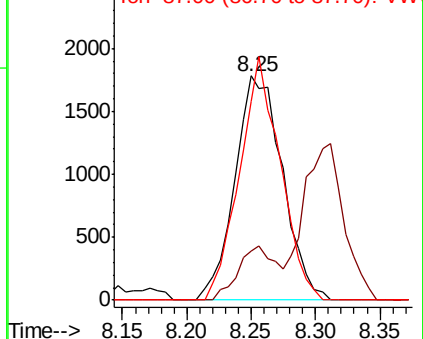
43 100

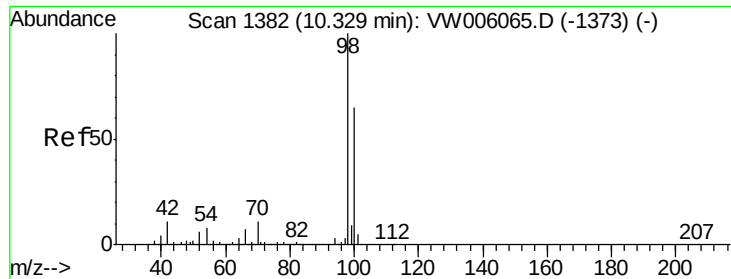
61 19.2 25.5 38.3#

87 92.6 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW

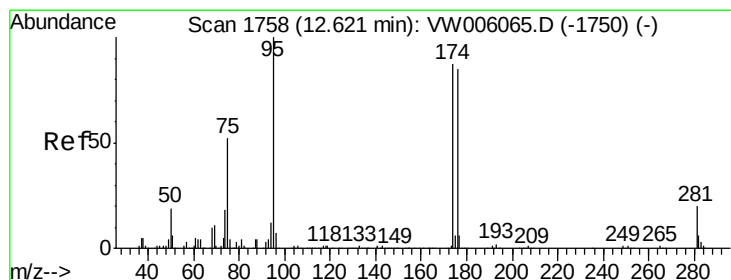
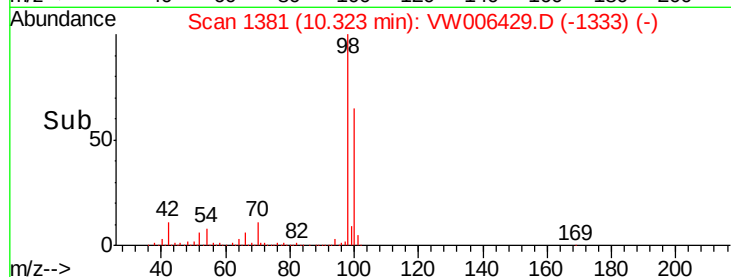
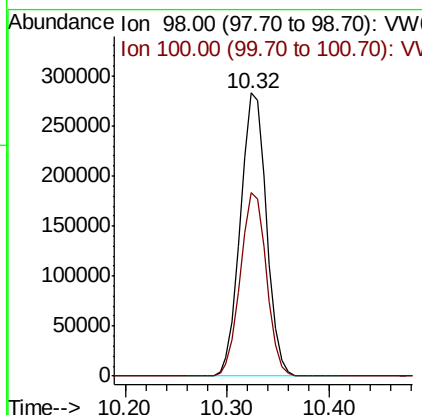
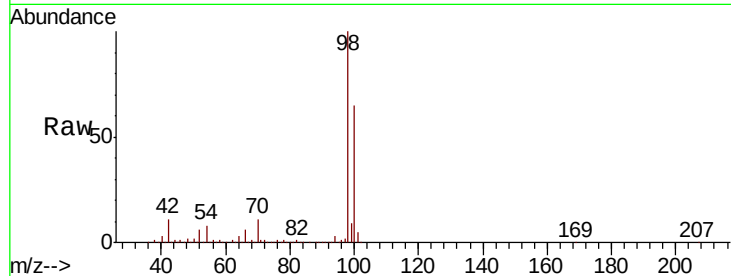




#50
Toluene-d8
Concen: 54.206 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006429.D
Acq: 27 Oct 2018 03:59

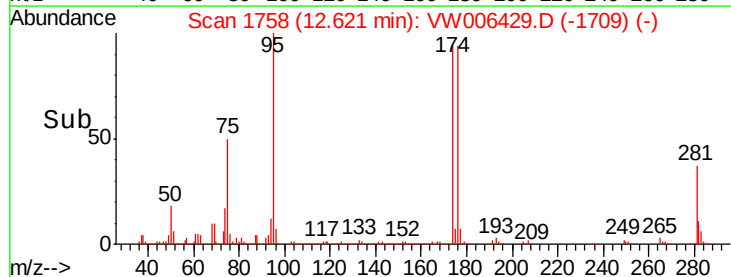
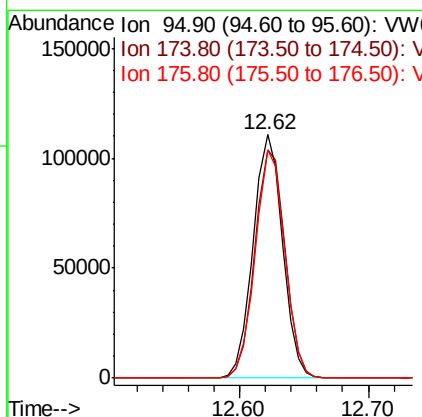
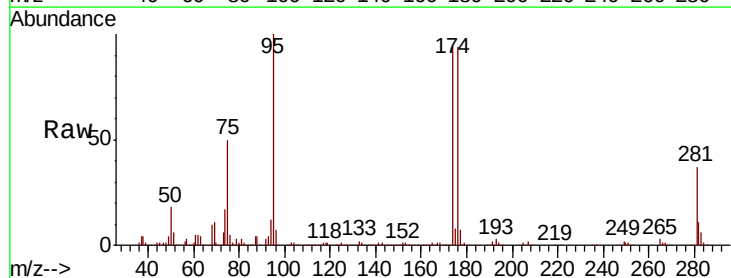
Instrument :
MSVOA_W
ClientSampleId :
AOC1-07ARE

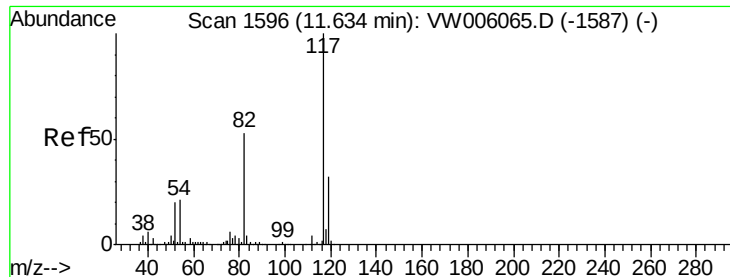
Tgt Ion: 98 Resp: 500972
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 50.368 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006429.D
Acq: 27 Oct 2018 03:59

Tgt Ion: 95 Resp: 174835
Ion Ratio Lower Upper
95 100
174 96.0 0.0 186.0
176 93.8 0.0 181.6

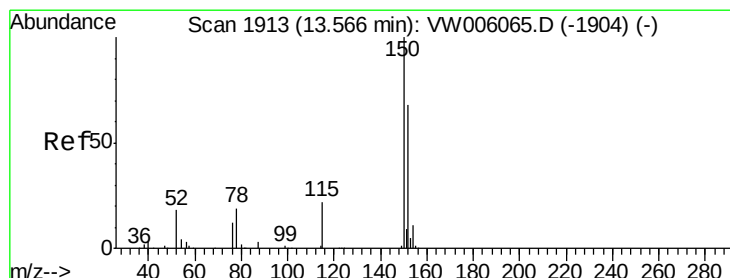
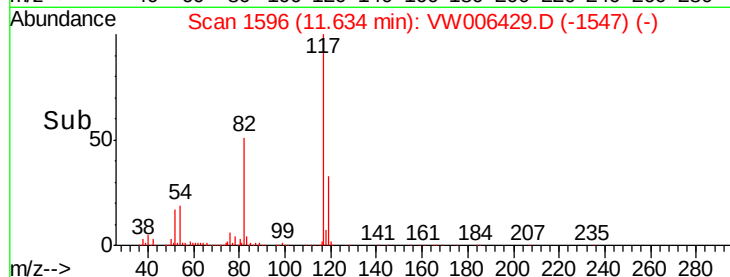
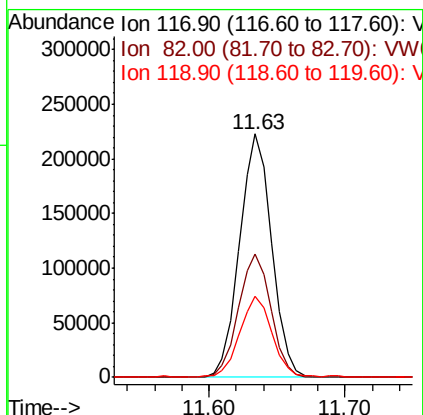
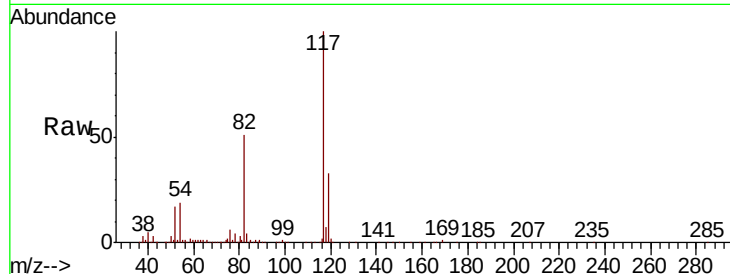




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006429.D
Acq: 27 Oct 2018 03:59

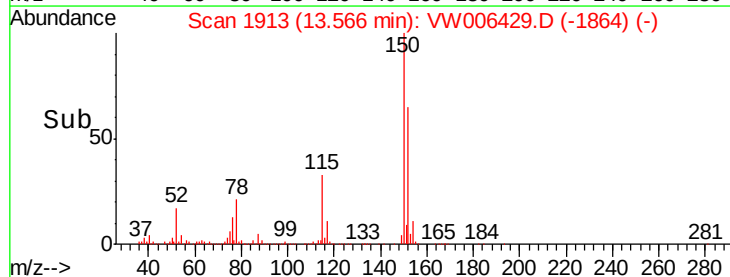
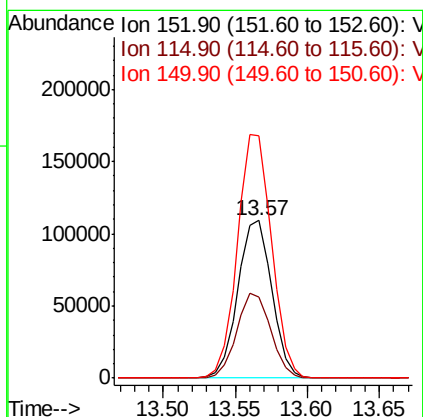
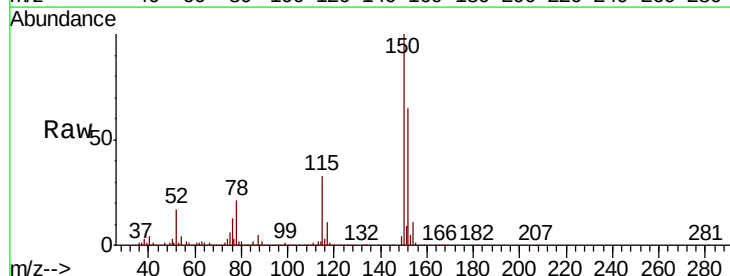
Instrument :
MSVOA_W
ClientSampleId :
AOC1-07ARE

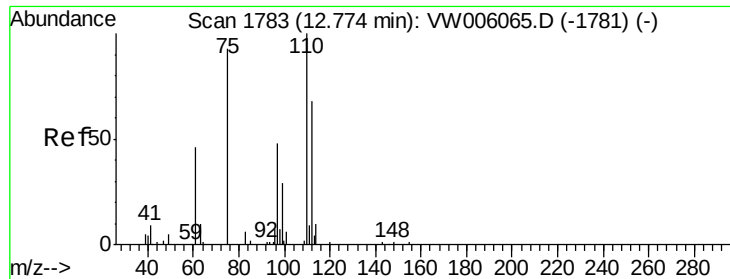
Tgt Ion:117 Resp: 367555
Ion Ratio Lower Upper
117 100
82 50.6 42.1 63.1
119 32.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006429.D
Acq: 27 Oct 2018 03:59

Tgt Ion:152 Resp: 177914
Ion Ratio Lower Upper
152 100
115 54.0 27.8 83.3
150 156.0 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 64.700 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

Instrument :

MSVOA_W

ClientSampleId :

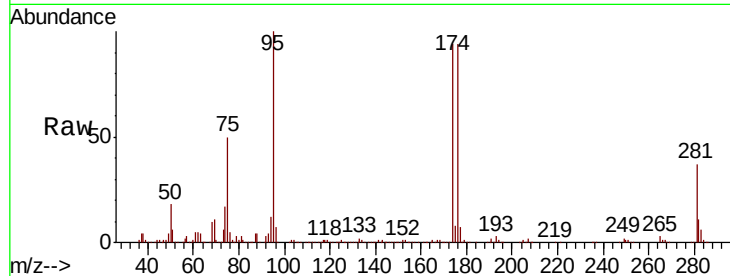
AOC1-07ARE

Tgt Ion: 75 Resp: 87922

Ion Ratio Lower Upper

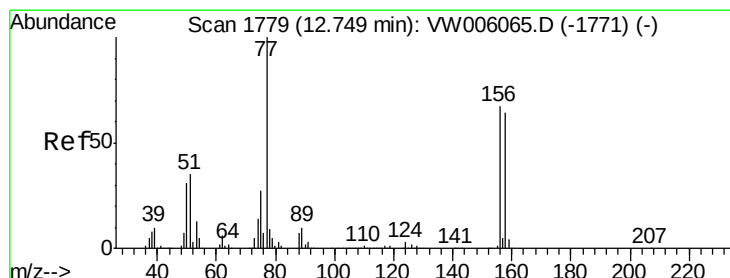
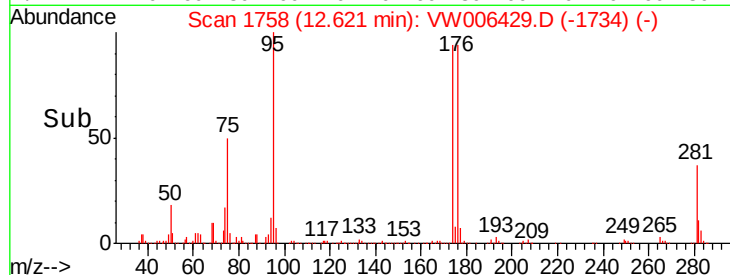
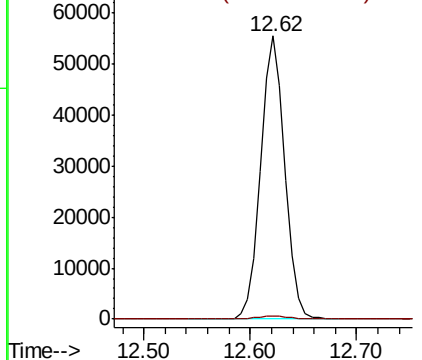
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#77

Bromobenzene

Concen: 7.073 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.19 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

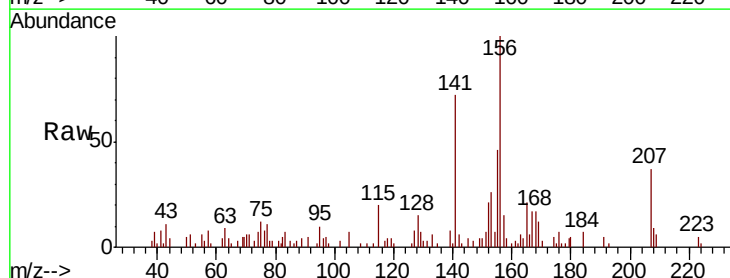
Tgt Ion: 156 Resp: 21775

Ion Ratio Lower Upper

156 100

77 0.0 79.1 237.4#

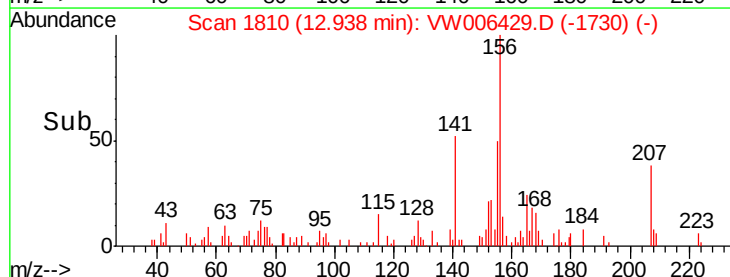
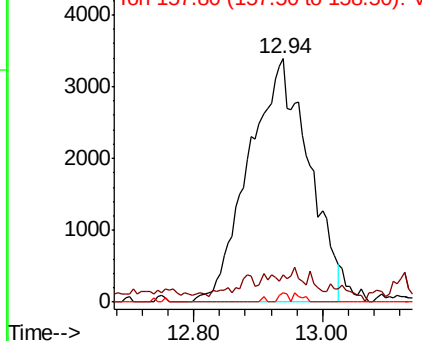
158 0.6 48.5 145.6#

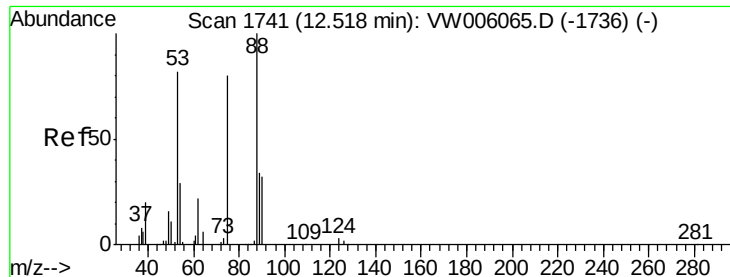


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V





#81

trans-1,4-Dichloro-2-butene

Concen: 154.659 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006429.D

Acq: 27 Oct 2018 03:59

Instrument :

MSVOA_W

ClientSampleId :

AOC1-07ARE

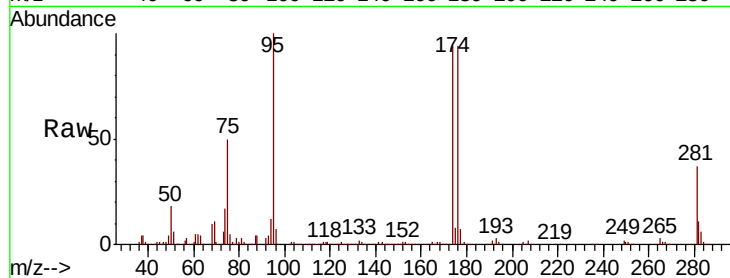
Tgt Ion: 75 Resp: 87922

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.3 37.5 56.3#



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

