

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006138.D
 Acq On : 17 Oct 2018 20:19
 Operator : VA/AP
 Sample : J5515-15
 Misc : 5.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-02A

Quant Time: Oct 18 10:45:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	308858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	464520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	429322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	227918	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	119376	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
35) Dibromofluoromethane	7.89	113	120621	43.94	ug/l	0.00
Spiked Amount			Recovery	=	87.88%	
50) Toluene-d8	10.33	98	457355	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	
62) 4-Bromofluorobenzene	12.62	95	177063	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	

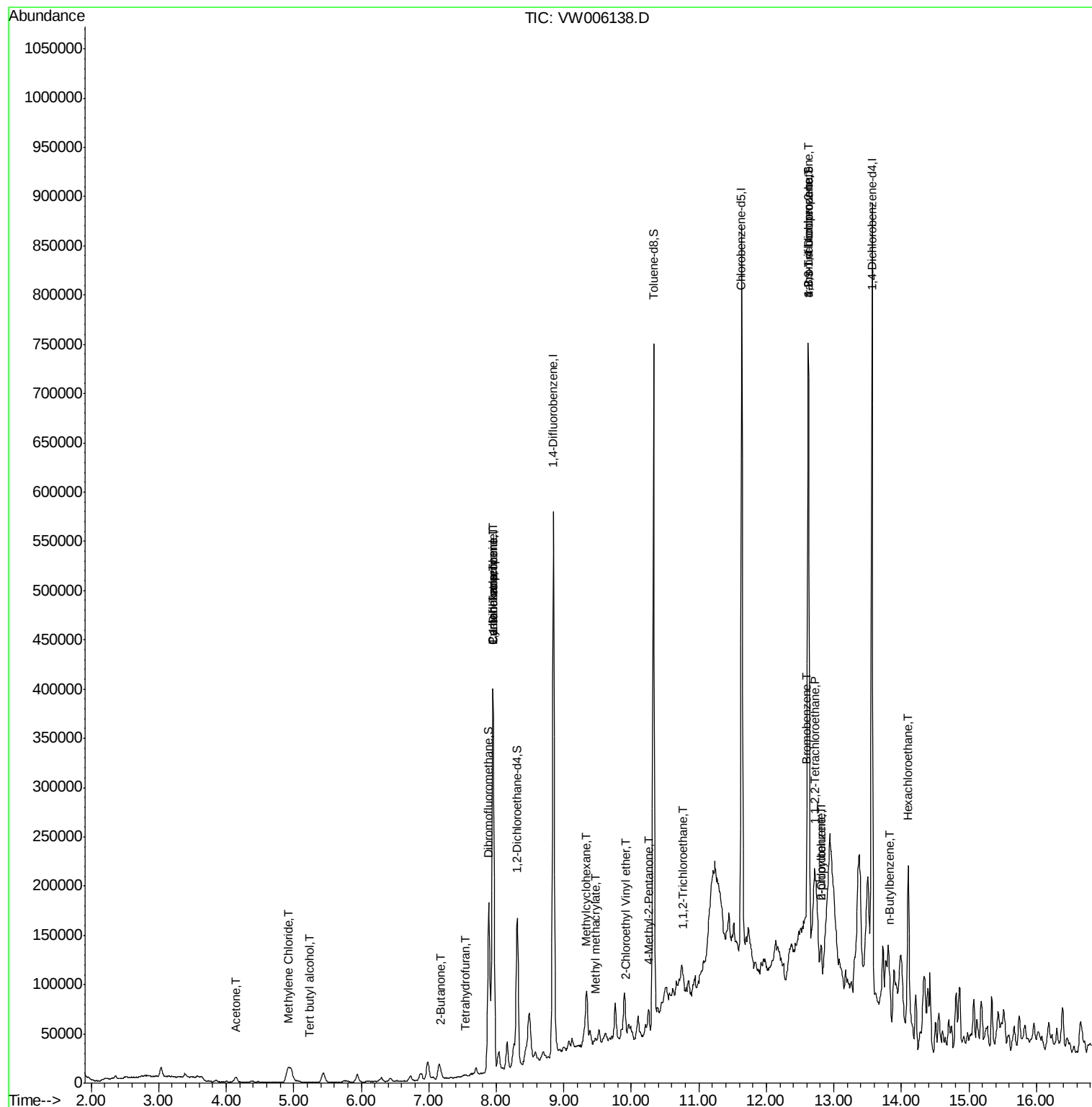
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	485	2.82	ug/l #	71
16) Acetone	4.15	43	10342	7.15	ug/l	95
20) Methylene Chloride	4.92	84	8365	1.51	ug/l	92
25) 2-Butanone	7.18	43	3538	5.11	ug/l	94
29) Tetrahydrofuran	7.54	42	619	1.46	ug/l #	79
31) Cyclohexane	7.95	56	13599	2.90	ug/l #	66
36) 1,1-Dichloropropene	7.95	75	20205	4.72	ug/l #	49
38) Carbon Tetrachloride	7.95	117	27670	5.90	ug/l #	16
39) Methylcyclohexane	9.34	83	21864	3.84	ug/l	98
48) Methyl methacrylate	9.47	41	1821	1.18	ug/l #	20
51) 4-Methyl-2-Pentanone	10.25	43	3723	2.28	ug/l #	59
55) 1,1,2-Trichloroethane	10.77	97	6526	2.91	ug/l #	24
58) 2-Chloroethyl Vinyl ether	9.93	63	1139	1.08	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.71	83	36636	14.96	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	89641	51.49	ug/l #	100
77) Bromobenzene	12.60	156	74866	18.98	ug/l #	1
78) n-propylbenzene	12.81	91	30424	1.62	ug/l	96
79) 2-Chlorotoluene	12.81	91	30424	2.89	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.62	75	89641	123.09	ug/l #	10
89) n-Butylbenzene	13.83	91	16599	1.17	ug/l #	78
90) Hexachloroethane	14.10	117	7058	2.69	ug/l #	5

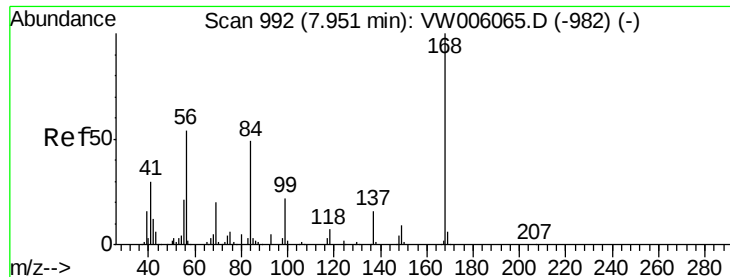
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
Data File : VW006138.D
Acq On : 17 Oct 2018 20:19
Operator : VA/AP
Sample : J5515-15
Misc : 5.91G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
AOC2-02A

Quant Time: Oct 18 10:45:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006138.D

Acq: 17 Oct 2018 20:19

Instrument :

MSVOA_W

ClientSampleId :

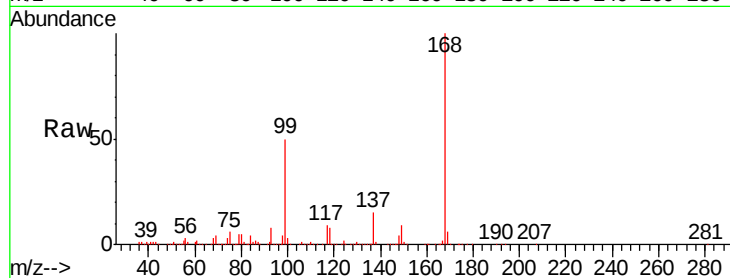
AOC2-02A

Tgt Ion:168 Resp: 308858

Ion Ratio Lower Upper

168 100

99 49.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

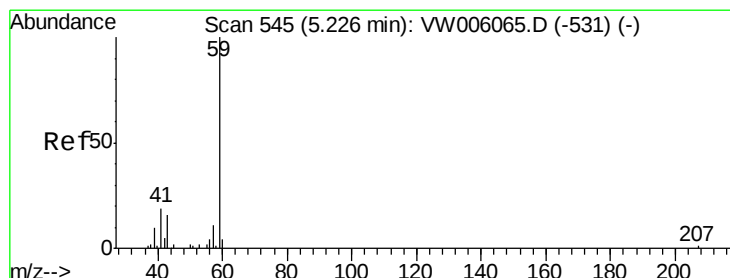
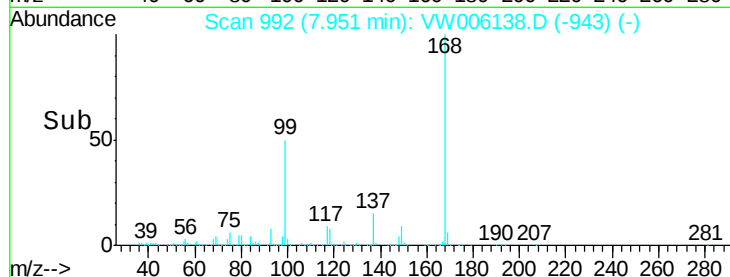
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.82 ug/l

RT: 5.23 min Scan# 545

Delta R.T. -0.00 min

Lab File: VW006138.D

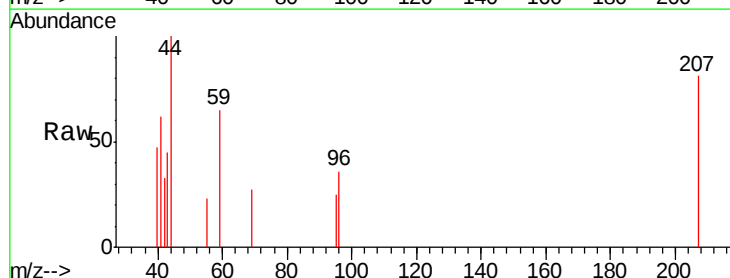
Acq: 17 Oct 2018 20:19

Tgt Ion: 59 Resp: 485

Ion Ratio Lower Upper

59 100

57 0.0 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

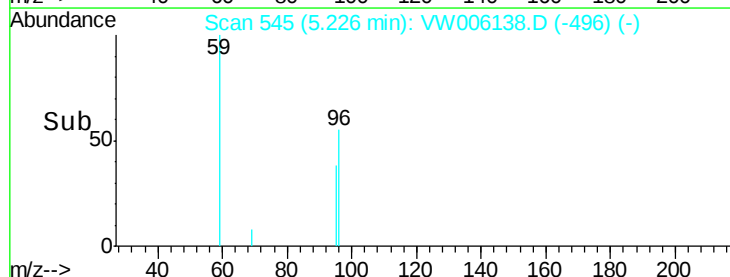
150

100

50

0

Time-->





#16

Acetone

Concen: 7.15 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006138.D

Acq: 17 Oct 2018 20:19

Instrument :

MSVOA_W

ClientSampleId :

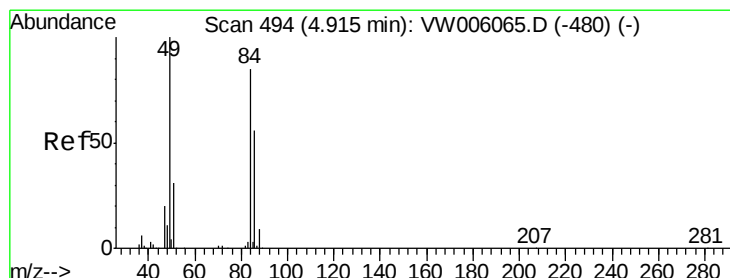
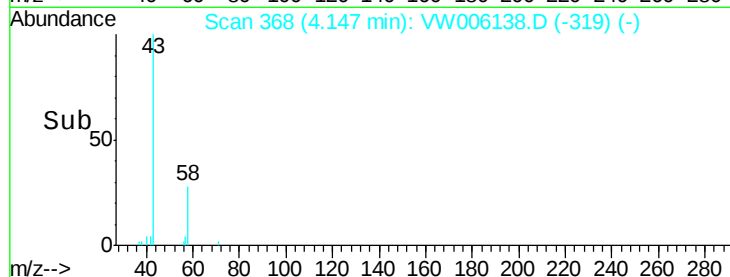
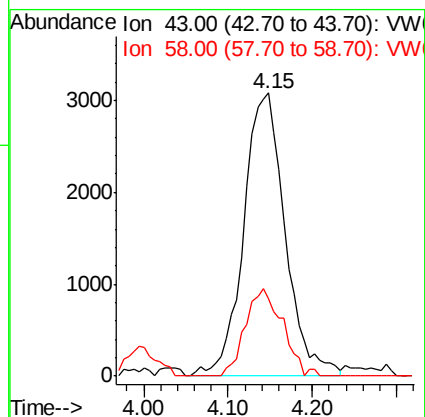
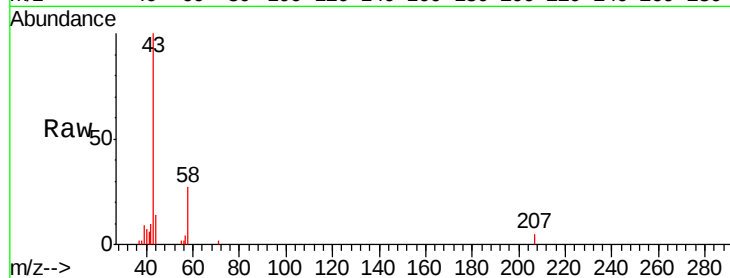
AOC2-02A

Tgt Ion: 43 Resp: 10342

Ion Ratio Lower Upper

43 100

58 27.1 24.0 36.0



#20

Methylene Chloride

Concen: 1.51 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006138.D

Acq: 17 Oct 2018 20:19

Tgt Ion: 84 Resp: 8365

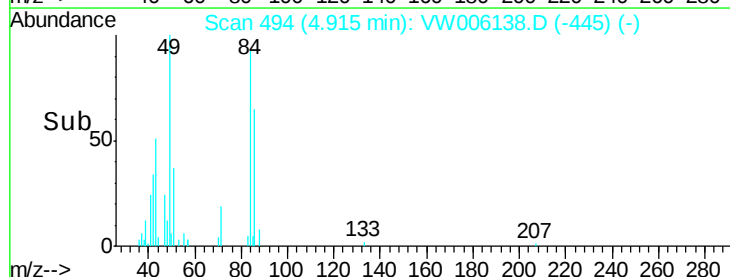
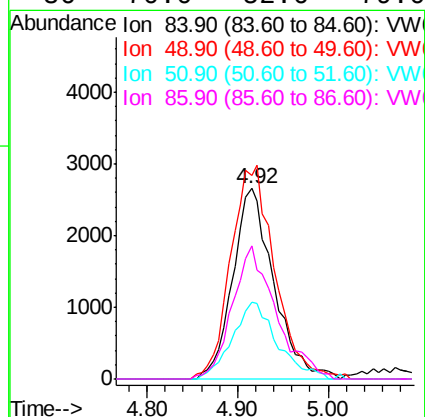
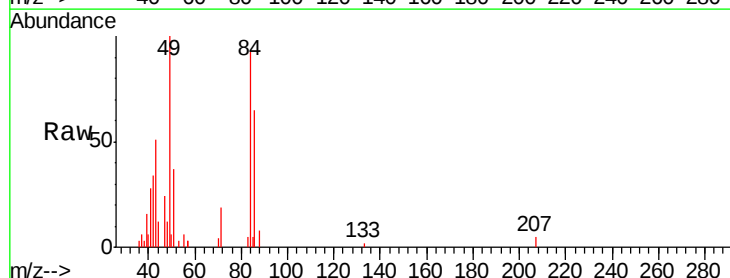
Ion Ratio Lower Upper

84 100

49 107.1 93.6 140.4

51 40.0 29.0 43.4

86 70.0 52.6 79.0





#25

2-Butanone

Concen: 5.11 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006138.D

Acq: 17 Oct 2018 20:19

Instrument :

MSVOA_W

ClientSampled :

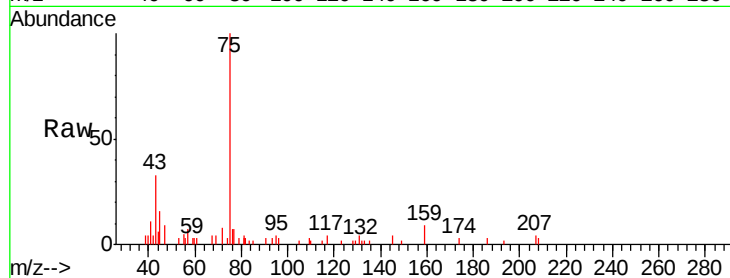
AOC2-02A

Tgt Ion: 43 Resp: 3538

Ion Ratio Lower Upper

43 100

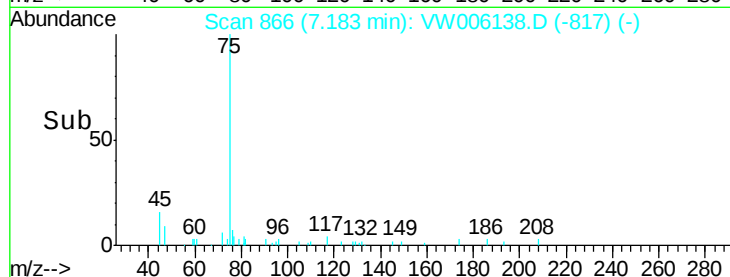
72 25.6 22.8 34.2



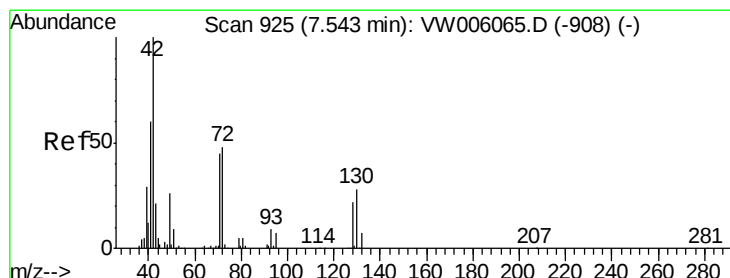
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

Time-->



Time-->



#29

Tetrahydrofuran

Concen: 1.46 ug/l

RT: 7.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: VW006138.D

Acq: 17 Oct 2018 20:19

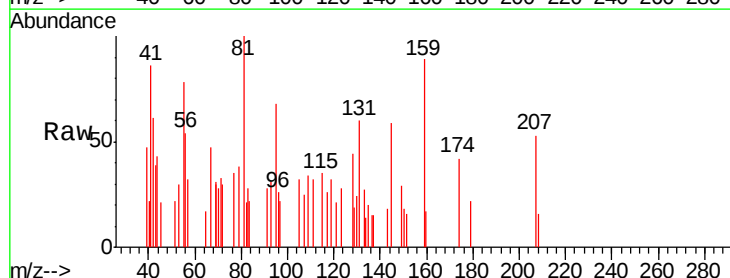
Tgt Ion: 42 Resp: 619

Ion Ratio Lower Upper

42 100

72 24.6 38.0 57.0#

71 39.9 35.3 52.9

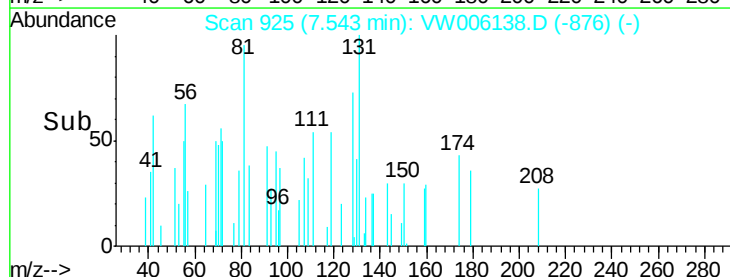


Abundance Ion 42.00 (41.70 to 42.70): VW

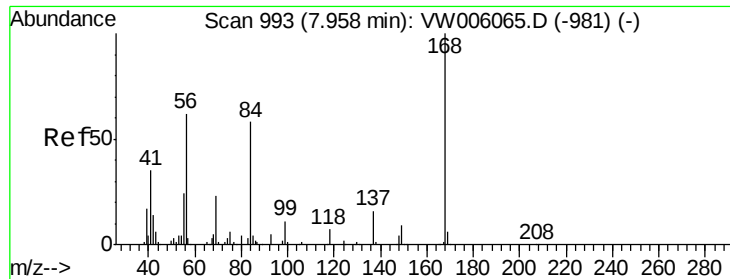
Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

Time-->



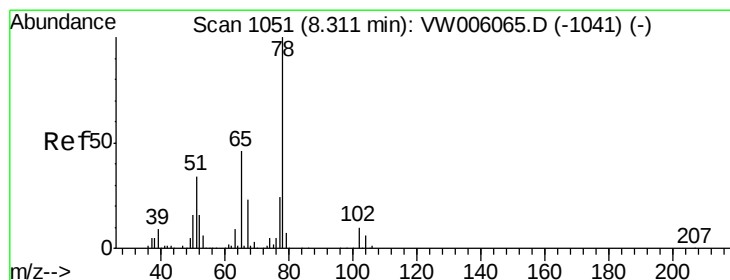
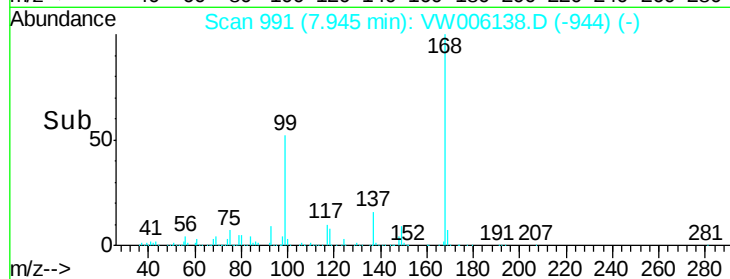
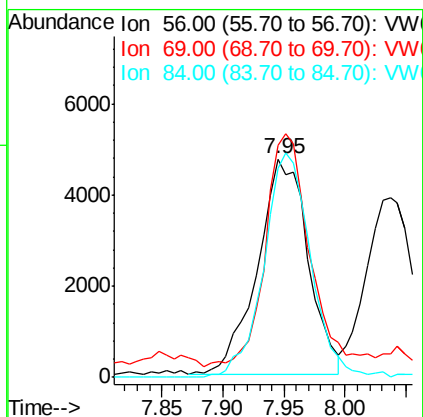
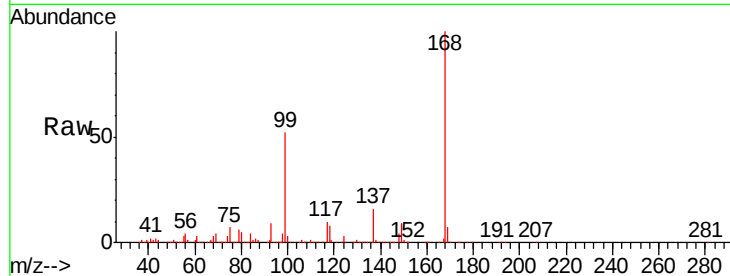
Time-->



#31
Cyclohexane
Concen: 2.90 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006138.D
Acq: 17 Oct 2018 20:19

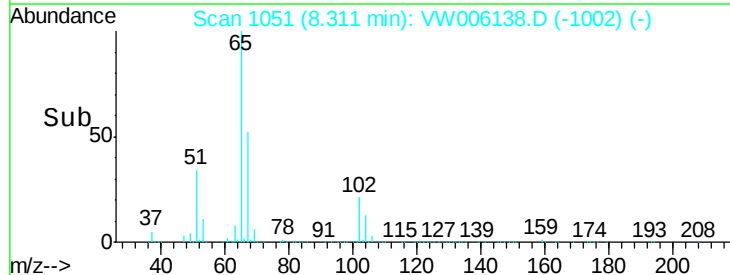
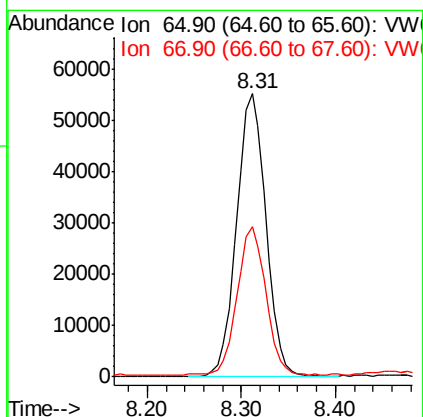
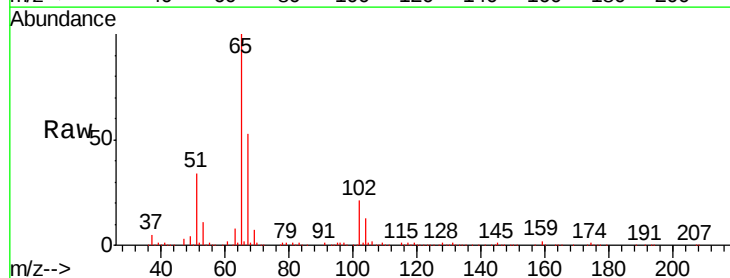
Instrument :
MSVOA_W
ClientSampleId :
AOC2-02A

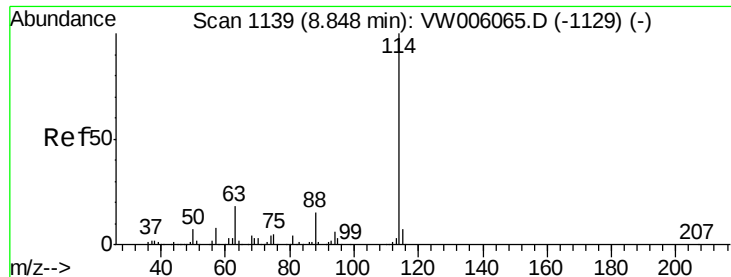
Tgt Ion: 56 Resp: 13599
Ion Ratio Lower Upper
56 100
69 99.0 29.4 44.0#
84 97.5 74.0 111.0



#33
1,2-Dichloroethane-d4
Concen: 46.62 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW006138.D
Acq: 17 Oct 2018 20:19

Tgt Ion: 65 Resp: 119376
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.0

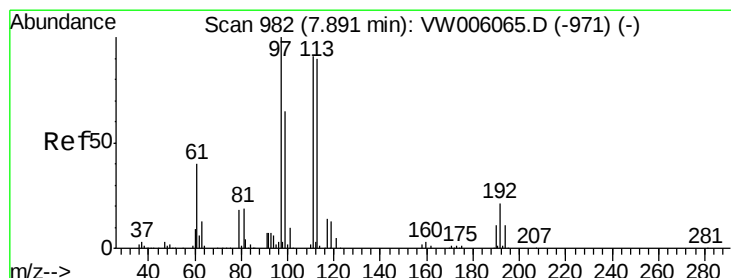
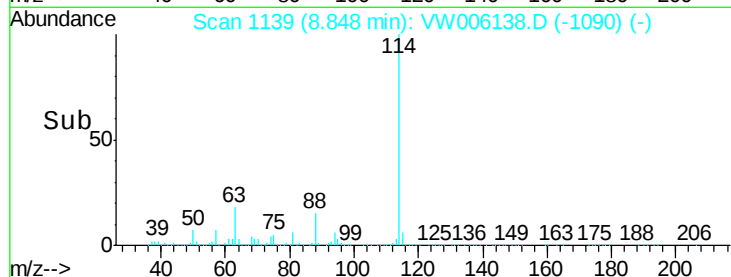
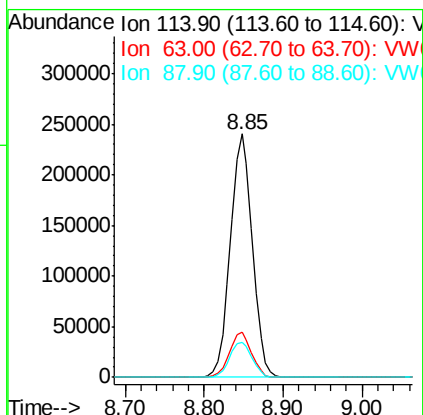
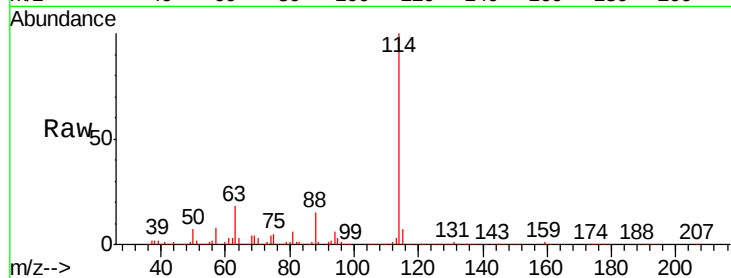




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006138.D
 Acq: 17 Oct 2018 20:19

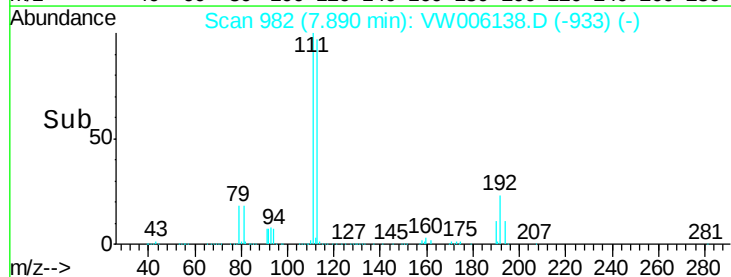
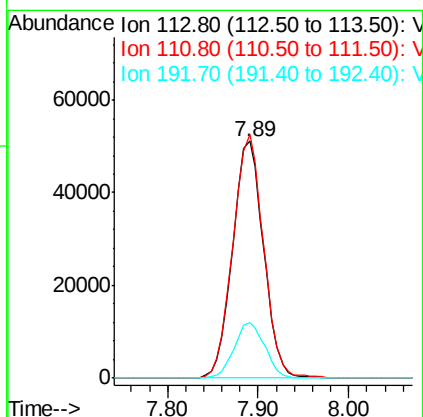
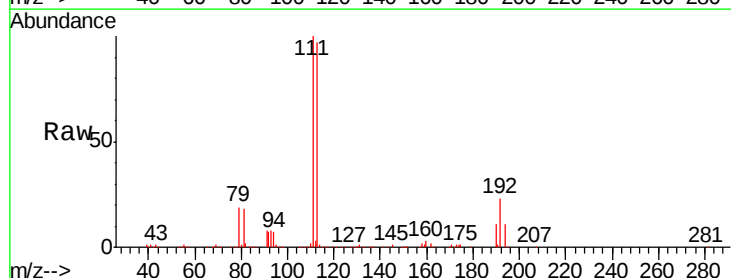
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-02A

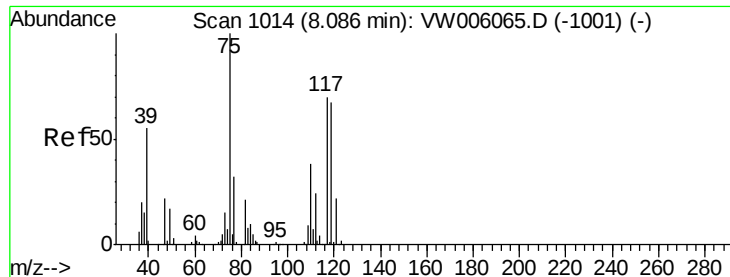
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	36.8
88	14.6	0.0	29.0



#35
 Dibromofluoromethane
 Concen: 43.94 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006138.D
 Acq: 17 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.0
192	23.3	18.7	28.1

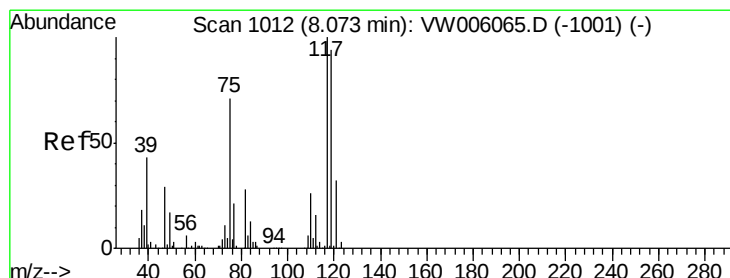
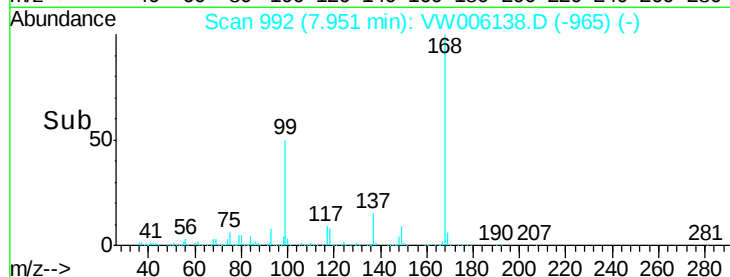
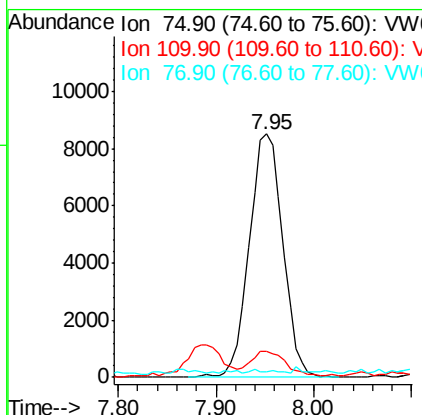
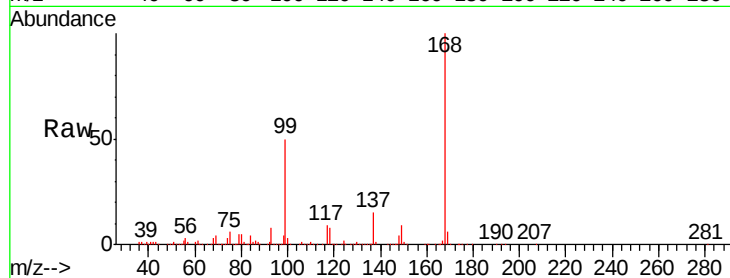




#36
 1,1-Dichloropropene
 Concen: 4.72 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006138.D
 Acq: 17 Oct 2018 20:19

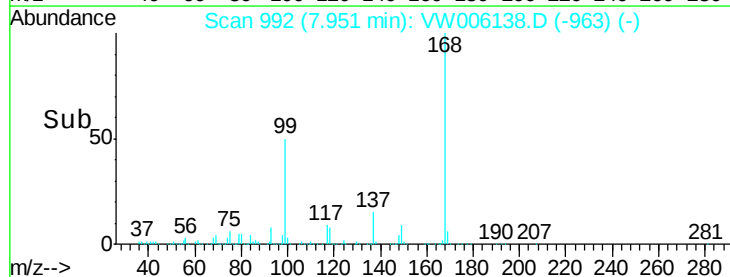
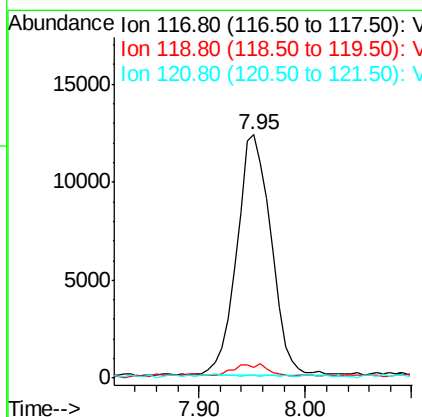
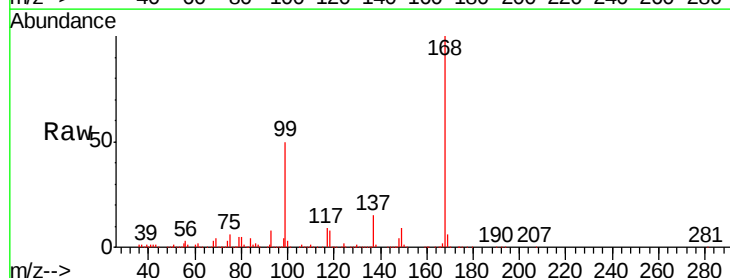
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-02A

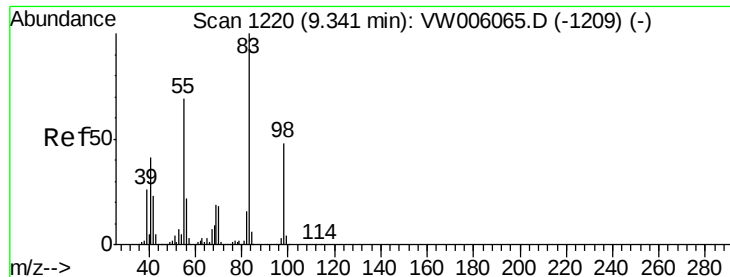
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	19.1	57.1#
77	0.2	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.90 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006138.D
 Acq: 17 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	75.2	112.8#
121	0.1	25.3	37.9#

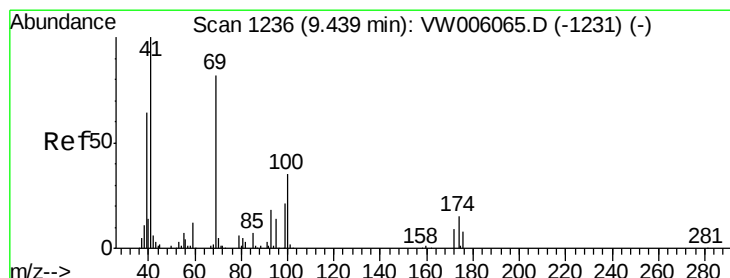
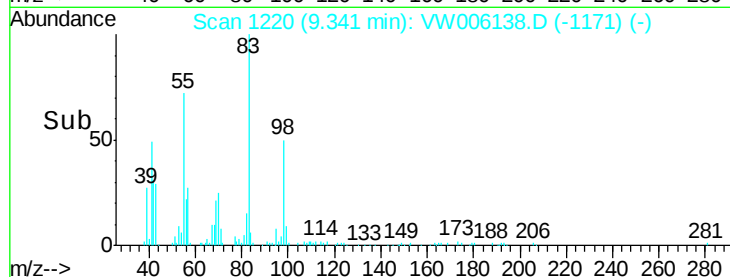
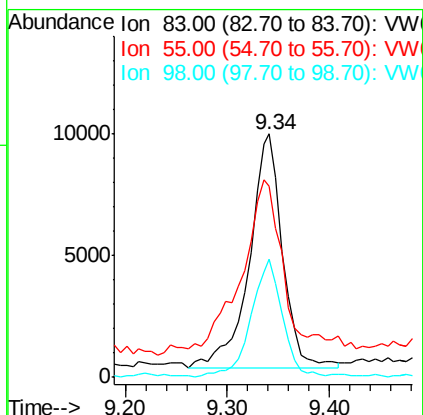
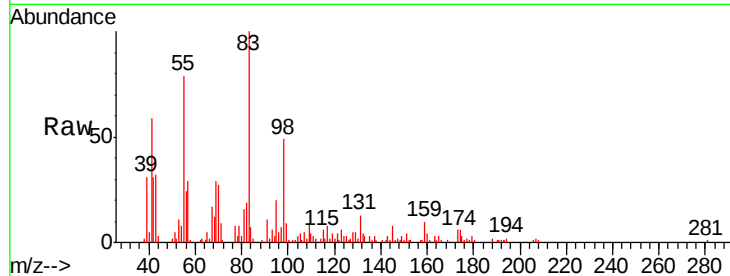




#39
Methylcyclohexane
Concen: 3.84 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW006138.D
Acq: 17 Oct 2018 20:19

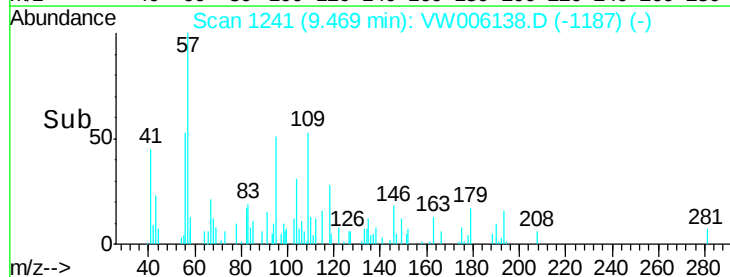
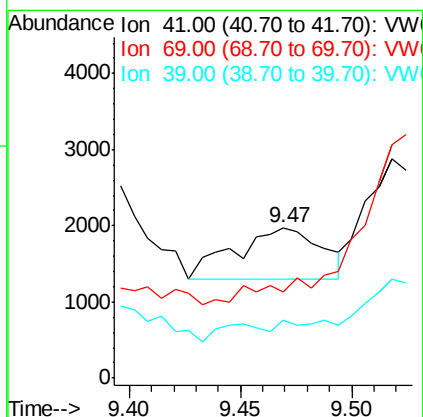
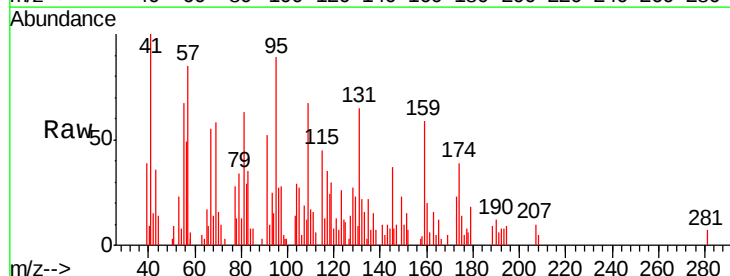
Instrument :
MSVOA_W
ClientSampled :
AOC2-02A

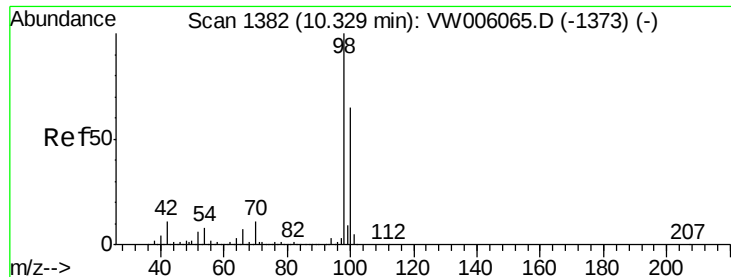
Tgt Ion: 83 Resp: 21864
Ion Ratio Lower Upper
83 100
55 69.7 55.0 82.6
98 49.8 38.6 57.8



#48
Methyl methacrylate
Concen: 1.18 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW006138.D
Acq: 17 Oct 2018 20:19

Tgt Ion: 41 Resp: 1821
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 18.4 52.5 78.7#





#50

Toluene-d8

Concen: 43.80 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006138.D

Acq: 17 Oct 2018 20:19

Instrument :

MSVOA_W

ClientSampleId :

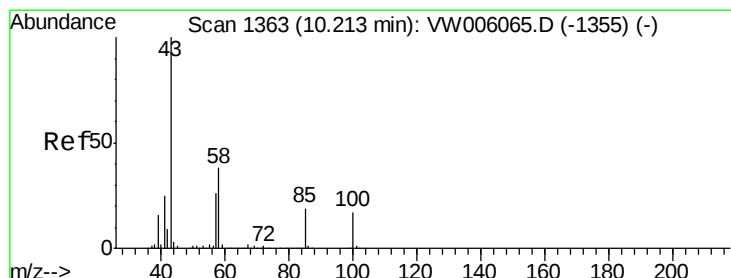
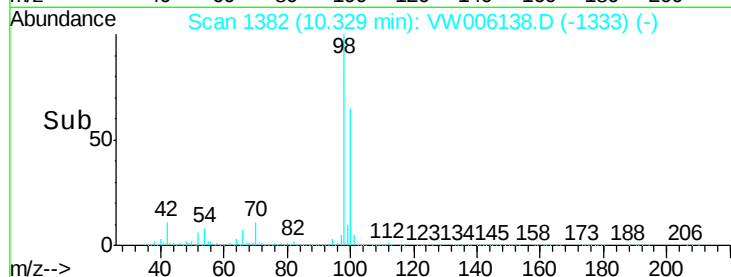
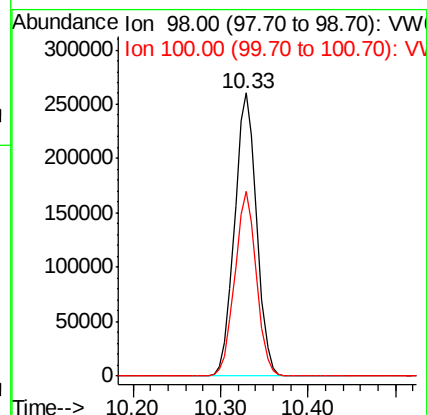
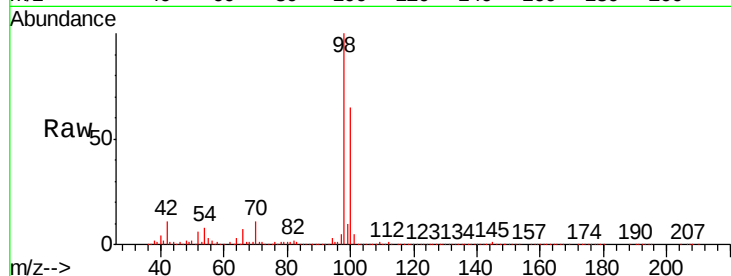
AOC2-02A

Tgt Ion: 98 Resp: 457355

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 2.28 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW006138.D

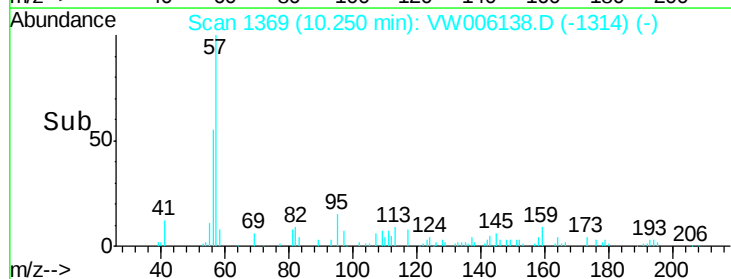
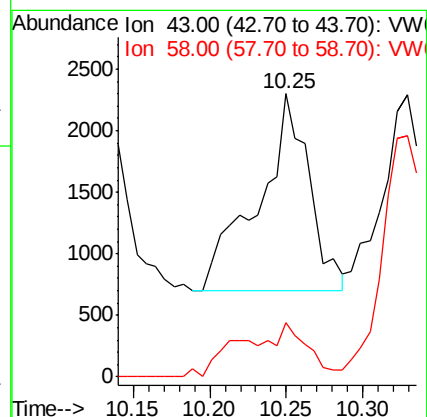
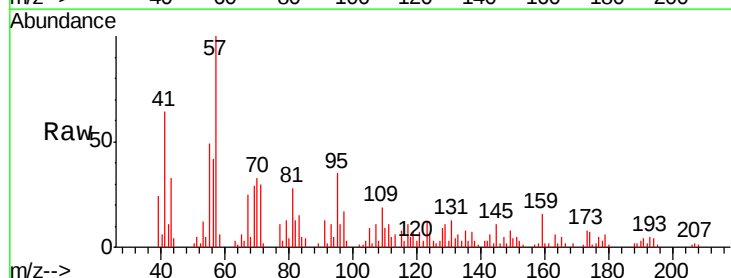
Acq: 17 Oct 2018 20:19

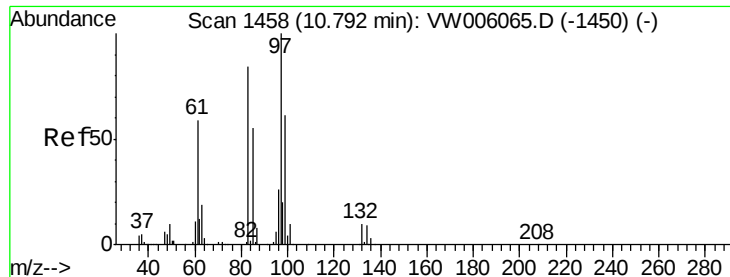
Tgt Ion: 43 Resp: 3723

Ion Ratio Lower Upper

43 100

58 14.2 31.5 47.3#

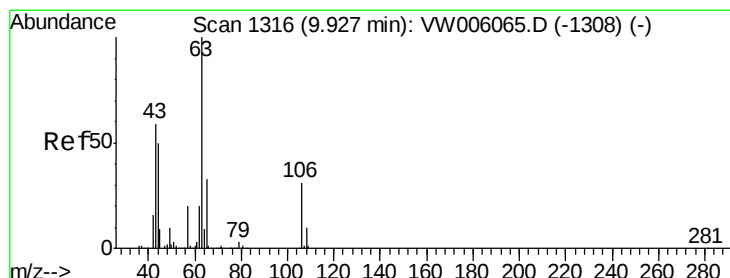
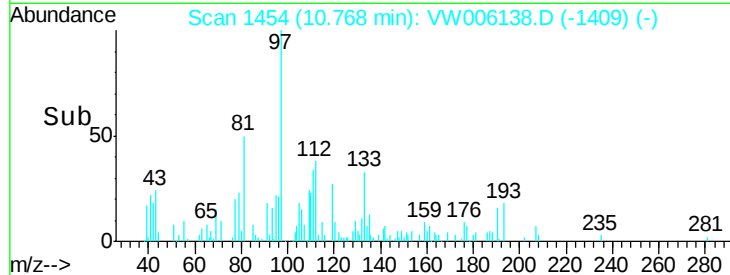
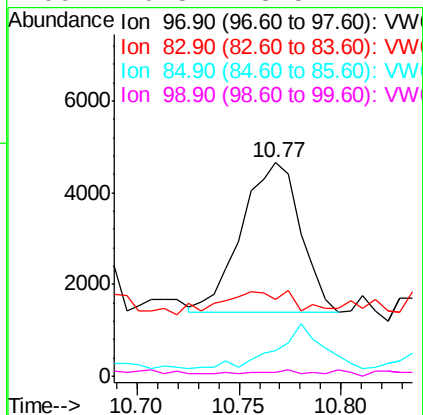
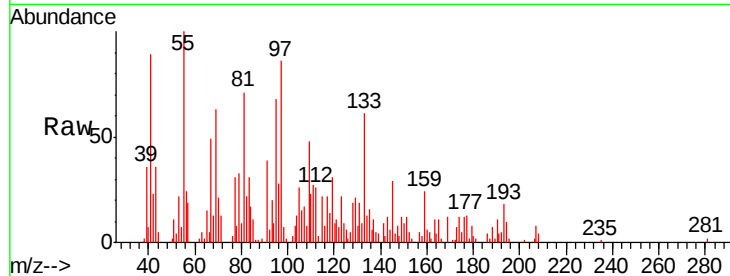




#55
 1,1,2-Trichloroethane
 Concen: 2.91 ug/l
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW006138.D
 Acq: 17 Oct 2018 20:19

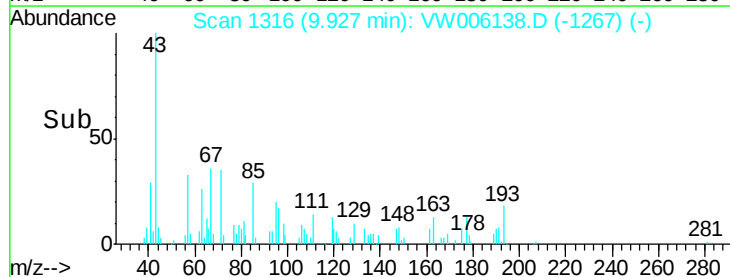
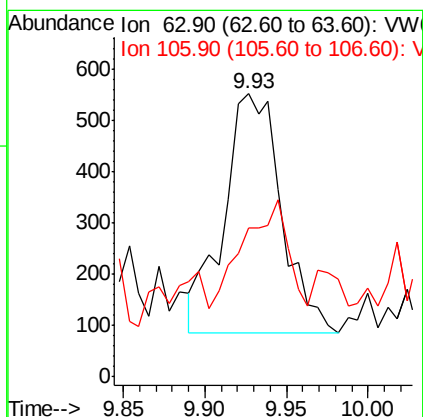
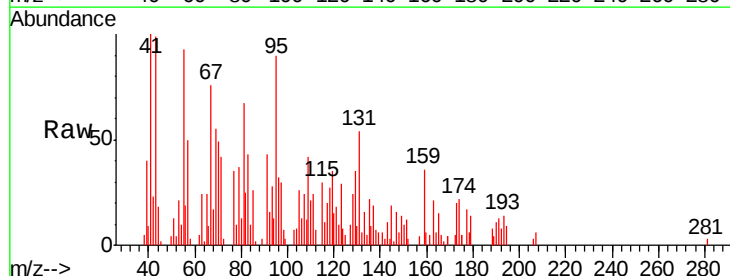
Instrument :
 MSVOA_W
 ClientSampled :
 AOC2-02A

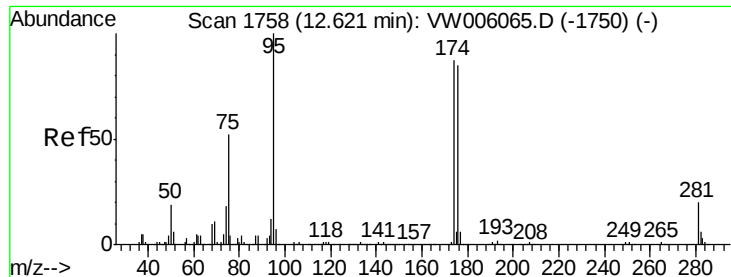
Tgt Ion: 97 Resp: 6526
 Ion Ratio Lower Upper
 97 100
 83 5.9 67.2 100.8#
 85 12.3 43.7 65.5#
 99 0.8 48.5 72.7#



#58
 2-Chloroethyl Vinyl ether
 Concen: 1.08 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006138.D
 Acq: 17 Oct 2018 20:19

Tgt Ion: 63 Resp: 1139
 Ion Ratio Lower Upper
 63 100
 106 39.9 24.5 36.7#

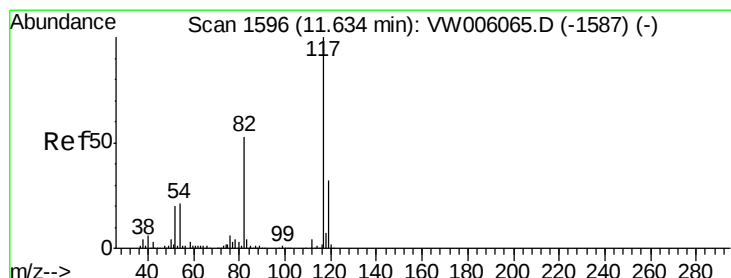
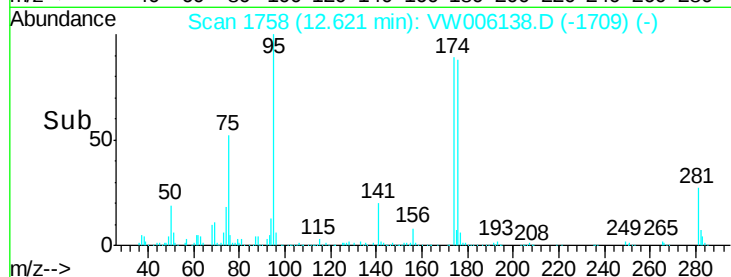
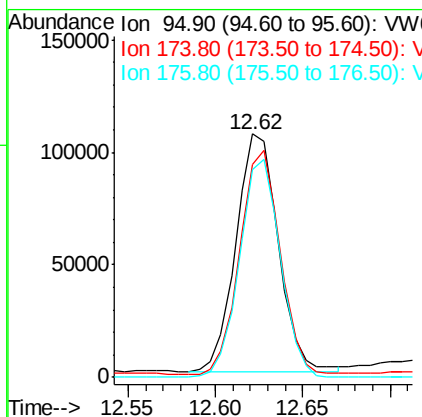
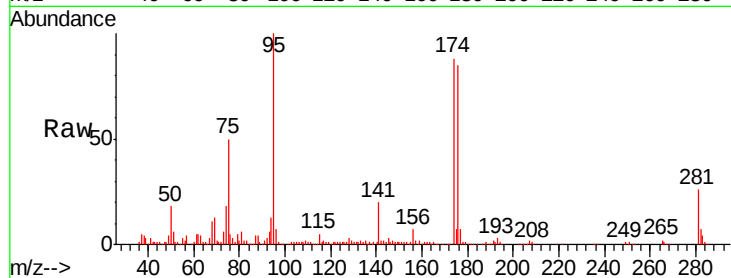




#62
4-Bromofluorobenzene
Concen: 45.14 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006138.D
Acq: 17 Oct 2018 20:19

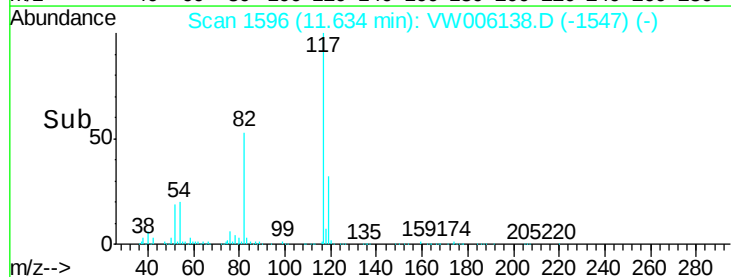
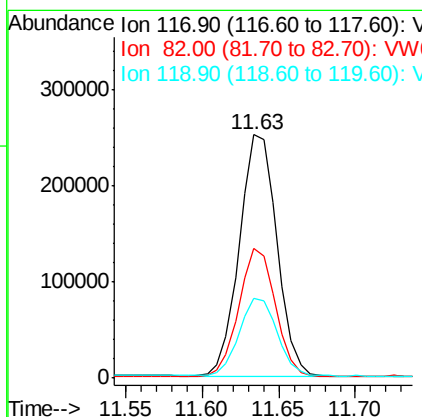
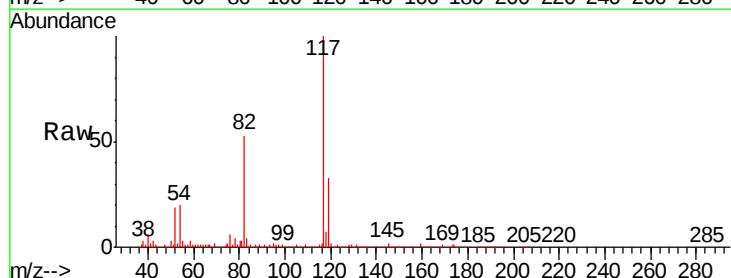
Instrument :
MSVOA_W
ClientSampleId :
AOC2-02A

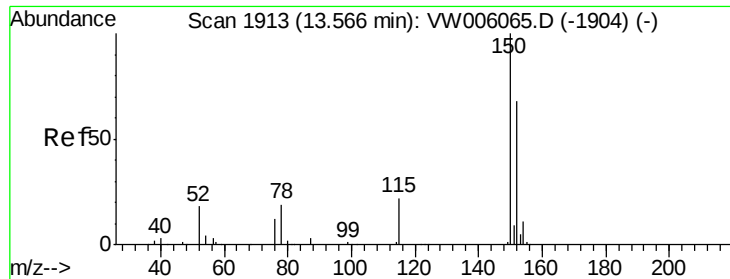
Tgt Ion: 95 Resp: 177063
Ion Ratio Lower Upper
95 100
174 90.3 0.0 186.0
176 89.2 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006138.D
Acq: 17 Oct 2018 20:19

Tgt Ion: 117 Resp: 429322
Ion Ratio Lower Upper
117 100
82 53.1 42.1 63.1
119 32.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006138.D

Acq: 17 Oct 2018 20:19

Instrument :

MSVOA_W

ClientSampleId :

AOC2-02A

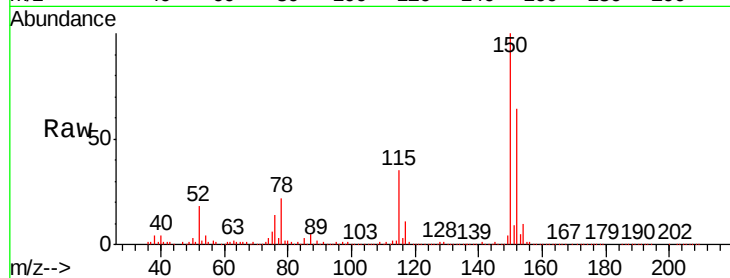
Tgt Ion:152 Resp: 227918

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.3

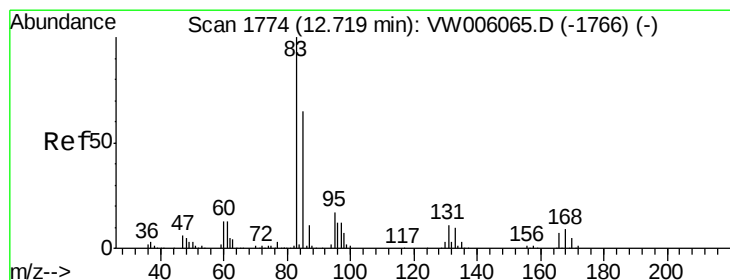
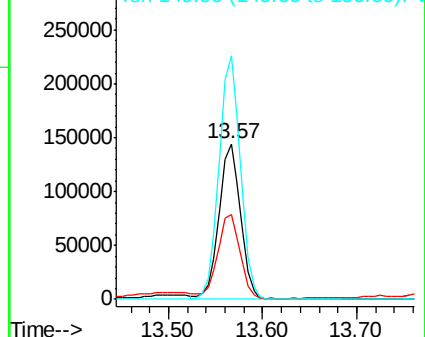
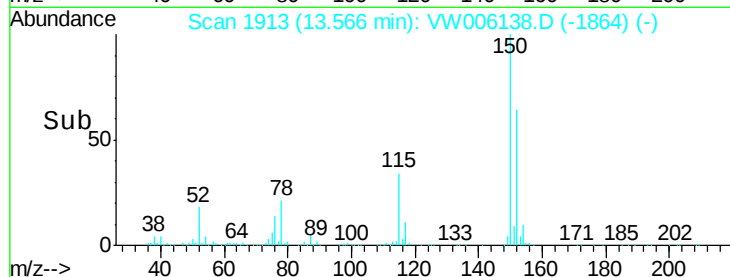
150 155.8 0.0 349.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 14.96 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW006138.D

Acq: 17 Oct 2018 20:19

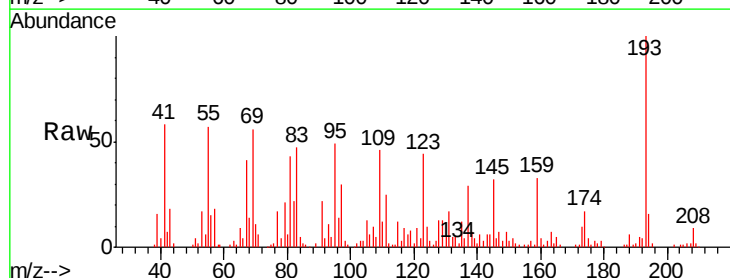
Tgt Ion: 83 Resp: 36636

Ion Ratio Lower Upper

83 100

131 23.2 5.9 17.7#

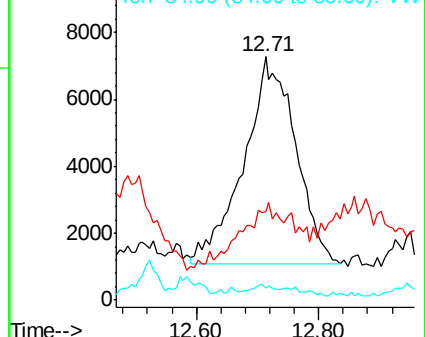
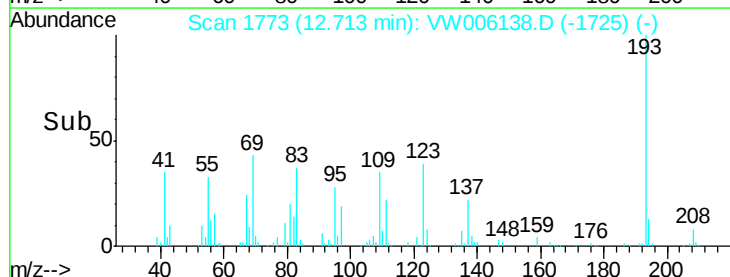
85 1.4 31.9 95.9#

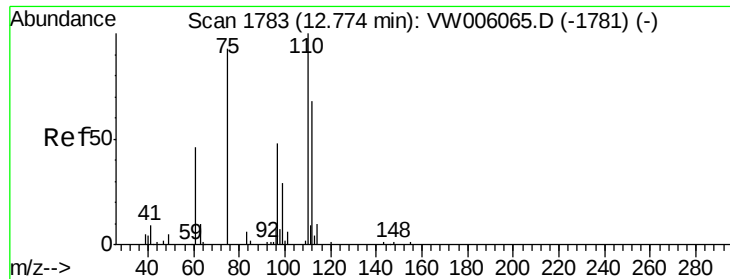


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

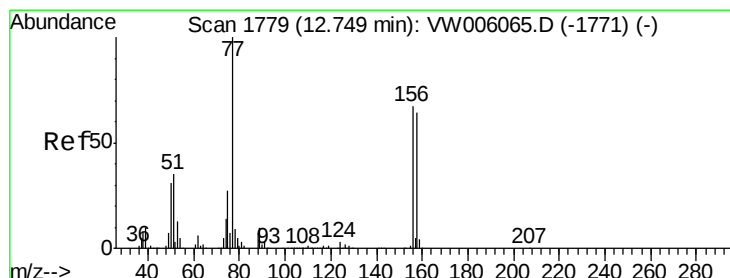
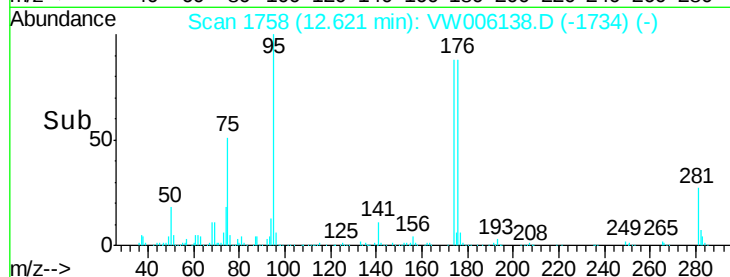
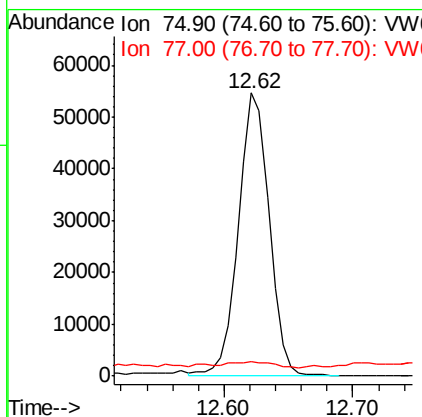
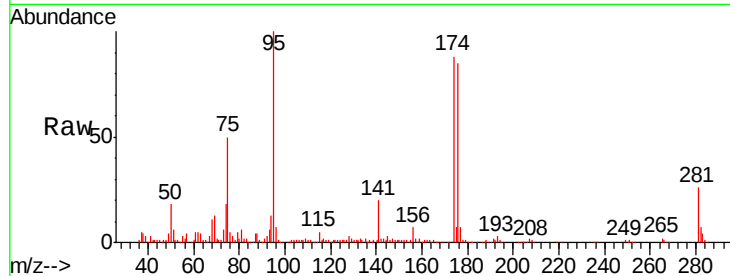




#76
 1,2,3-Trichloropropane
 Concen: 51.49 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006138.D
 Acq: 17 Oct 2018 20:19

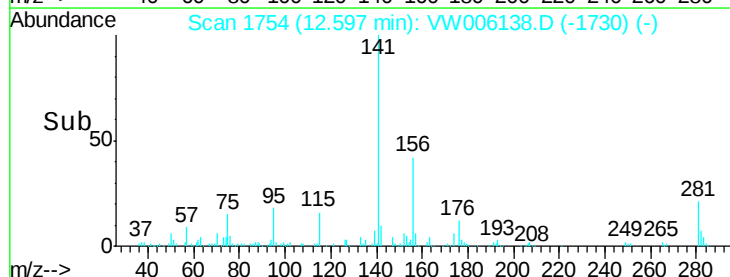
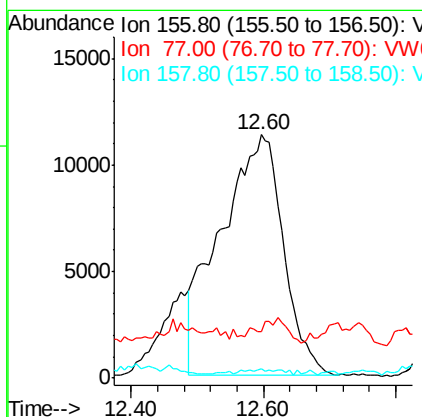
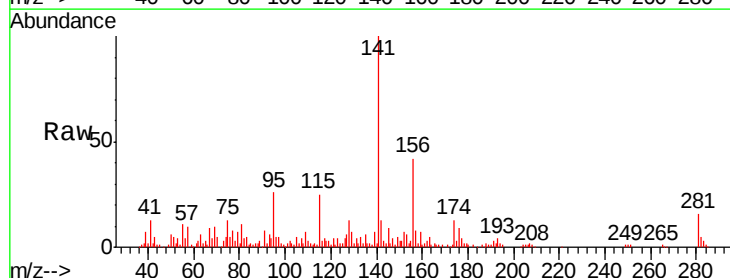
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC2-02A

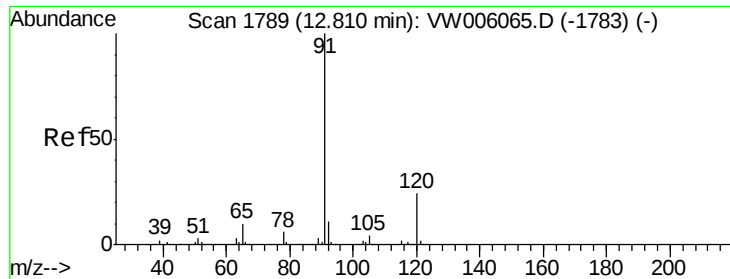
Tgt Ion: 75 Resp: 89641
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 18.98 ug/l
 RT: 12.60 min Scan# 1754
 Delta R.T. -0.15 min
 Lab File: VW006138.D
 Acq: 17 Oct 2018 20:19

Tgt Ion: 156 Resp: 74866
 Ion Ratio Lower Upper
 156 100
 77 0.0 79.1 237.4#
 158 0.0 48.5 145.6#





#78

n-propylbenzene

Concen: 1.62 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006138.D

Acq: 17 Oct 2018 20:19

Instrument :

MSVOA_W

ClientSampleId :

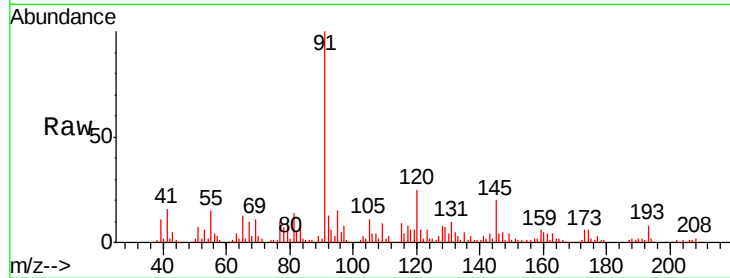
AOC2-02A

Tgt Ion: 91 Resp: 30424

Ion Ratio Lower Upper

91 100

120 26.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.81

25000

20000

15000

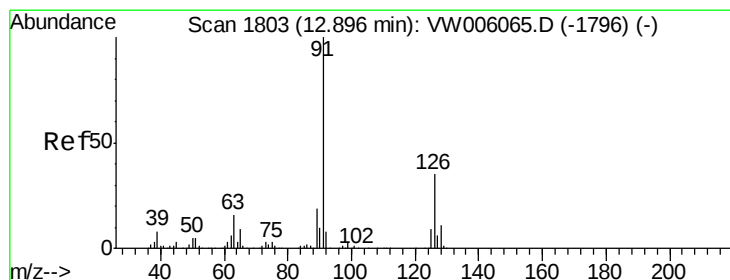
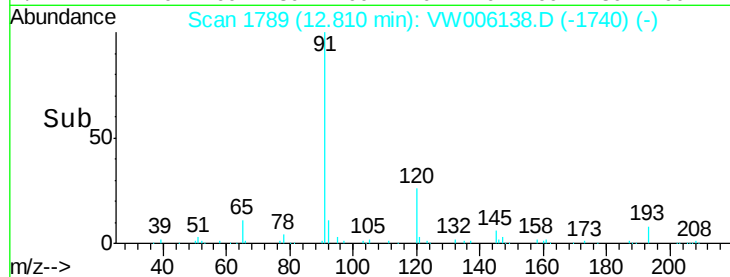
10000

5000

0

Time-->

12.75 12.80 12.85



#79

2-Chlorotoluene

Concen: 2.89 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.09 min

Lab File: VW006138.D

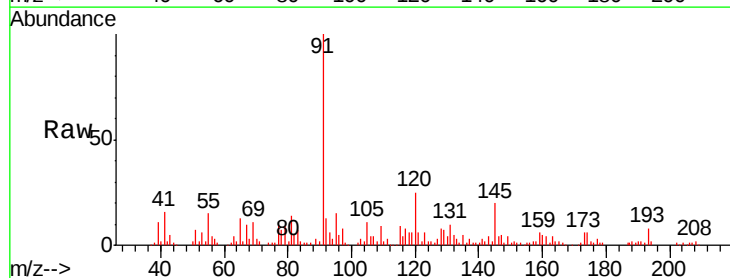
Acq: 17 Oct 2018 20:19

Tgt Ion: 91 Resp: 30424

Ion Ratio Lower Upper

91 100

126 0.4 17.9 53.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.81

25000

20000

15000

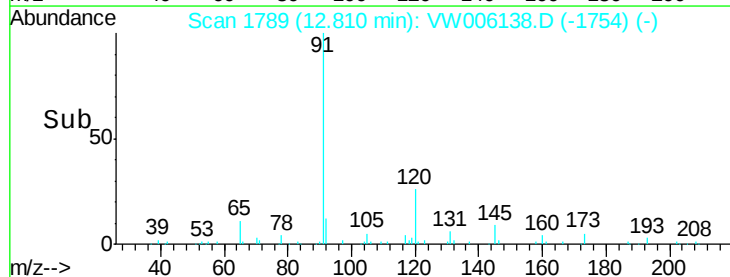
10000

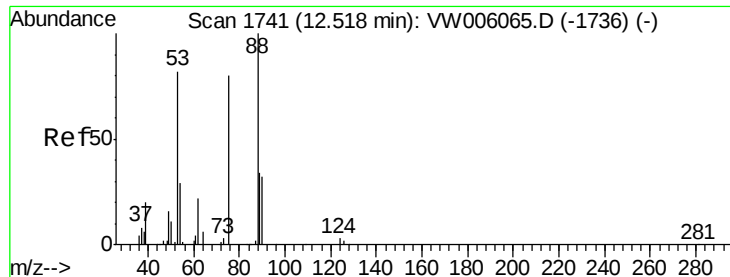
5000

0

Time-->

12.75 12.80 12.85

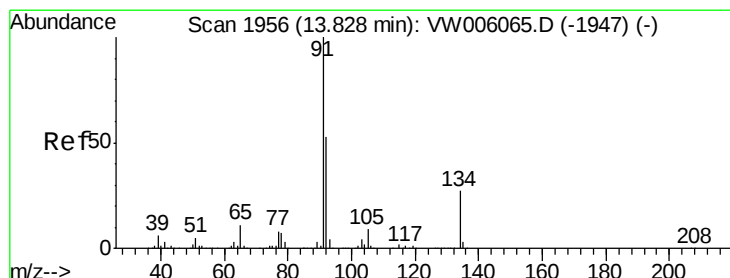
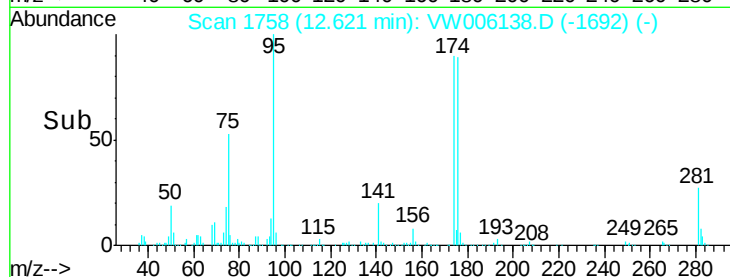
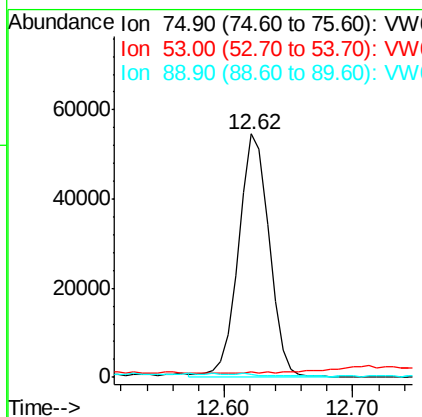
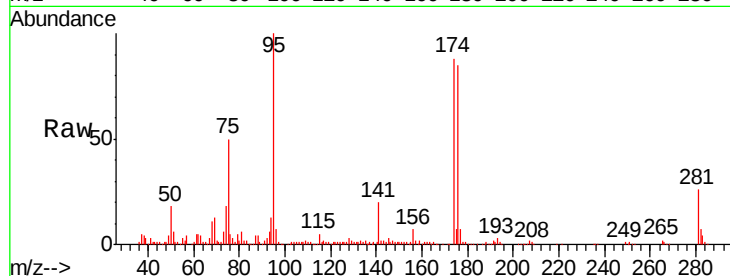




#81
trans-1,4-Dichloro-2-butene
Concen: 123.09 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW006138.D
Acq: 17 Oct 2018 20:19

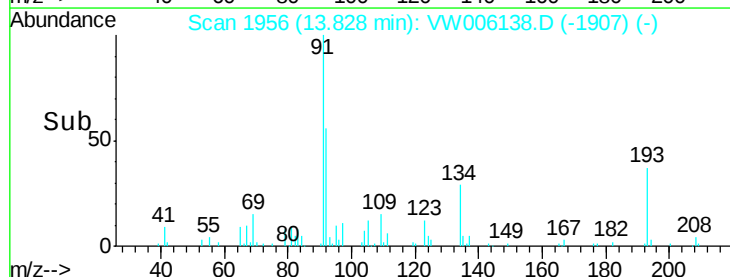
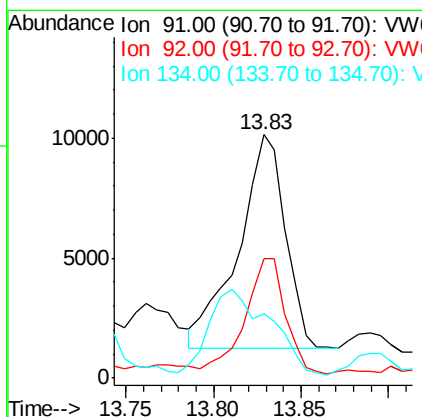
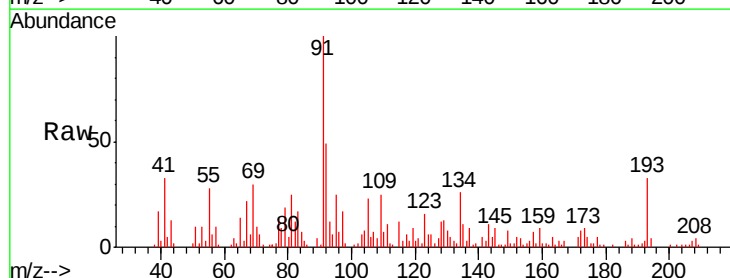
Instrument :
MSVOA_W
ClientSampleId :
AOC2-02A

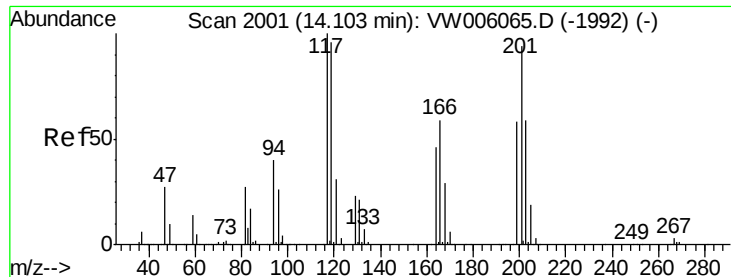
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	79.8	119.6#
89	0.0	37.5	56.3#



#89
n-Butylbenzene
Concen: 1.17 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006138.D
Acq: 17 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	46.8	26.6	79.7
134	52.3	14.0	41.9#





#90

Hexachloroethane

Concen: 2.69 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW006138.D

Acq: 17 Oct 2018 20:19

Instrument :

MSVOA_W

ClientSampleId :

AOC2-02A

Tgt Ion:117 Resp: 7058

Ion Ratio Lower Upper

117 100

201 0.3 45.3 135.9#

