

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101018\
 Data File : VW005988.D
 Acq On : 10 Oct 2018 15:11
 Operator : SY/AP
 Sample : J5306-03RE
 Misc : 6.39G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-23-V

Quant Time: Oct 10 16:50:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	180166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	267049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	237618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	116188	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	98336	56.22	ug/l	0.00
Spiked Amount			Recovery	=	112.44%	
35) Dibromofluoromethane	7.88	113	93551	54.87	ug/l	0.00
Spiked Amount			Recovery	=	109.74%	
50) Toluene-d8	10.33	98	340632	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.62	95	118529	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	

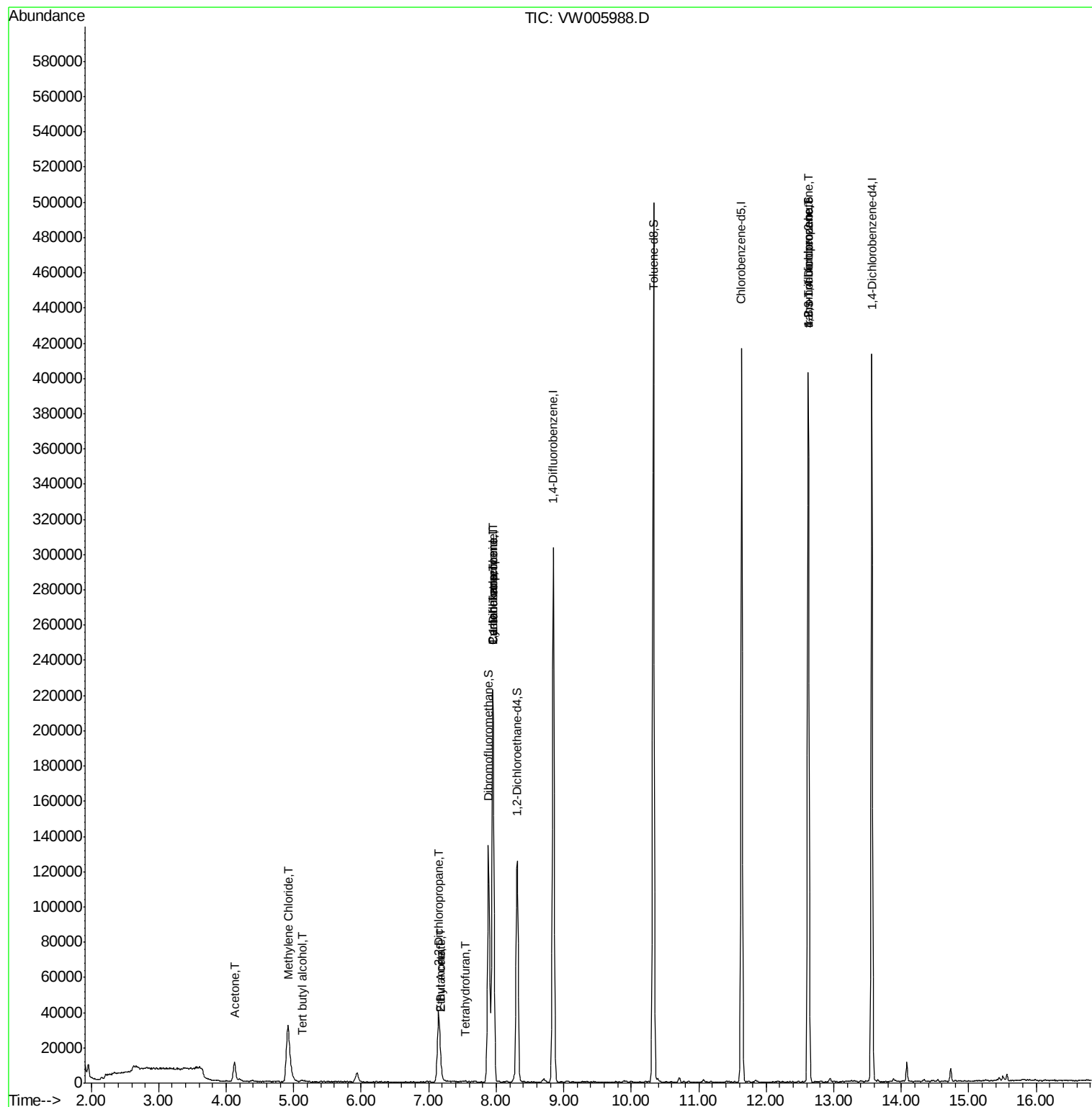
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	885	6.90	ug/l #	74
16) Acetone	4.12	43	18679	53.47	ug/l	98
20) Methylene Chloride	4.92	84	30988	17.70	ug/l	97
25) 2-Butanone	7.18	43	6354	12.79	ug/l	99
26) 2,2-Dichloropropane	7.14	77	2945	1.35	ug/l #	52
29) Tetrahydrofuran	7.55	42	394	1.25	ug/l #	50
31) Cyclohexane	7.95	56	3526	1.15	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	12244	4.78	ug/l #	50
37) Ethyl Acetate	7.18	43	6354	5.86	ug/l #	69
38) Carbon Tetrachloride	7.95	117	16803	6.11	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	60008	57.82	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60008	122.06	ug/l #	11

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

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Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 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: VW005988.D

Acq: 10 Oct 2018 15:11

Instrument :

MSVOA_W

ClientSampled :

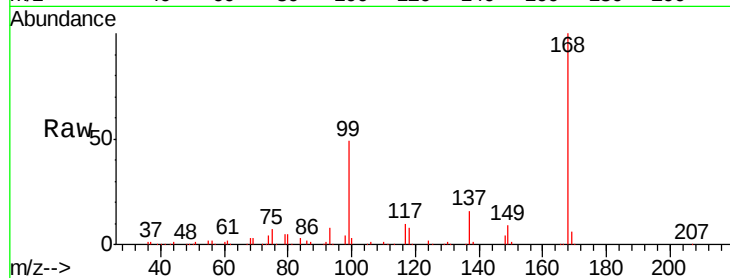
S-23-V

Tgt Ion:168 Resp: 180166

Ion Ratio Lower Upper

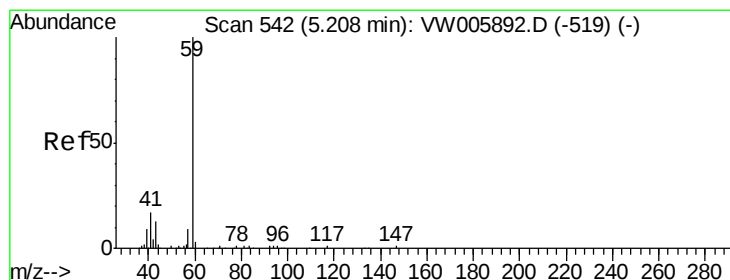
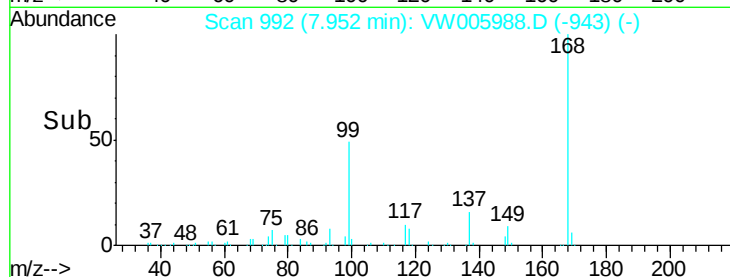
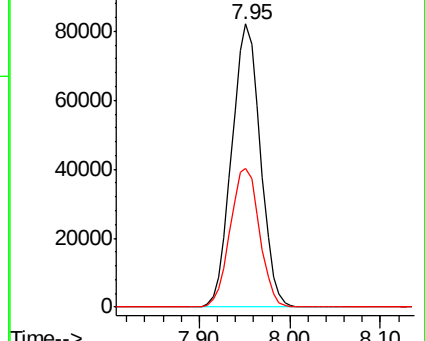
168 100

99 48.9 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 6.90 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.08 min

Lab File: VW005988.D

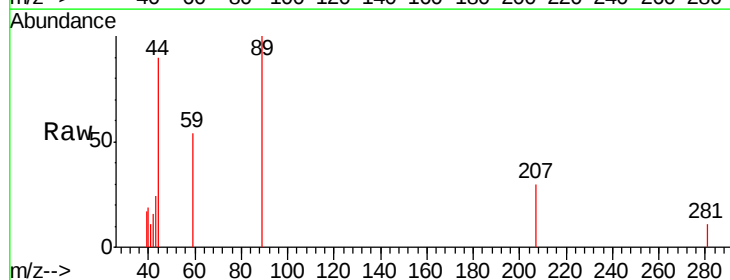
Acq: 10 Oct 2018 15:11

Tgt Ion: 59 Resp: 885

Ion Ratio Lower Upper

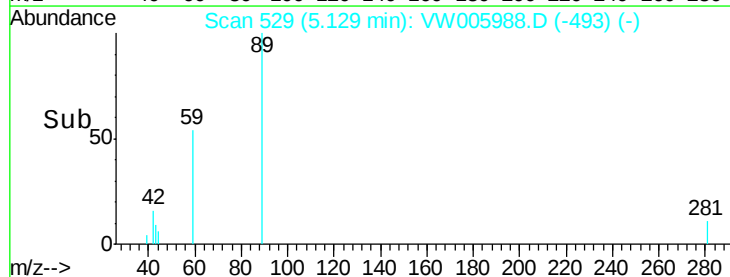
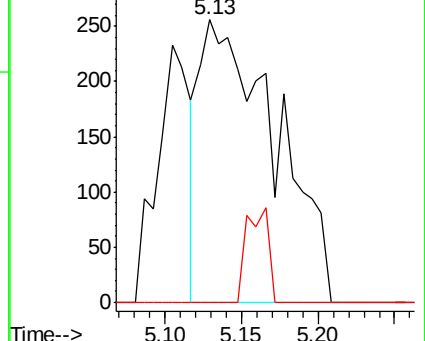
59 100

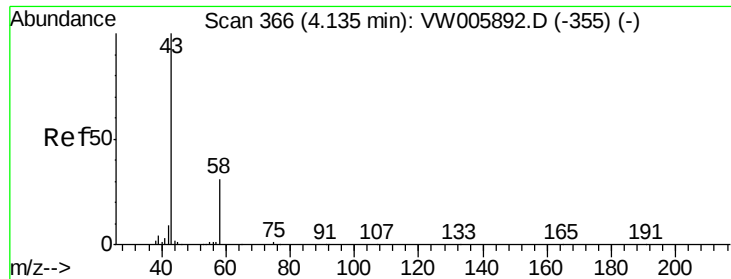
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 53.47 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005988.D

Acq: 10 Oct 2018 15:11

Instrument :

MSVOA_W

ClientSampled :

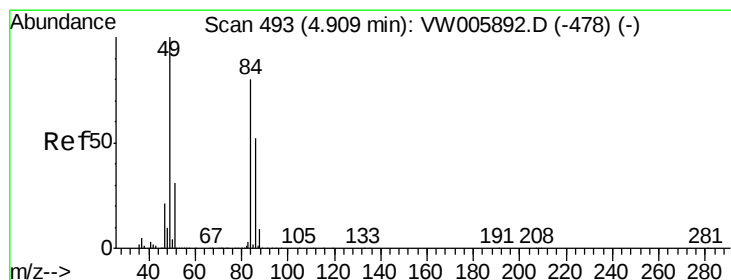
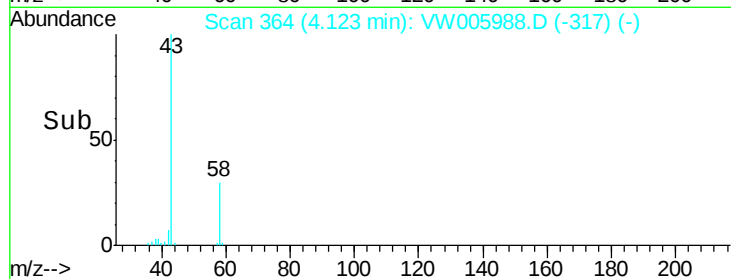
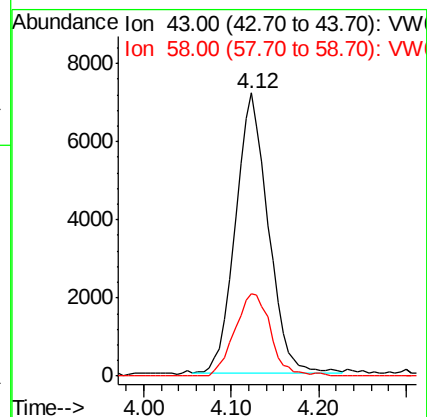
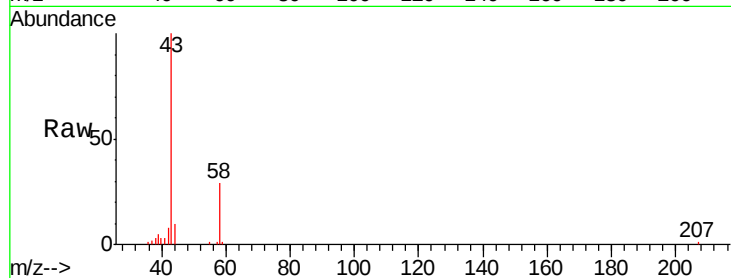
S-23-V

Tgt Ion: 43 Resp: 18679

Ion Ratio Lower Upper

43 100

58 29.6 24.7 37.1



#20

Methylene Chloride

Concen: 17.70 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW005988.D

Acq: 10 Oct 2018 15:11

Tgt Ion: 84 Resp: 30988

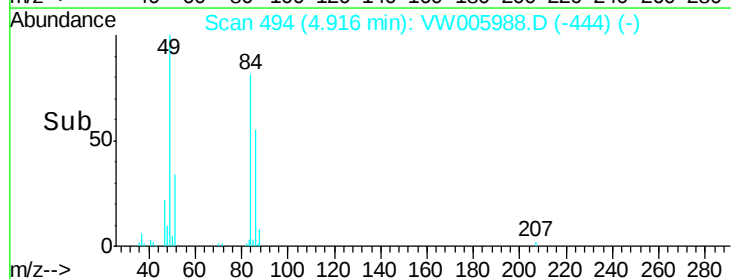
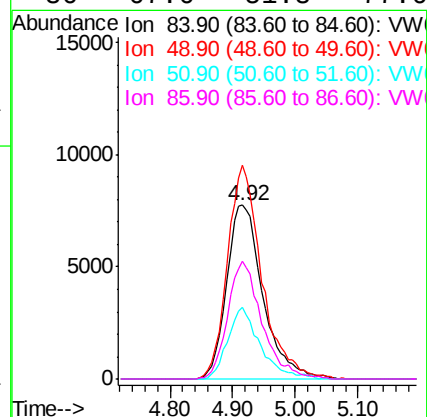
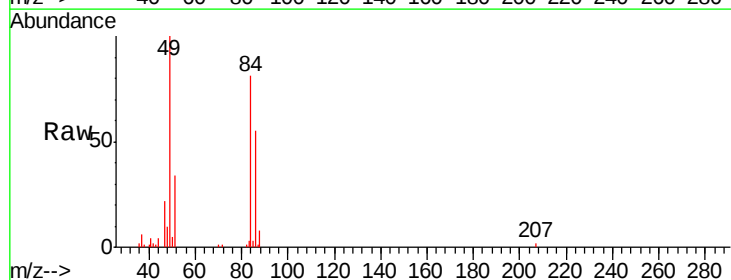
Ion Ratio Lower Upper

84 100

49 122.8 99.9 149.9

51 41.6 31.1 46.7

86 67.6 51.8 77.6





#25

2-Butanone

Concen: 12.79 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005988.D

Acq: 10 Oct 2018 15:11

Instrument :

MSVOA_W

ClientSampleId :

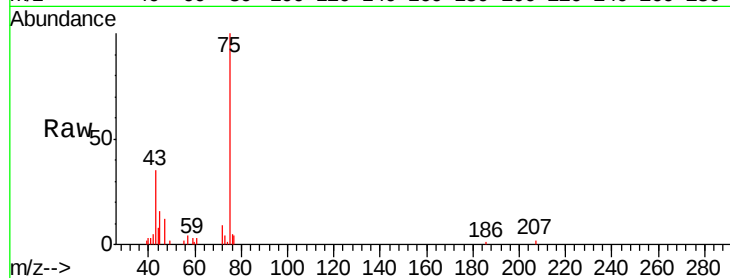
S-23-V

Tgt Ion: 43 Resp: 6354

Ion Ratio Lower Upper

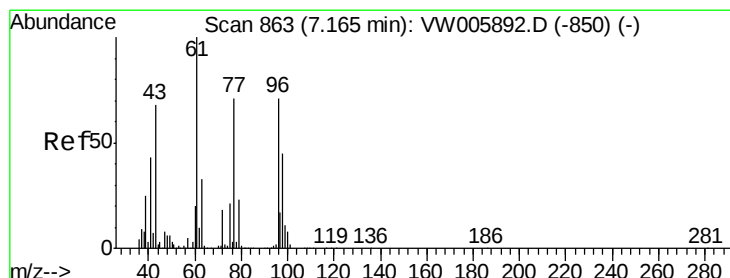
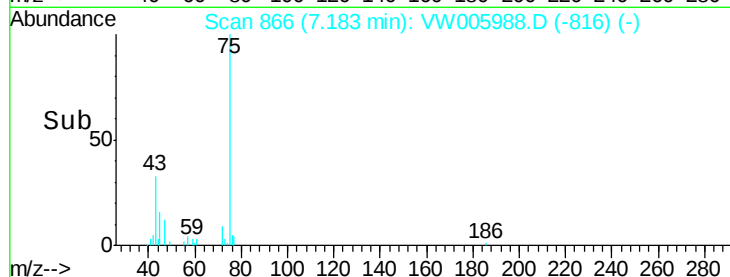
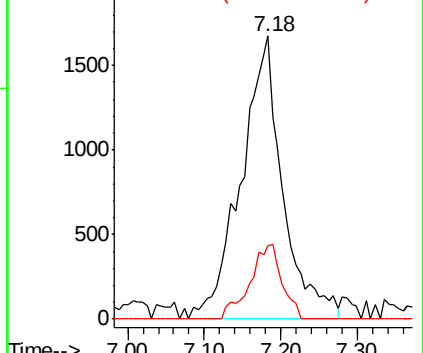
43 100

72 25.9 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.35 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW005988.D

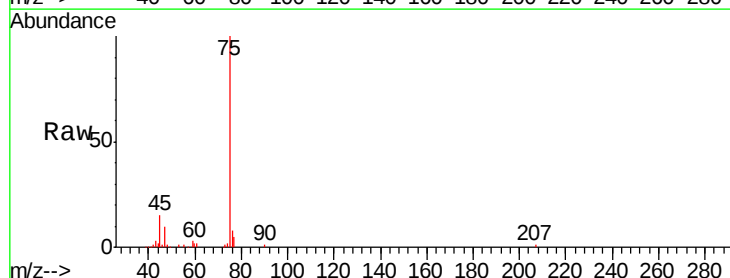
Acq: 10 Oct 2018 15:11

Tgt Ion: 77 Resp: 2945

Ion Ratio Lower Upper

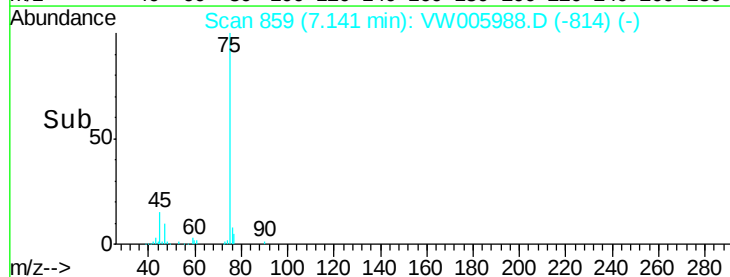
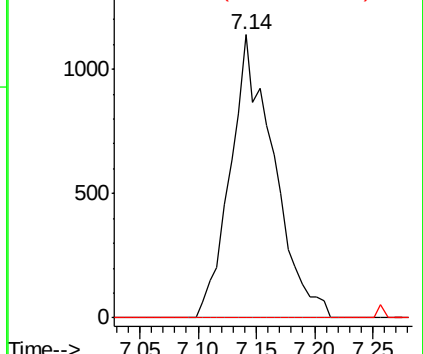
77 100

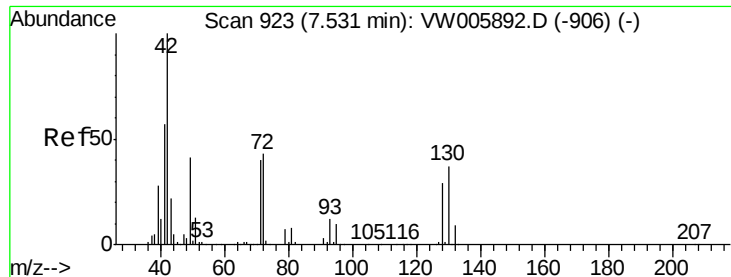
97 0.0 11.9 35.7#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

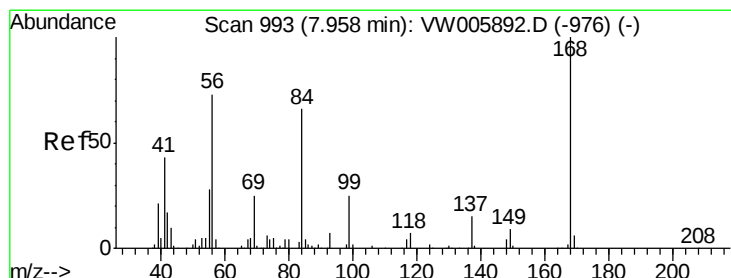
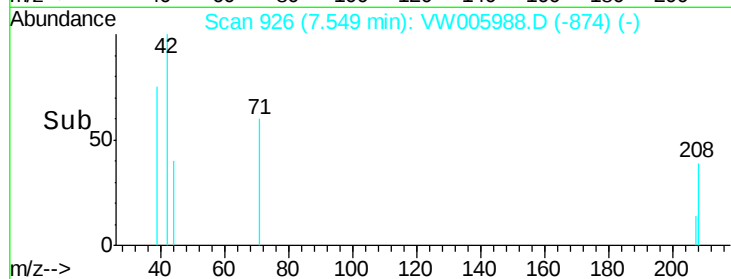
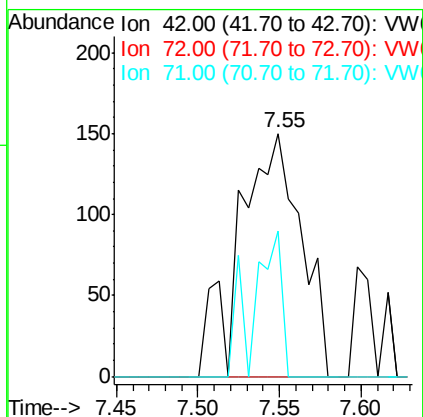
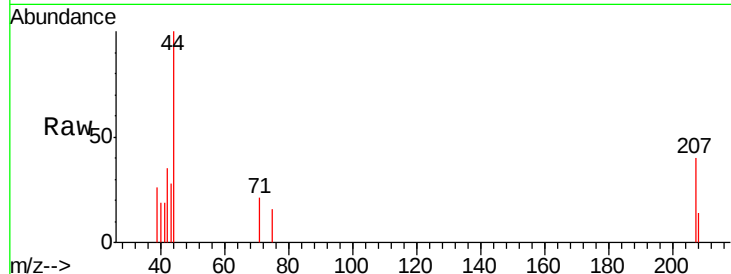




#29
Tetrahydrofuran
Concen: 1.25 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW005988.D
Acq: 10 Oct 2018 15:11

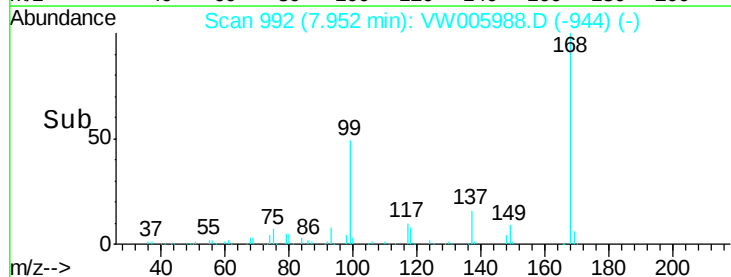
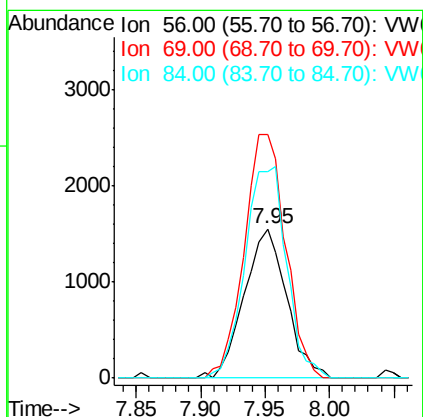
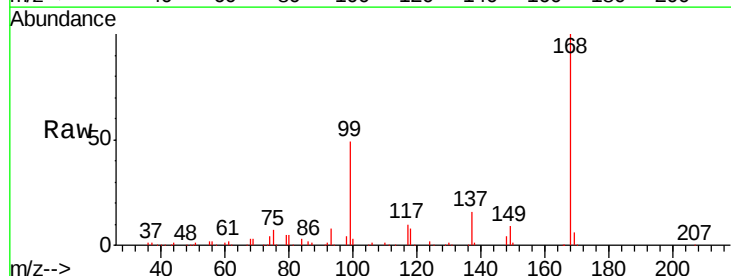
Instrument :
MSVOA_W
ClientSampled :
S-23-V

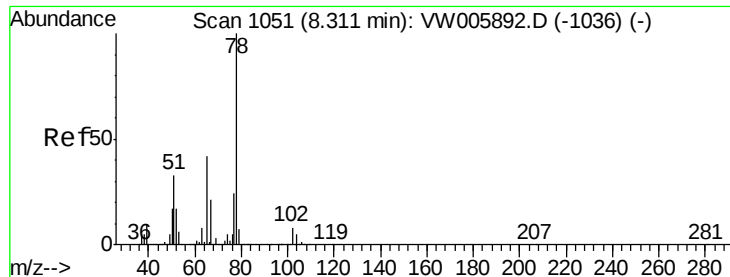
Tgt Ion: 42 Resp: 394
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 21.1 32.6 49.0#



#31
Cyclohexane
Concen: 1.15 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005988.D
Acq: 10 Oct 2018 15:11

Tgt Ion: 56 Resp: 3526
Ion Ratio Lower Upper
56 100
69 162.8 27.9 41.9#
84 138.6 72.3 108.5#

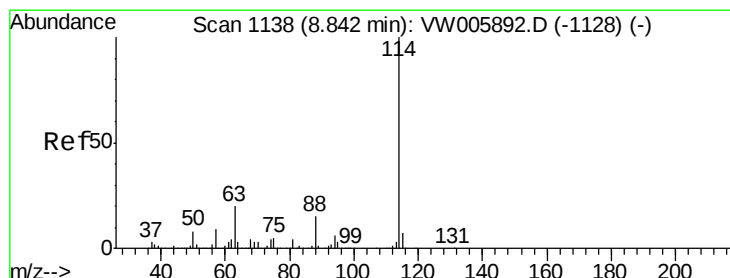
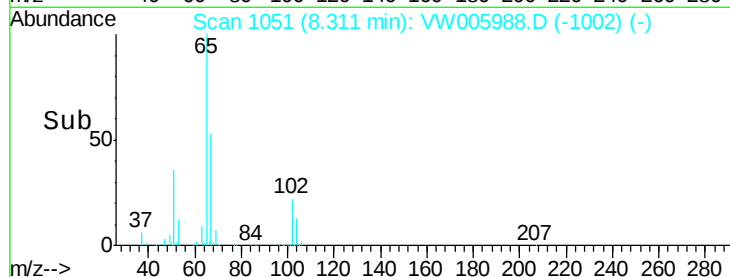
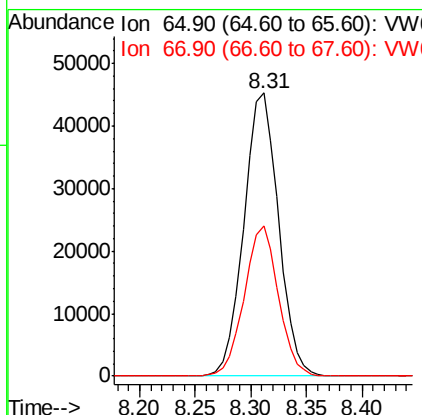
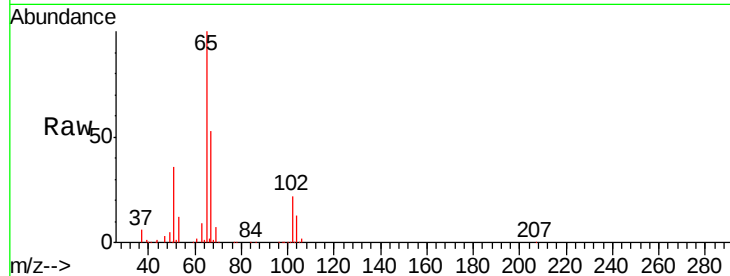




#33
 1,2-Dichloroethane-d4
 Concen: 56.22 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005988.D
 Acq: 10 Oct 2018 15:11

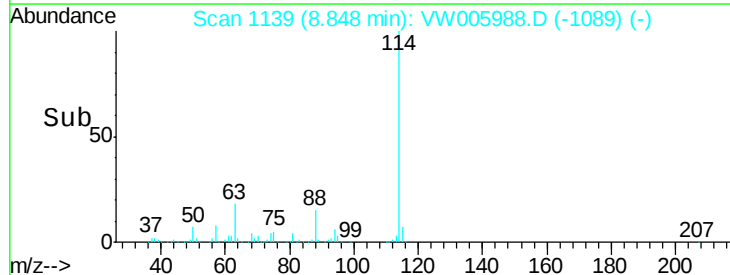
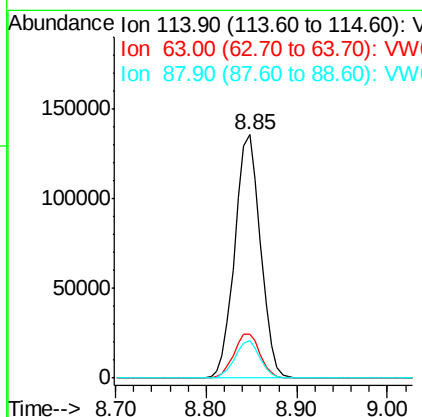
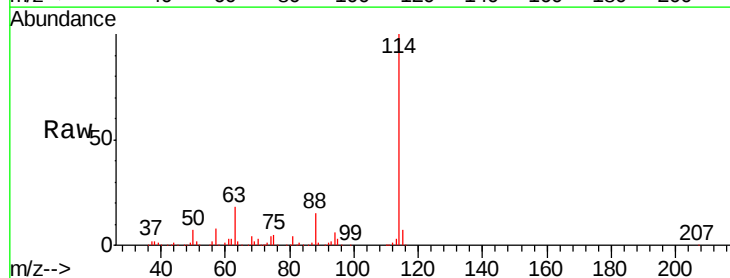
Instrument :
 MSVOA_W
 ClientSampled :
 S-23-V

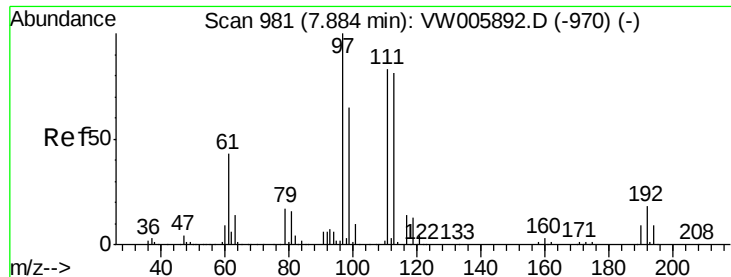
Tgt Ion: 65 Resp: 98336
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW005988.D
 Acq: 10 Oct 2018 15:11

Tgt Ion: 114 Resp: 267049
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 39.2
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 54.87 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW005988.D

Acq: 10 Oct 2018 15:11

Instrument :

MSVOA_W

ClientSampled :

S-23-V

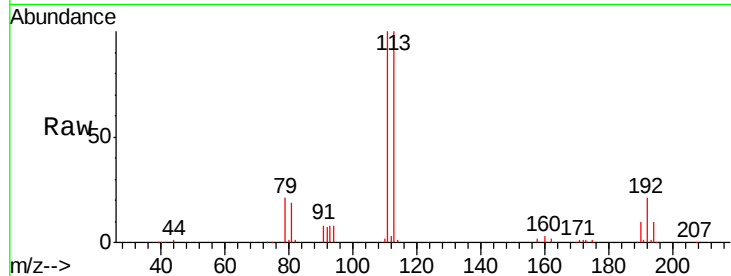
Tgt Ion:113 Resp: 93551

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

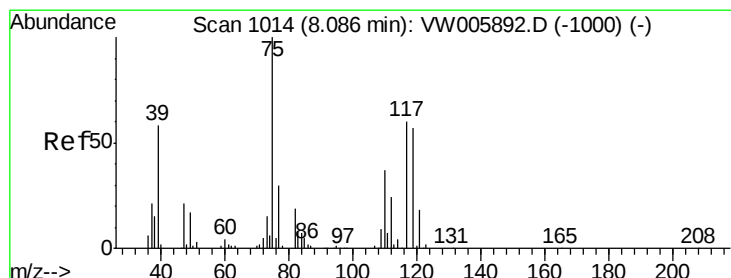
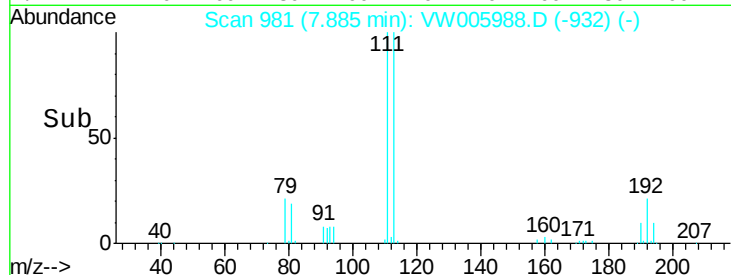
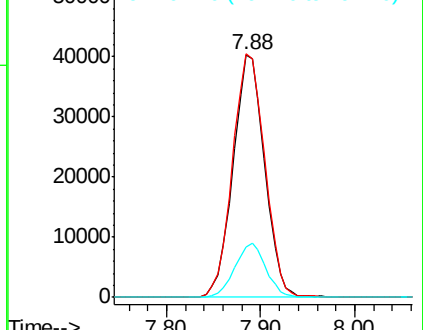
192 21.9 18.3 27.5



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: 4.78 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005988.D

Acq: 10 Oct 2018 15:11

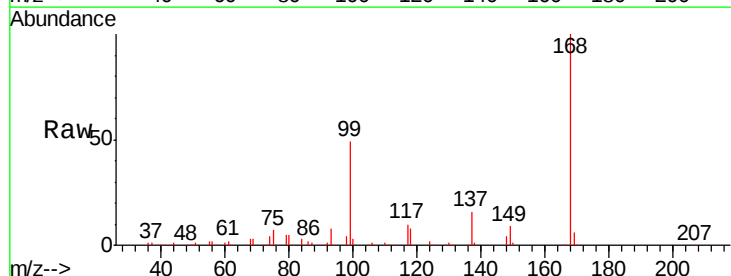
Tgt Ion: 75 Resp: 12244

Ion Ratio Lower Upper

75 100

110 10.1 18.6 56.0#

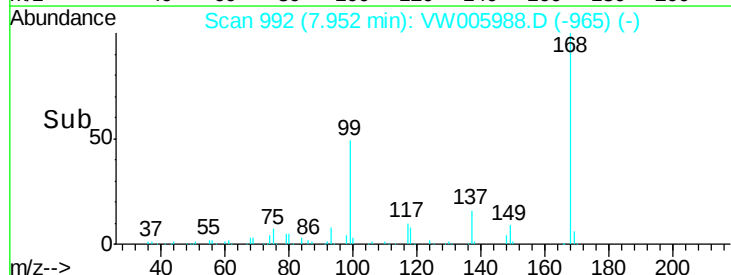
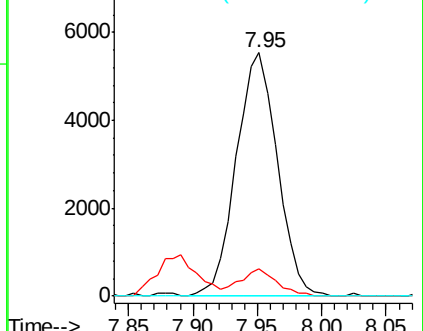
77 0.0 24.7 37.1#

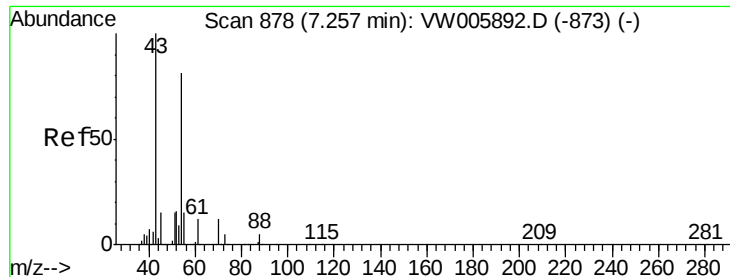


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 5.86 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW005988.D

Acq: 10 Oct 2018 15:11

Instrument :

MSVOA_W

ClientSampleId :

S-23-V

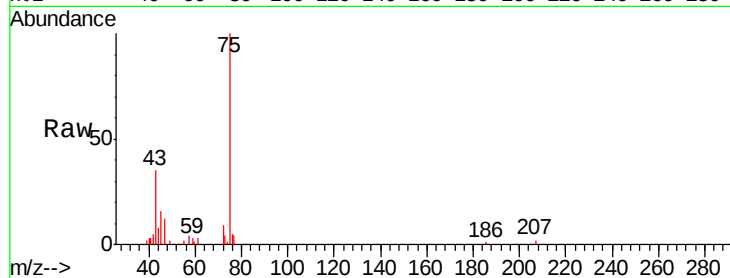
Tgt Ion: 43 Resp: 6354

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

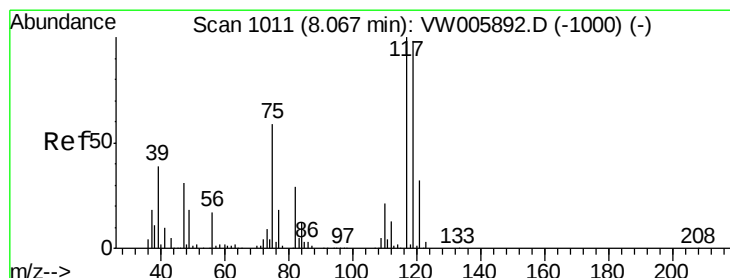
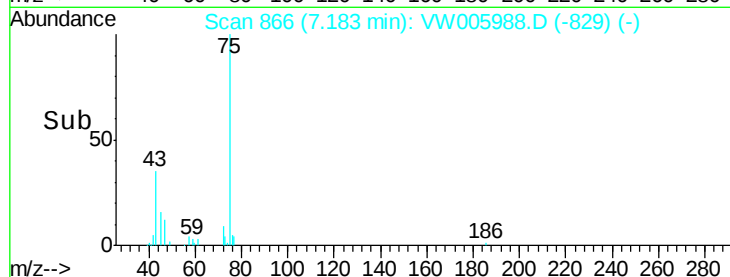
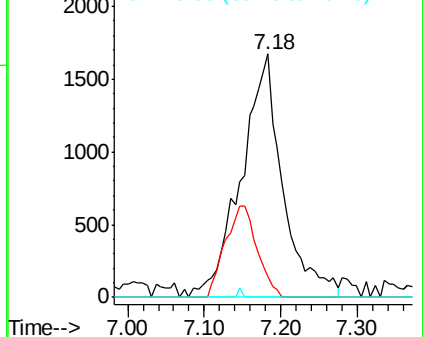
70 0.0 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.11 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005988.D

Acq: 10 Oct 2018 15:11

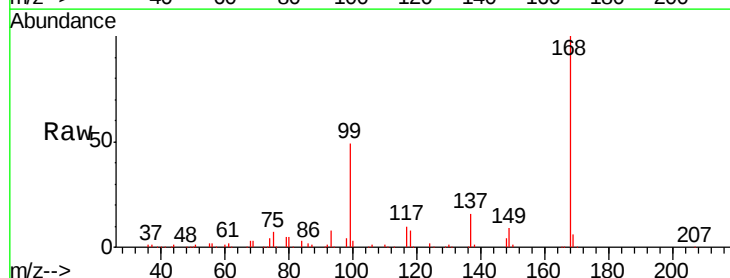
Tgt Ion: 117 Resp: 16803

Ion Ratio Lower Upper

117 100

119 4.5 78.6 117.8#

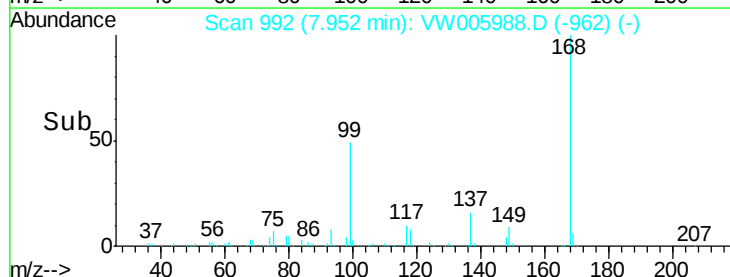
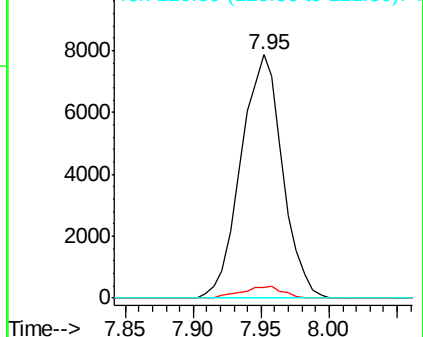
121 0.0 25.3 37.9#

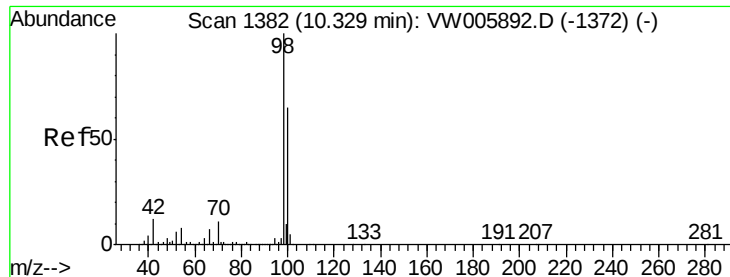


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.93 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005988.D

Acq: 10 Oct 2018 15:11

Instrument :

MSVOA_W

ClientSampleId :

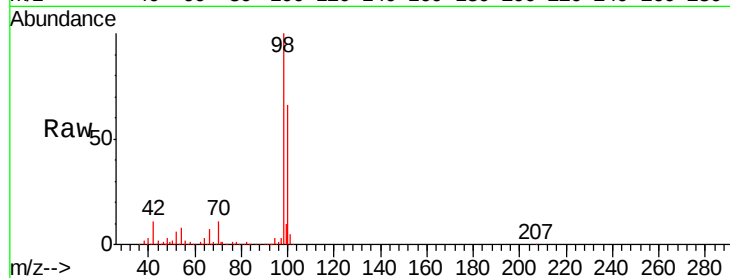
S-23-V

Tgt Ion: 98 Resp: 340632

Ion Ratio Lower Upper

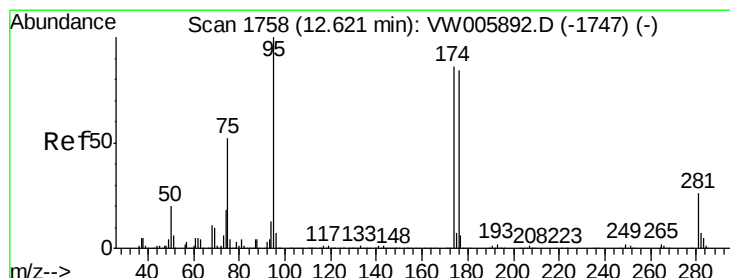
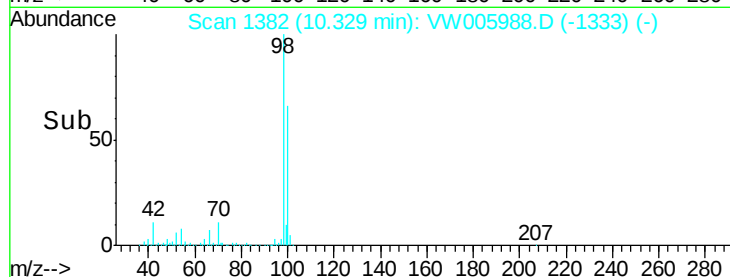
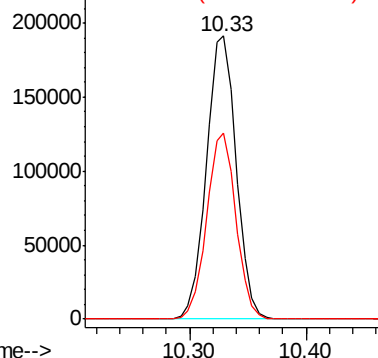
98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 47.49 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005988.D

Acq: 10 Oct 2018 15:11

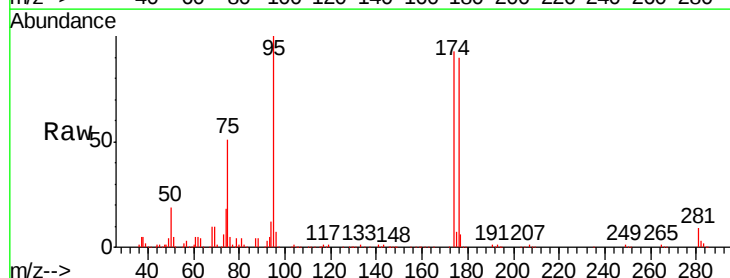
Tgt Ion: 95 Resp: 118529

Ion Ratio Lower Upper

95 100

174 92.9 0.0 176.4

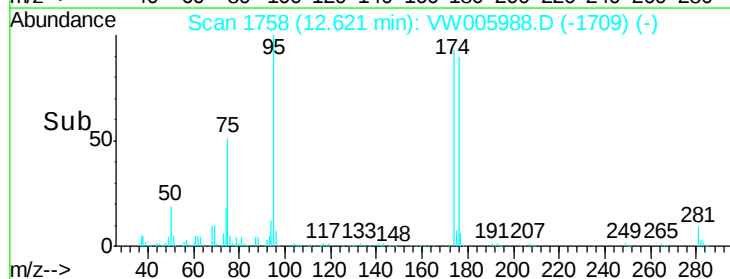
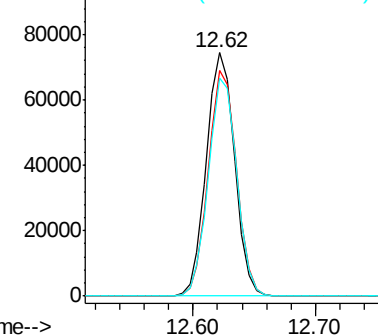
176 90.3 0.0 173.0

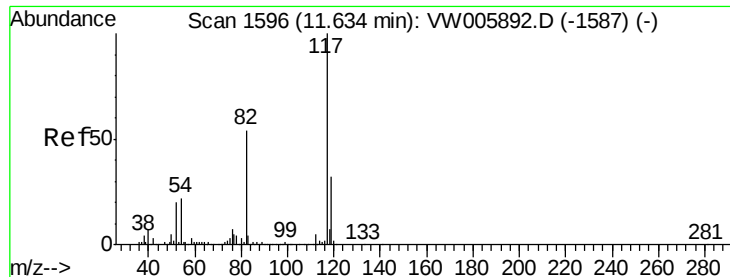


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

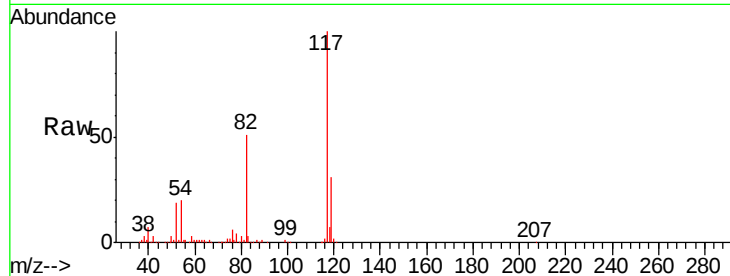




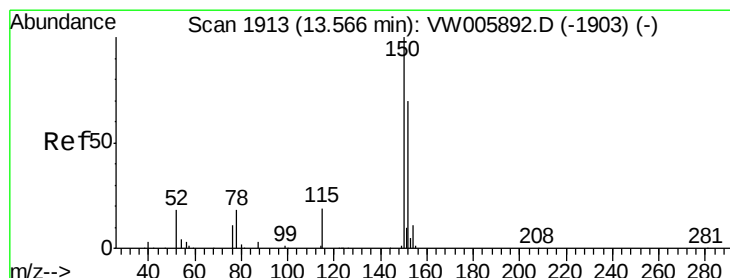
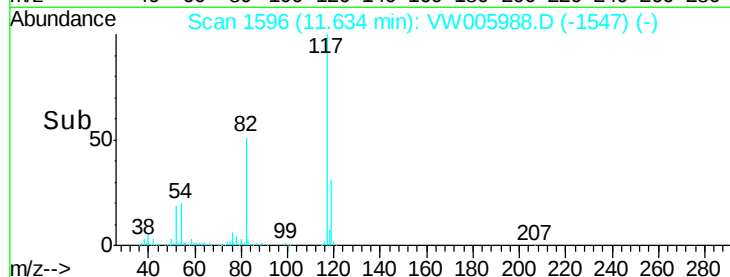
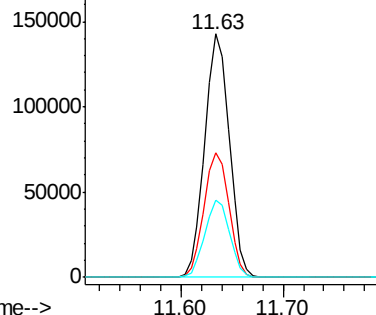
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005988.D
Acq: 10 Oct 2018 15:11

Instrument :
MSVOA_W
ClientSampled :
S-23-V

Tgt Ion:117 Resp: 237618
Ion Ratio Lower Upper
117 100
82 51.1 43.5 65.3
119 31.5 25.4 38.2

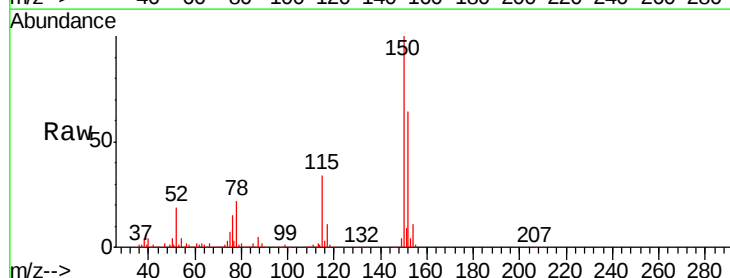


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

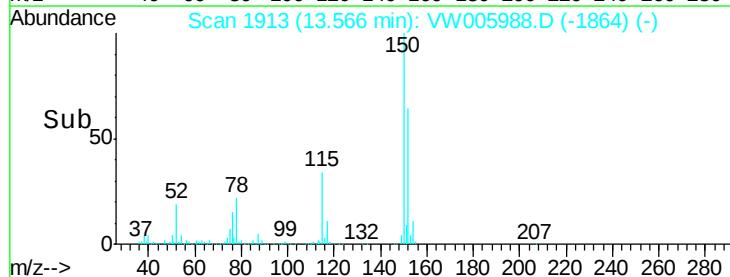
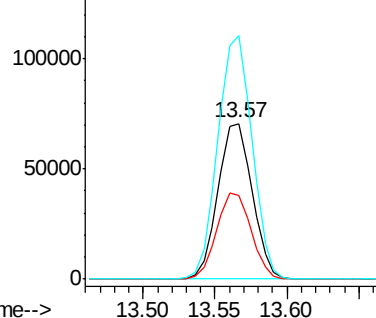


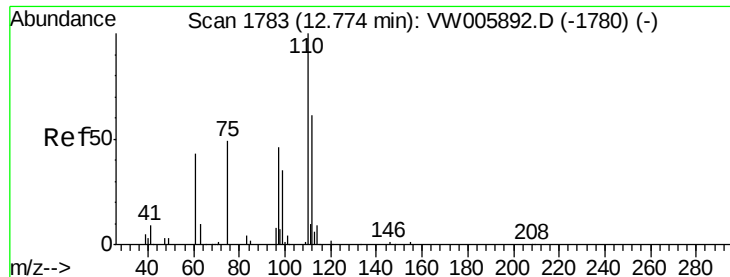
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005988.D
Acq: 10 Oct 2018 15:11

Tgt Ion:152 Resp: 116188
Ion Ratio Lower Upper
152 100
115 55.6 28.3 85.0
150 156.2 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

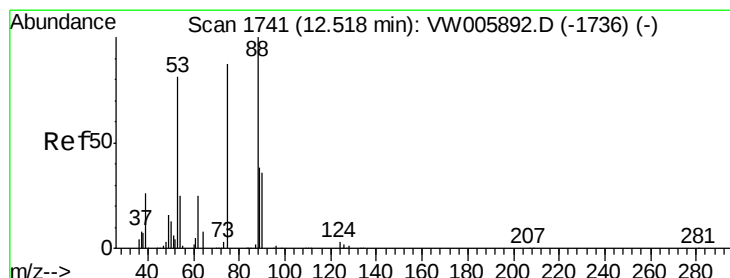
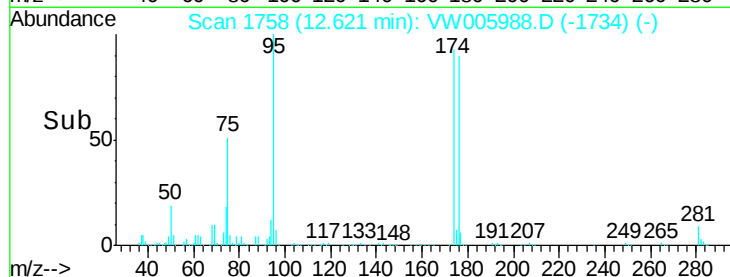
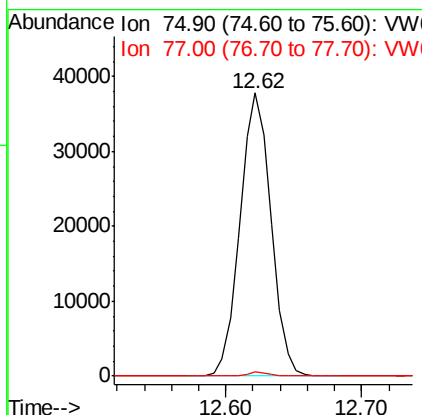
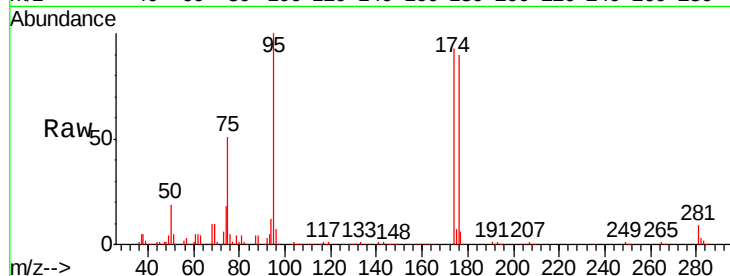




#76
 1,2,3-Trichloropropane
 Concen: 57.82 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005988.D
 Acq: 10 Oct 2018 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 S-23-V

Tgt Ion: 75 Resp: 60008
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.06 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005988.D
 Acq: 10 Oct 2018 15:11

Tgt Ion: 75 Resp: 60008
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.5 114.7#
 89 0.0 37.6 56.4#

