

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112618\
 Data File : VW007080.D
 Acq On : 27 Nov 2018 10:38
 Operator : VAY/AP
 Sample : J5774-05RE
 Misc : 5.72/5ML/MSVOA_W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-112118-A

Quant Time: Nov 27 12:28:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	124652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	200873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	158692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52075	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	64224	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
35) Dibromofluoromethane	7.88	113	54482	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	10.32	98	201899	40.30	ug/l	0.00
Spiked Amount			Recovery	=	80.60%	
62) 4-Bromofluorobenzene	12.62	95	66743	33.86	ug/l	0.00
Spiked Amount			Recovery	=	67.72%	

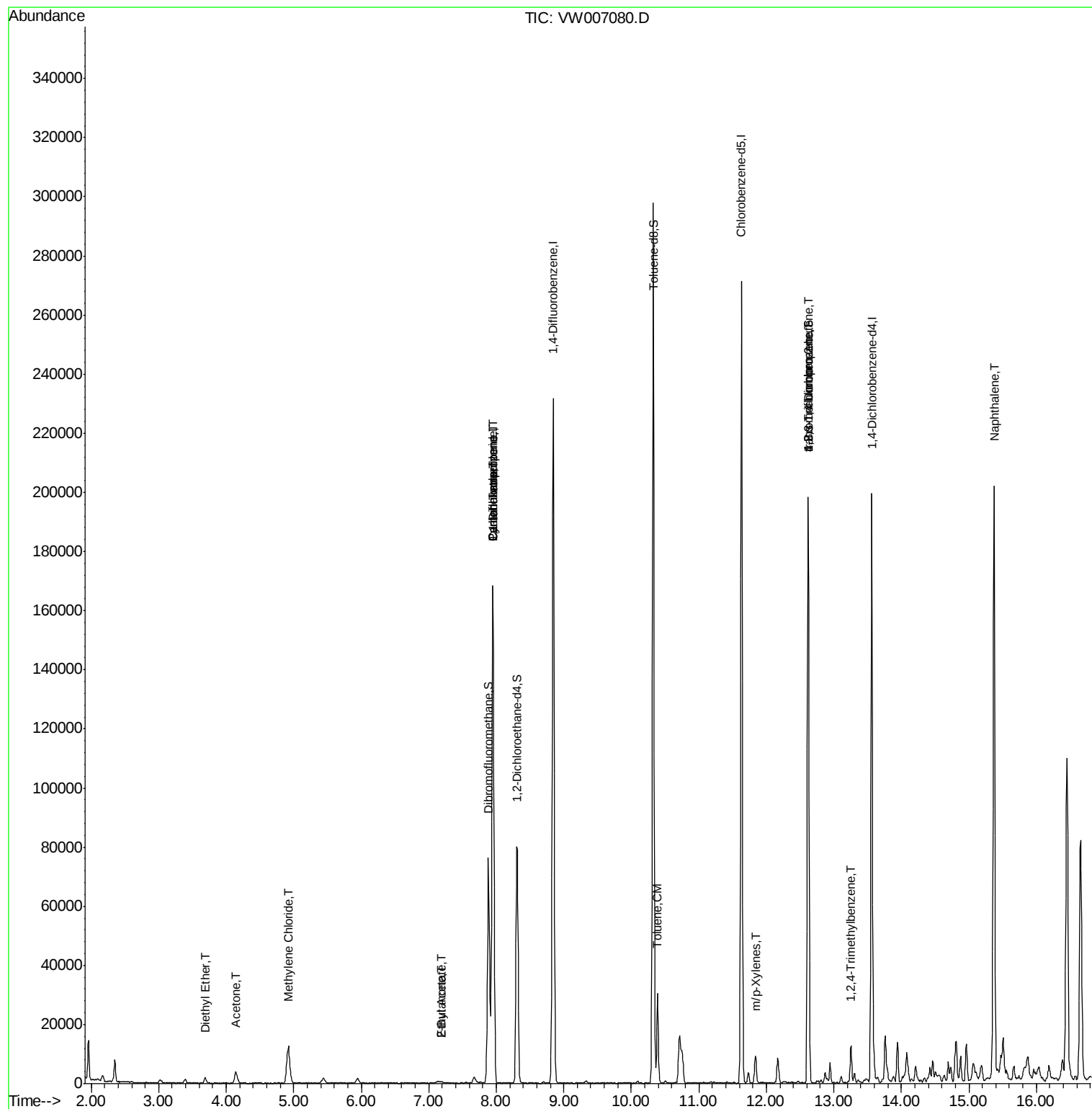
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	947	1.48	ug/l	82
16) Acetone	4.14	43	7287	41.13	ug/l	92
20) Methylene Chloride	4.92	84	10033	1.91	ug/l	94
25) 2-Butanone	7.18	43	802	2.64	ug/l #	48
31) Cyclohexane	7.95	56	2654	1.13	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	9249	4.71	ug/l #	51
37) Ethyl Acetate	7.18	43	802	1.13	ug/l #	69
38) Carbon Tetrachloride	7.95	117	12549	6.68	ug/l #	18
52) Toluene	10.39	92	12639	3.50	ug/l	97
68) m/p-Xylenes	11.84	106	2857	1.20	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	32147	78.56	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	32147	197.23	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.25	105	7476	2.14	ug/l	97
95) Naphthalene	15.38	128	179435	96.40	ug/l	100

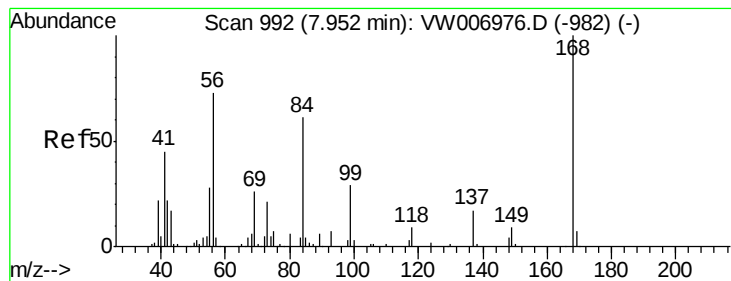
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007080.D

Acq: 27 Nov 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

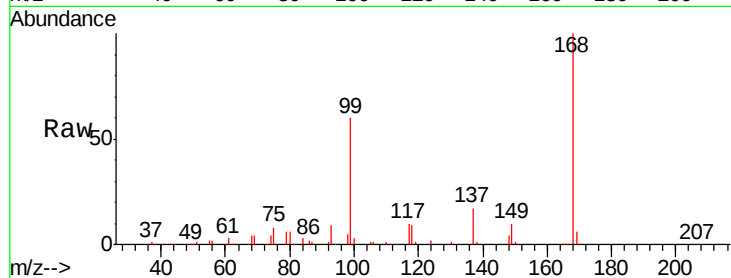
SU-03-112118-A

Tgt Ion: 168 Resp: 124652

Ion Ratio Lower Upper

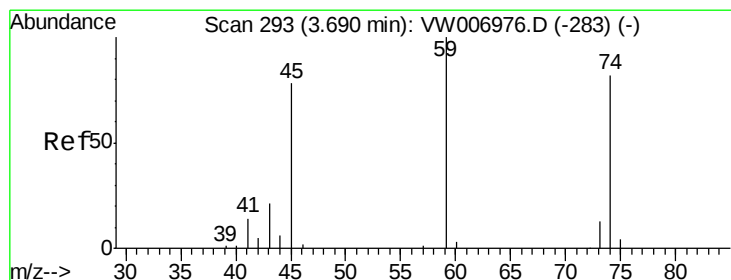
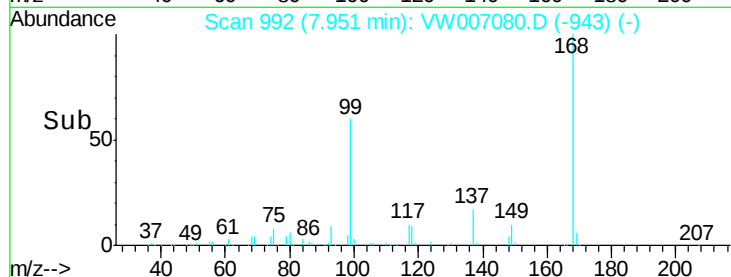
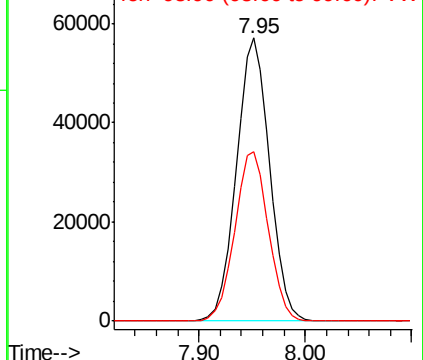
168 100

99 60.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.48 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW007080.D

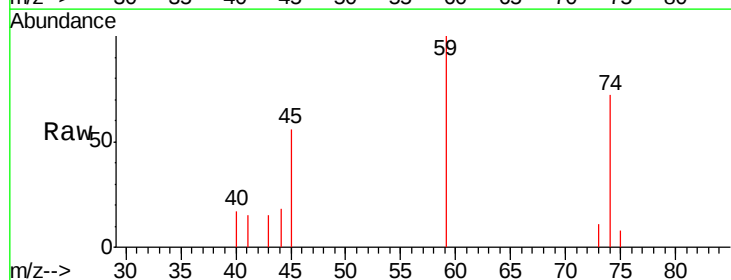
Acq: 27 Nov 2018 10:38

Tgt Ion: 74 Resp: 947

Ion Ratio Lower Upper

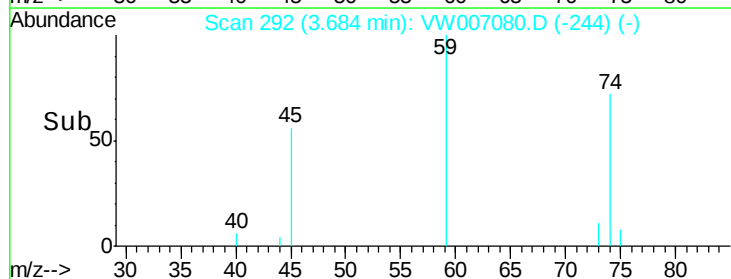
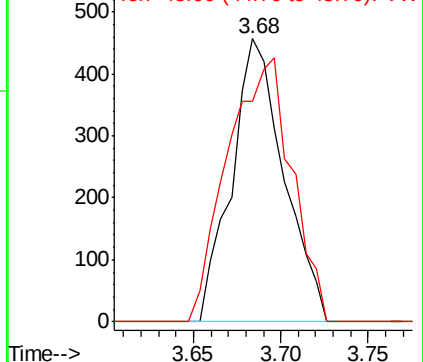
74 100

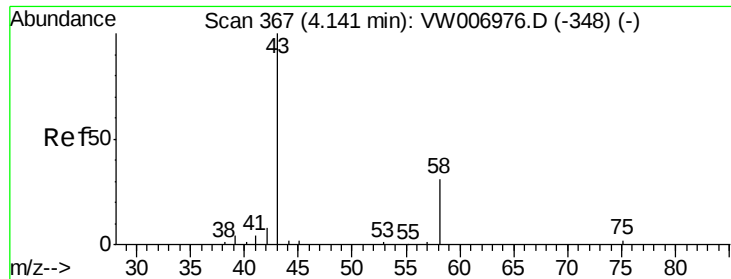
45 114.9 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 41.13 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW007080.D

Acq: 27 Nov 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

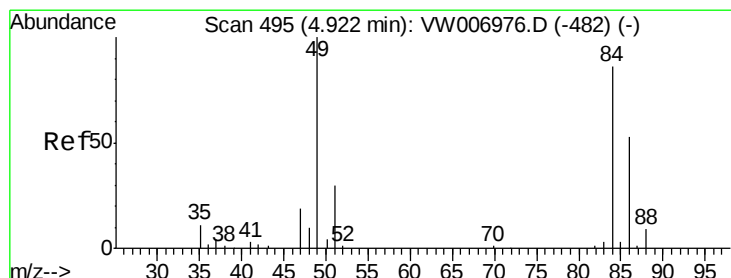
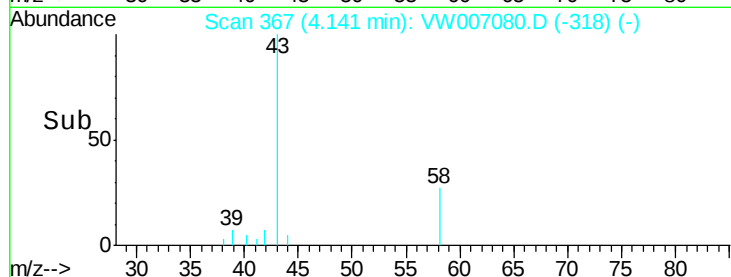
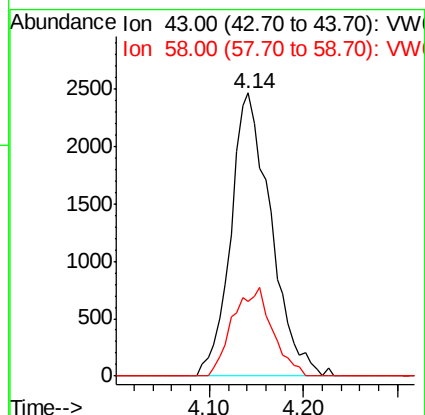
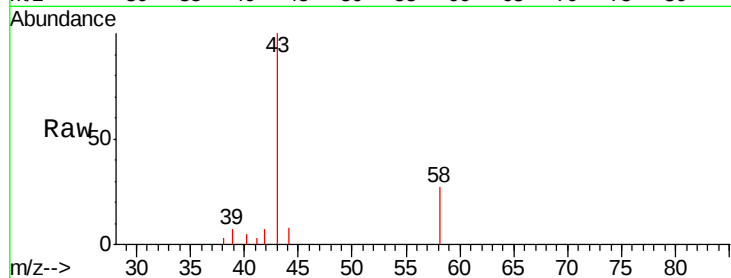
SU-03-112118-A

Tgt Ion: 43 Resp: 7287

Ion Ratio Lower Upper

43 100

58 26.6 24.8 37.2



#20

Methylene Chloride

Concen: 1.91 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW007080.D

Acq: 27 Nov 2018 10:38

Tgt Ion: 84 Resp: 10033

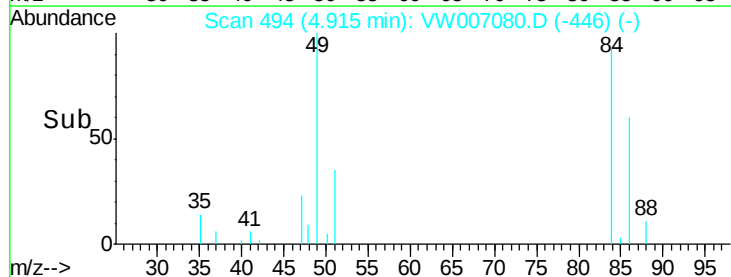
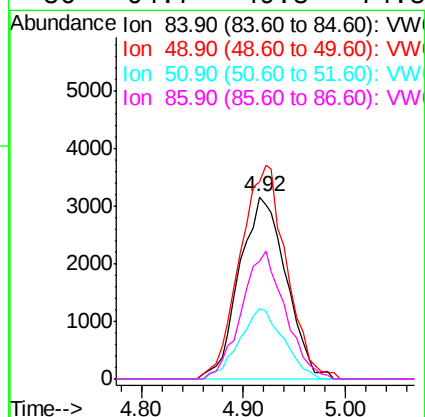
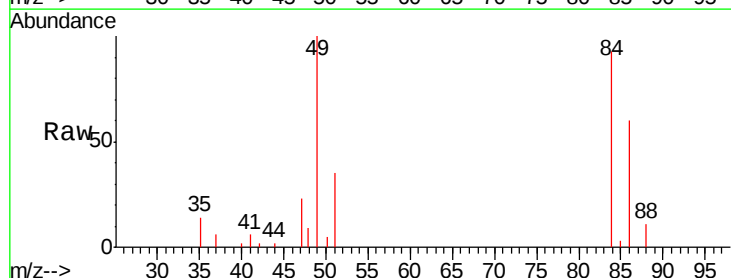
Ion Ratio Lower Upper

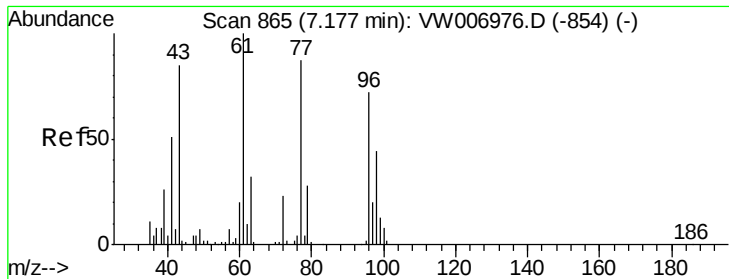
84 100

49 108.1 93.4 140.0

51 38.4 28.4 42.6

86 64.7 49.8 74.8





#25

2-Butanone

Concen: 2.64 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007080.D

Acq: 27 Nov 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

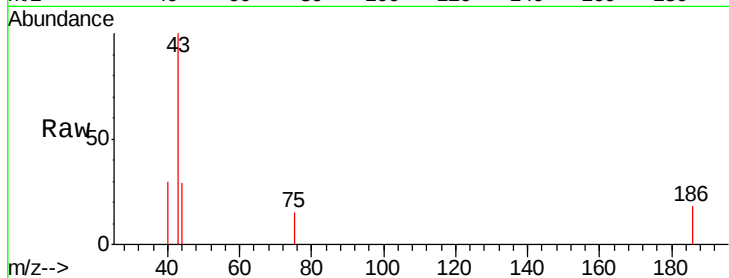
SU-03-112118-A

Tgt Ion: 43 Resp: 802

Ion Ratio Lower Upper

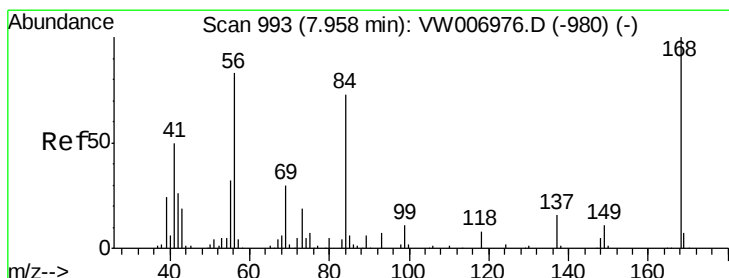
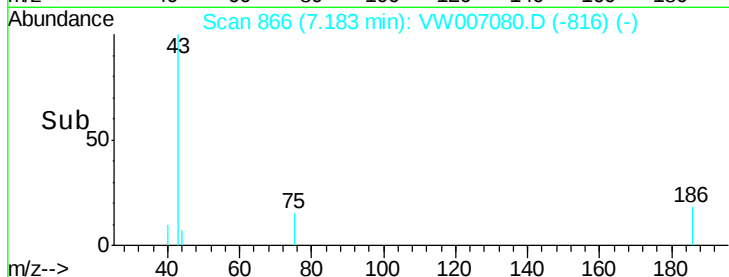
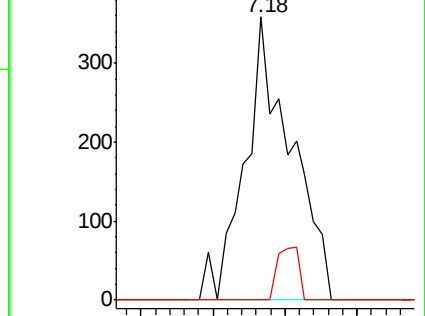
43 100

72 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.13 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007080.D

Acq: 27 Nov 2018 10:38

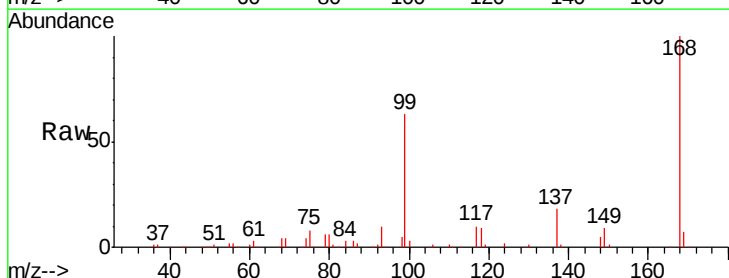
Tgt Ion: 56 Resp: 2654

Ion Ratio Lower Upper

56 100

69 169.3 29.1 43.7#

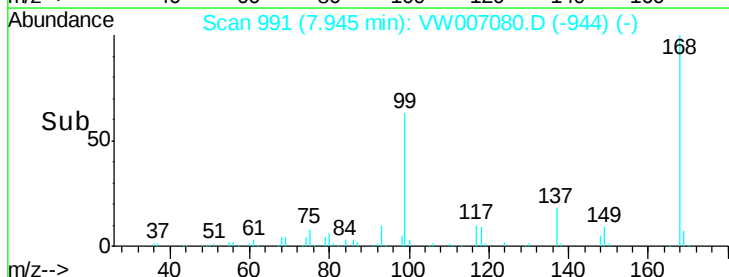
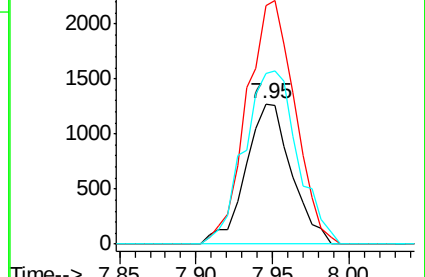
84 121.7 70.6 105.8#

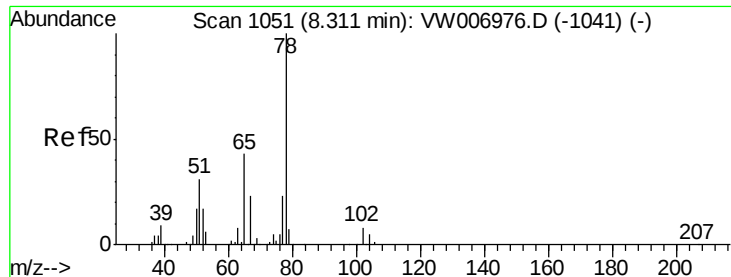


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

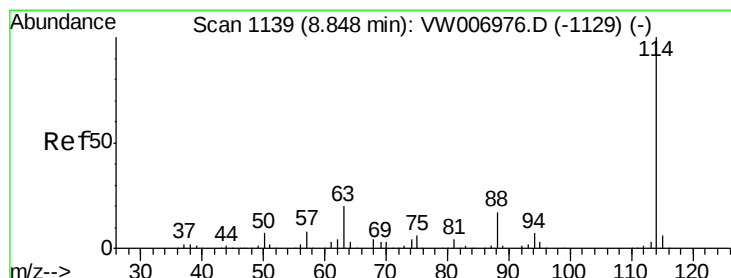
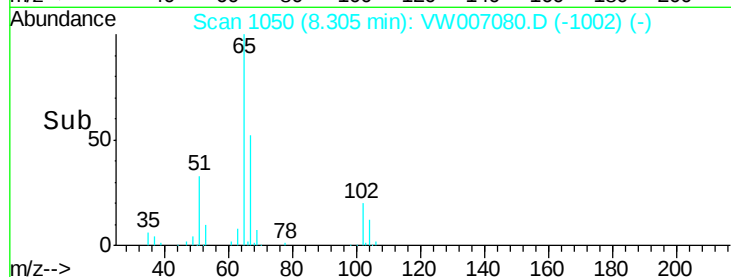
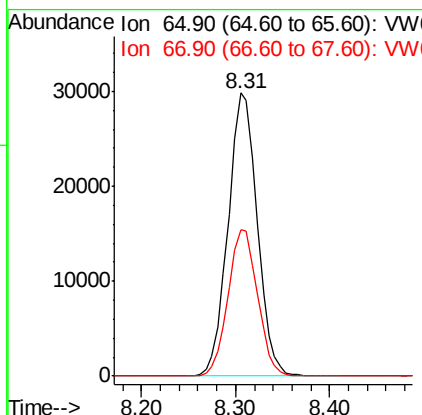
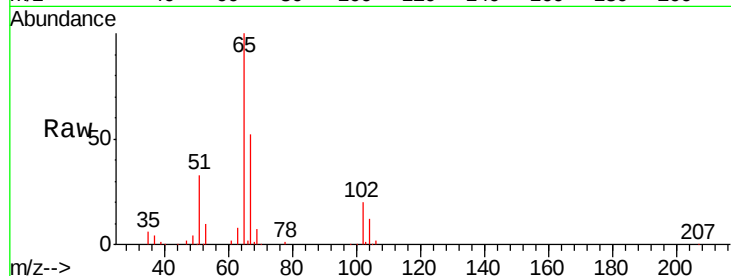




#33
 1,2-Dichloroethane-d4
 Concen: 52.63 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007080.D
 Acq: 27 Nov 2018 10:38

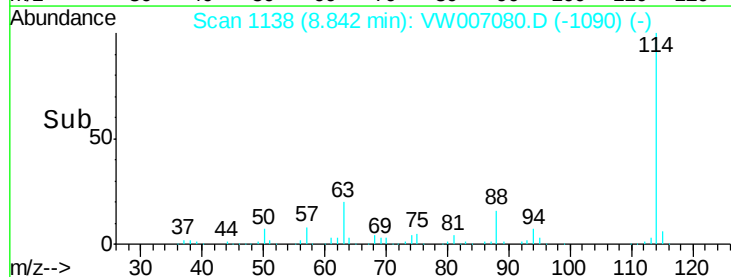
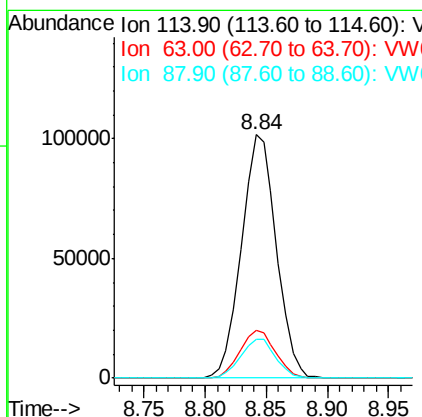
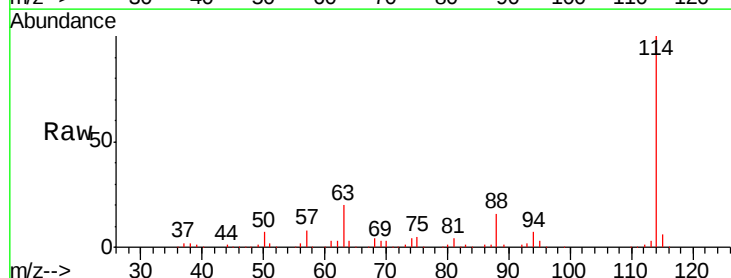
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-112118-A

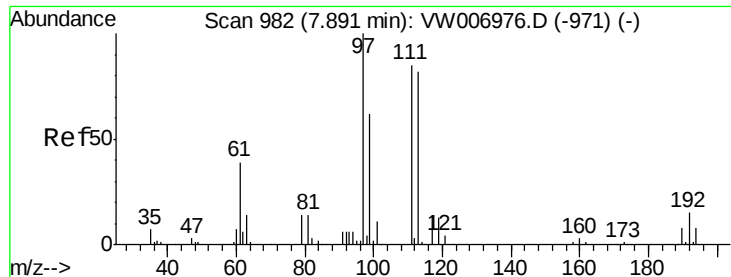
Tgt Ion: 65 Resp: 64224
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007080.D
 Acq: 27 Nov 2018 10:38

Tgt Ion: 114 Resp: 200873
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 15.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.03 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007080.D

Acq: 27 Nov 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

SU-03-112118-A

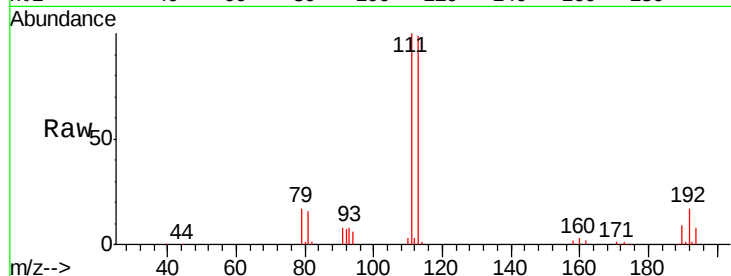
Tgt Ion:113 Resp: 54482

Ion Ratio Lower Upper

113 100

111 104.2 81.0 121.6

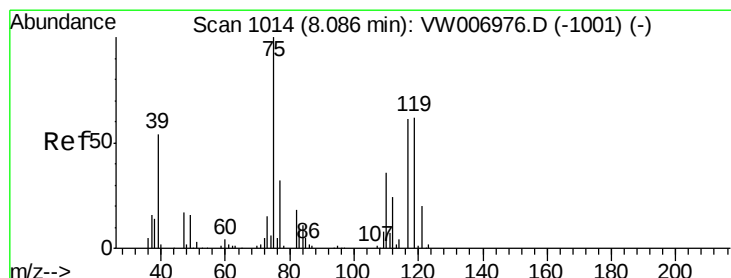
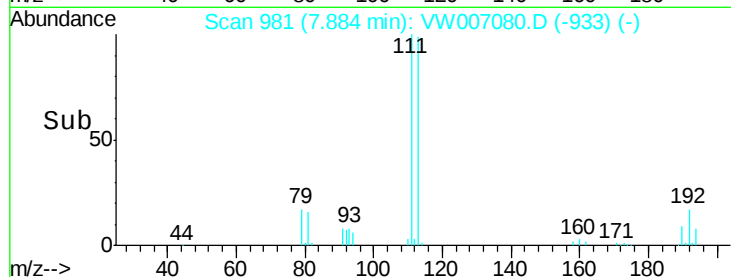
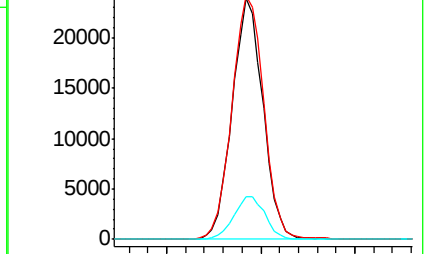
192 18.0 15.0 22.6



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: 4.71 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007080.D

Acq: 27 Nov 2018 10:38

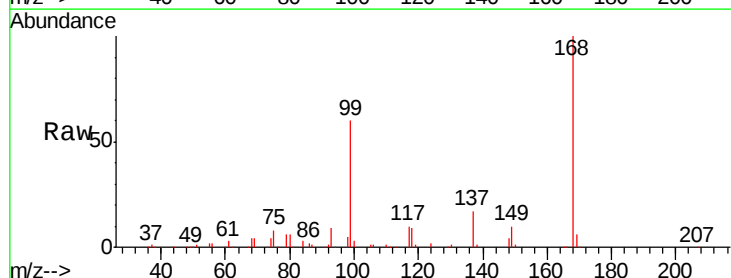
Tgt Ion: 75 Resp: 9249

Ion Ratio Lower Upper

75 100

110 11.2 18.0 54.0#

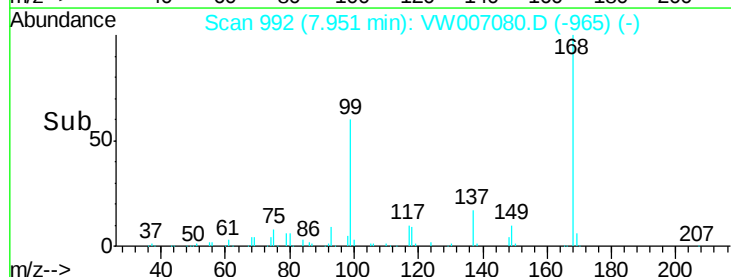
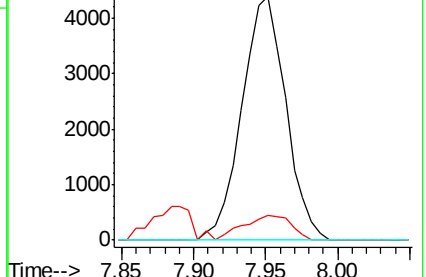
77 0.0 24.9 37.3#

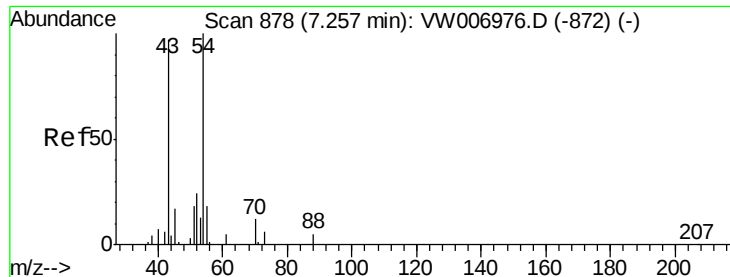


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

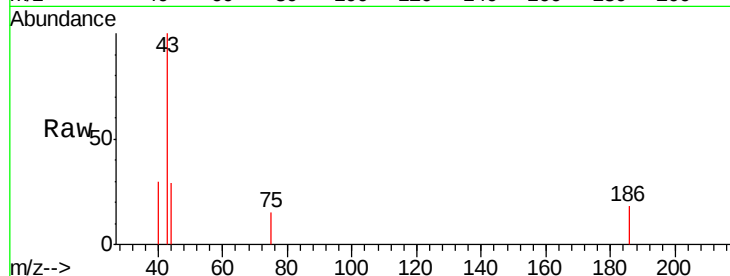




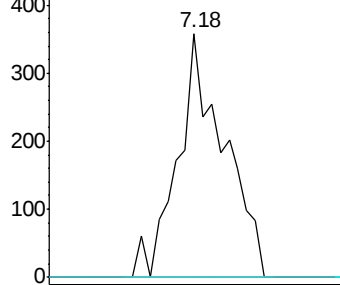
#37
Ethyl Acetate
Concen: 1.13 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.07 min
Lab File: VW007080.D
Acq: 27 Nov 2018 10:38

Instrument :
MSVOA_W
ClientSampleId :
SU-03-112118-A

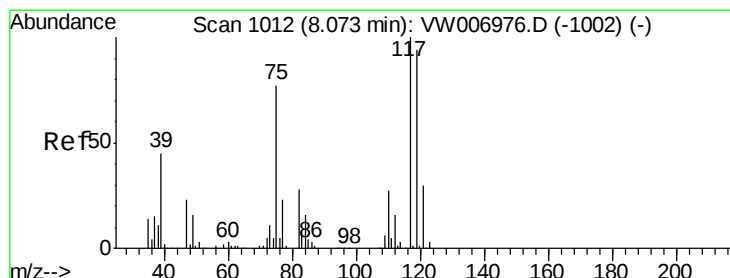
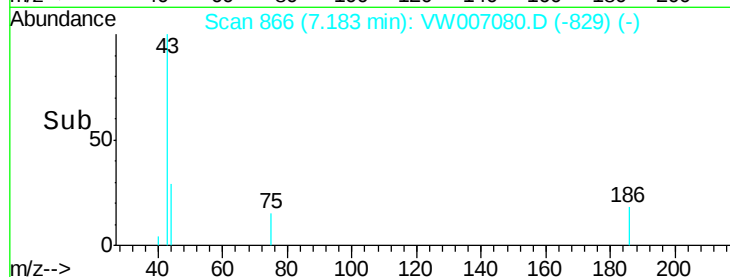
Tgt Ion: 43 Resp: 802
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 8.8 13.2#



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

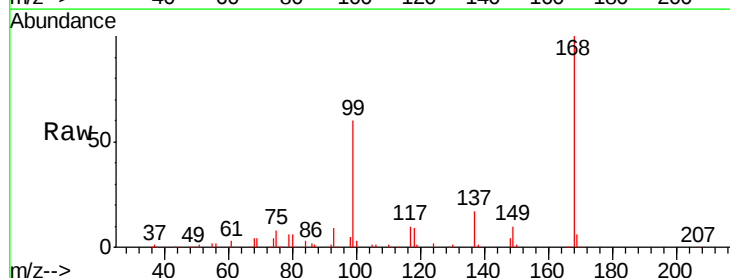


Time-->

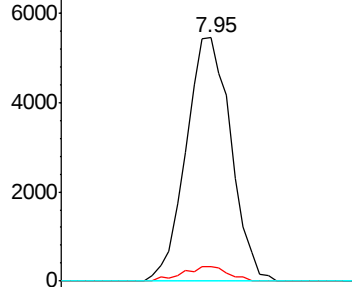


#38
Carbon Tetrachloride
Concen: 6.68 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007080.D
Acq: 27 Nov 2018 10:38

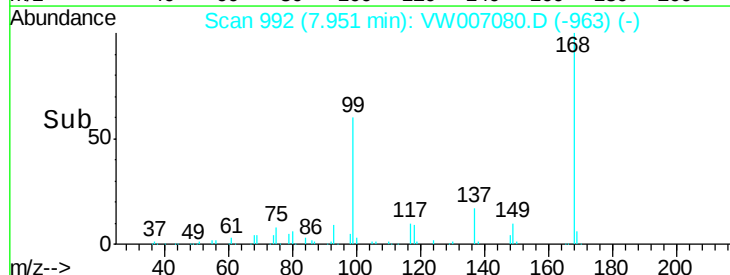
Tgt Ion: 117 Resp: 12549
Ion Ratio Lower Upper
117 100
119 6.0 74.9 112.3#
121 0.0 23.6 35.4#

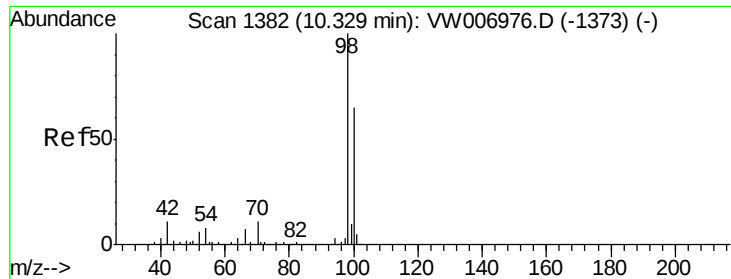


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



Time-->





#50

Toluene-d8

Concen: 40.30 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007080.D

Acq: 27 Nov 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

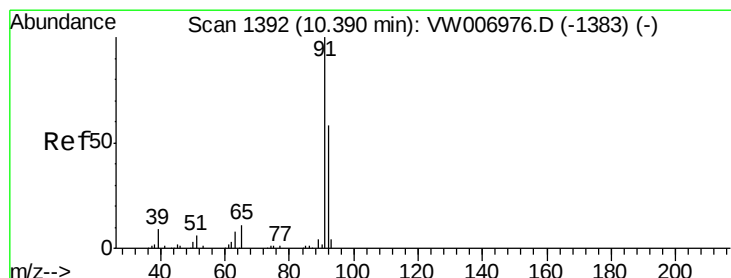
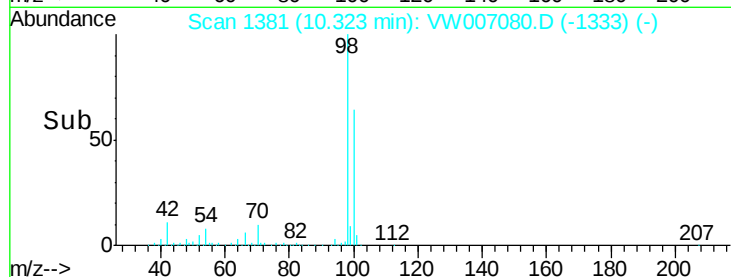
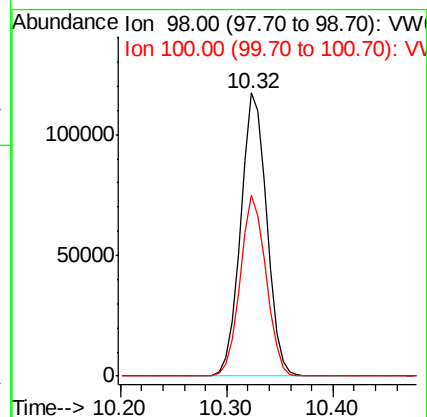
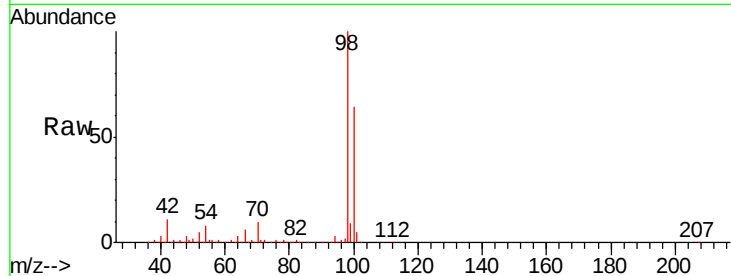
SU-03-112118-A

Tgt Ion: 98 Resp: 201899

Ion Ratio Lower Upper

98 100

100 63.4 52.2 78.2



#52

Toluene

Concen: 3.50 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007080.D

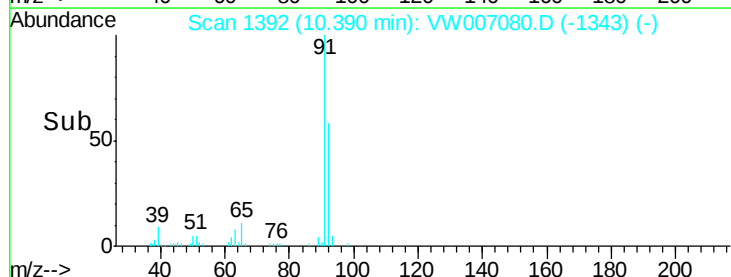
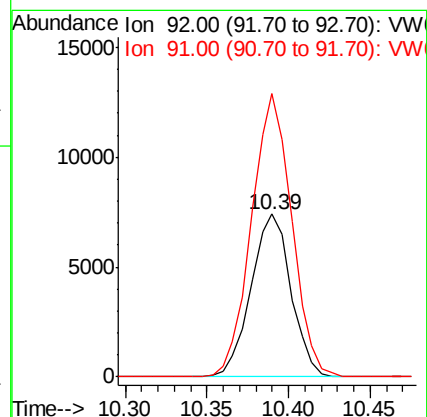
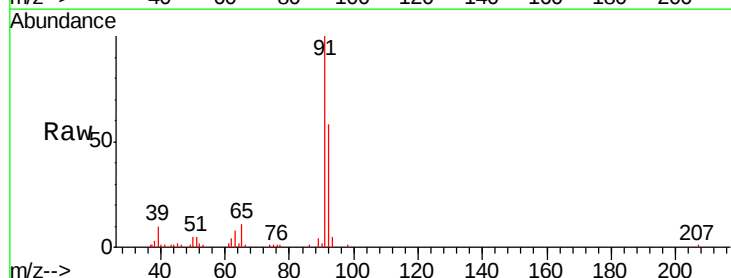
Acq: 27 Nov 2018 10:38

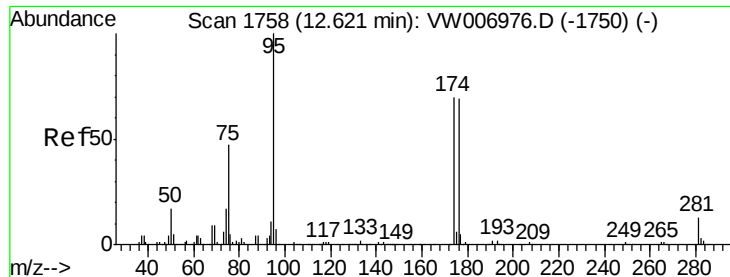
Tgt Ion: 92 Resp: 12639

Ion Ratio Lower Upper

92 100

91 175.4 137.3 205.9

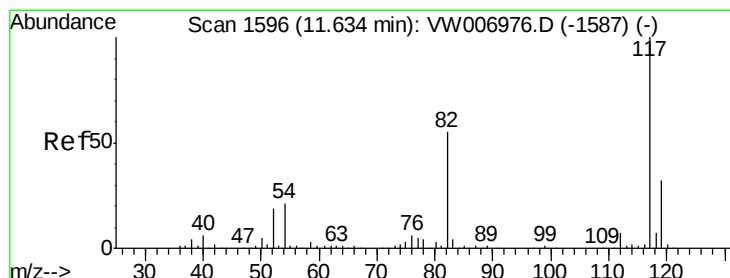
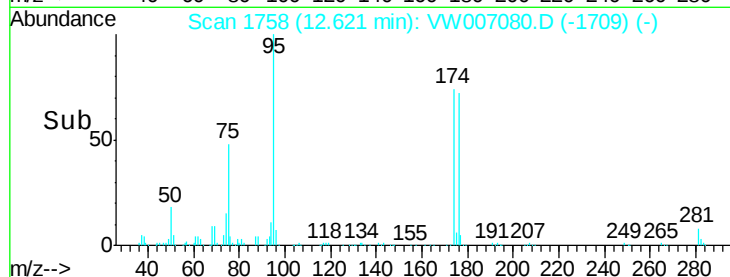
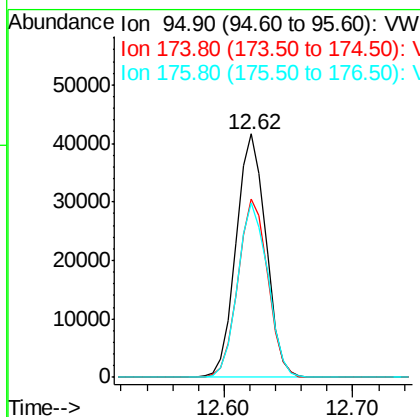
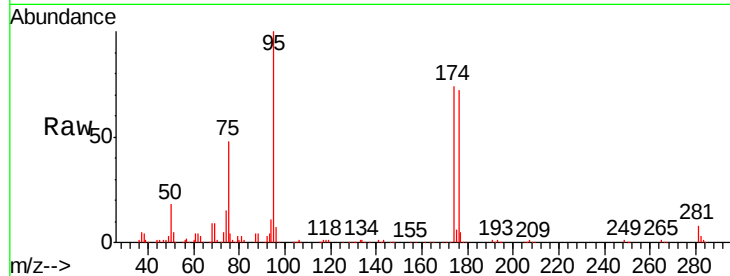




#62
4-Bromofluorobenzene
Concen: 33.86 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007080.D
Acq: 27 Nov 2018 10:38

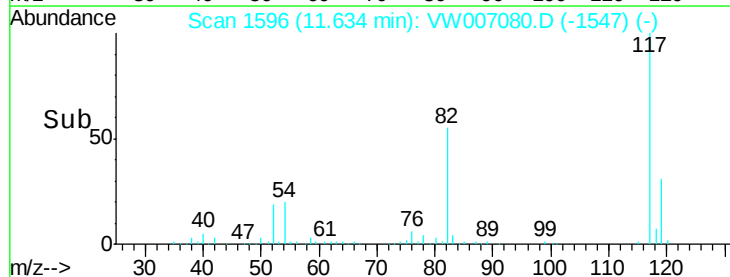
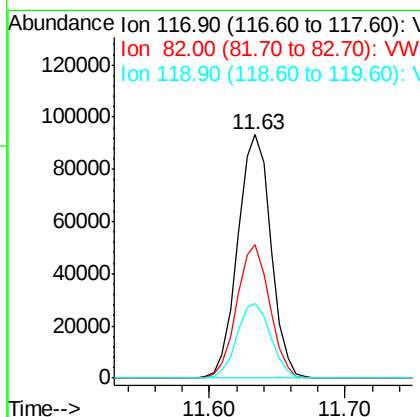
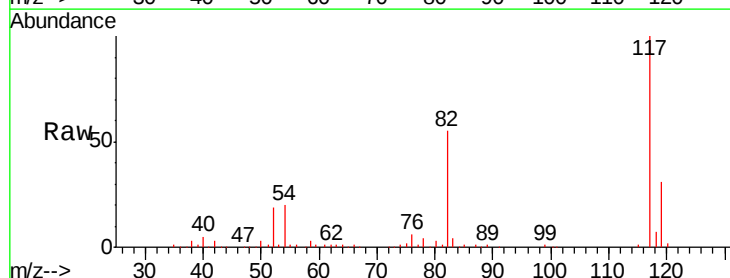
Instrument :
MSVOA_W
ClientSampleId :
SU-03-112118-A

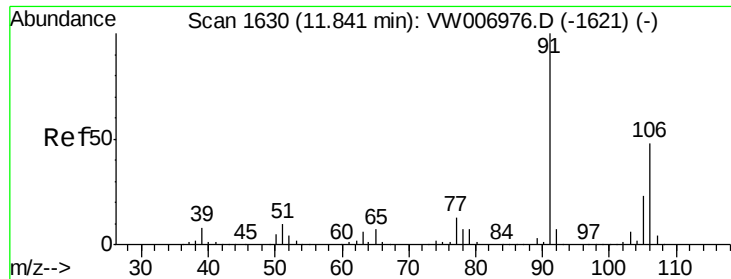
Tgt Ion: 95 Resp: 66743
Ion Ratio Lower Upper
95 100
174 73.2 0.0 143.6
176 72.2 0.0 140.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007080.D
Acq: 27 Nov 2018 10:38

Tgt Ion: 117 Resp: 158692
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 30.8 25.9 38.9





#68

m/p-Xylenes

Concen: 1.20 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007080.D

Acq: 27 Nov 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

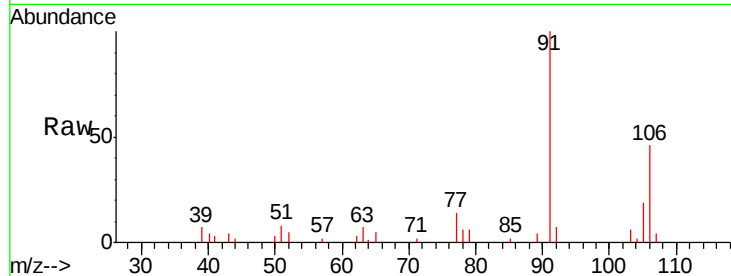
SU-03-112118-A

Tgt Ion:106 Resp: 2857

Ion Ratio Lower Upper

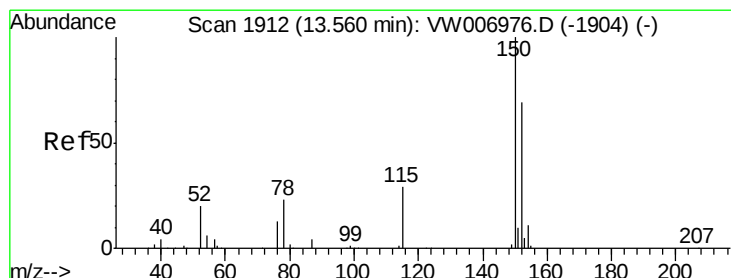
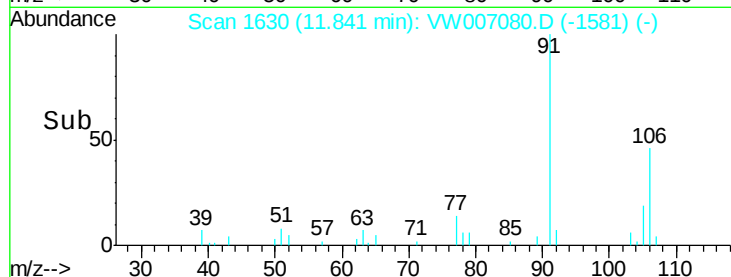
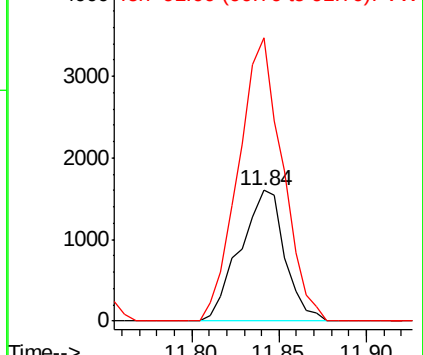
106 100

91 213.2 164.8 247.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007080.D

Acq: 27 Nov 2018 10:38

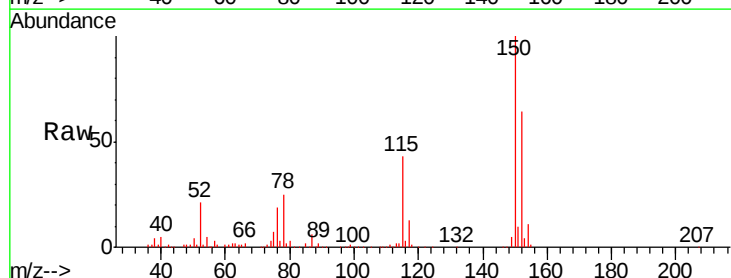
Tgt Ion:152 Resp: 52075

Ion Ratio Lower Upper

152 100

115 64.2 31.4 94.2

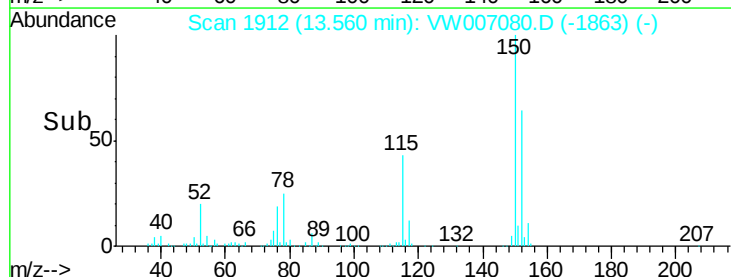
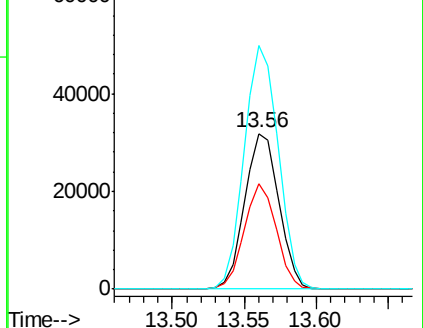
150 157.0 0.0 353.4

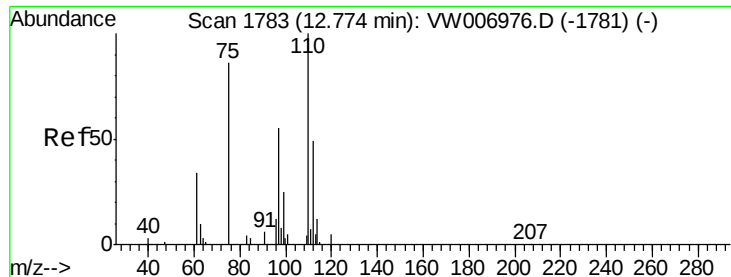


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 78.56 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007080.D

Acq: 27 Nov 2018 10:38

Instrument :

MSVOA_W

ClientSampleId :

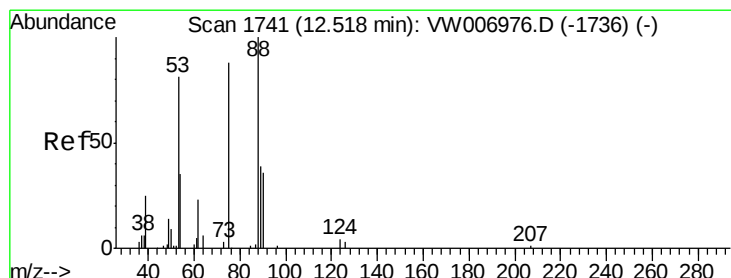
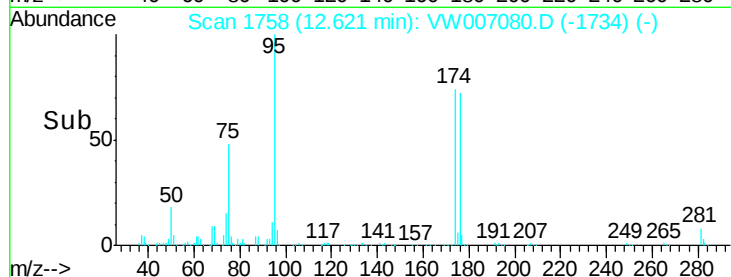
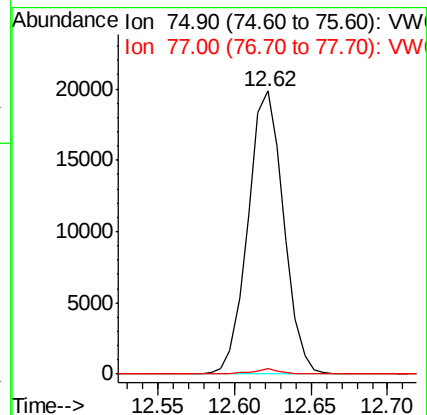
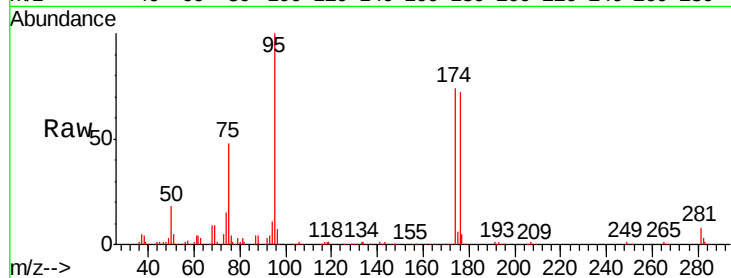
SU-03-112118-A

Tgt Ion: 75 Resp: 32147

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 197.23 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007080.D

Acq: 27 Nov 2018 10:38

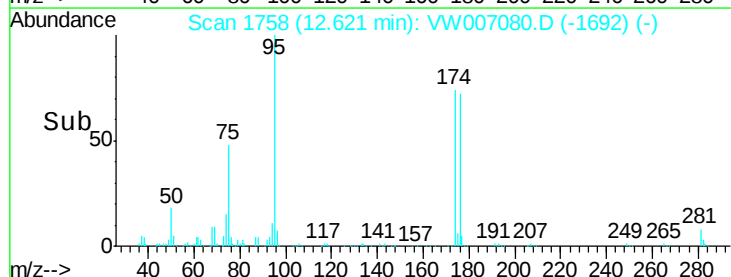
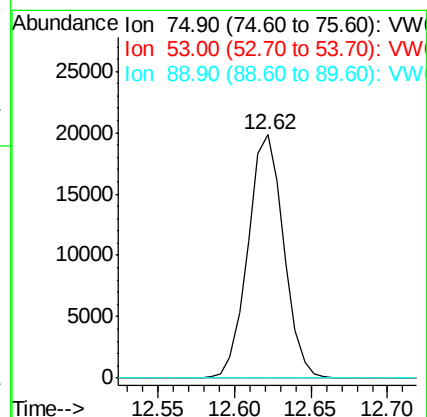
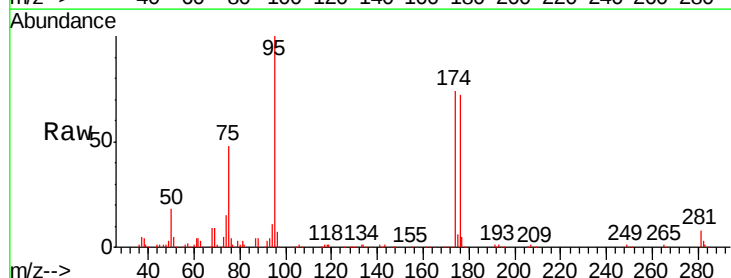
Tgt Ion: 75 Resp: 32147

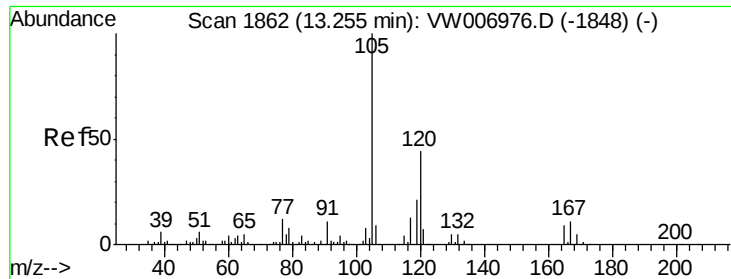
Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.2 39.3 58.9#

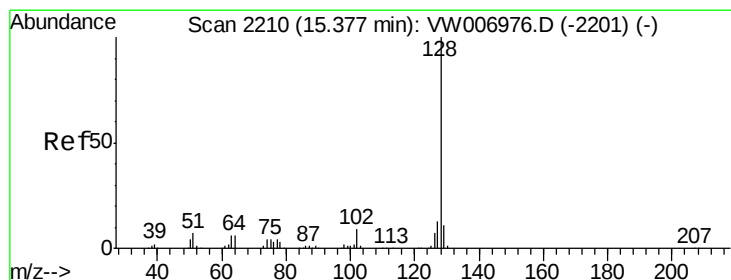
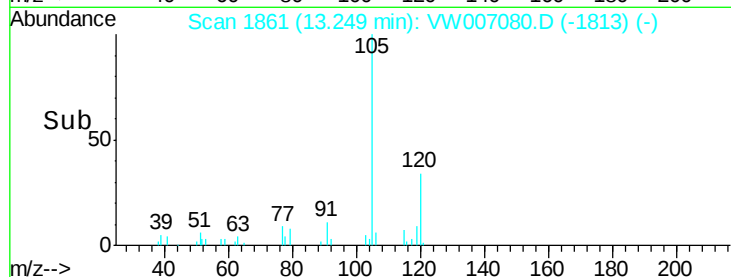
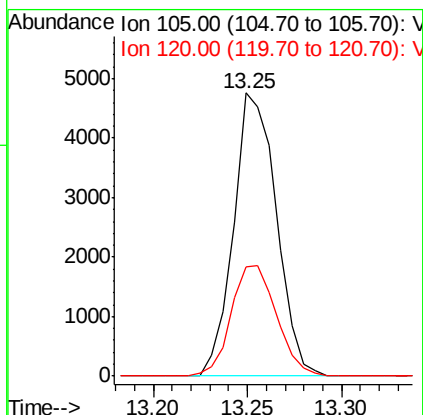
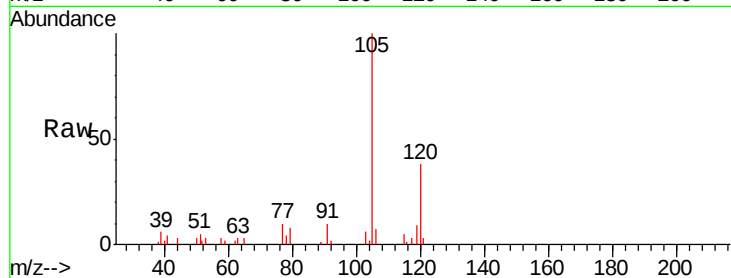




#84
 1,2,4-Trimethylbenzene
 Concen: 2.14 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW007080.D
 Acq: 27 Nov 2018 10:38

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-112118-A

Tgt Ion:105 Resp: 7476
 Ion Ratio Lower Upper
 105 100
 120 41.6 21.8 65.3



#95
 Naphthalene
 Concen: 96.40 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW007080.D
 Acq: 27 Nov 2018 10:38

Tgt Ion:128 Resp: 179435
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.5 15.7
 129 11.0 8.7 13.1

