

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007513.D
 Acq On : 14 Dec 2018 04:08
 Operator : SY/AP
 Sample : J6340-07RE
 Misc : 4.61G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-05ARE

Quant Time: Dec 14 06:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	31594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	46510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	18208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	2053	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	14921	42.57	ug/l	0.00
Spiked Amount			Recovery	=	85.14%	
35) Dibromofluoromethane	7.88	113	15546	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
50) Toluene-d8	10.32	98	31243	29.60	ug/l	0.00
Spiked Amount			Recovery	=	59.20%	
62) 4-Bromofluorobenzene	12.62	95	3616	9.32	ug/l	0.00
Spiked Amount			Recovery	=	18.64%	

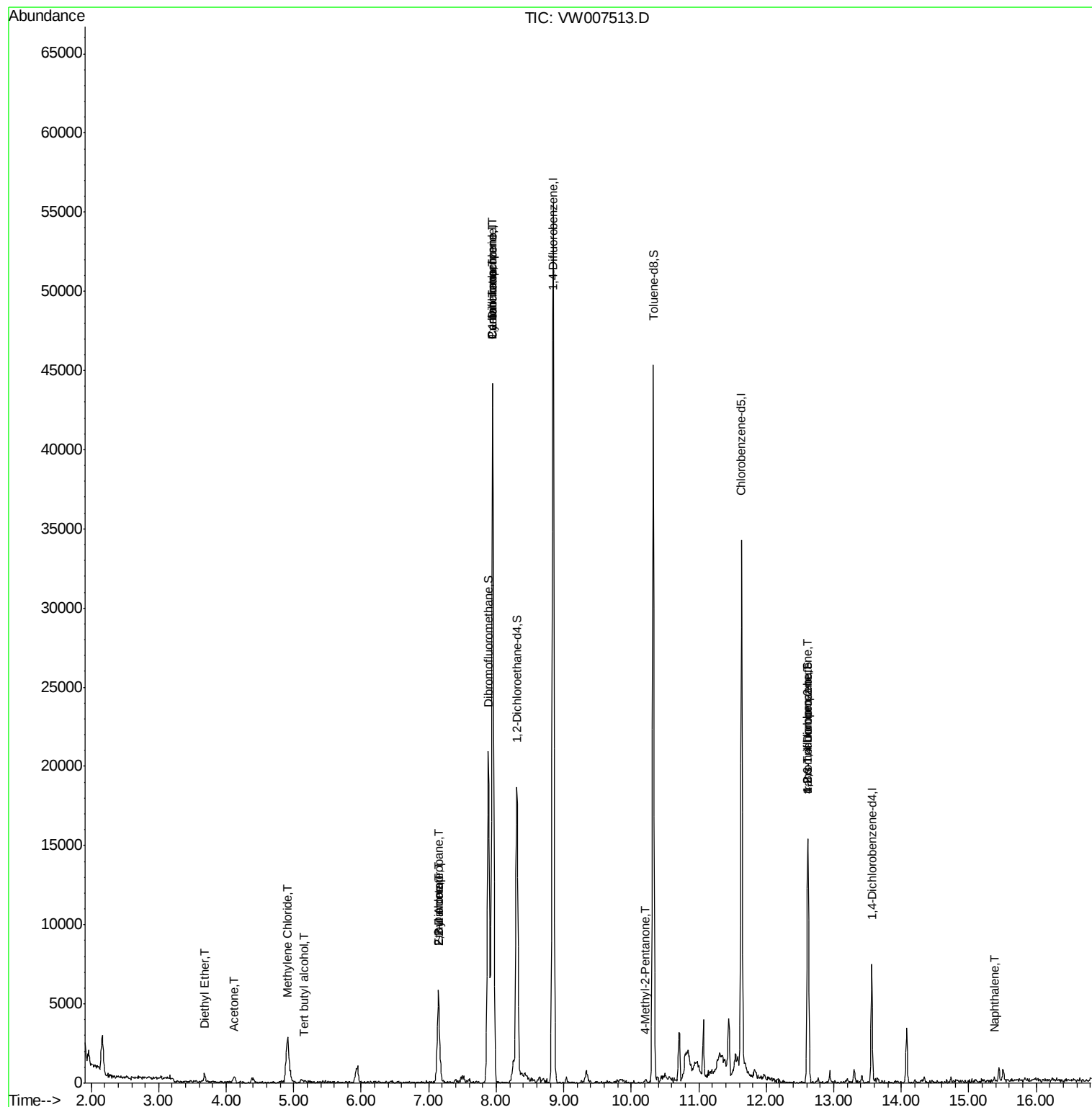
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	197	1.290	ug/l	88
11) Tert butyl alcohol	5.15	59	155	6.439	ug/l #	74
16) Acetone	4.11	43	770	12.577	ug/l #	44
20) Methylene Chloride	4.90	84	2471	3.757	ug/l #	80
25) 2-Butanone	7.14	43	201	2.515	ug/l #	45
26) 2,2-Dichloropropane	7.14	77	405	1.031	ug/l #	52
31) Cyclohexane	7.94	56	678	1.245	ug/l #	12
36) 1,1-Dichloropropene	7.94	75	2450	5.774	ug/l #	47
37) Ethyl Acetate	7.14	43	201	1.274	ug/l #	32
38) Carbon Tetrachloride	7.95	117	3425	7.419	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	323	2.193	ug/l #	79
76) 1,2,3-Trichloropropane	12.62	75	1884	111.298	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	1884	245.858	ug/l #	7
95) Naphthalene	15.38	128	114	1.391	ug/l #	70

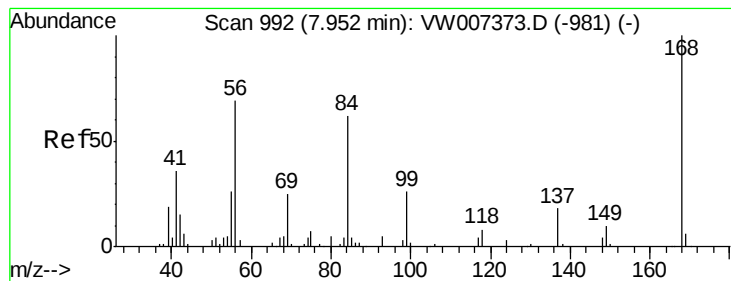
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : SY/AP
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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 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: VW007513.D

Acq: 14 Dec 2018 04:08

Instrument :

MSVOA_W

ClientSampleId :

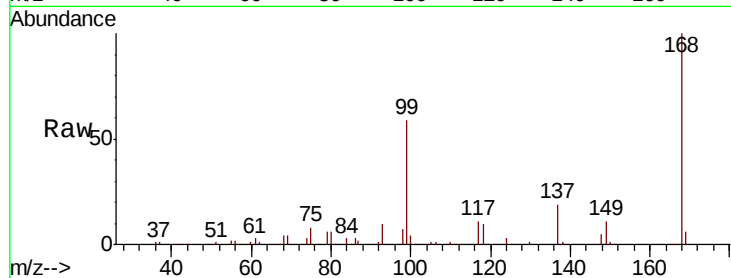
SB-05ARE

Tot Ion:168 Resp: 31594

Ion Ratio Lower Upper

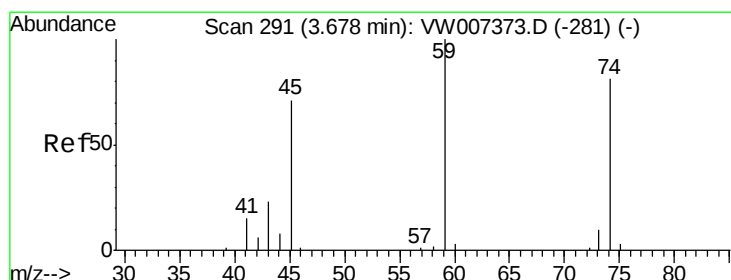
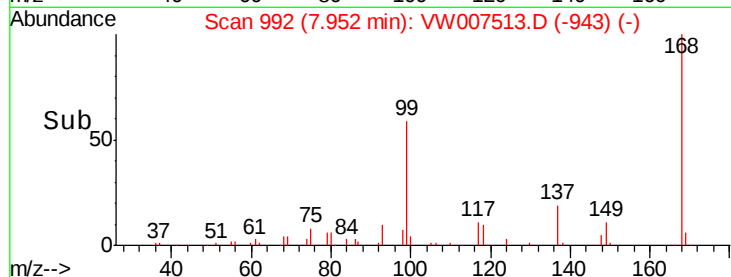
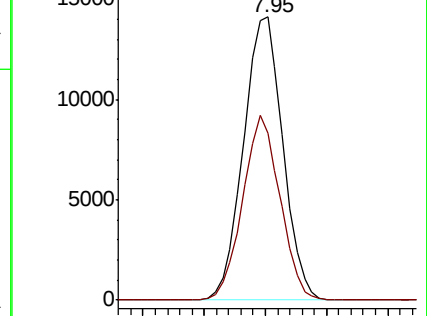
168 100

99 59.0 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.290 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW007513.D

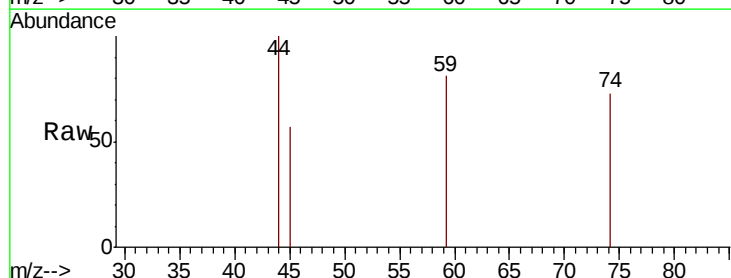
Acq: 14 Dec 2018 04:08

Tgt Ion: 74 Resp: 197

Ion Ratio Lower Upper

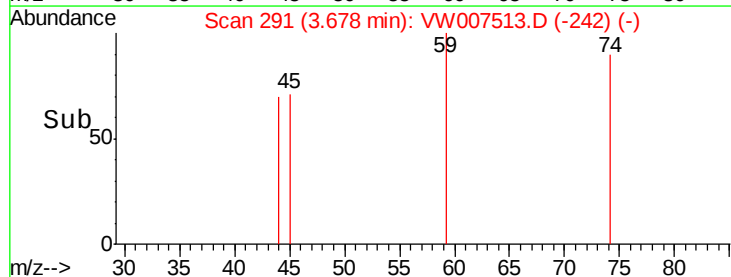
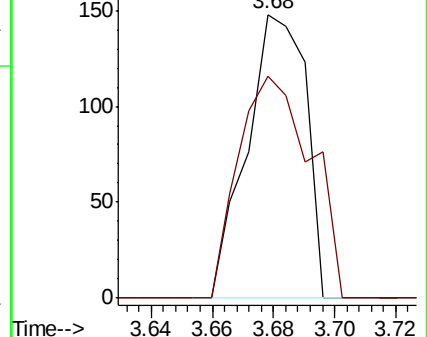
74 100

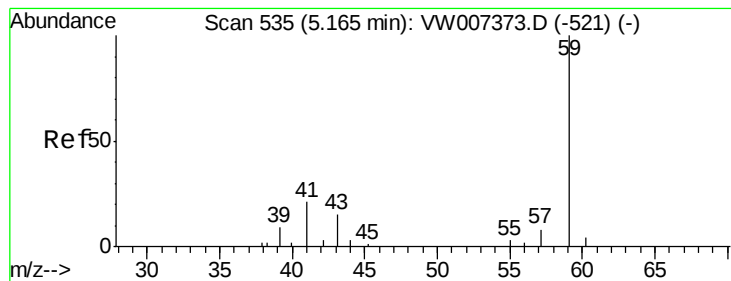
45 97.0 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



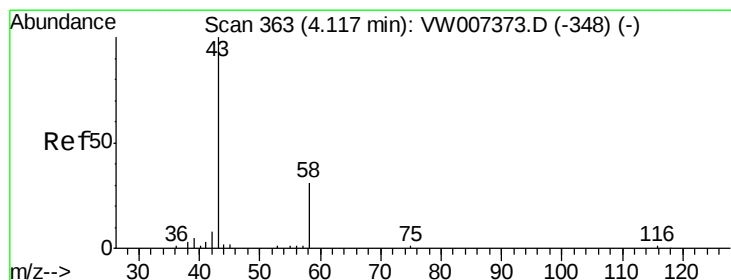
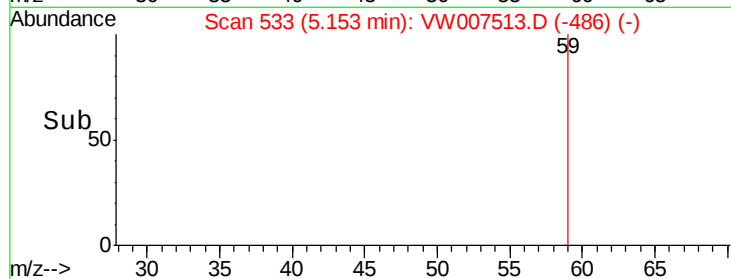
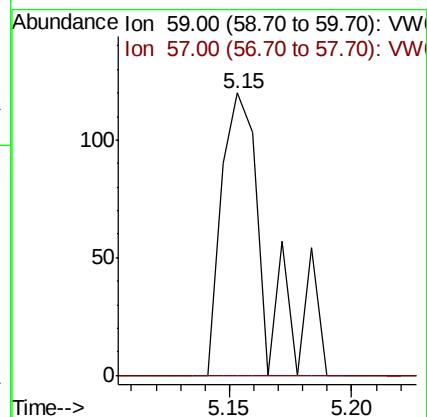
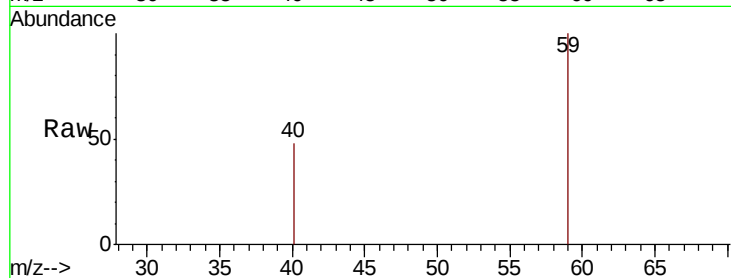


#11

Tert butyl alcohol
 Concen: 6.439 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW007513.D
 Acq: 14 Dec 2018 04:08

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-05ARE

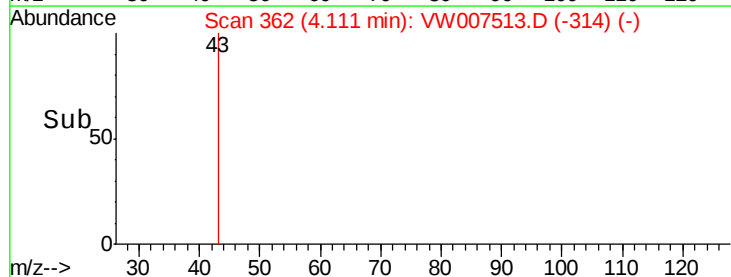
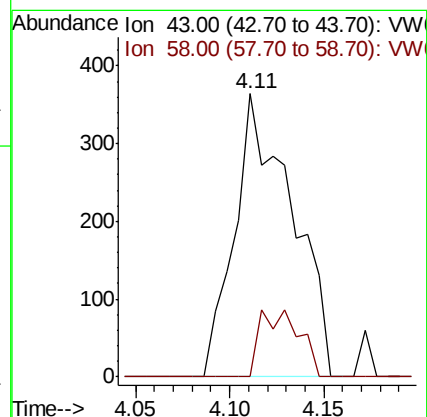
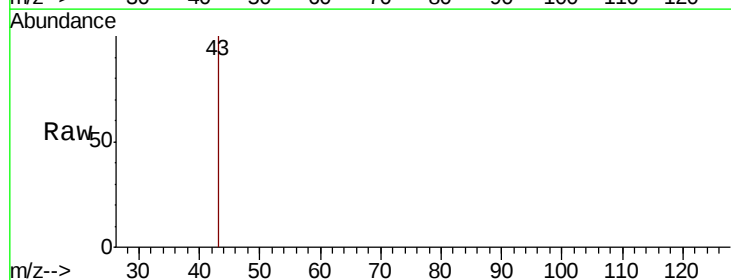
Tot Ion: 59 Resp: 155
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

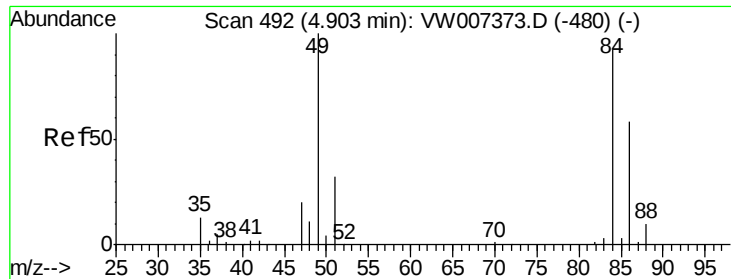


#16

Acetone
 Concen: 12.577 ug/l
 RT: 4.11 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VW007513.D
 Acq: 14 Dec 2018 04:08

Tgt Ion: 43 Resp: 770
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.9 37.3#

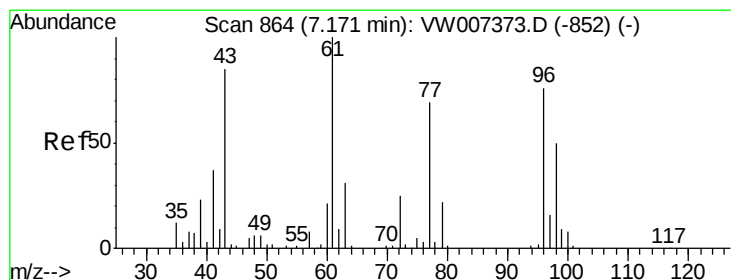
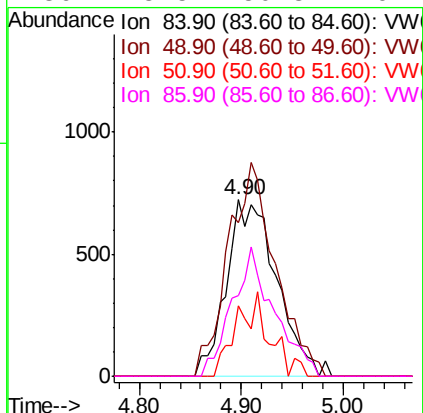
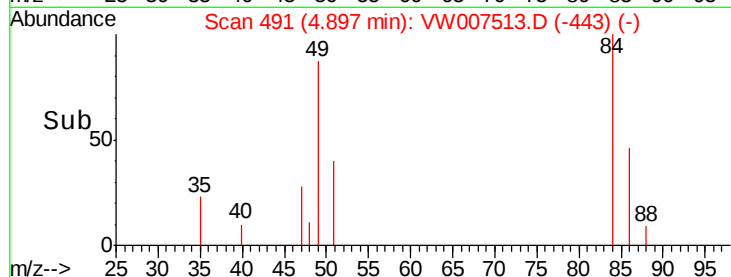
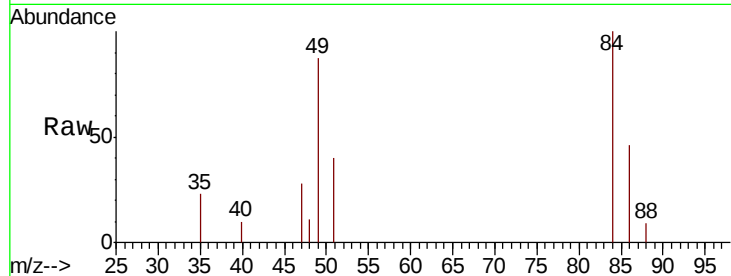




#20
Methvlene Chloride
Concen: 3.757 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW007513.D
Acq: 14 Dec 2018 04:08

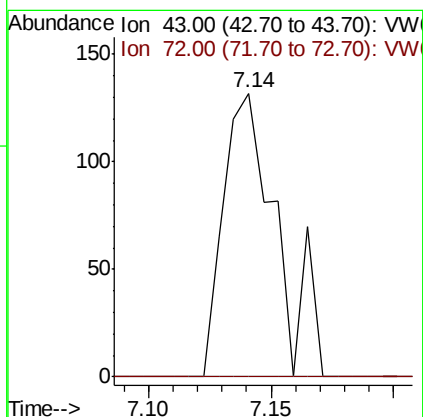
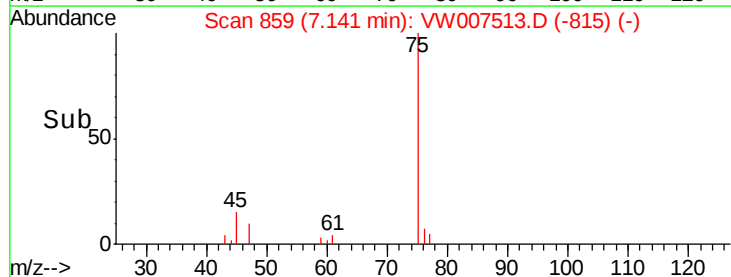
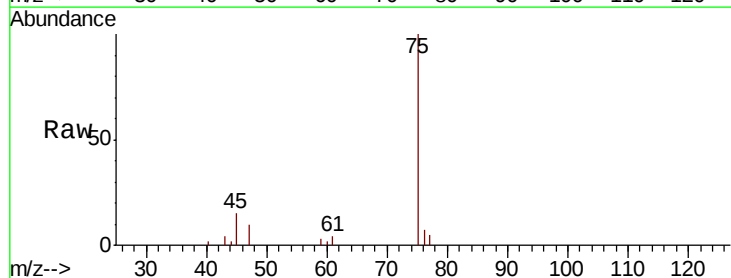
Instrument :
MSVOA_W
ClientSampleId :
SB-05ARE

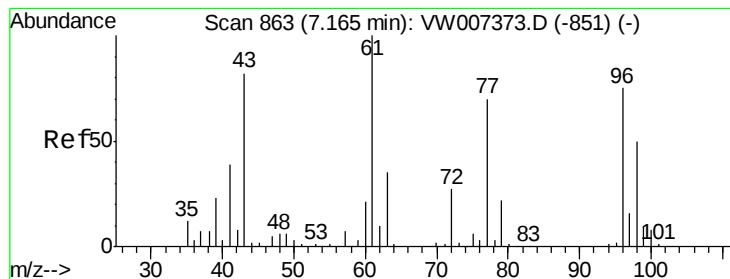
Tot Ion: 84 Resp: 2471
Ion Ratio Lower Upper
84 100
49 86.9 87.1 130.7#
51 40.1 28.2 42.2
86 45.5 50.8 76.2#



#25
2-Butanone
Concen: 2.515 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW007513.D
Acq: 14 Dec 2018 04:08

Tgt Ion: 43 Resp: 201
Ion Ratio Lower Upper
43 100
72 0.0 23.4 35.2#

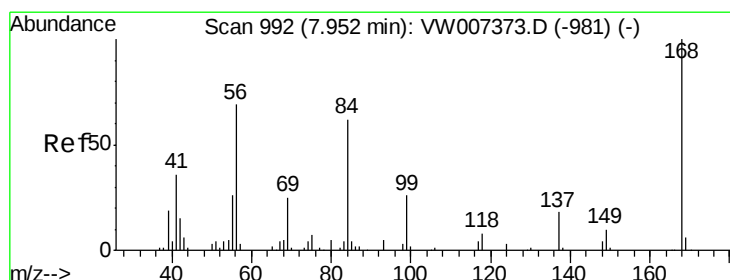
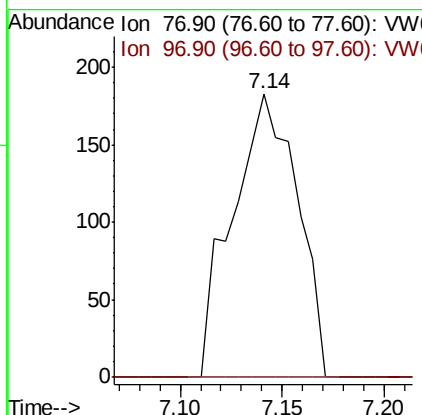
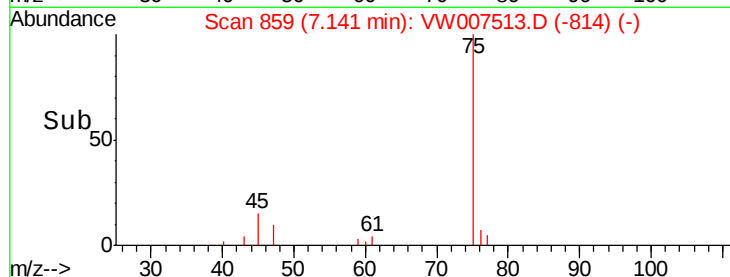
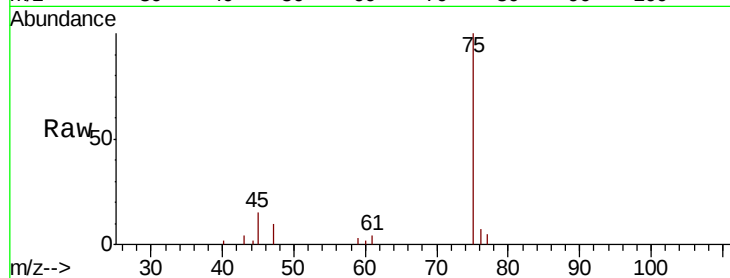




#26
 2,2-Dichloropropane
 Concen: 1.031 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW007513.D
 Acq: 14 Dec 2018 04:08

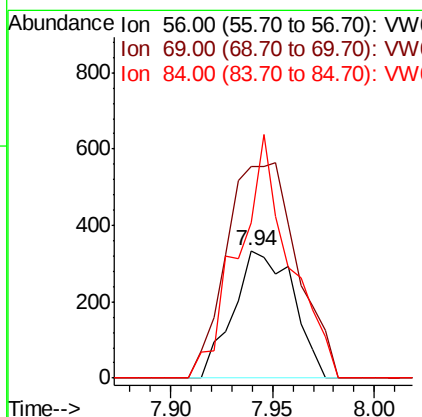
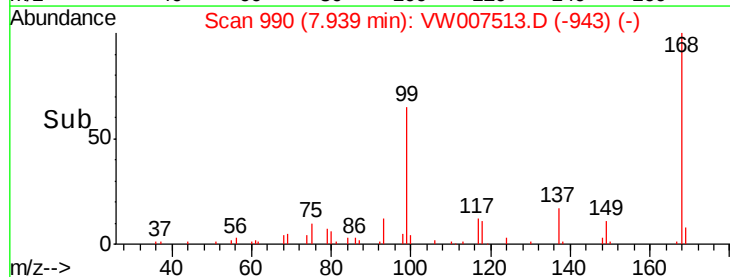
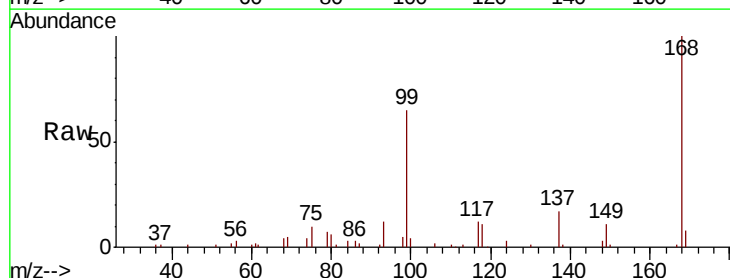
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-05ARE

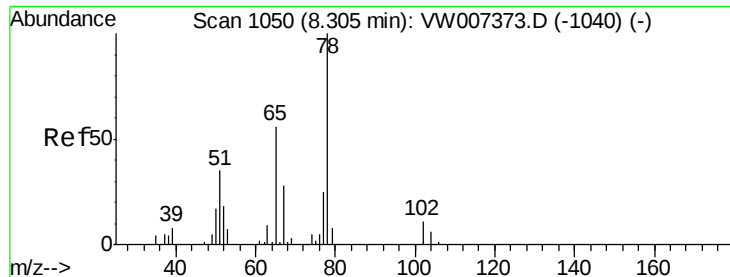
Tot Ion: 77 Resp: 405
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.6 34.8#



#31
 Cyclohexane
 Concen: 1.245 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VW007513.D
 Acq: 14 Dec 2018 04:08

Tgt Ion: 56 Resp: 678
 Ion Ratio Lower Upper
 56 100
 69 166.2 28.9 43.3#
 84 121.6 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 42.569 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW007513.D

Acq: 14 Dec 2018 04:08

Instrument :

MSVOA_W

ClientSampleId :

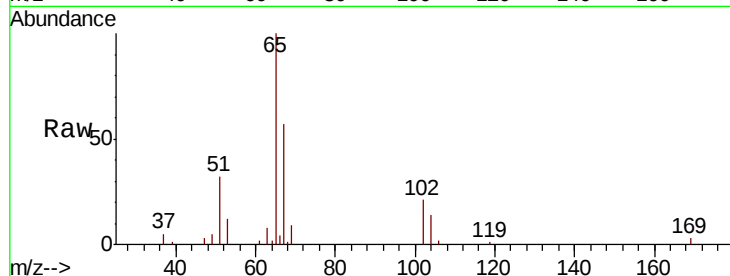
SB-05ARE

Tot Ion: 65 Resp: 14921

Ion Ratio Lower Upper

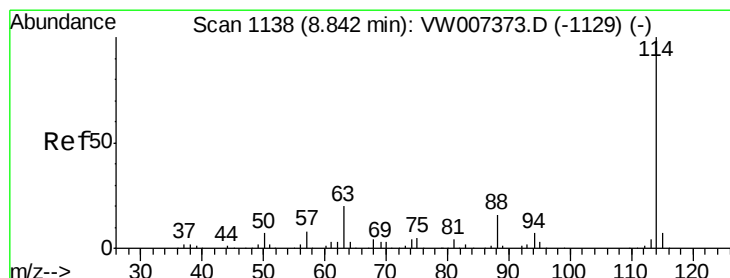
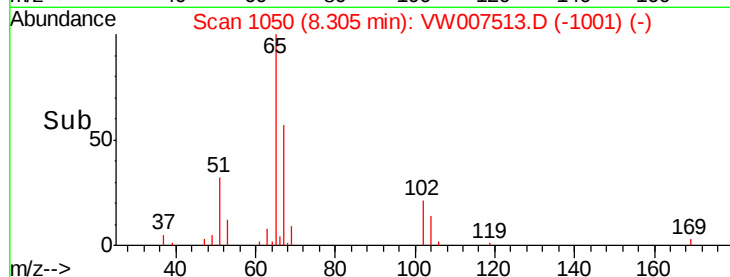
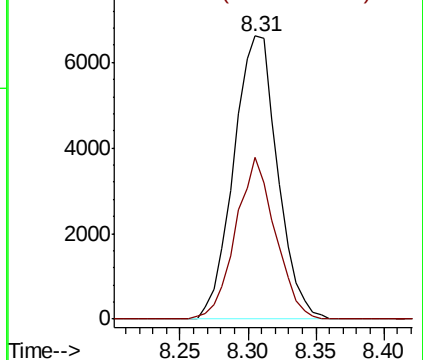
65 100

67 51.5 0.0 101.6



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. 0.00 min

Lab File: VW007513.D

Acq: 14 Dec 2018 04:08

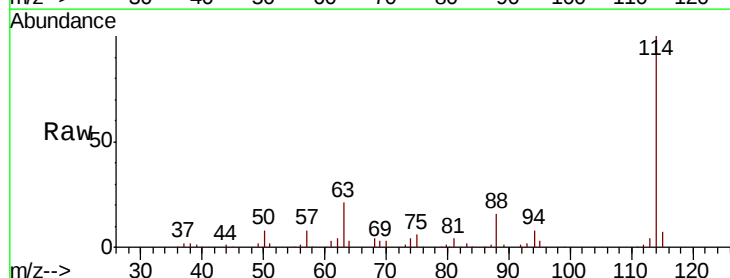
Tgt Ion: 114 Resp: 46510

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.6

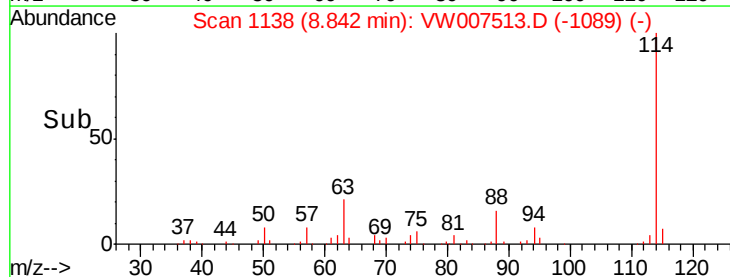
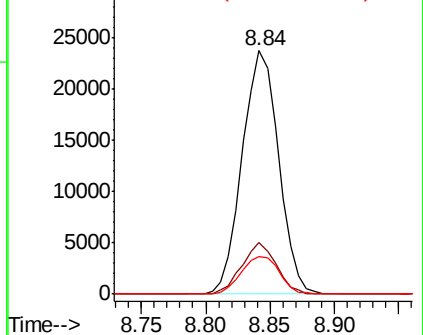
88 15.6 0.0 31.4

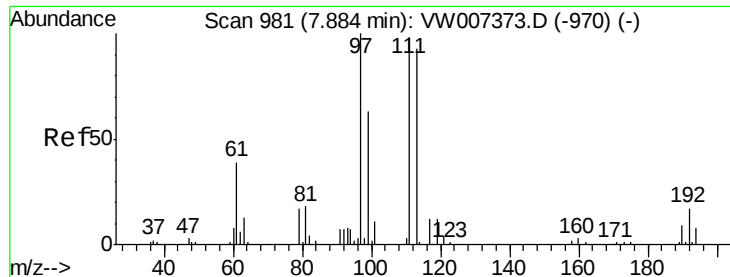


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

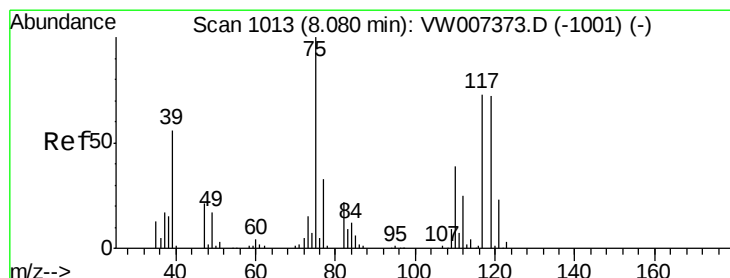
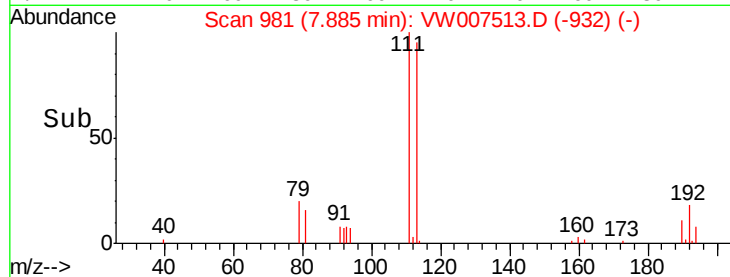
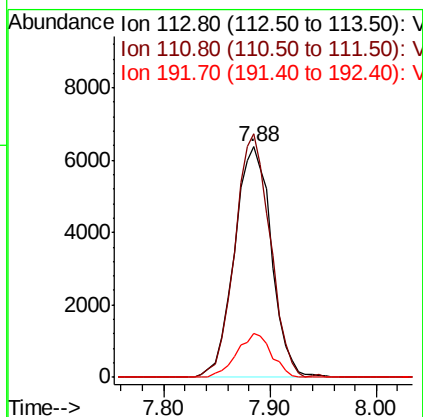
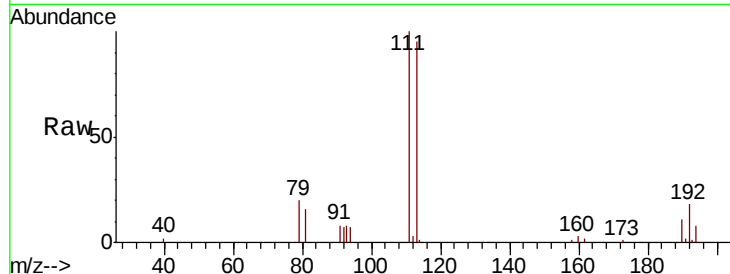




#35
 Dibromofluoromethane
 Concen: 55.217 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007513.D
 Acq: 14 Dec 2018 04:08

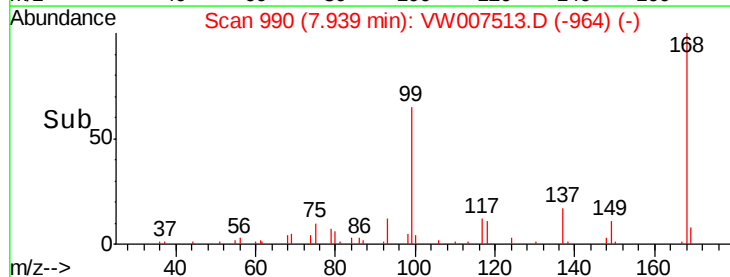
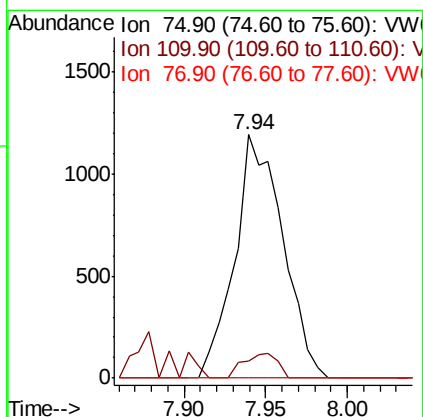
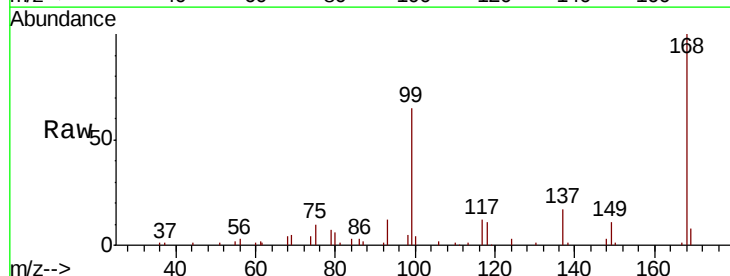
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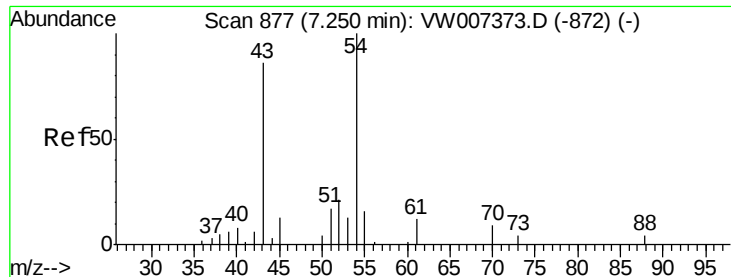
Tot Ion:113 Resp: 15546
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.1 121.7
 192 17.7 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 5.774 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW007513.D
 Acq: 14 Dec 2018 04:08

Tgt Ion: 75 Resp: 2450
 Ion Ratio Lower Upper
 75 100
 110 7.3 18.5 55.5#
 77 0.0 25.6 38.4#

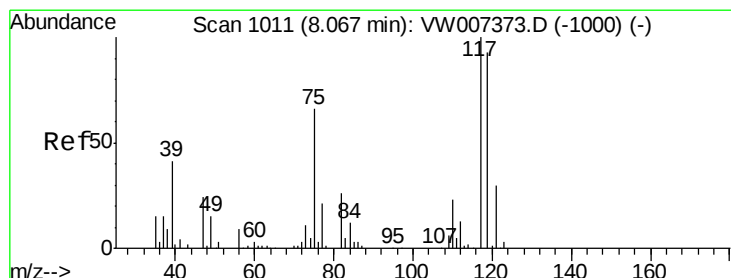
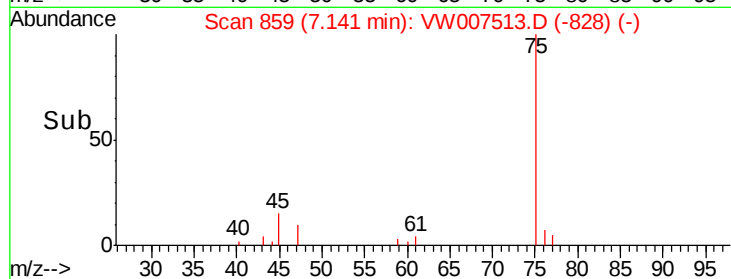
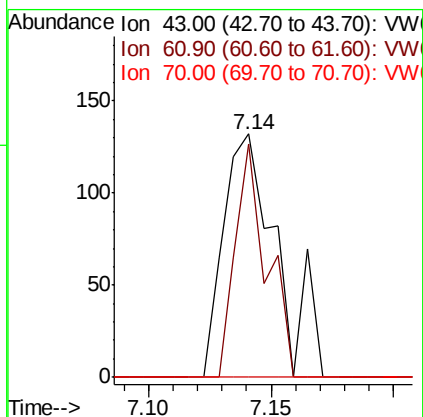
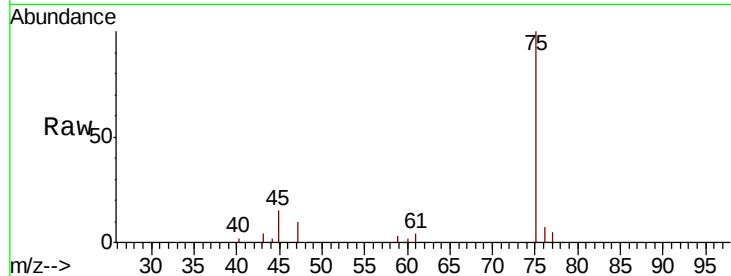




#37
Ethyl Acetate
Concen: 1.274 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.11 min
Lab File: VW007513.D
Acq: 14 Dec 2018 04:08

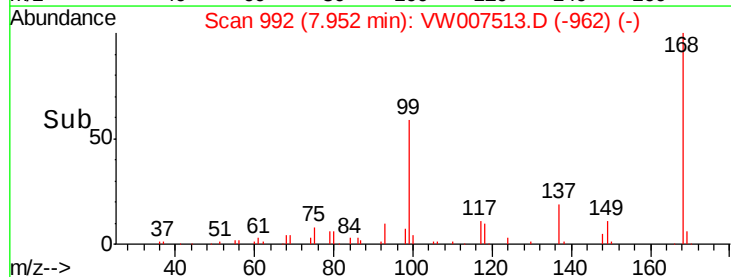
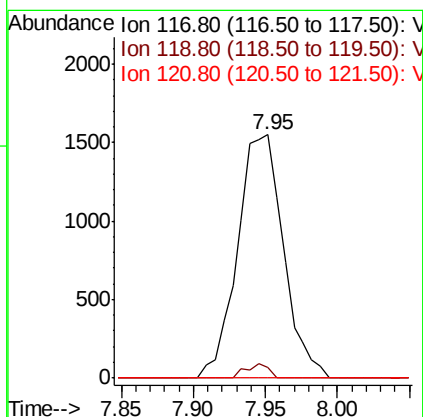
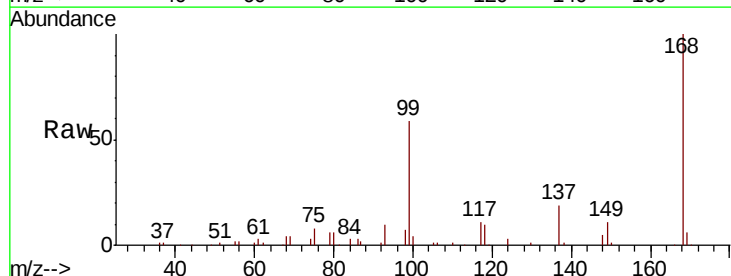
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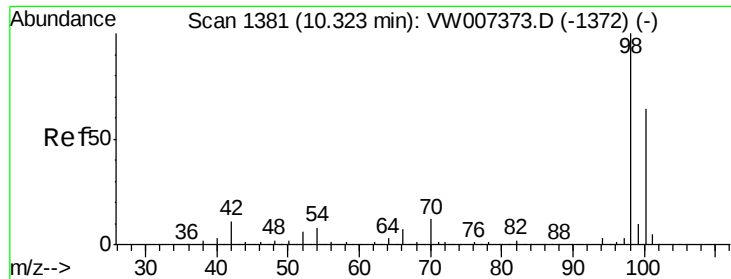
Tot Ion: 43 Resp: 201
Ion Ratio Lower Upper
43 100
61 56.2 12.1 18.1#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 7.419 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007513.D
Acq: 14 Dec 2018 04:08

Tgt Ion: 117 Resp: 3425
Ion Ratio Lower Upper
117 100
119 4.5 74.3 111.5#
121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 29.596 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007513.D

Acq: 14 Dec 2018 04:08

Instrument :

MSVOA_W

ClientSampleId :

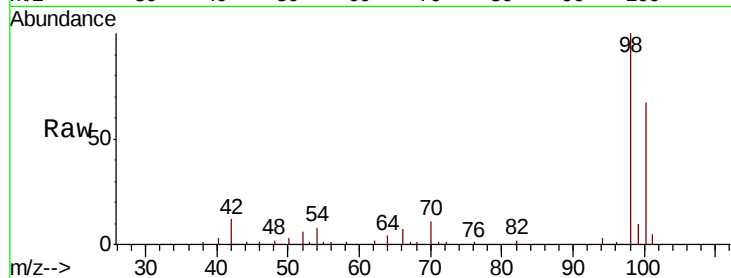
SB-05ARE

Tot Ion: 98 Resp: 31243

Ion Ratio Lower Upper

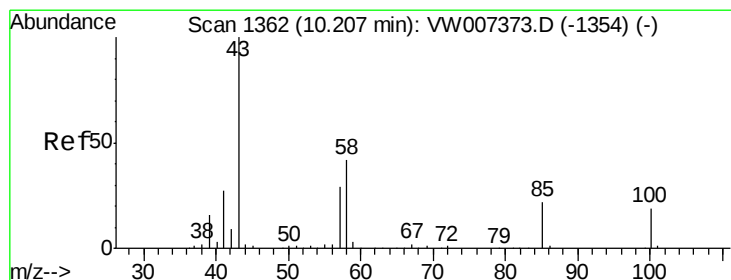
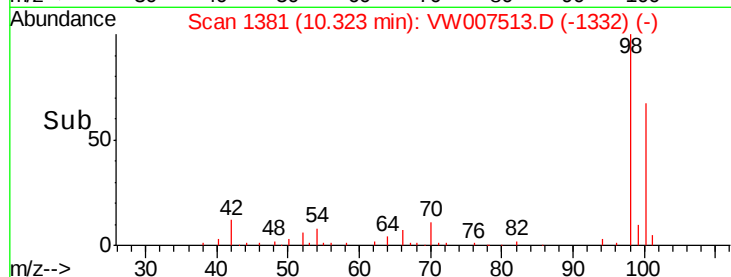
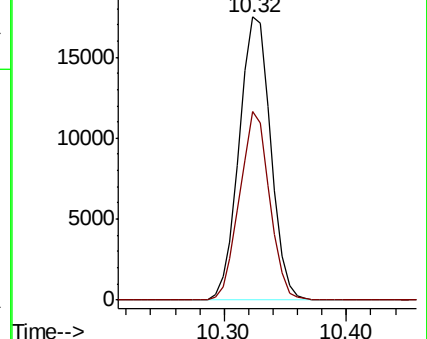
98 100

100 63.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 2.193 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007513.D

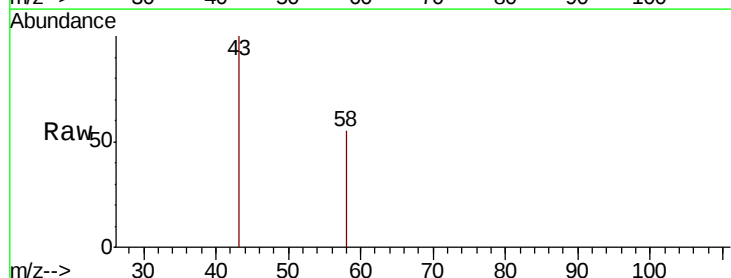
Acq: 14 Dec 2018 04:08

Tgt Ion: 43 Resp: 323

Ion Ratio Lower Upper

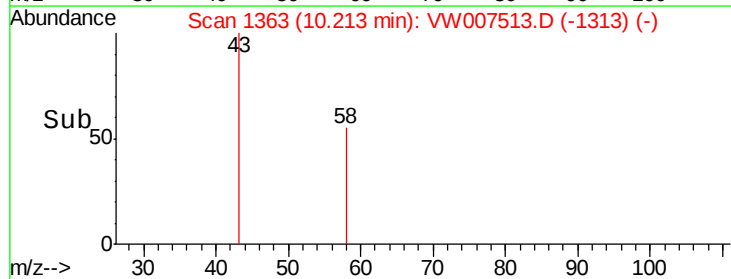
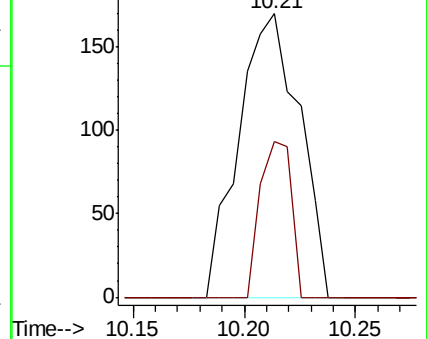
43 100

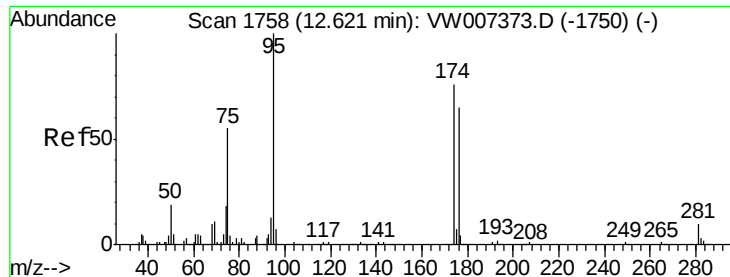
58 28.5 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 9.317 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007513.D

Acq: 14 Dec 2018 04:08

Instrument :

MSVOA_W

ClientSampleId :

SB-05ARE

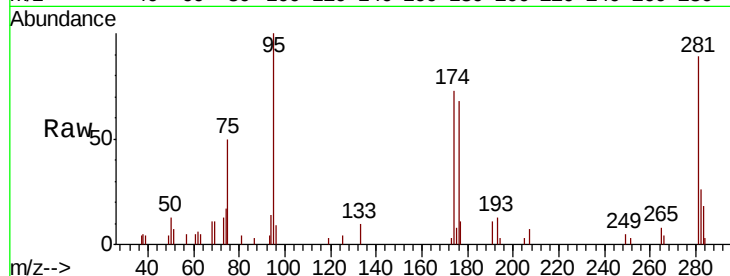
Tot Ion: 95 Resp: 3616

Ion Ratio Lower Upper

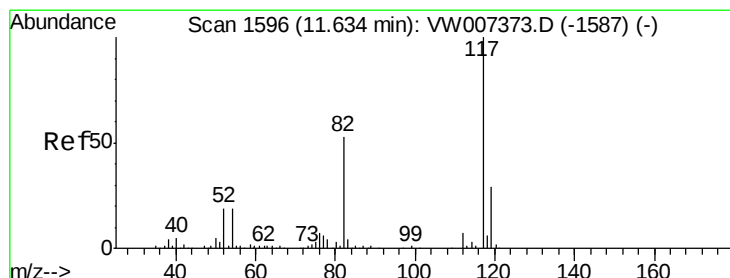
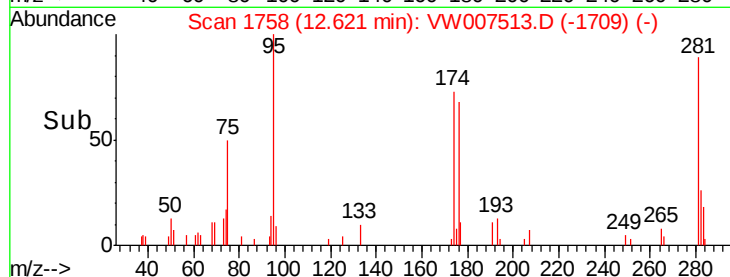
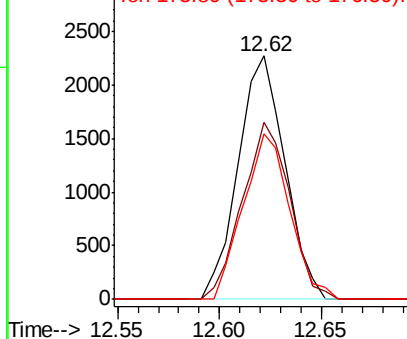
95 100

174 73.5 0.0 147.2

176 67.9 0.0 138.8



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: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW007513.D

Acq: 14 Dec 2018 04:08

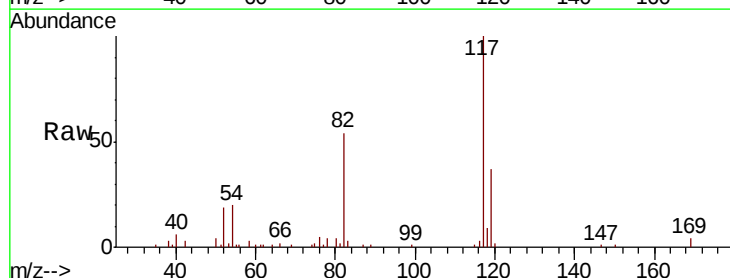
Tgt Ion: 117 Resp: 18208

Ion Ratio Lower Upper

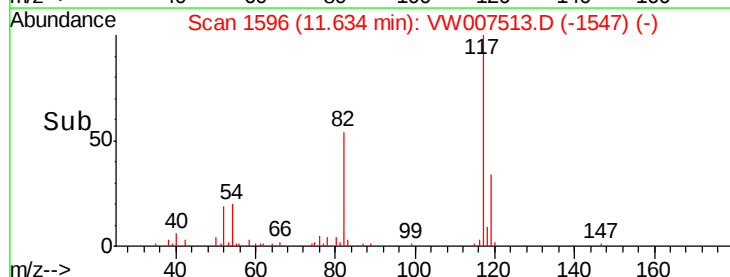
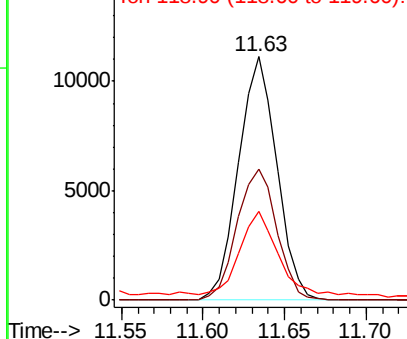
117 100

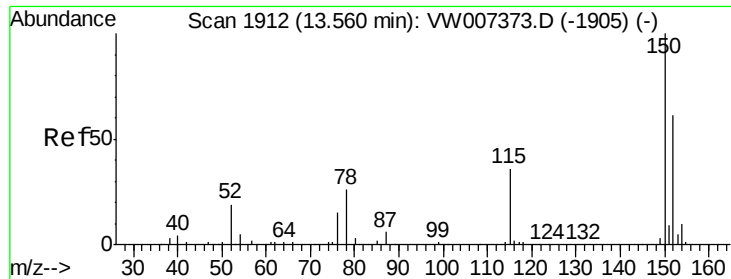
82 53.6 42.3 63.5

119 34.4 23.0 34.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007513.D

Acq: 14 Dec 2018 04:08

Instrument :

MSVOA_W

ClientSampleId :

SB-05ARE

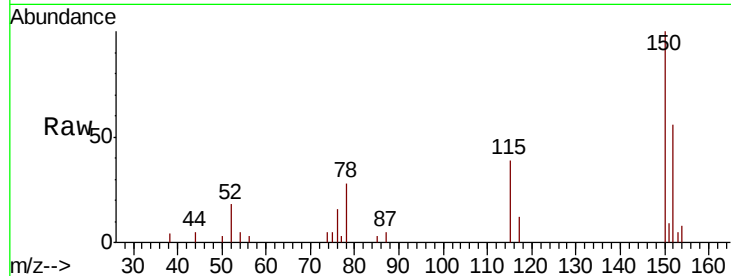
Tot Ion:152 Resp: 2053

Ion Ratio Lower Upper

152 100

115 67.1 31.4 94.2

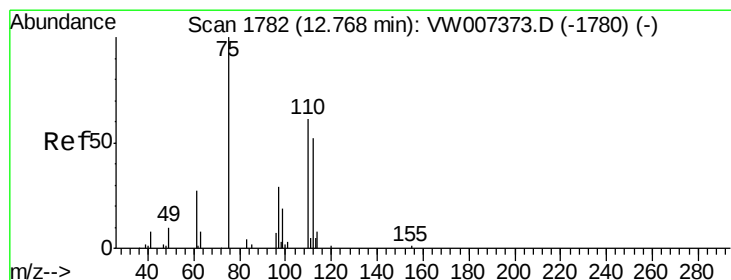
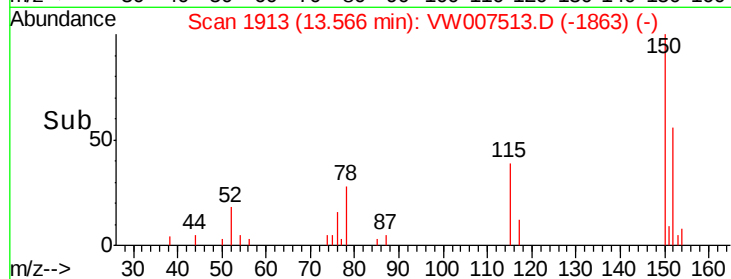
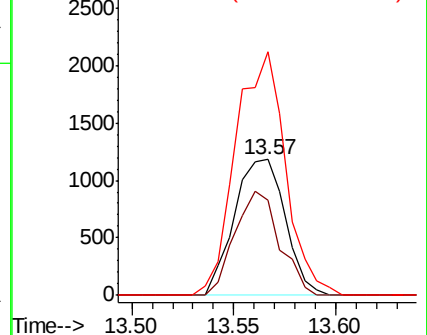
150 174.8 0.0 358.4



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: 111.298 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007513.D

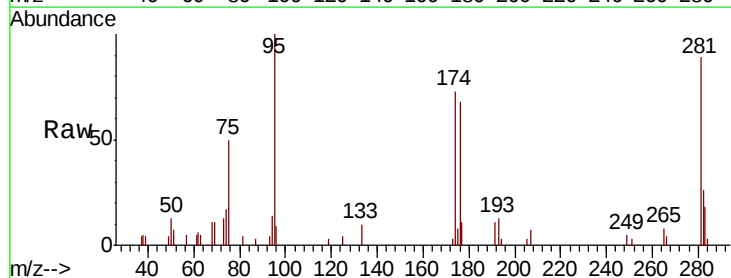
Acq: 14 Dec 2018 04:08

Tgt Ion: 75 Resp: 1884

Ion Ratio Lower Upper

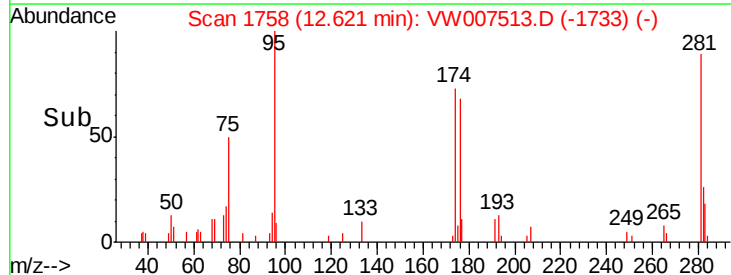
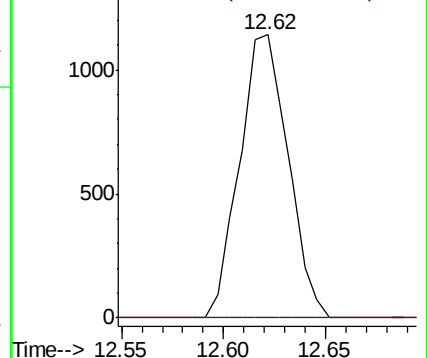
75 100

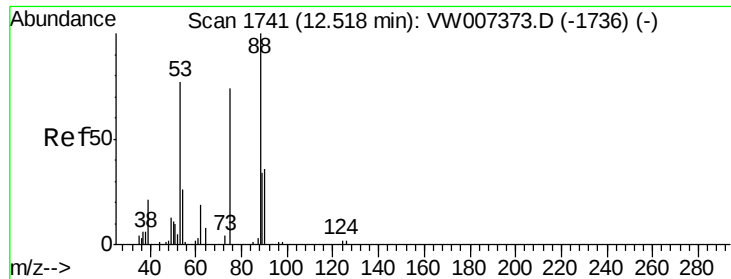
77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 245.858 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007513.D

Acq: 14 Dec 2018 04:08

Instrument :

MSVOA_W

ClientSampleId :

SB-05ARE

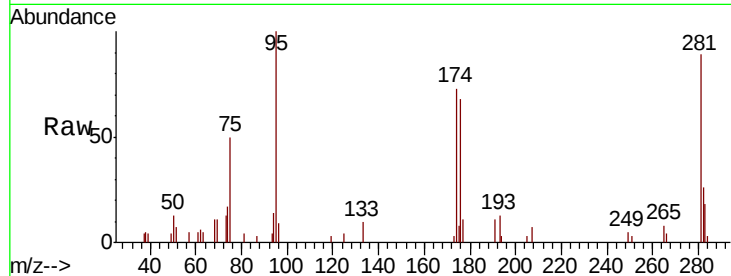
Tot Ion: 75 Resp: 1884

Ion Ratio Lower Upper

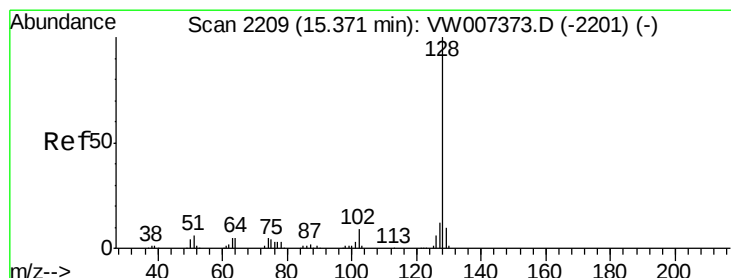
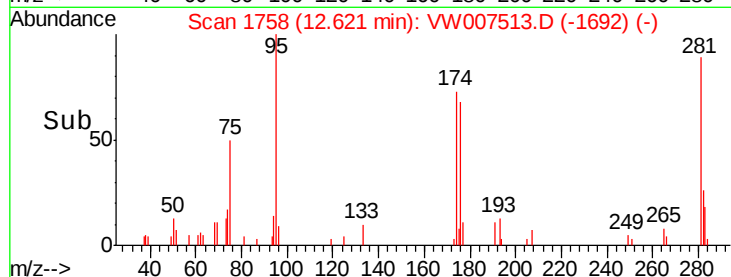
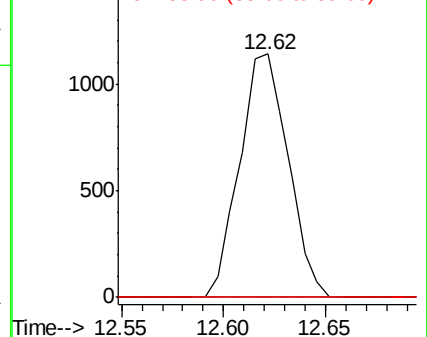
75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 1.391 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007513.D

Acq: 14 Dec 2018 04:08

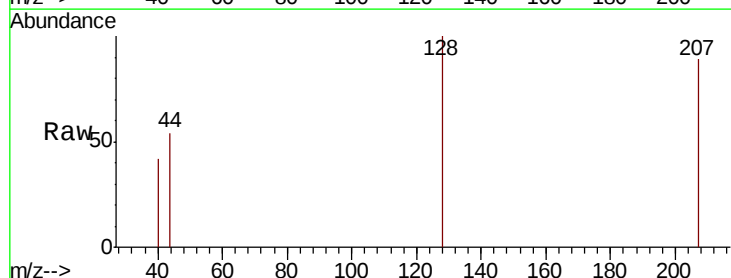
Tgt Ion: 128 Resp: 114

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

