

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112818\
 Data File : VW007125.D
 Acq On : 28 Nov 2018 20:13
 Operator : VAY/AP
 Sample : J5767-21
 Misc : 6.02G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-112818-C

Quant Time: Nov 29 04:38:18 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

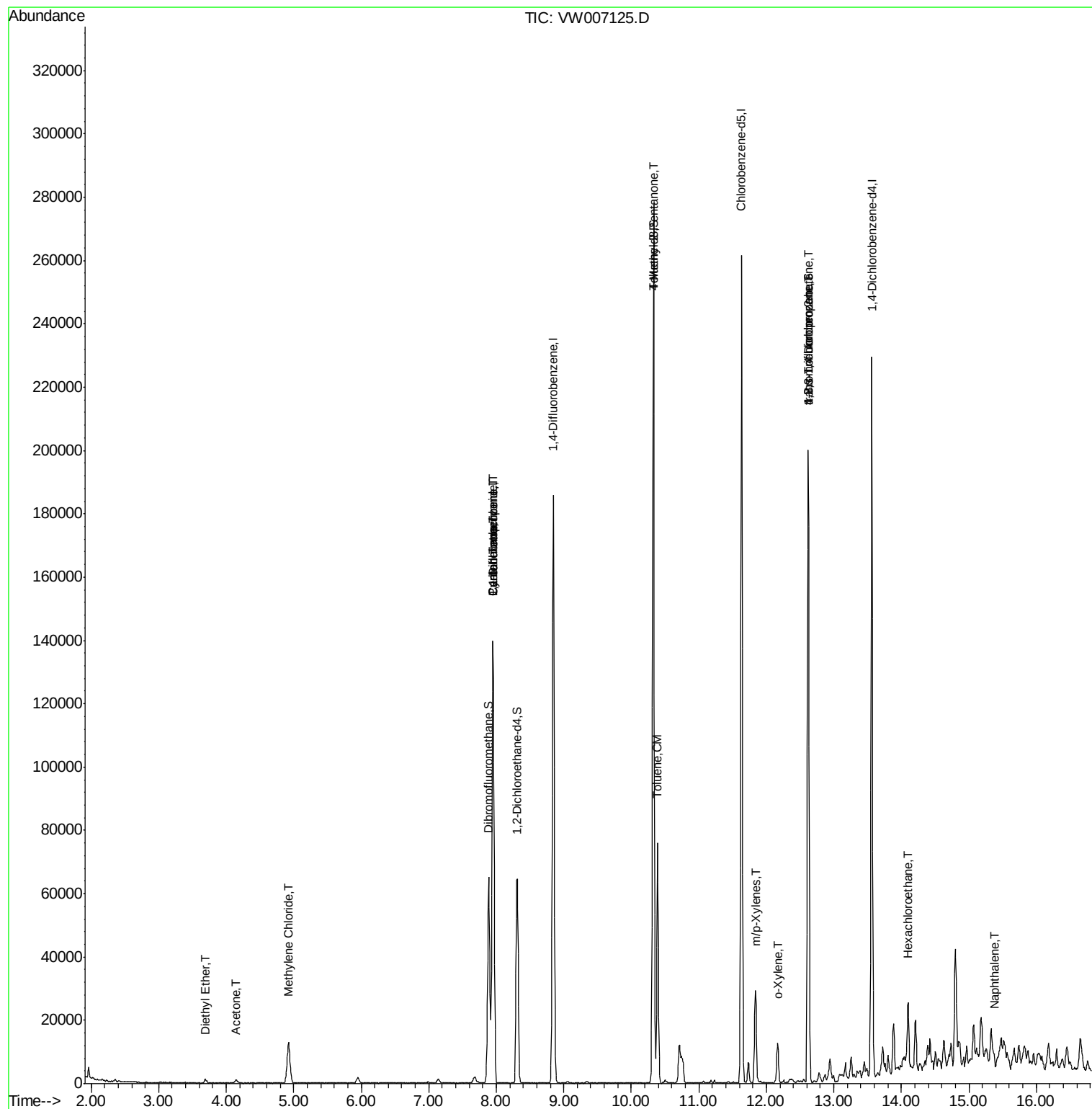
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	102154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	162212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	145468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59811	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52820	52.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.62%	
35) Dibromofluoromethane	7.89	113	47704	52.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.16%	
50) Toluene-d8	10.33	98	190531	47.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.62	95	67410	42.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.70%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.69	74	614	1.172	ug/l	87
16) Acetone	4.15	43	1918	13.209	ug/l #	82
20) Methylene Chloride	4.92	84	10325	3.949	ug/l	91
31) Cyclohexane	7.95	56	1928	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7606	4.798	ug/l #	50
38) Carbon Tetrachloride	7.95	117	10728	7.068	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	766	1.385	ug/l #	1
52) Toluene	10.39	92	31726	10.895	ug/l	99
68) m/p-Xylenes	11.84	106	9187	4.198	ug/l	100
69) o-Xylene	12.17	106	3414	1.655	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	32821	69.833	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	32821	175.323	ug/l #	10
90) Hexachloroethane	14.10	117	1218	1.923	ug/l #	14
95) Naphthalene	15.38	128	3360	1.572	ug/l #	92

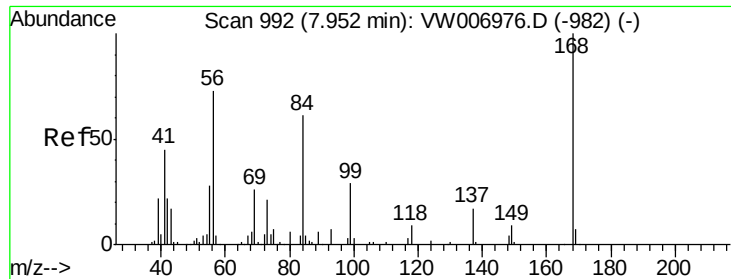
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007125.D

Acq: 28 Nov 2018 20:13

Instrument :

MSVOA_W

ClientSampleId :

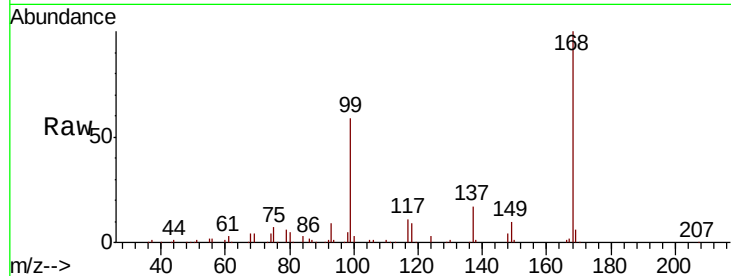
CL-02-112818-C

Tot Ion:168 Resp: 102154

Ion Ratio Lower Upper

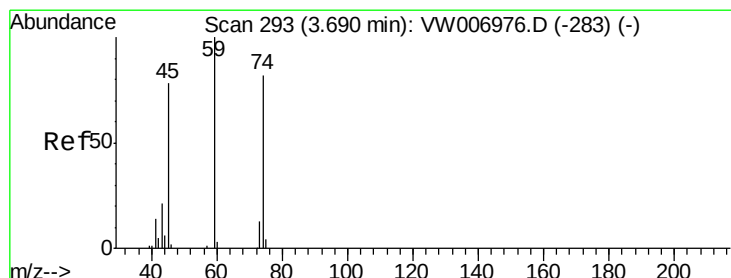
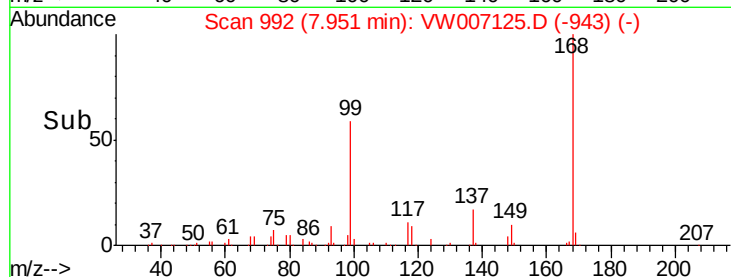
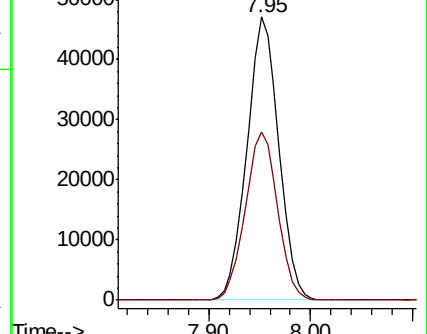
168 100

99 59.3 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: 1.172 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW007125.D

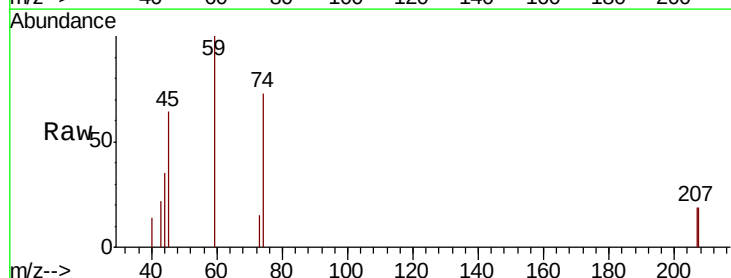
Acq: 28 Nov 2018 20:13

Tgt Ion: 74 Resp: 614

Ion Ratio Lower Upper

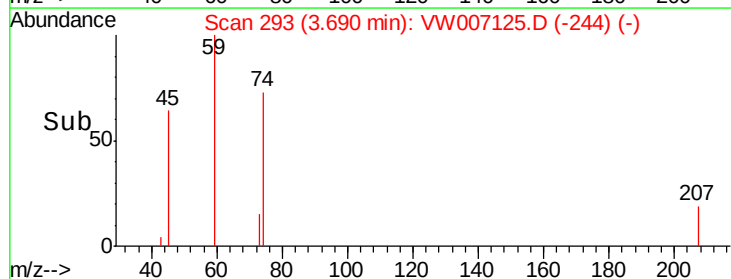
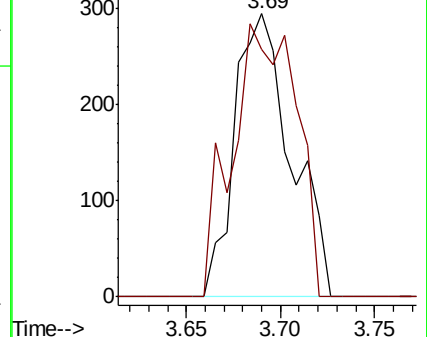
74 100

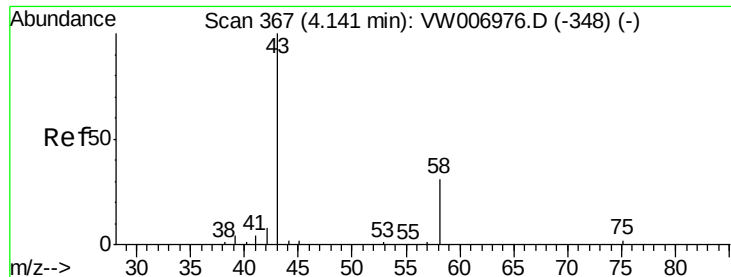
45 109.9 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 13.209 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW007125.D

Acq: 28 Nov 2018 20:13

Instrument :

MSVOA_W

ClientSampleId :

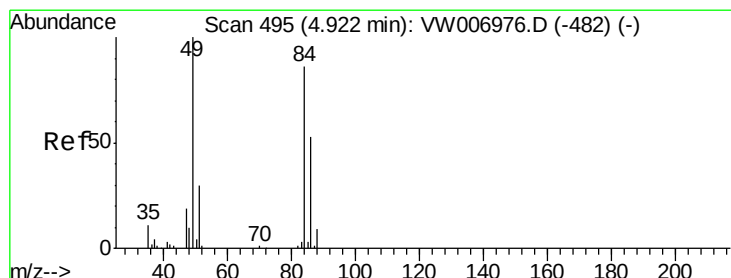
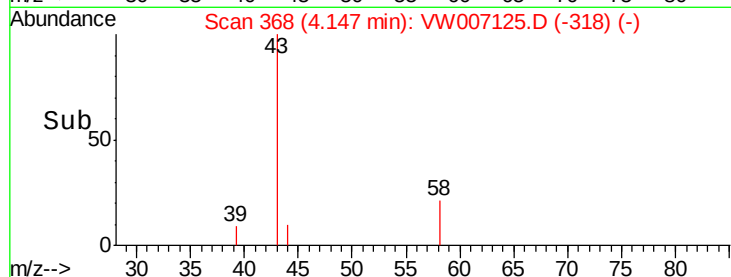
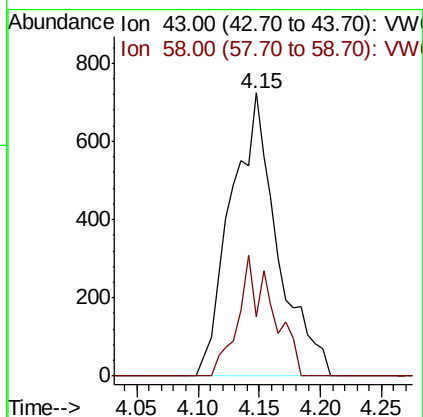
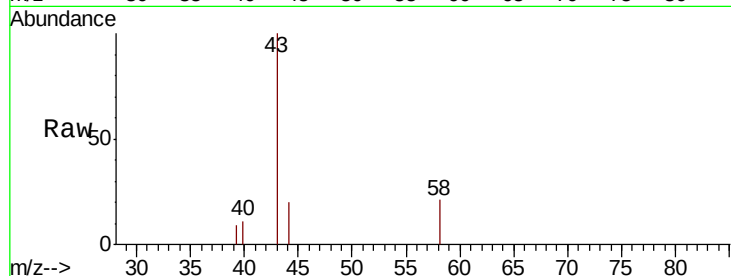
CL-02-112818-C

Tot Ion: 43 Resp: 1918

Ion Ratio Lower Upper

43 100

58 21.2 24.8 37.2#



#20

Methylene Chloride

Concen: 3.949 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007125.D

Acq: 28 Nov 2018 20:13

Tgt Ion: 84 Resp: 10325

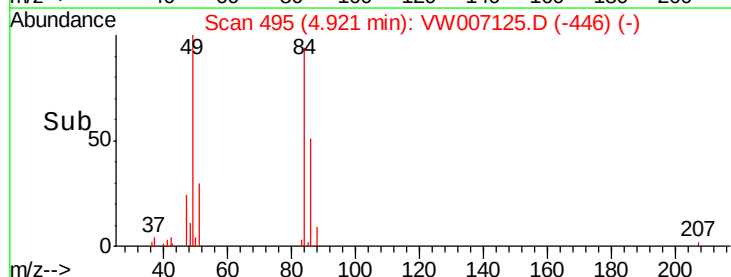
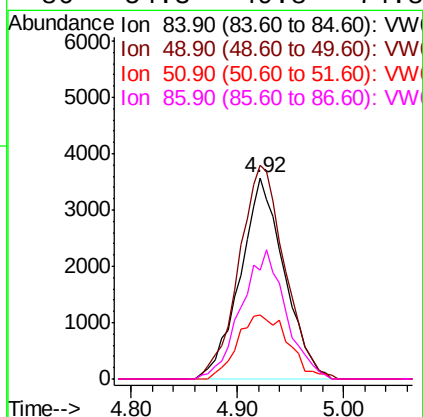
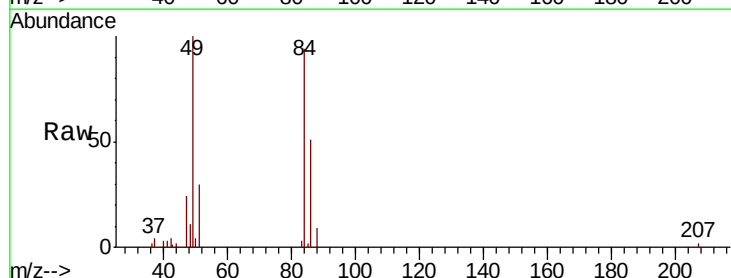
Ion Ratio Lower Upper

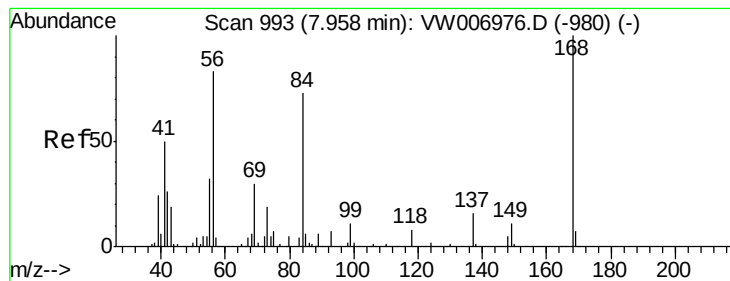
84 100

49 106.2 93.4 140.0

51 32.0 28.4 42.6

86 54.3 49.8 74.8





#31

Cyclohexane

Concen: 1.001 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007125.D

Acq: 28 Nov 2018 20:13

Instrument :

MSVOA_W

ClientSampleId :

CL-02-112818-C

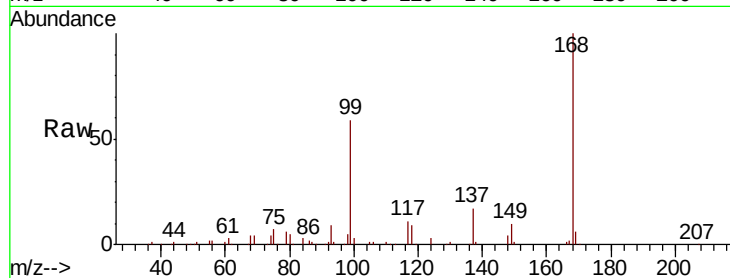
Tot Ion: 56 Resp: 1928

Ion Ratio Lower Upper

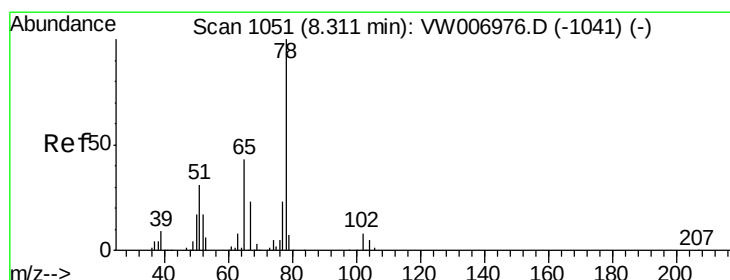
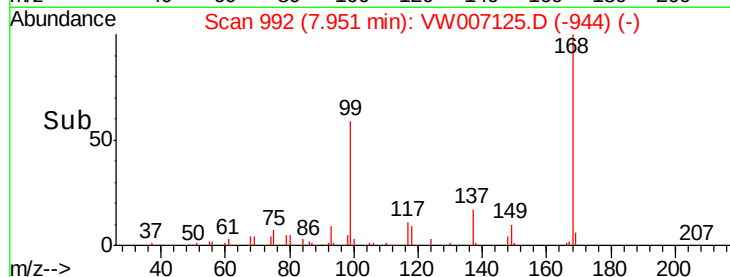
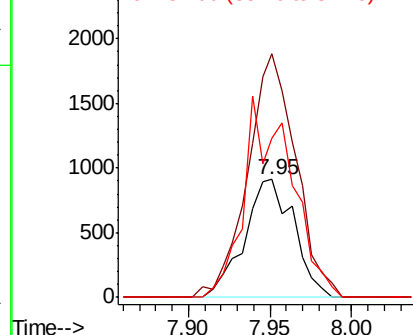
56 100

69 206.5 29.1 43.7#

84 134.6 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: 52.814 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW007125.D

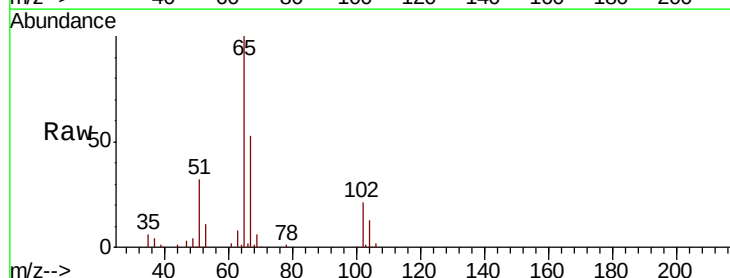
Acq: 28 Nov 2018 20:13

Tgt Ion: 65 Resp: 52820

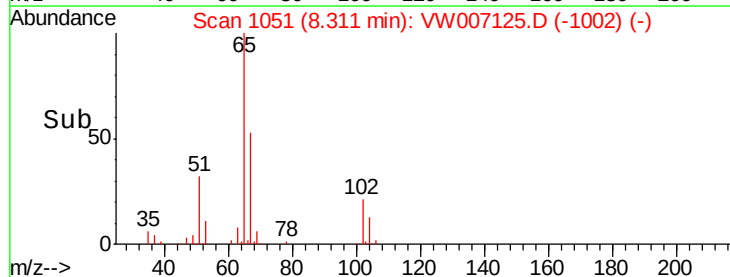
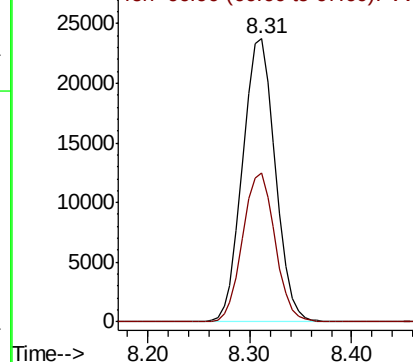
Ion Ratio Lower Upper

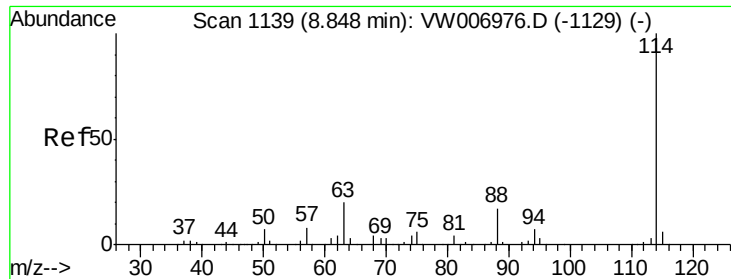
65 100

67 52.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

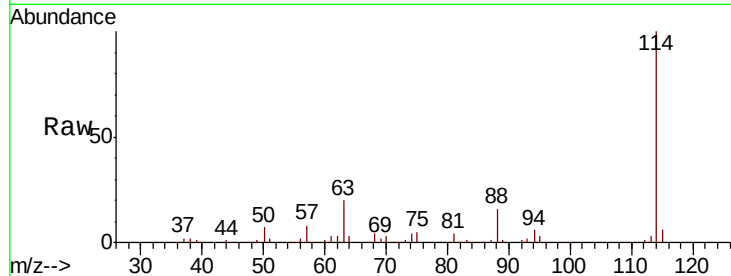




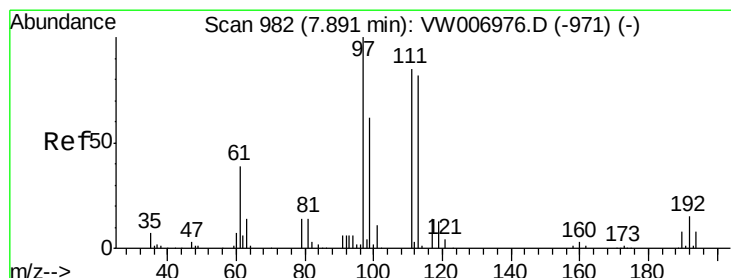
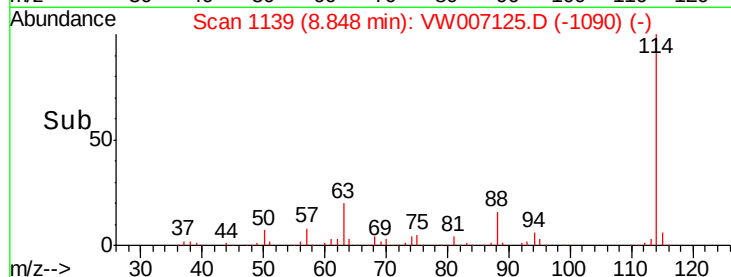
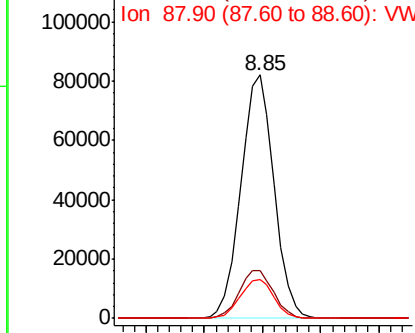
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VW007125.D
Acq: 28 Nov 2018 20:13

Instrument :
MSVOA_W
ClientSampleId :
CL-02-112818-C

Tot Ion:114 Resp: 162212
Ion Ratio Lower Upper
114 100
63 19.6 0.0 39.4
88 15.7 0.0 34.2

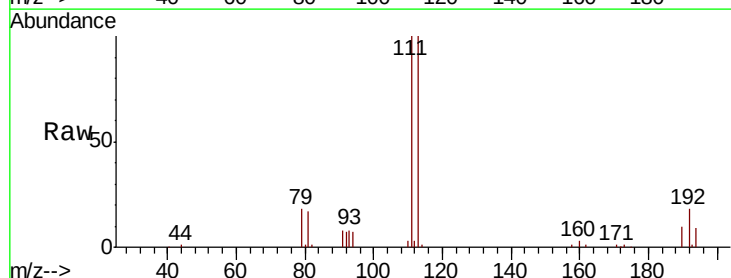


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

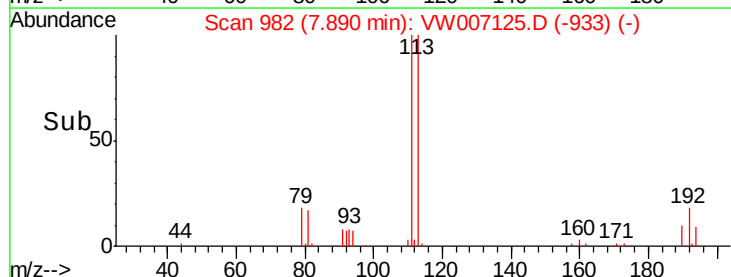
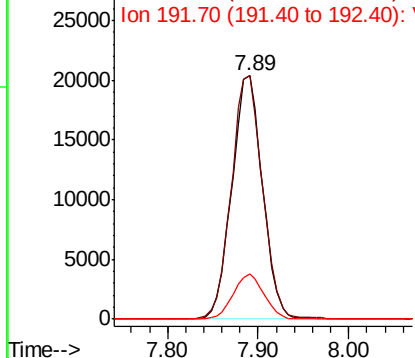


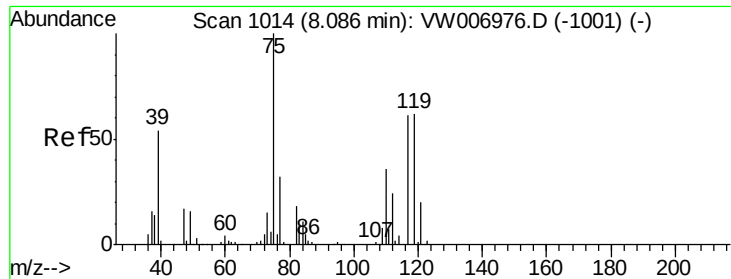
#35
Dibromofluoromethane
Concen: 52.076 ug/l
RT: 7.89 min Scan# 982
Delta R.T. -0.00 min
Lab File: VW007125.D
Acq: 28 Nov 2018 20:13

Tgt Ion:113 Resp: 47704
Ion Ratio Lower Upper
113 100
111 101.7 81.0 121.6
192 18.5 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

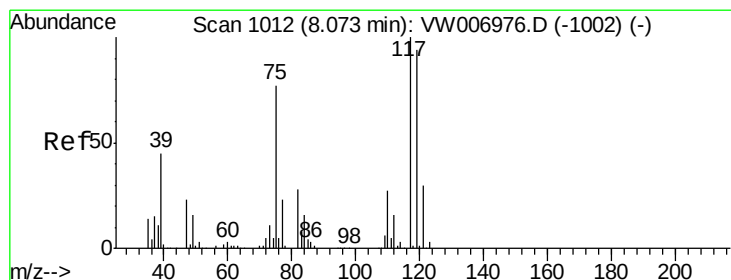
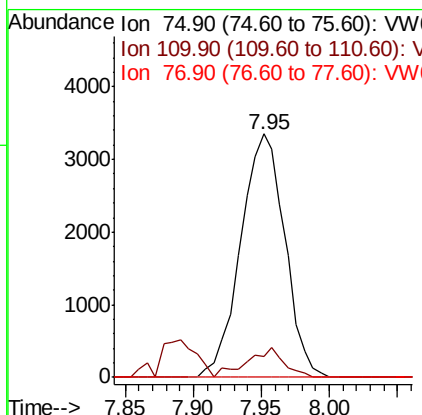
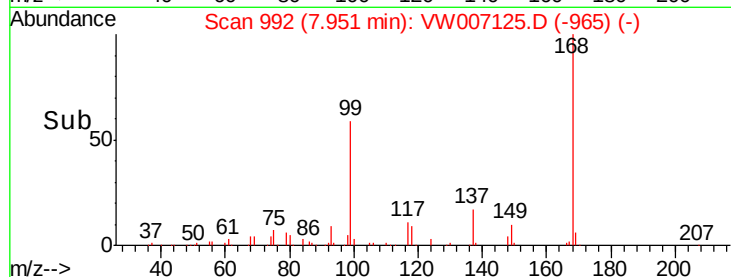
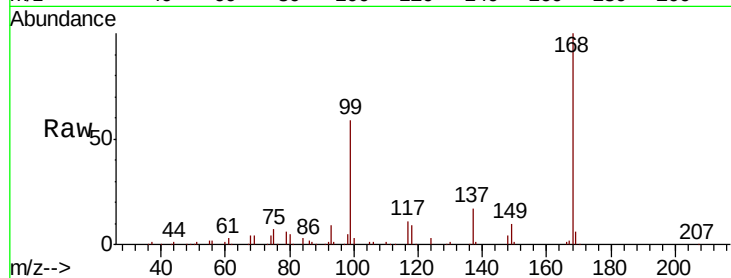




#36
 1,1-Dichloropropene
 Concen: 4.798 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007125.D
 Acq: 28 Nov 2018 20:13

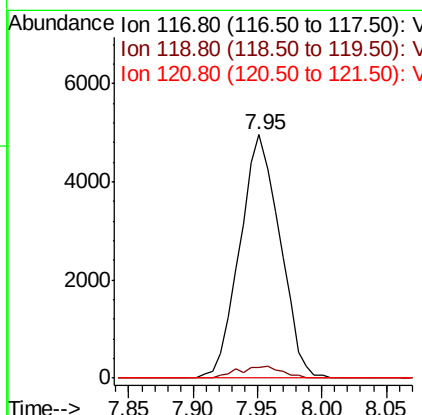
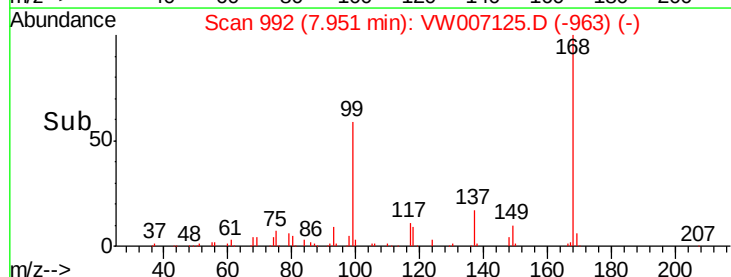
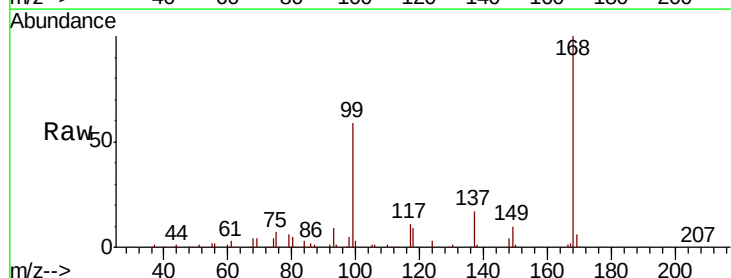
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-112818-C

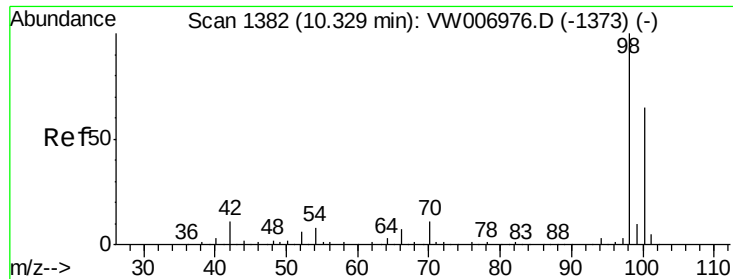
Tot Ion: 75 Resp: 7606
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.0 54.0#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 7.068 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007125.D
 Acq: 28 Nov 2018 20:13

Tgt Ion: 117 Resp: 10728
 Ion Ratio Lower Upper
 117 100
 119 4.5 74.9 112.3#
 121 0.0 23.6 35.4#





#50

Toluene-d8

Concen: 47.101 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007125.D

Acq: 28 Nov 2018 20:13

Instrument :

MSVOA_W

ClientSampleId :

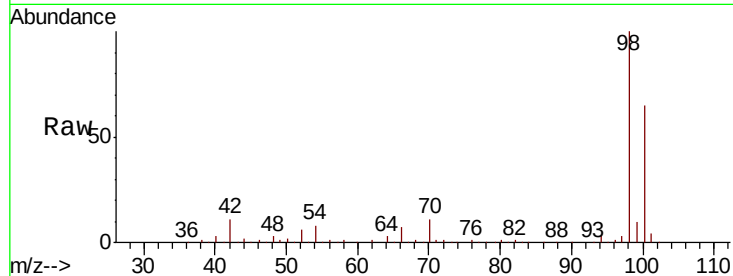
CL-02-112818-C

Tot Ion: 98 Resp: 190531

Ion Ratio Lower Upper

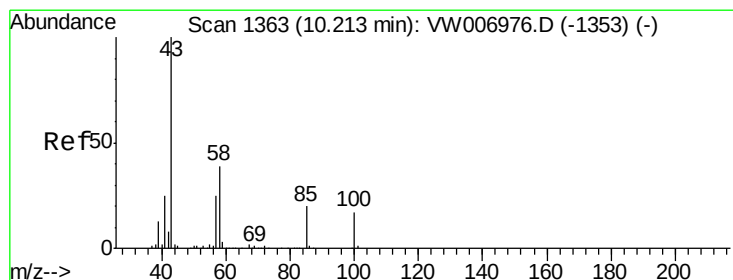
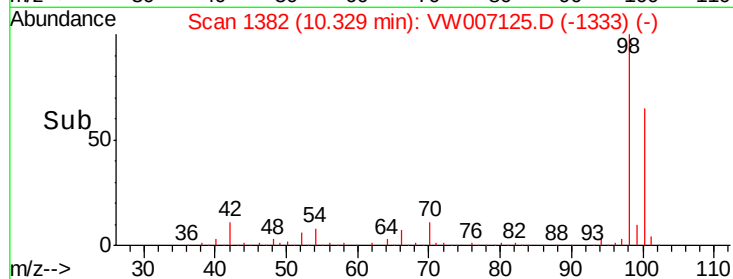
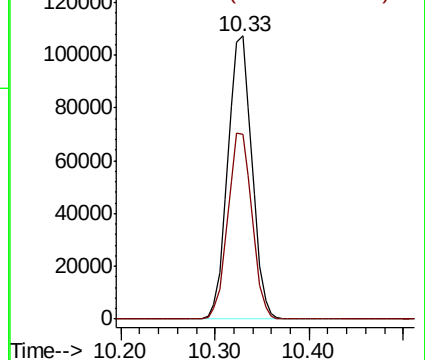
98 100

100 65.9 52.2 78.2



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: 1.385 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW007125.D

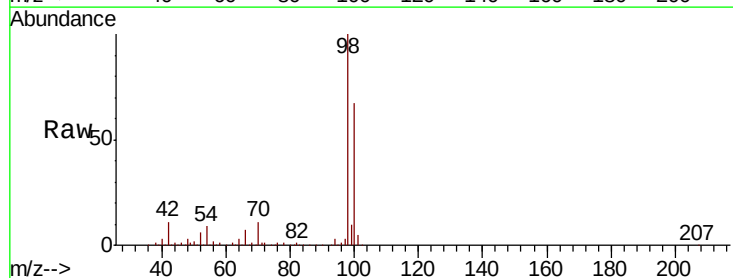
Acq: 28 Nov 2018 20:13

Tgt Ion: 43 Resp: 766

Ion Ratio Lower Upper

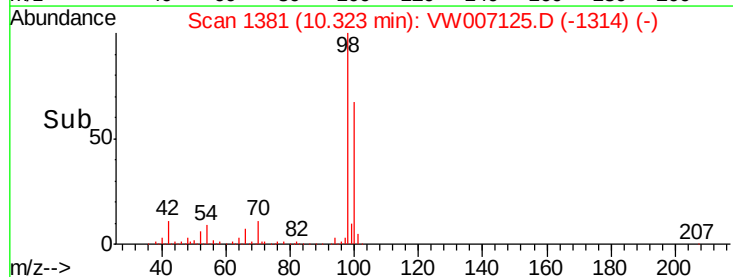
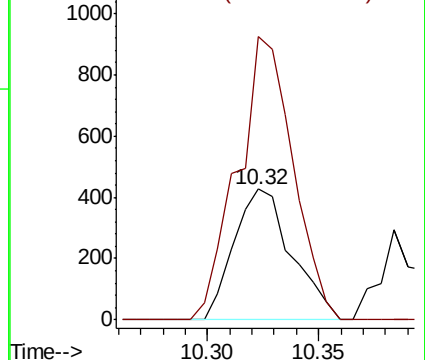
43 100

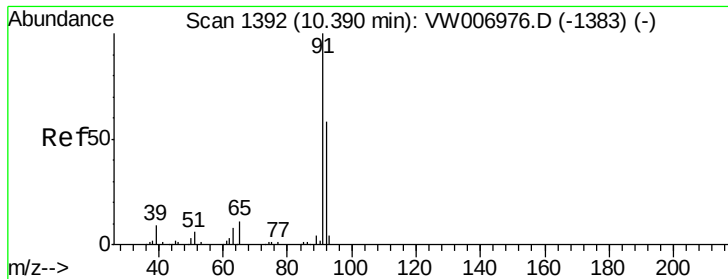
58 209.4 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 10.895 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007125.D

Acq: 28 Nov 2018 20:13

Instrument :

MSVOA_W

ClientSampleId :

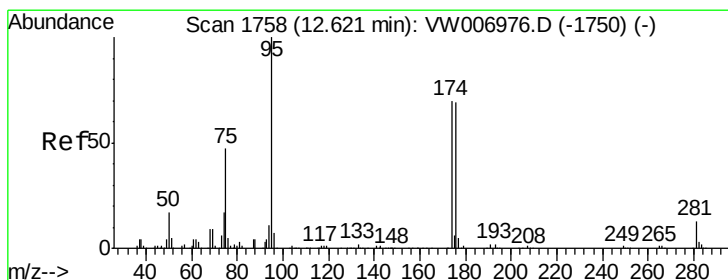
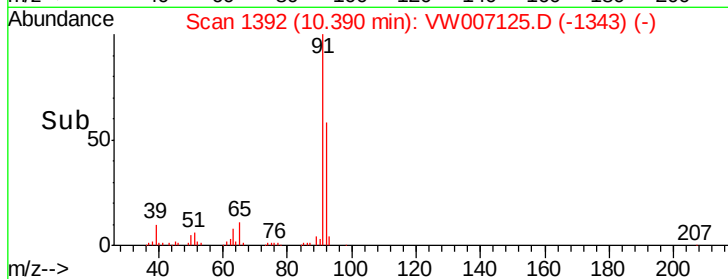
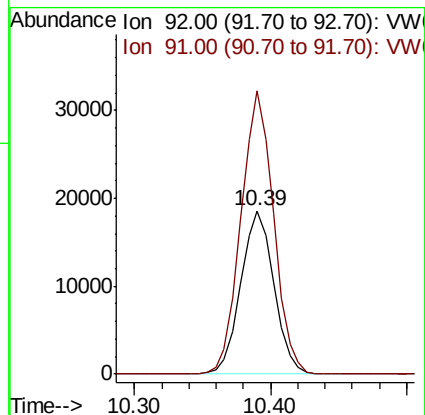
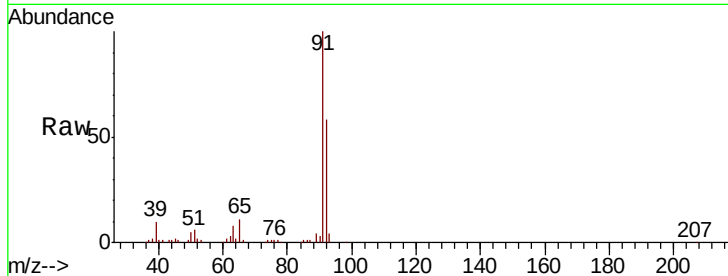
CL-02-112818-C

Tot Ion: 92 Resp: 31726

Ion Ratio Lower Upper

92 100

91 170.4 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 42.347 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007125.D

Acq: 28 Nov 2018 20:13

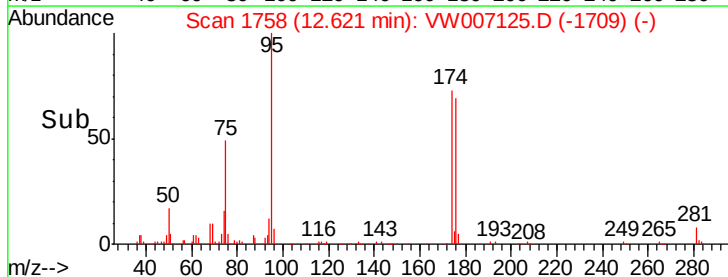
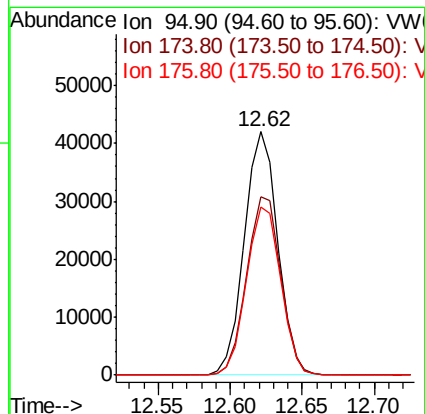
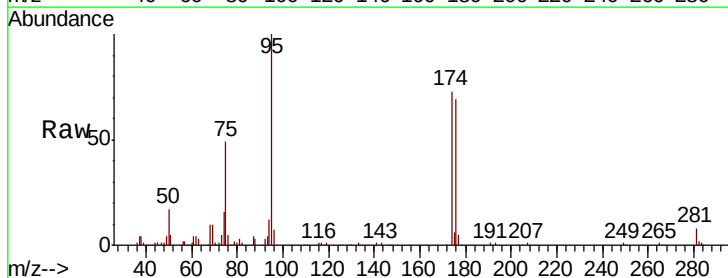
Tgt Ion: 95 Resp: 67410

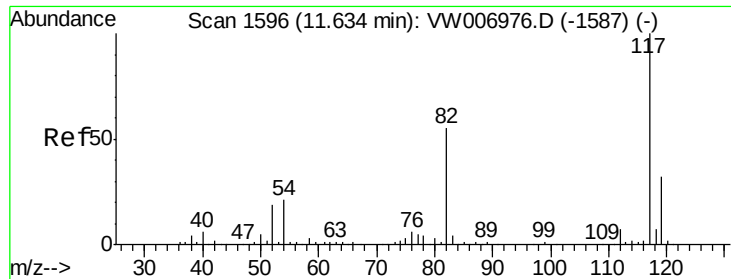
Ion Ratio Lower Upper

95 100

174 74.9 0.0 143.6

176 71.0 0.0 140.4

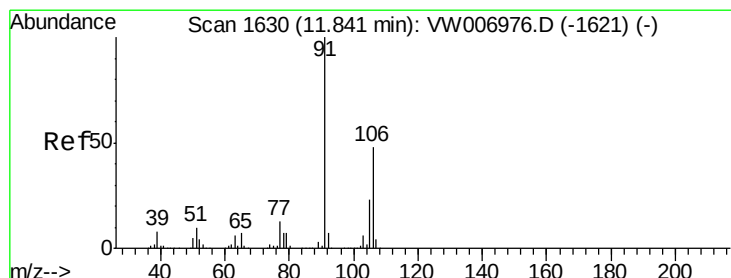
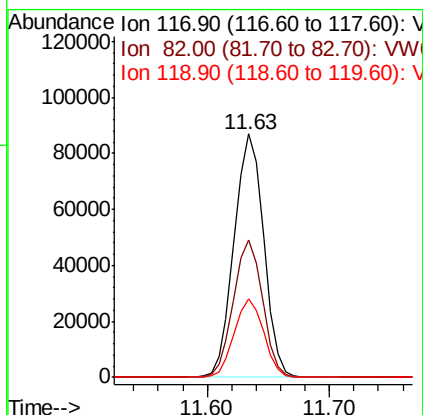
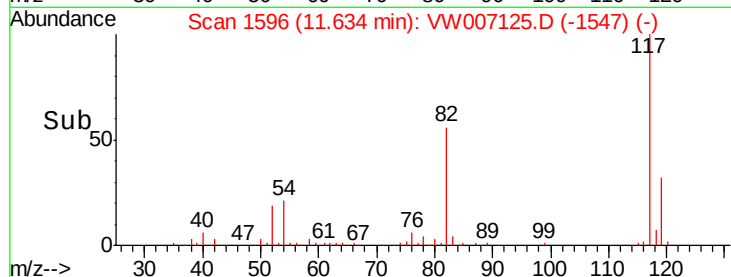
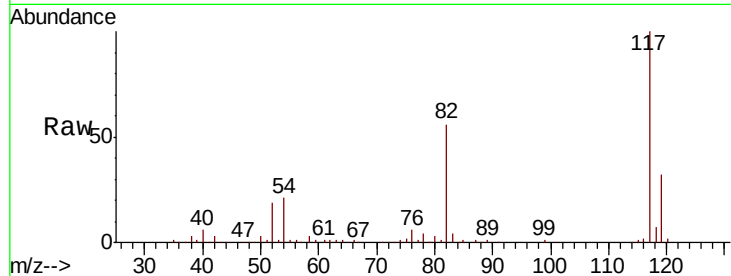




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007125.D
Acq: 28 Nov 2018 20:13

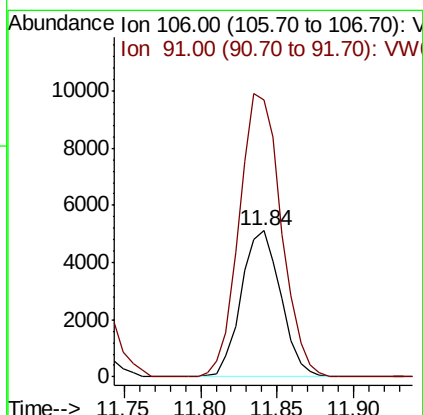
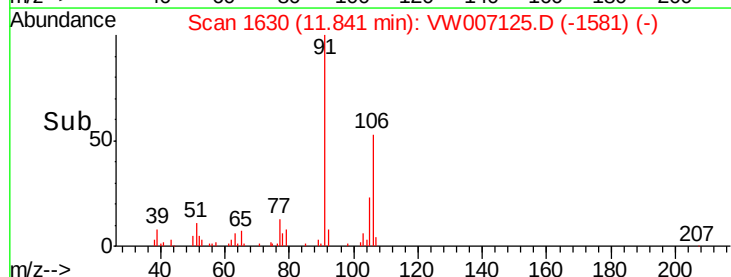
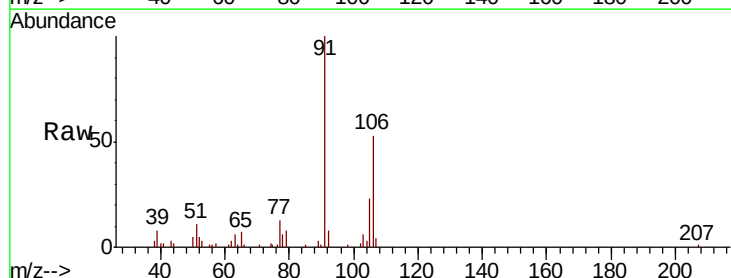
Instrument :
MSVOA_W
ClientSampleId :
CL-02-112818-C

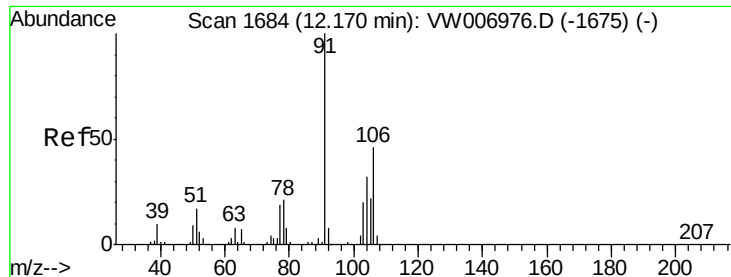
Tot Ion:117 Resp: 145468
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 32.2 25.9 38.9



#68
m/p-Xylenes
Concen: 4.198 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007125.D
Acq: 28 Nov 2018 20:13

Tgt Ion:106 Resp: 9187
Ion Ratio Lower Upper
106 100
91 206.0 164.8 247.2

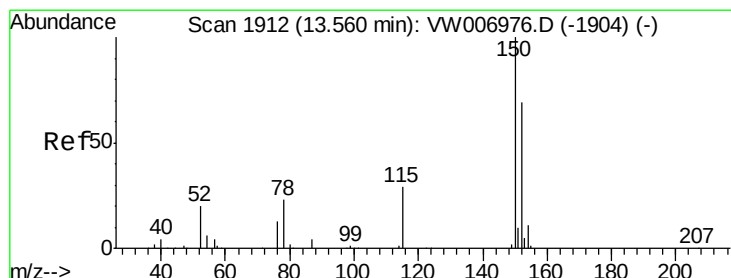
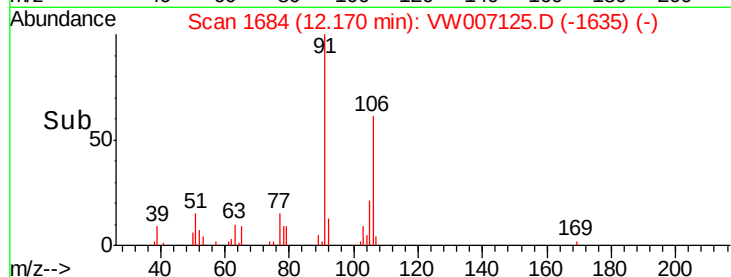
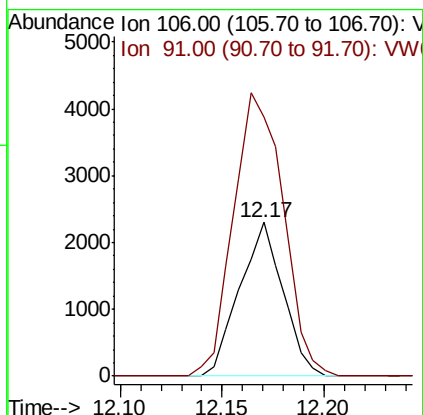
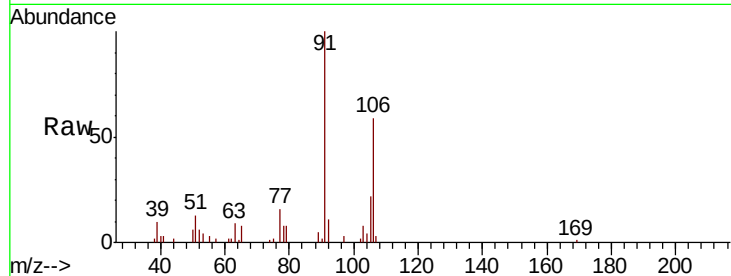




#69
o-Xylene
Concen: 1.655 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007125.D
Acq: 28 Nov 2018 20:13

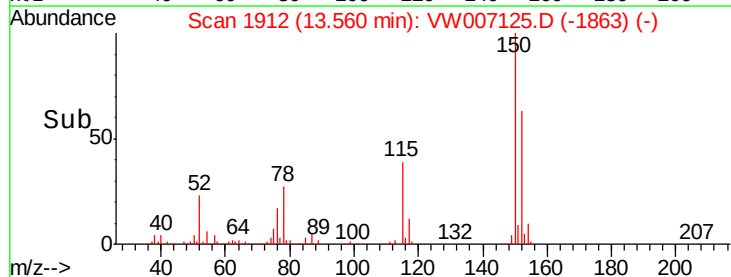
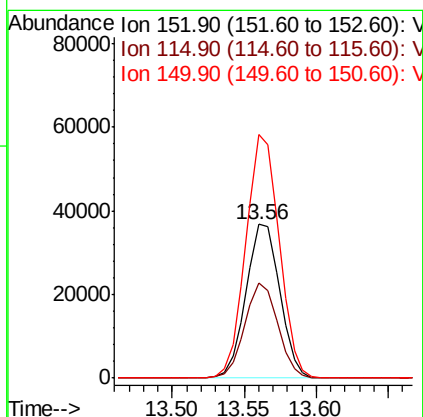
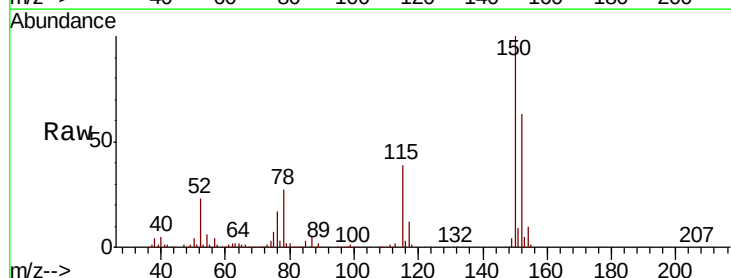
Instrument :
MSVOA_W
ClientSampleId :
CL-02-112818-C

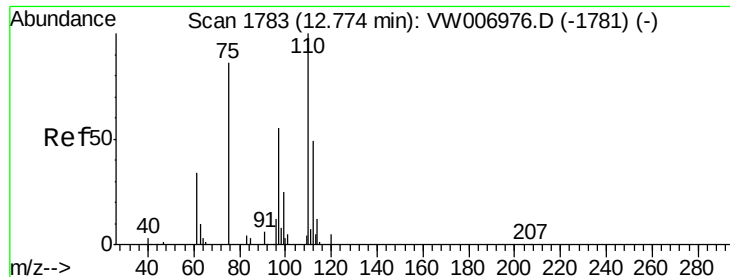
Tot Ion:106 Resp: 3414
Ion Ratio Lower Upper
106 100
91 210.3 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007125.D
Acq: 28 Nov 2018 20:13

Tgt Ion:152 Resp: 59811
Ion Ratio Lower Upper
152 100
115 60.9 31.4 94.2
150 155.7 0.0 353.4

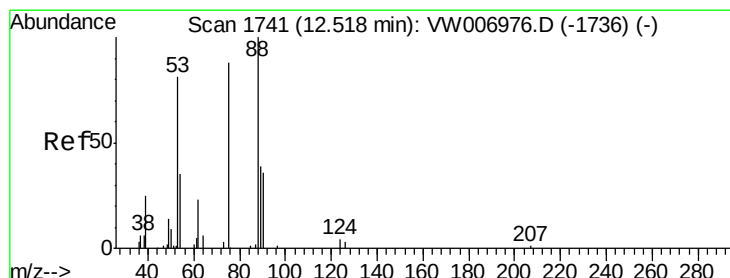
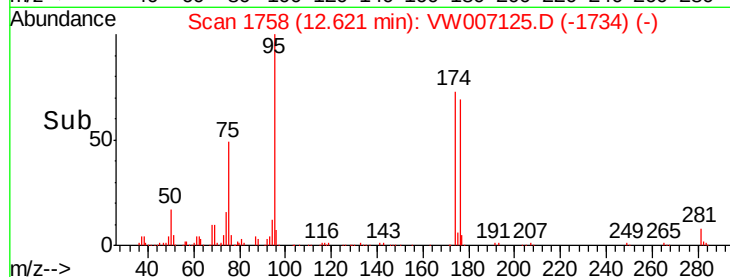
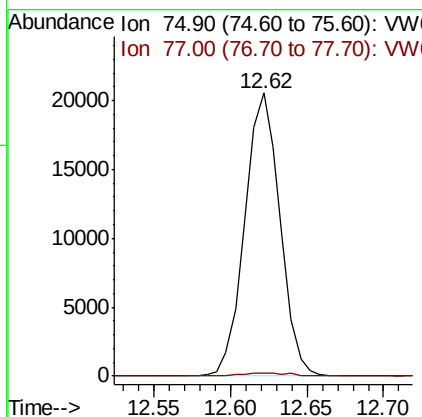
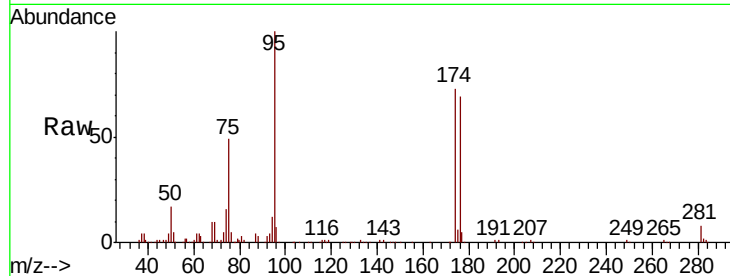




#76
 1,2,3-Trichloropropane
 Concen: 69.833 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007125.D
 Acq: 28 Nov 2018 20:13

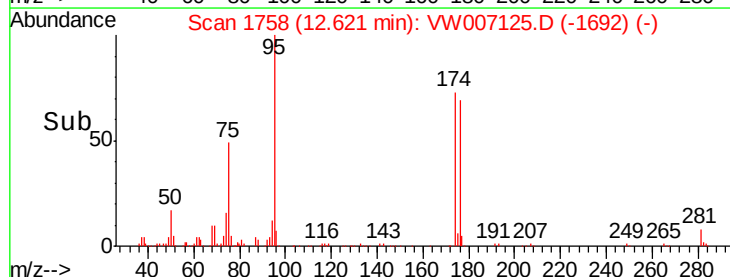
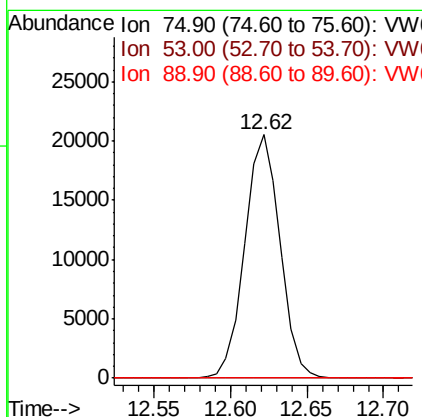
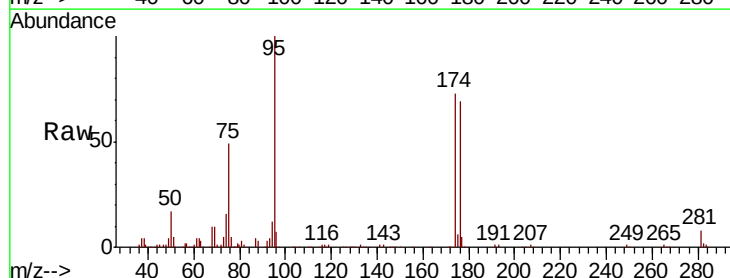
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-112818-C

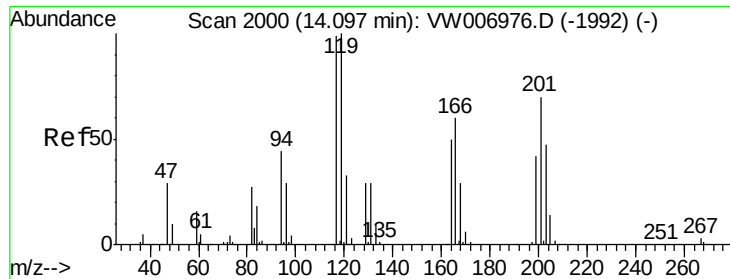
Tot Ion: 75 Resp: 32821
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 175.323 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007125.D
 Acq: 28 Nov 2018 20:13

Tgt Ion: 75 Resp: 32821
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.1 39.3 58.9#





#90

Hexachloroethane

Concen: 1.923 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007125.D

Acq: 28 Nov 2018 20:13

Instrument :

MSVOA_W

ClientSampleId :

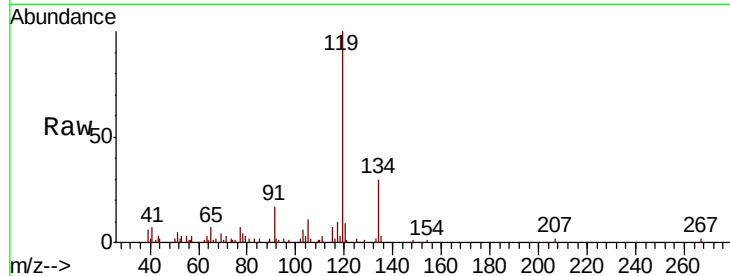
CL-02-112818-C

Tot Ion:117 Resp: 1218

Ion Ratio Lower Upper

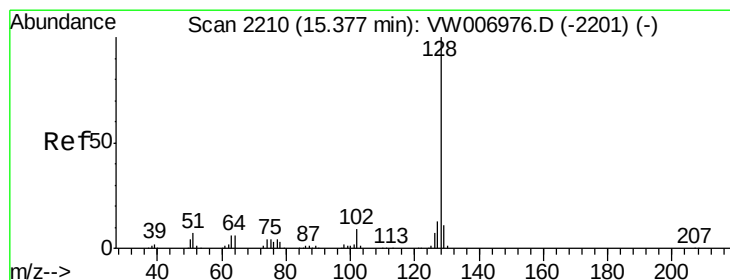
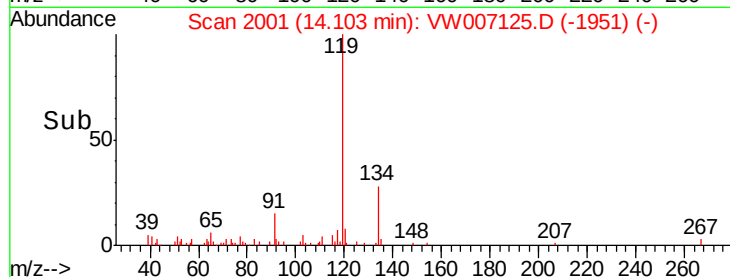
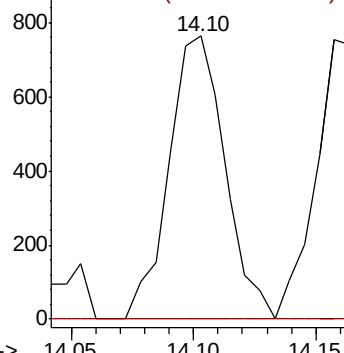
117 100

201 0.0 35.9 107.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 1.572 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007125.D

Acq: 28 Nov 2018 20:13

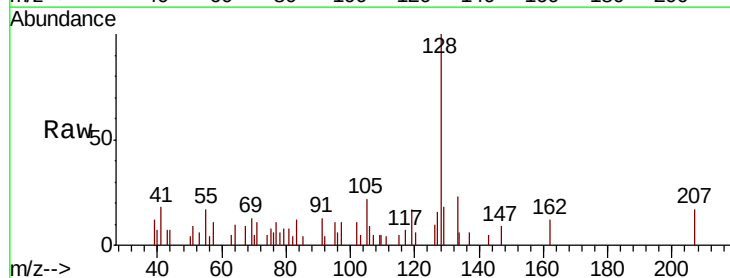
Tgt Ion:128 Resp: 3360

Ion Ratio Lower Upper

128 100

127 16.8 10.5 15.7#

129 8.7 8.7 13.1#



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

