

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
 Data File : VW007779.D
 Acq On : 21 Dec 2018 07:48
 Operator : SY/AP
 Sample : J6389-04
 Misc : 6.43G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS012-1824-01

Quant Time: Dec 21 10:41:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

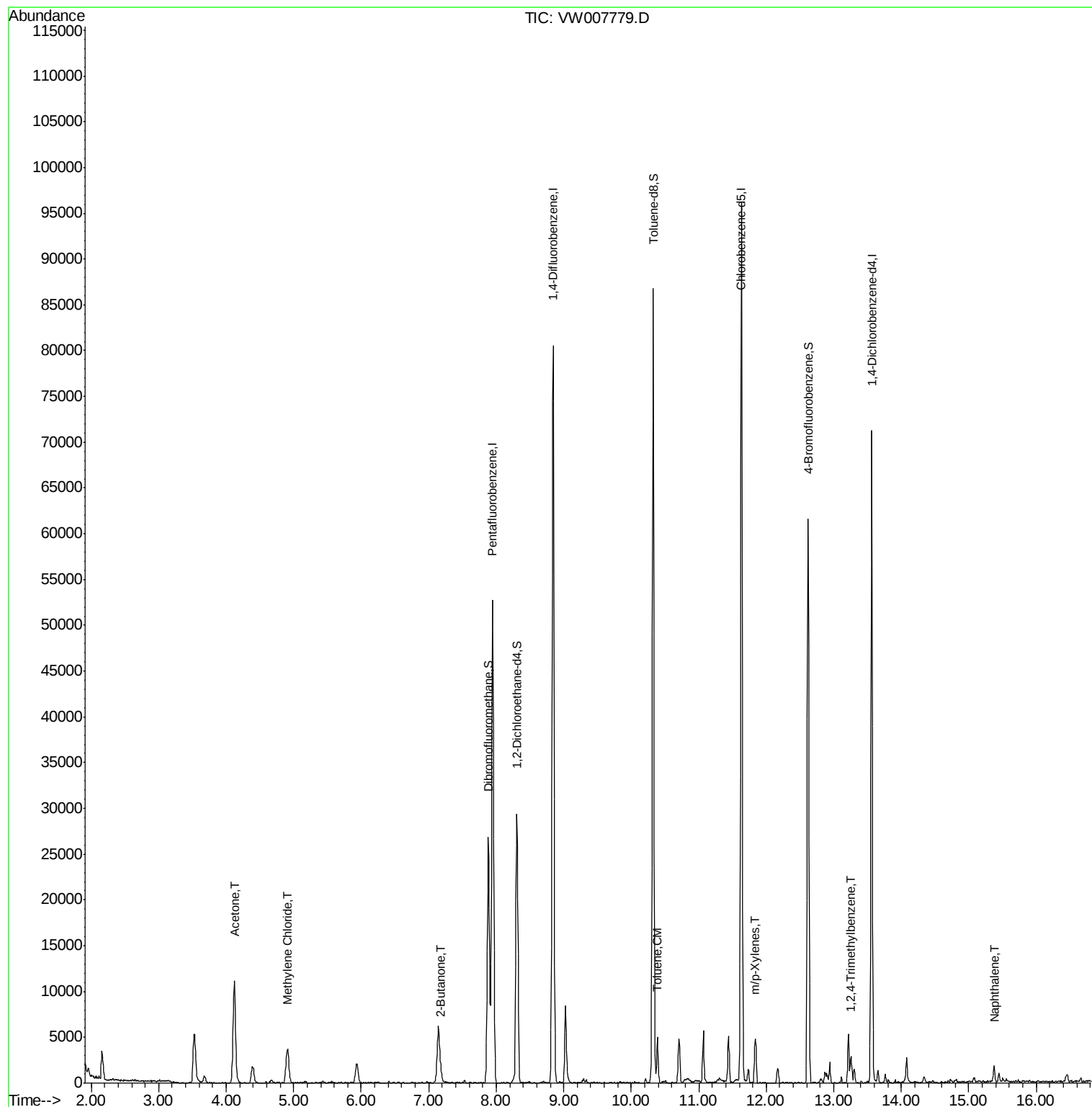
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	38951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	70497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	55708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	18101	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	24153	56.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.14%	
35) Dibromofluoromethane	7.88	113	20212	47.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.00%	
50) Toluene-d8	10.32	98	58289	35.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.90%	
62) 4-Bromofluorobenzene	12.62	95	19303	30.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.64%	
Target Compounds						
16) Acetone	4.12	43	19069	238.527	ug/l #	89
20) Methylene Chloride	4.91	84	3257	2.106	ug/l	97
25) 2-Butanone	7.18	43	1547	16.521	ug/l #	87
52) Toluene	10.39	92	2269	1.863	ug/l	97
68) m/p-Xylenes	11.84	106	1652	2.058	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	2025	1.700	ug/l	97
95) Naphthalene	15.38	128	2194	3.067	ug/l #	89

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

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007779.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_W

ClientSampleId :

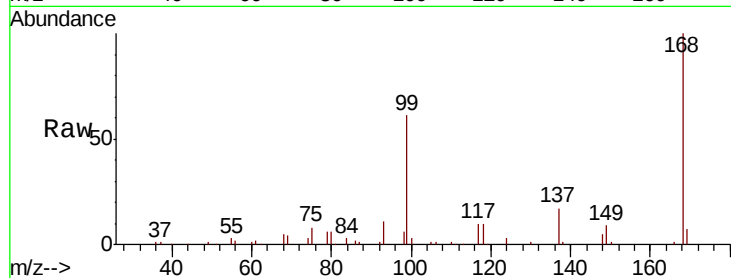
P001-SS012-1824-01

Tgt Ion:168 Resp: 38951

Ion Ratio Lower Upper

168 100

99 61.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

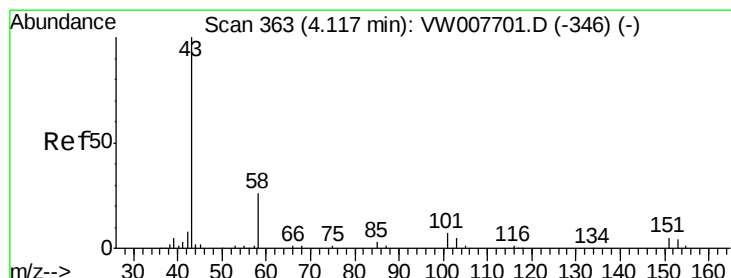
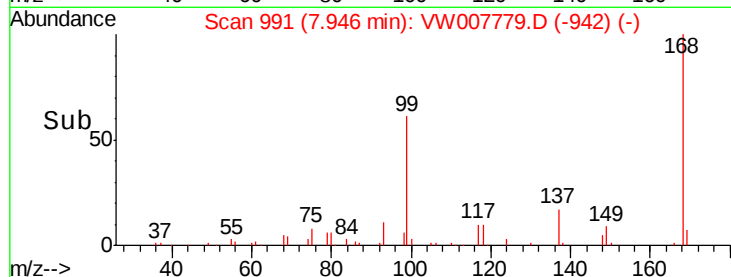
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 238.527 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007779.D

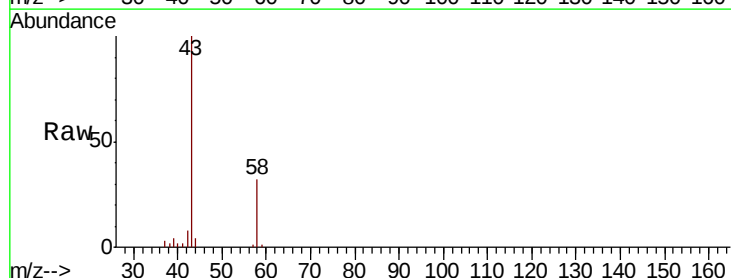
Acq: 21 Dec 2018 07:48

Tgt Ion: 43 Resp: 19069

Ion Ratio Lower Upper

43 100

58 32.3 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

8000

6000

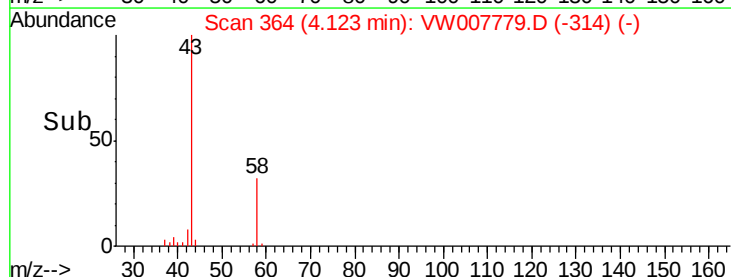
4000

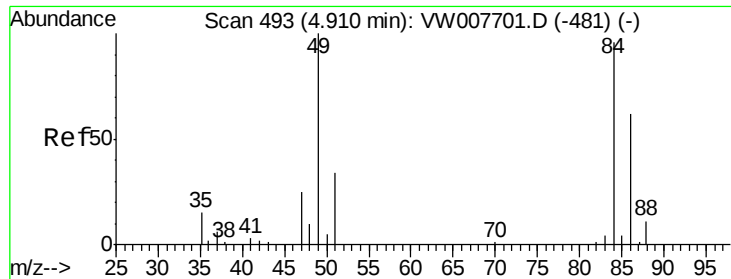
2000

0

Time-->

4.00 4.10 4.20

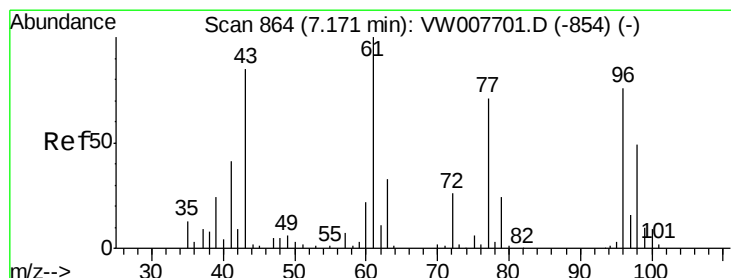
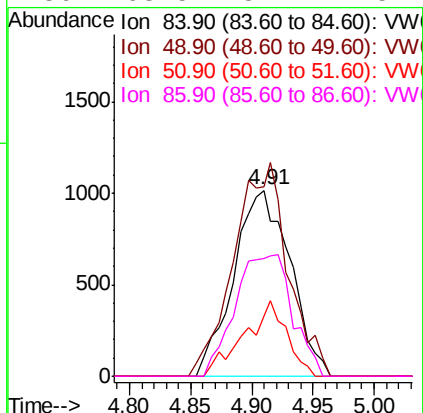
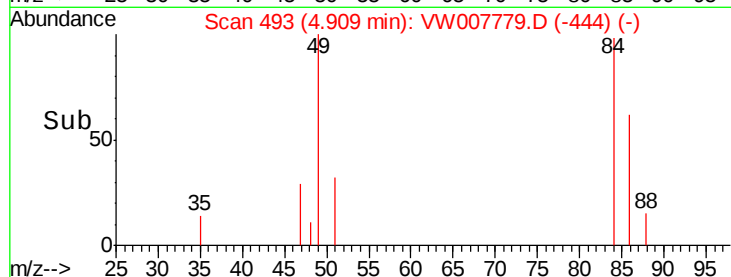
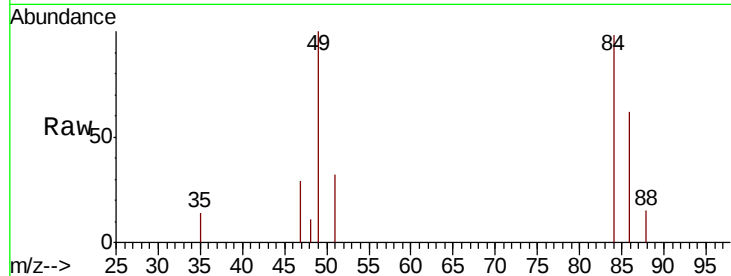




#20
Methylene Chloride
Concen: 2.106 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007779.D
Acq: 21 Dec 2018 07:48

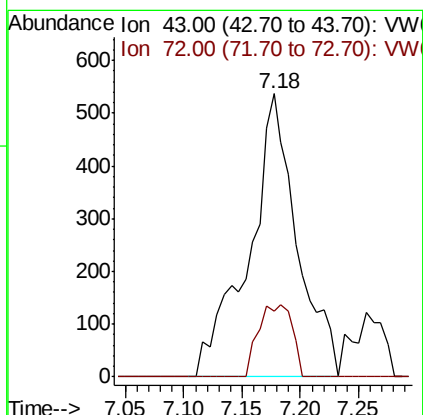
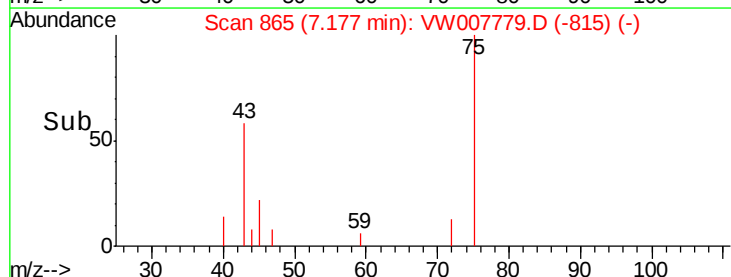
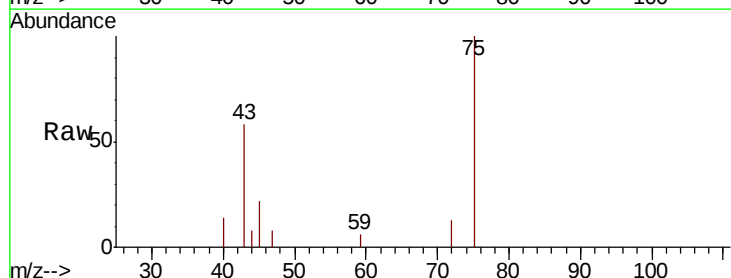
Instrument :
MSVOA_W
ClientSampleId :
P001-SS012-1824-01

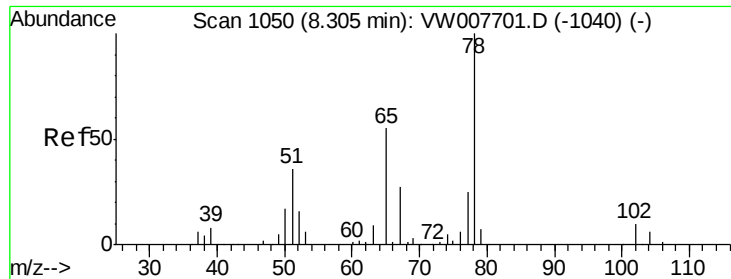
Tgt Ion: 84 Resp: 3257
Ion Ratio Lower Upper
84 100
49 102.2 83.7 125.5
51 32.4 28.2 42.2
86 63.5 52.2 78.2



#25
2-Butanone
Concen: 16.521 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007779.D
Acq: 21 Dec 2018 07:48

Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
72 23.3 24.5 36.7#

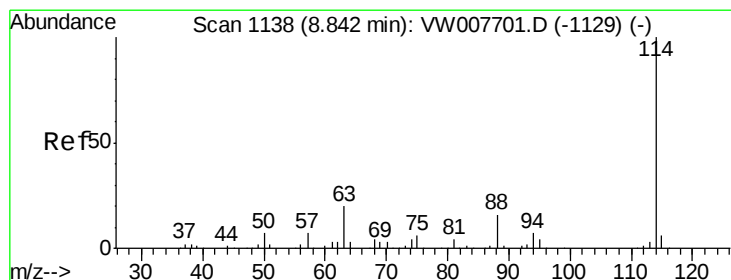
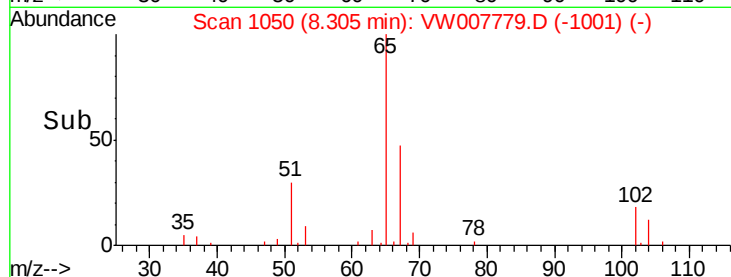
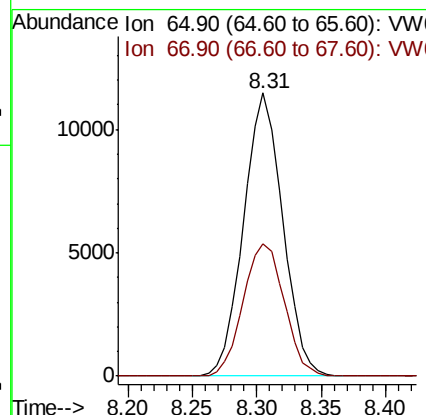
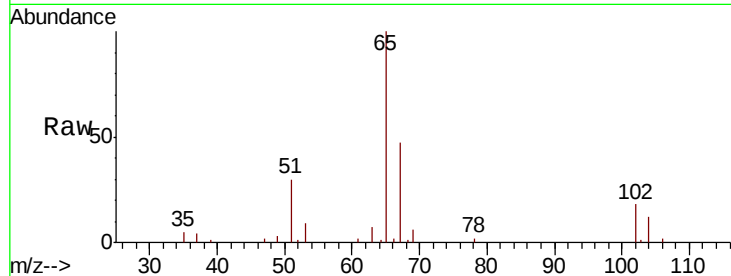




#33
 1,2-Dichloroethane-d4
 Concen: 56.575 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007779.D
 Acq: 21 Dec 2018 07:48

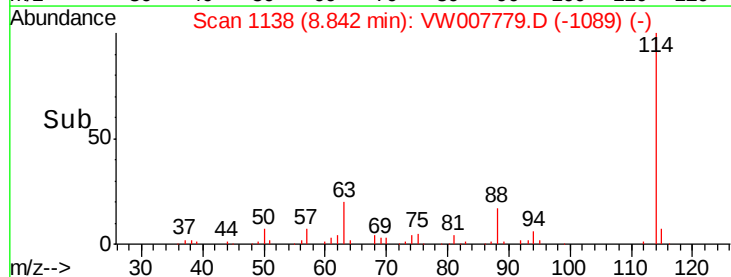
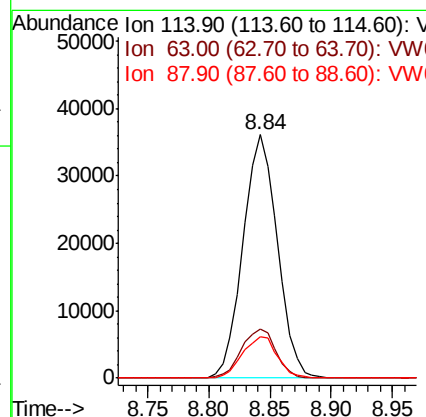
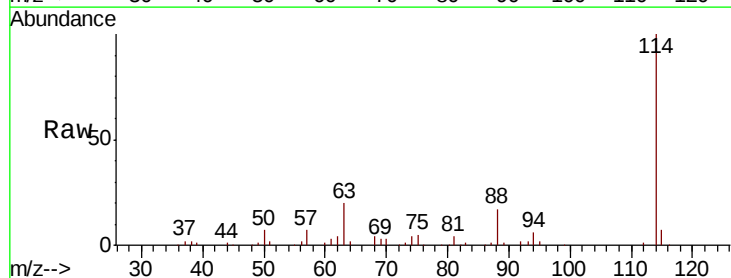
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS012-1824-01

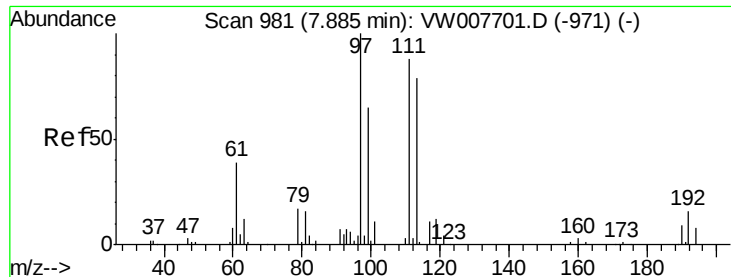
Tgt Ion: 65 Resp: 24153
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007779.D
 Acq: 21 Dec 2018 07:48

Tgt Ion: 114 Resp: 70497
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.997 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007779.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_W

ClientSampleId :

P001-SS012-1824-01

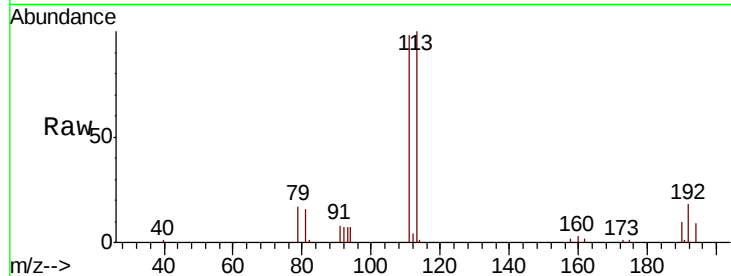
Tgt Ion:113 Resp: 20212

Ion Ratio Lower Upper

113 100

111 100.6 82.6 124.0

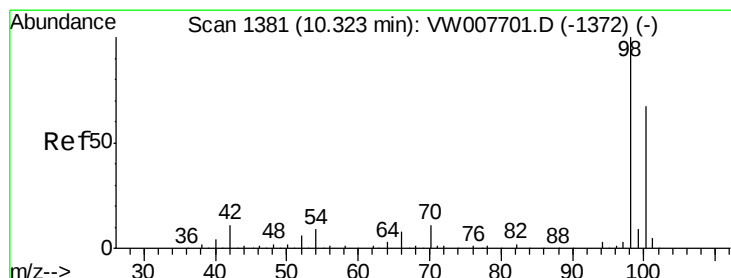
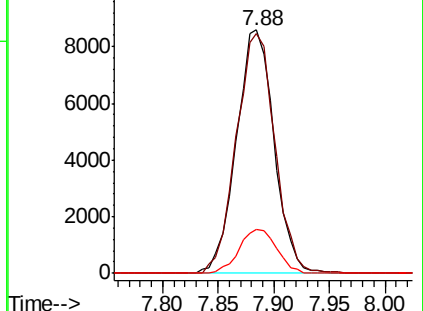
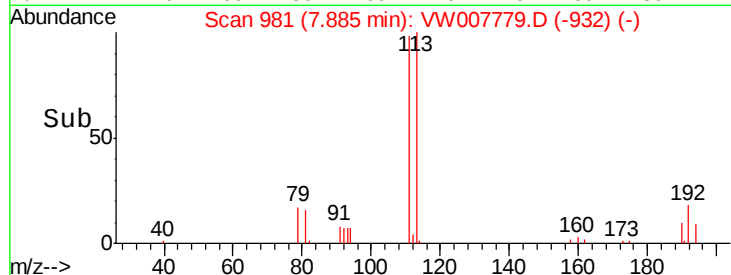
192 18.0 15.5 23.3



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



#50

Toluene-d8

Concen: 35.952 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007779.D

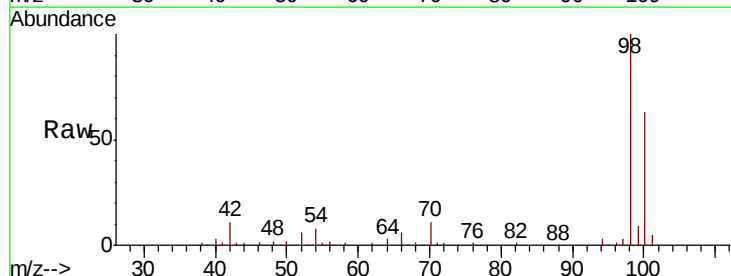
Acq: 21 Dec 2018 07:48

Tgt Ion: 98 Resp: 58289

Ion Ratio Lower Upper

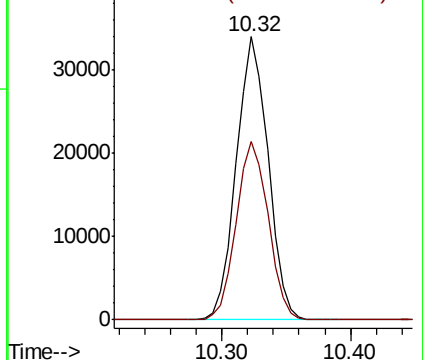
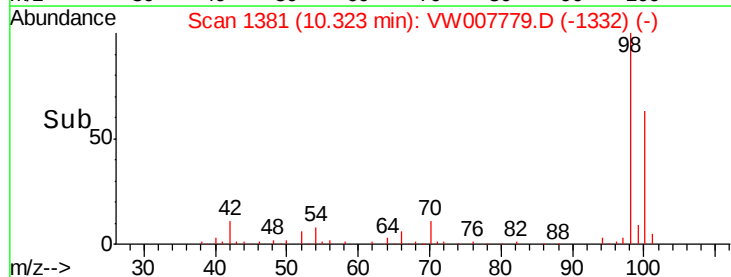
98 100

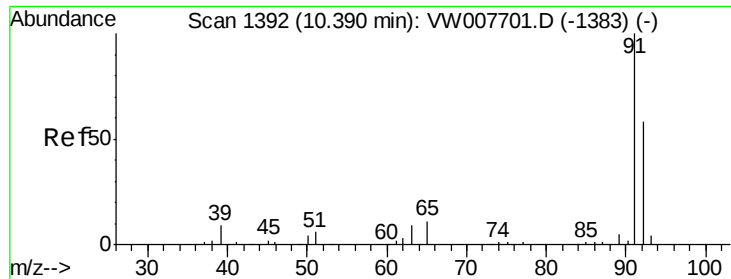
100 63.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.863 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007779.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_W

ClientSampleId :

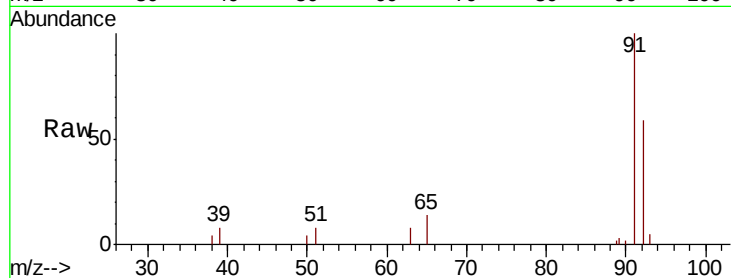
P001-SS012-1824-01

Tgt Ion: 92 Resp: 2269

Ion Ratio Lower Upper

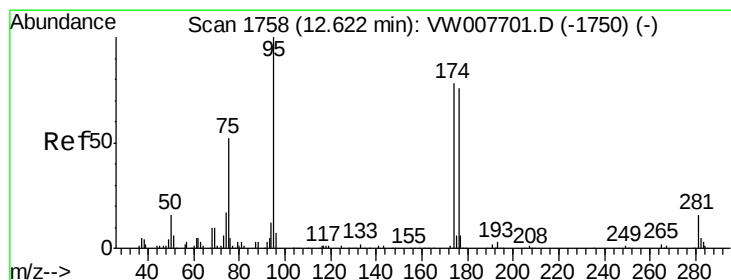
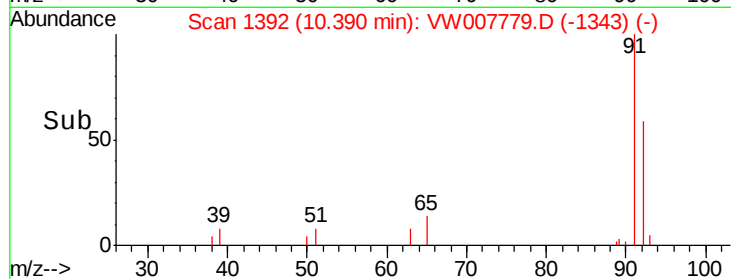
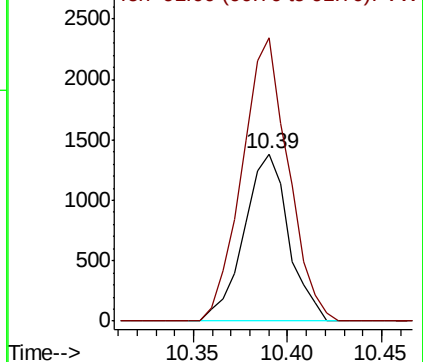
92 100

91 175.7 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 30.819 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007779.D

Acq: 21 Dec 2018 07:48

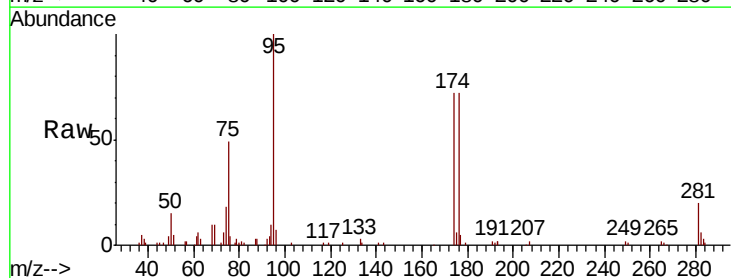
Tgt Ion: 95 Resp: 19303

Ion Ratio Lower Upper

95 100

174 73.8 0.0 152.2

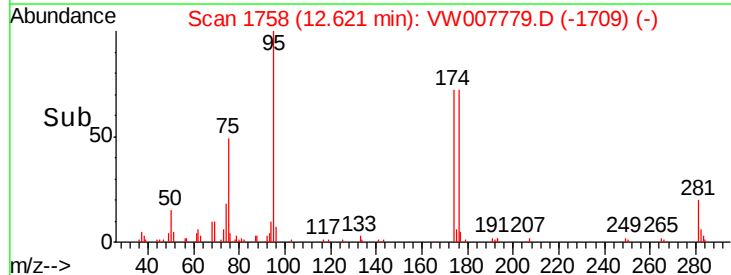
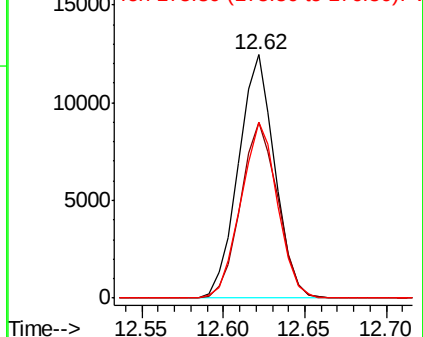
176 72.7 0.0 146.8

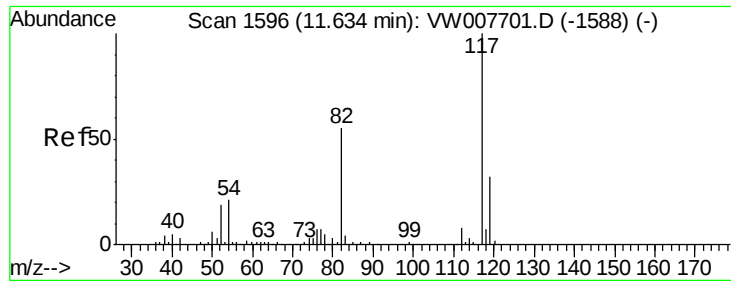


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

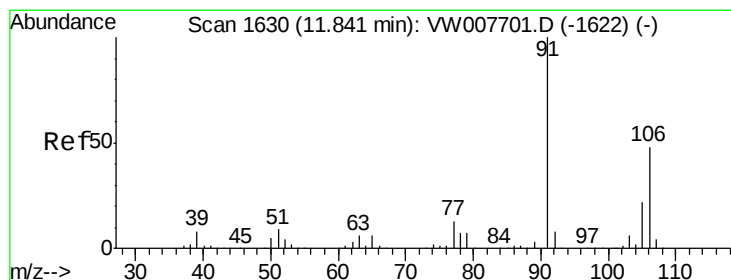
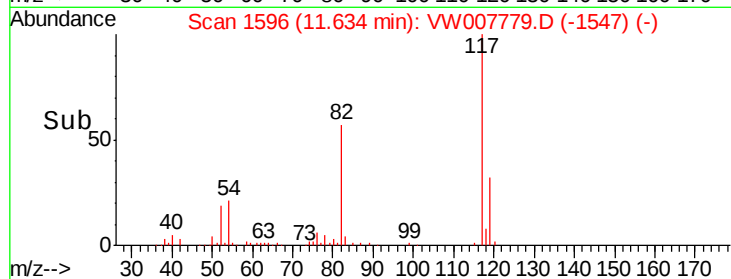
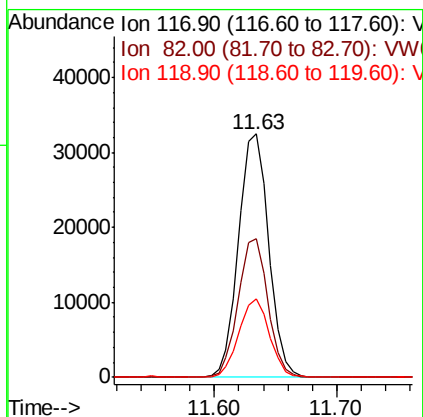
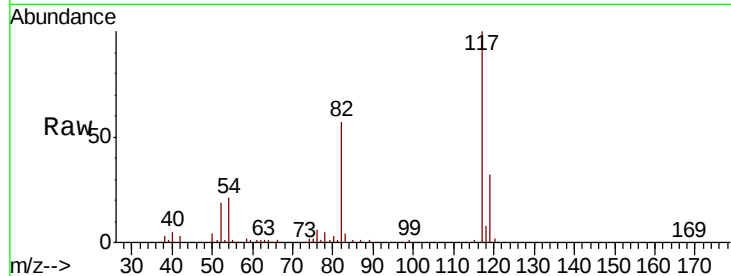




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007779.D
Acq: 21 Dec 2018 07:48

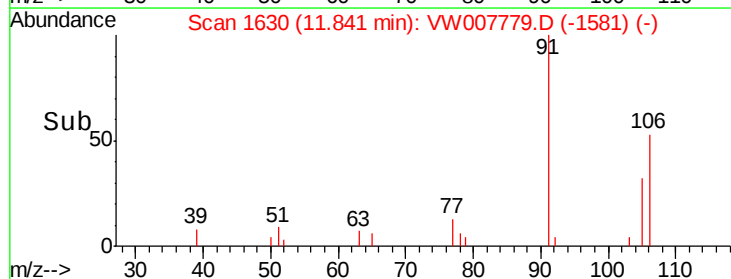
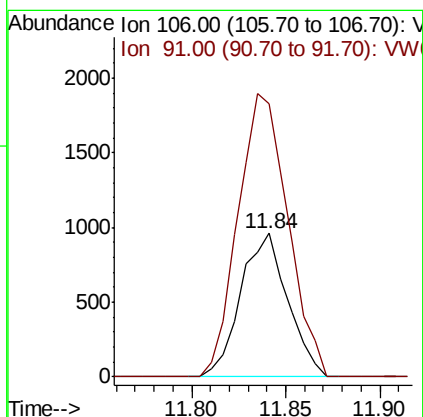
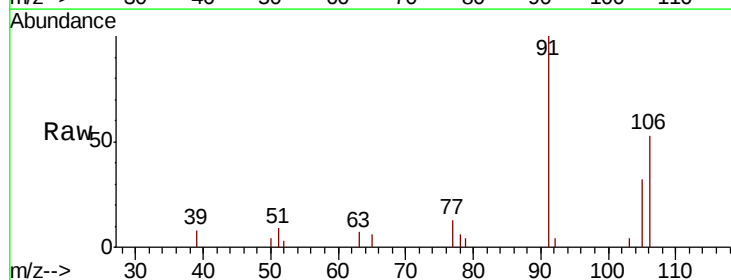
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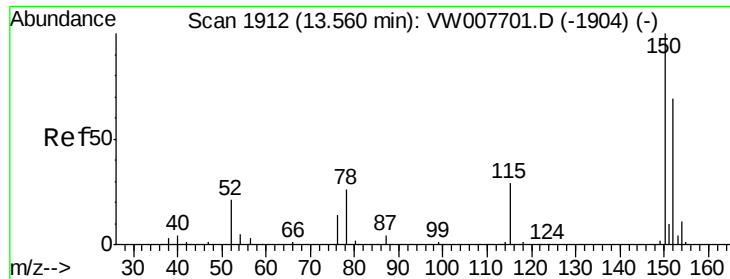
Tgt Ion:117 Resp: 55708
Ion Ratio Lower Upper
117 100
82 56.9 44.3 66.5
119 32.2 25.7 38.5



#68
m/p-Xylenes
Concen: 2.058 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007779.D
Acq: 21 Dec 2018 07:48

Tgt Ion:106 Resp: 1652
Ion Ratio Lower Upper
106 100
91 210.4 165.2 247.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007779.D

Acq: 21 Dec 2018 07:48

Instrument :

MSVOA_W

ClientSampleId :

P001-SS012-1824-01

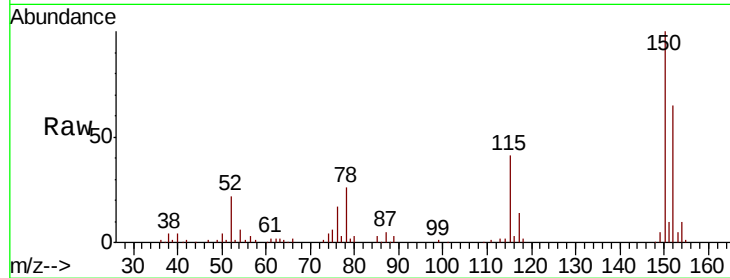
Tgt Ion:152 Resp: 18101

Ion Ratio Lower Upper

152 100

115 61.9 31.8 95.4

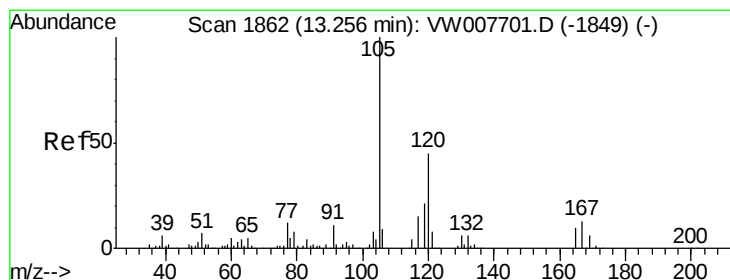
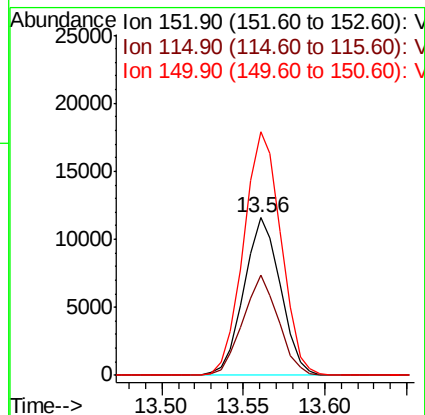
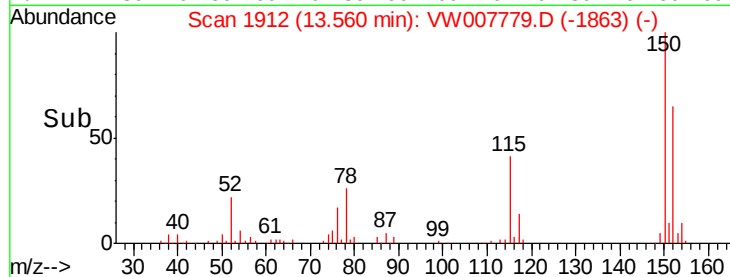
150 157.9 0.0 350.8



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



#84

1,2,4-Trimethylbenzene

Concen: 1.700 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007779.D

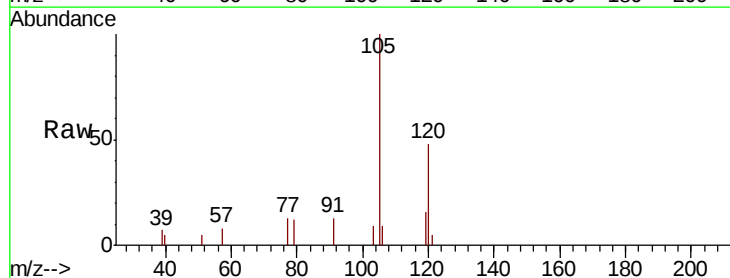
Acq: 21 Dec 2018 07:48

Tgt Ion:105 Resp: 2025

Ion Ratio Lower Upper

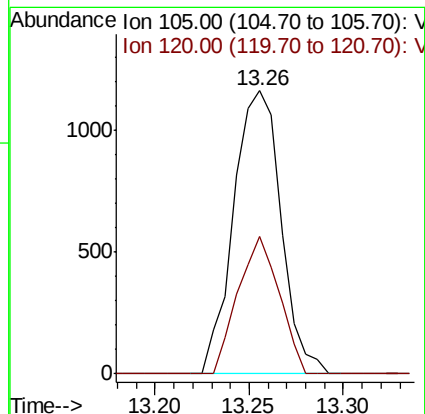
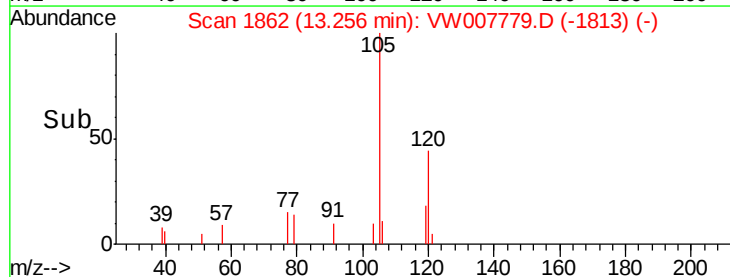
105 100

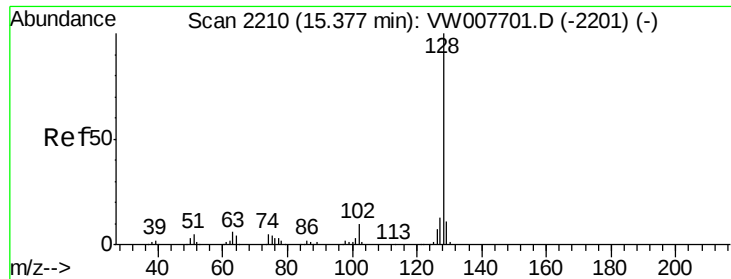
120 42.2 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
 Naphthalene
 Concen: 3.067 ug/l
 RT: 15.38 min Scan# 2211
 Delta R.T. 0.01 min
 Lab File: VW007779.D
 Acq: 21 Dec 2018 07:48

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS012-1824-01

Tgt Ion:128 Resp: 2194
 Ion Ratio Lower Upper
 128 100
 127 11.3 10.7 16.1
 129 4.1 8.8 13.2#

