

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001613.D
 Acq On : 12 Feb 2020 15:09
 Operator : SY/MD
 Sample : L1509-04
 Misc : 7.11G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AOC-3-SP-D

Quant Time: Feb 13 08:10:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

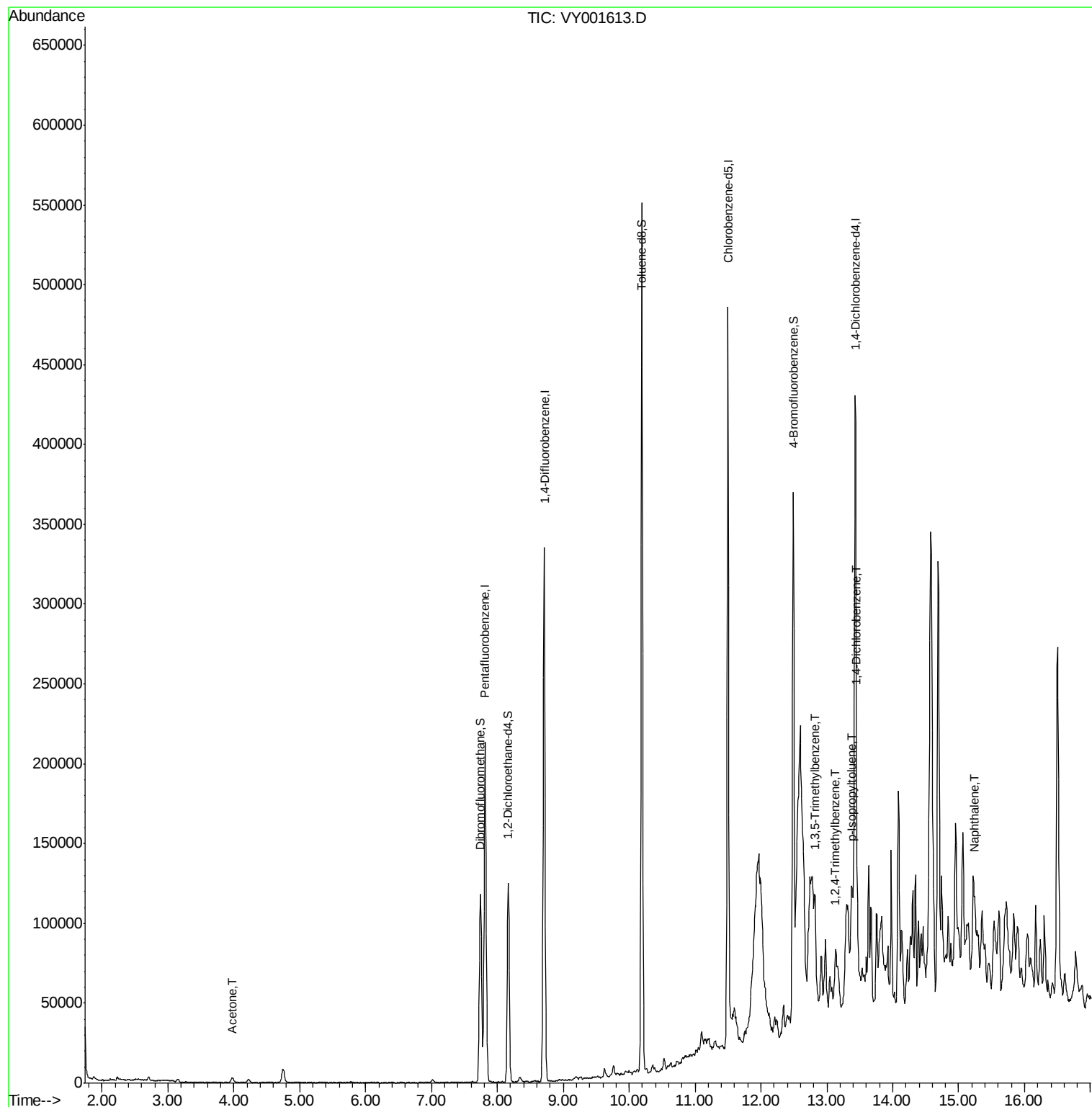
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	160713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	289647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	242599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	90389	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	91862	56.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.54%	
35) Dibromofluoromethane	7.74	113	82717	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	10.19	98	343679	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
62) 4-Bromofluorobenzene	12.49	95	102814	41.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.60%	
Target Compounds						
16) Acetone	3.97	43	5708	12.195	ug/l	95
80) 1,3,5-Trimethylbenzene	12.82	105	13230	2.279	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	6310	1.098	ug/l	98
86) p-Isopropyltoluene	13.38	119	11724	1.928	ug/l	95
88) 1,4-Dichlorobenzene	13.45	146	16202	5.656	ug/l	91
95) Naphthalene	15.25	128	21020	5.122	ug/l	96

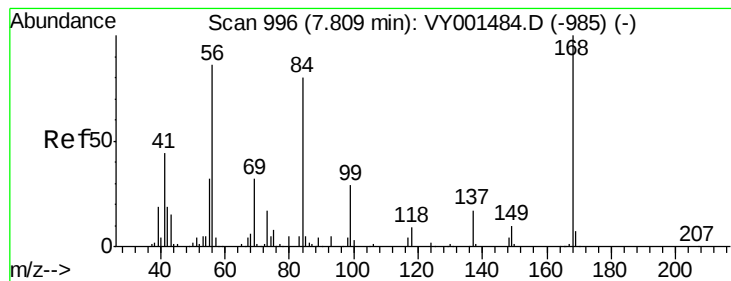
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001613.D

Acq: 12 Feb 2020 15:09

Instrument :

MSVOA_Y

ClientSampleId :

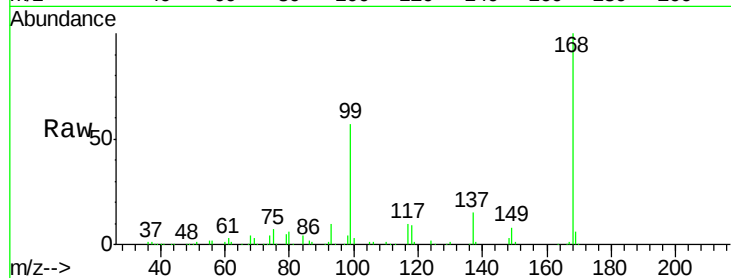
AOC-3-SP-D

Tot Ion:168 Resp: 160713

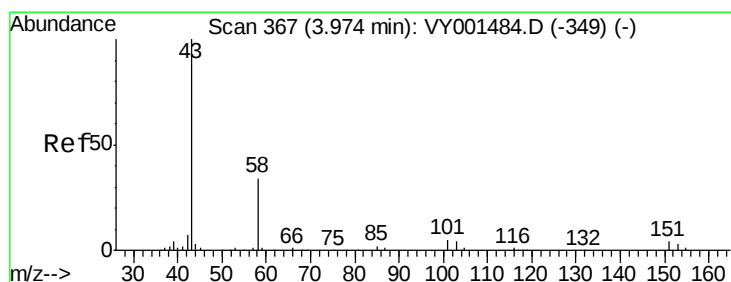
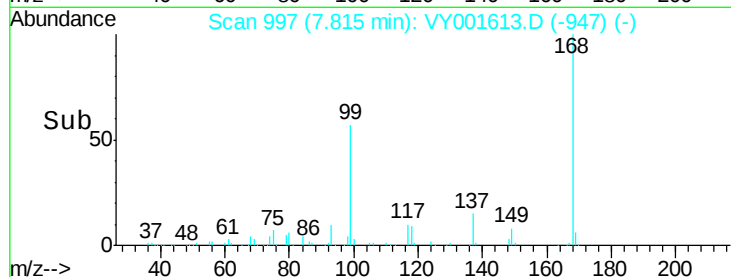
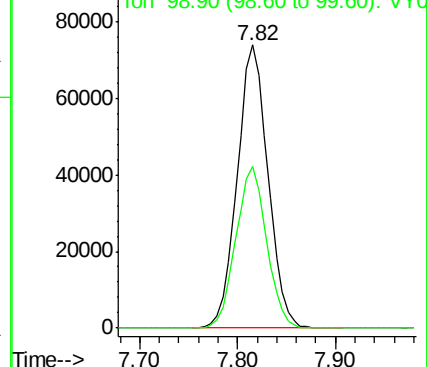
Ion Ratio Lower Upper

168 100

99 57.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001613.D (-947) (-)



#16

Acetone

Concen: 12.195 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001613.D

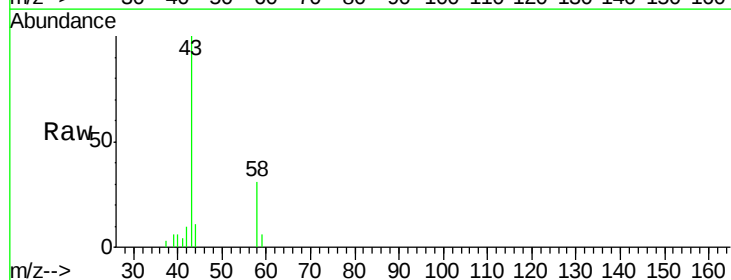
Acq: 12 Feb 2020 15:09

Tgt Ion: 43 Resp: 5708

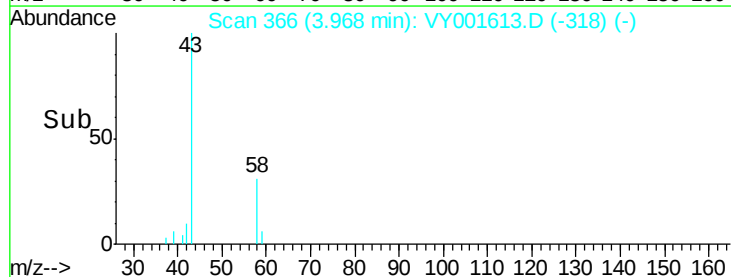
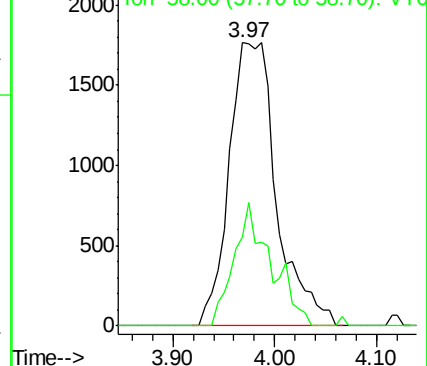
Ion Ratio Lower Upper

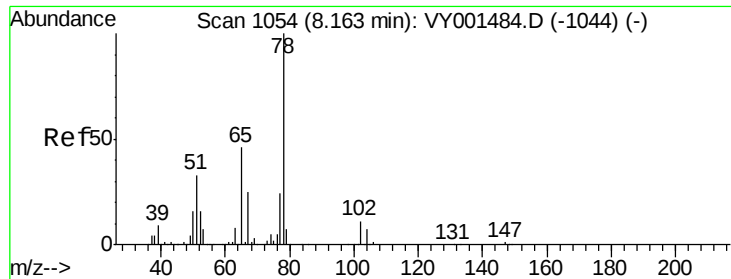
43 100

58 31.4 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY001613.D (-318) (-)

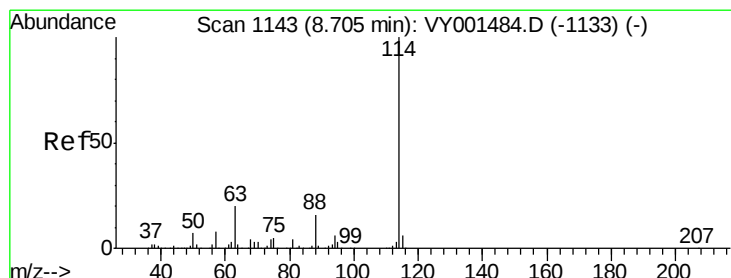
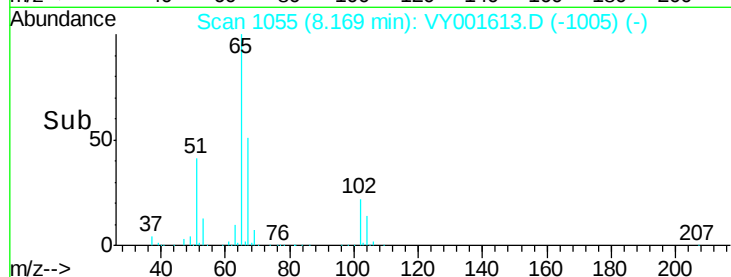
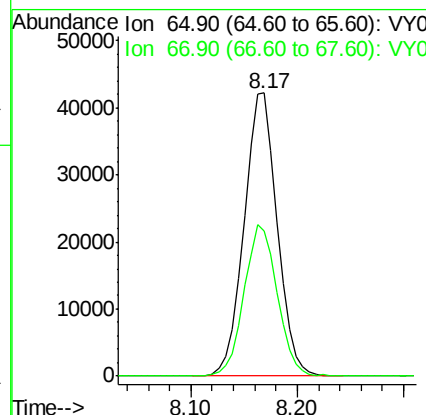
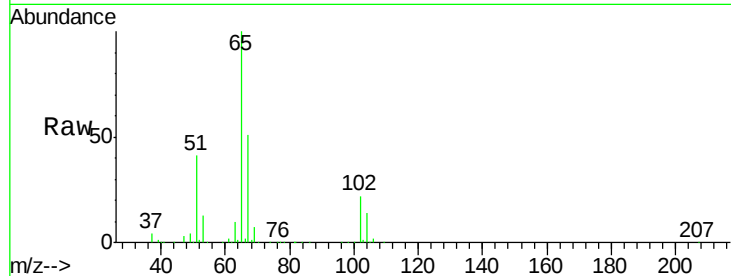




#33
 1,2-Dichloroethane-d4
 Concen: 56.770 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001613.D
 Acq: 12 Feb 2020 15:09

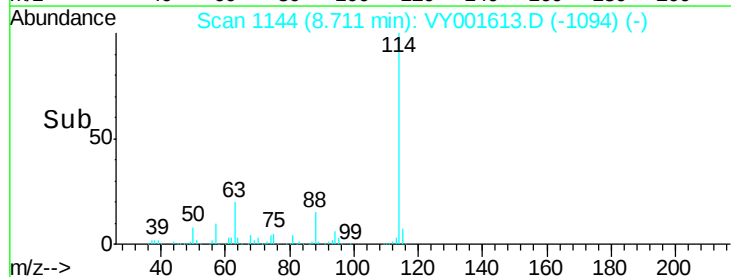
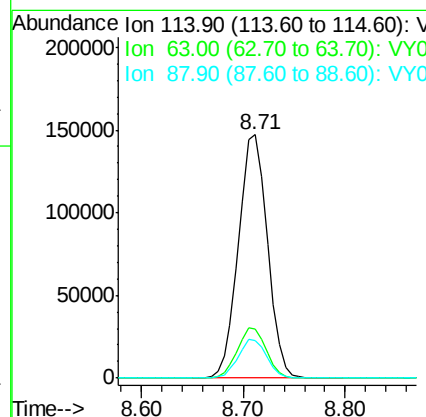
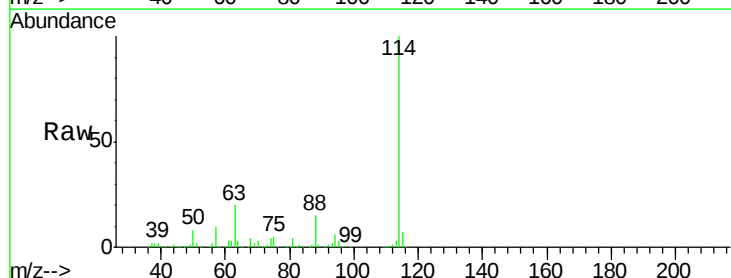
Instrument :
 MSVOA_Y
 ClientSampleId :
 AOC-3-SP-D

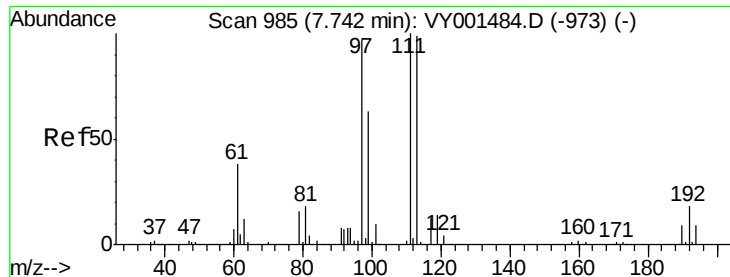
Tot Ion: 65 Resp: 91862
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001613.D
 Acq: 12 Feb 2020 15:09

Tgt Ion: 114 Resp: 289647
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.524 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.00 min

Lab File: VY001613.D

Acq: 12 Feb 2020 15:09

Instrument :

MSVOA_Y

ClientSampleId :

AOC-3-SP-D

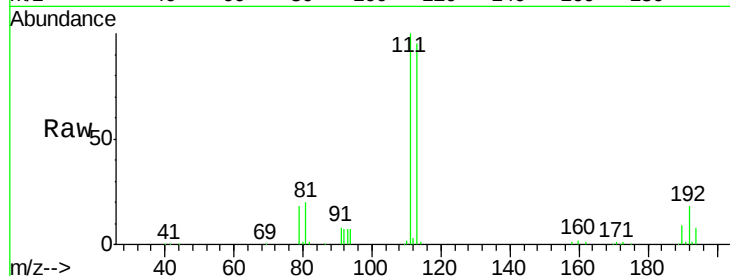
Tot Ion:113 Resp: 82717

Ion Ratio Lower Upper

113 100

111 104.0 82.9 124.3

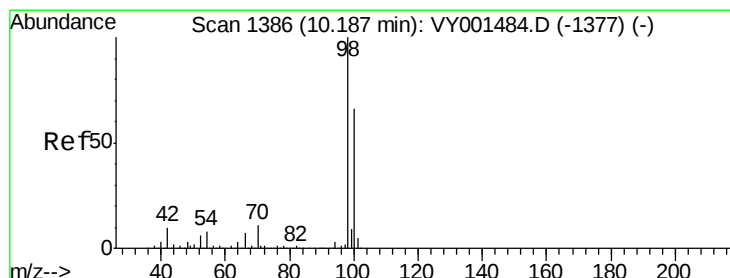
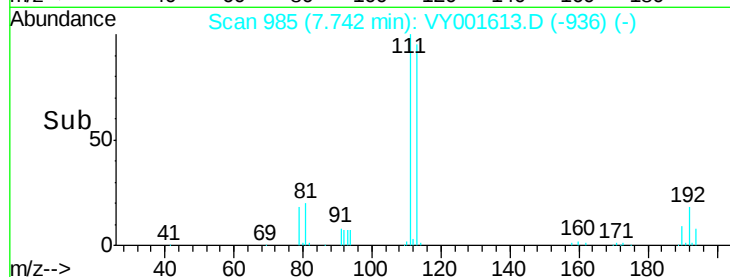
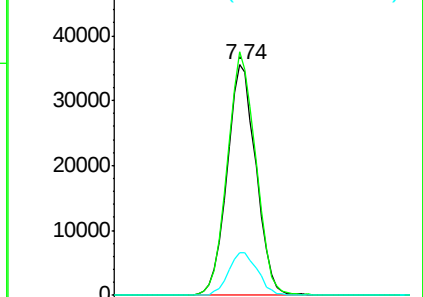
192 18.6 14.6 22.0



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: 54.386 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001613.D

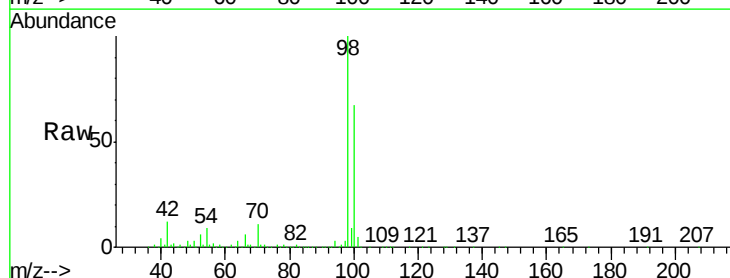
Acq: 12 Feb 2020 15:09

Tgt Ion: 98 Resp: 343679

Ion Ratio Lower Upper

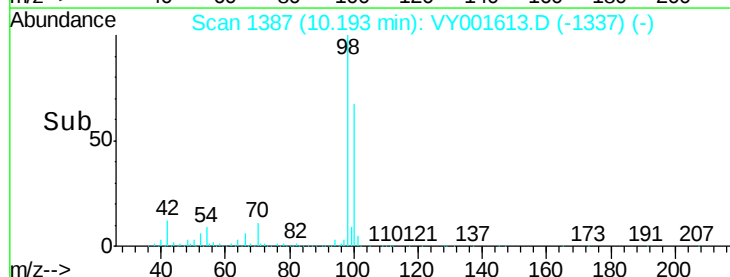
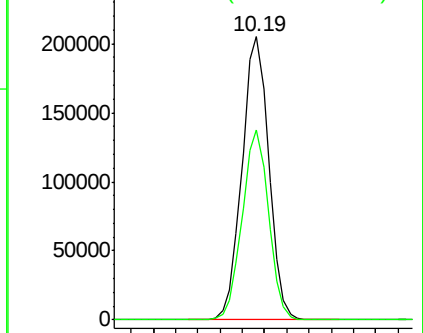
98 100

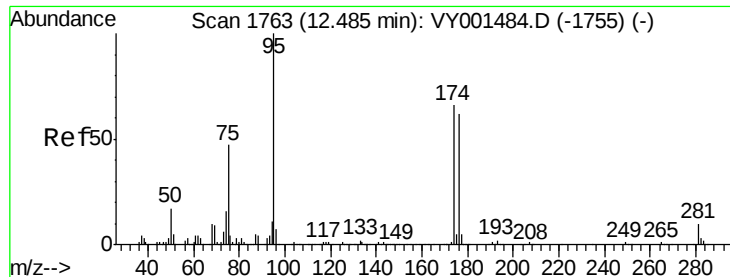
100 66.0 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

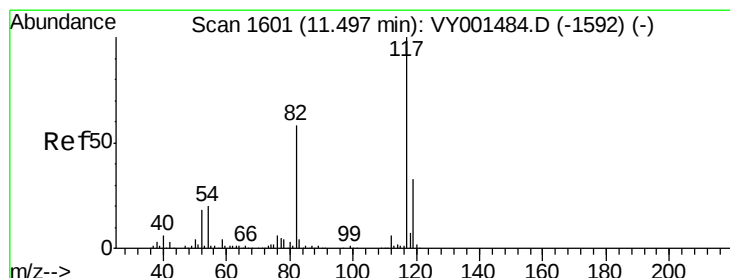
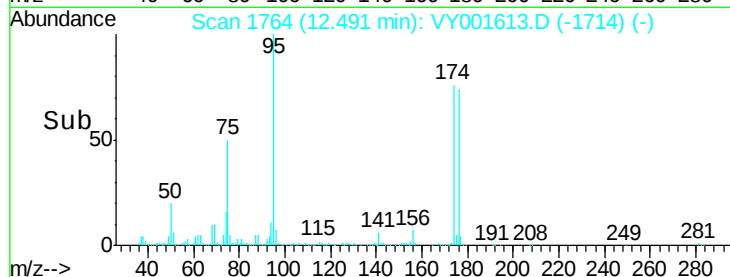
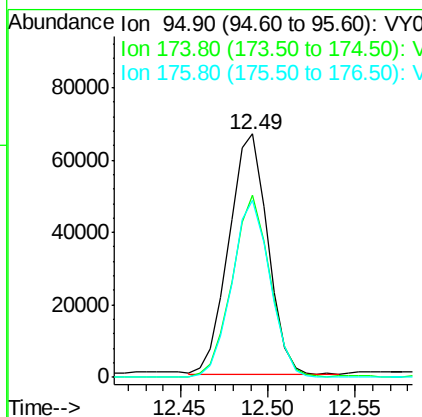
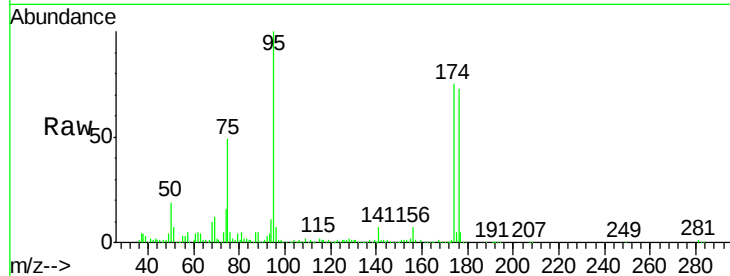




#62
4-Bromofluorobenzene
Concen: 41.300 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001613.D
Acq: 12 Feb 2020 15:09

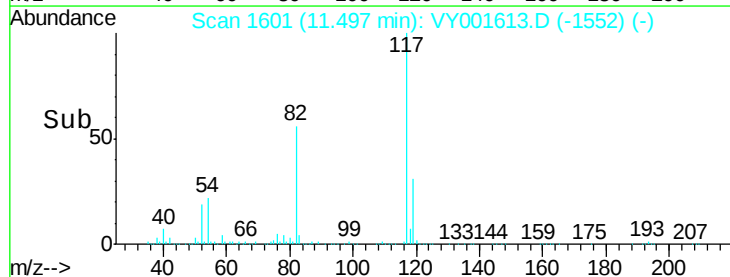
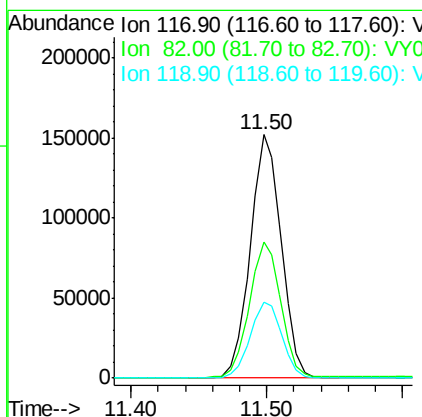
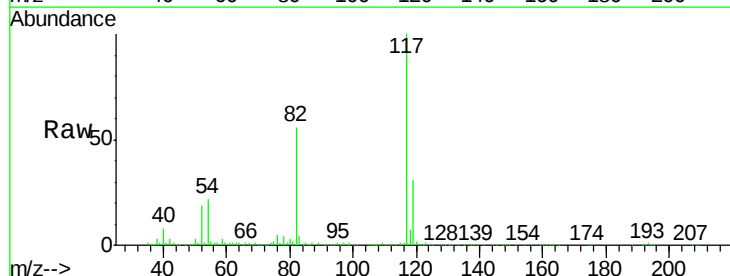
Instrument :
MSVOA_Y
ClientSampleId :
AOC-3-SP-D

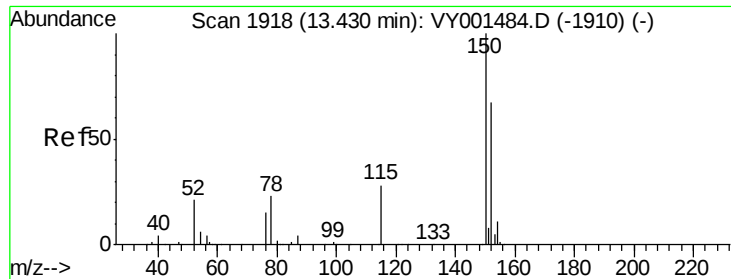
Tot Ion: 95 Resp: 102814
Ion Ratio Lower Upper
95 100
174 73.6 0.0 141.4
176 72.2 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001613.D
Acq: 12 Feb 2020 15:09

Tgt Ion: 117 Resp: 242599
Ion Ratio Lower Upper
117 100
82 55.7 46.1 69.1
119 31.1 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001613.D

Acq: 12 Feb 2020 15:09

Instrument :

MSVOA_Y

ClientSampled :

AOC-3-SP-D

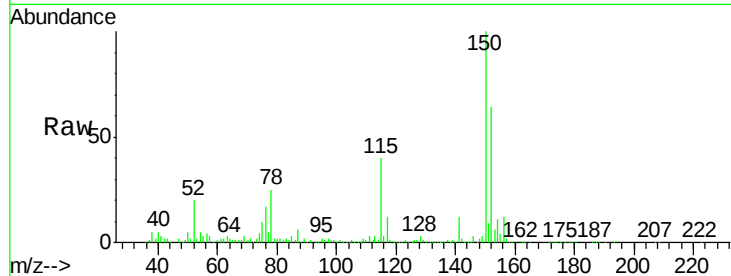
Tot Ion:152 Resp: 90389

Ion Ratio Lower Upper

152 100

115 74.2 31.4 94.3

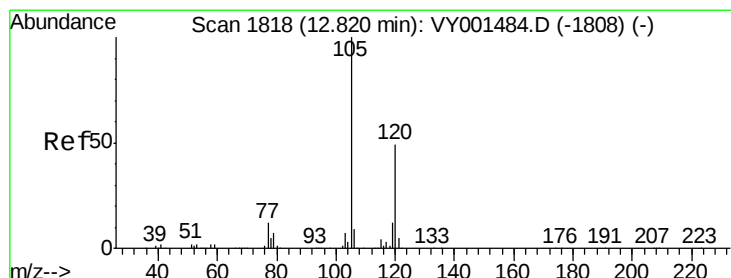
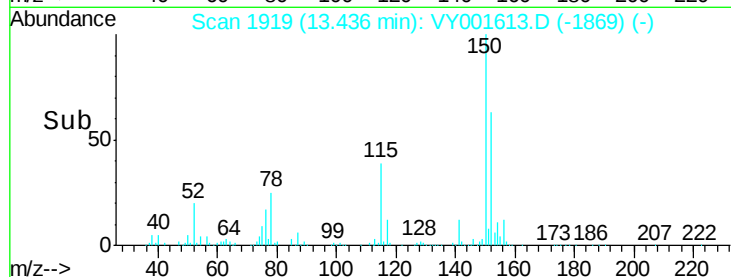
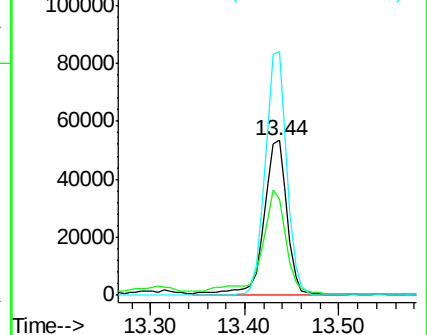
150 148.2 0.0 346.8



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



#80

1,3,5-Trimethylbenzene

Concen: 2.279 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001613.D

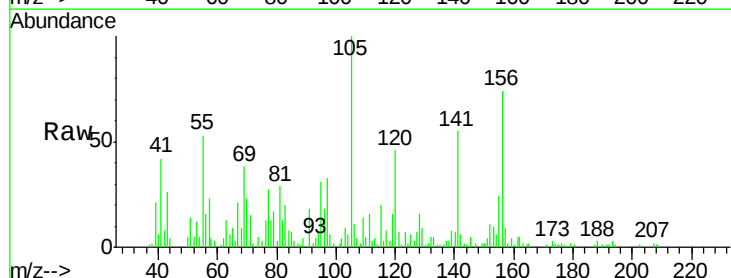
Acq: 12 Feb 2020 15:09

Tgt Ion:105 Resp: 13230

Ion Ratio Lower Upper

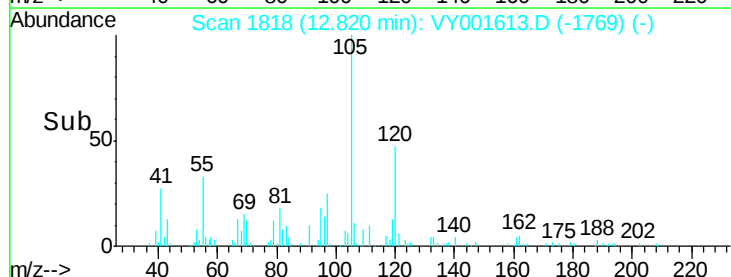
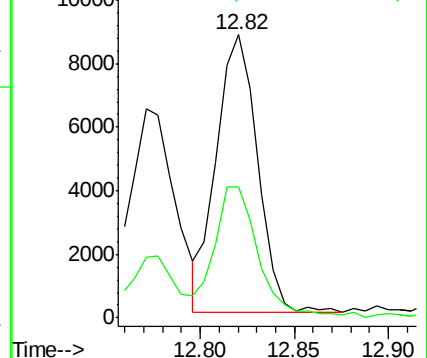
105 100

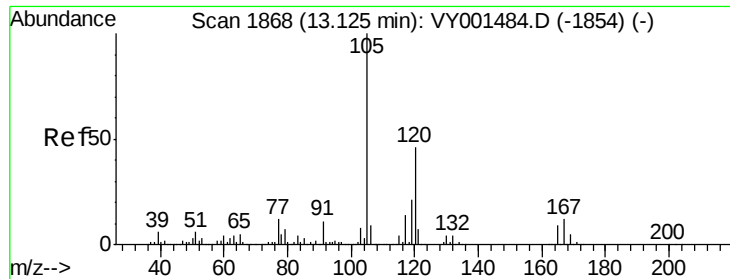
120 51.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 1.098 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VY001613.D

Acq: 12 Feb 2020 15:09

Instrument :

MSVOA_Y

ClientSampleId :

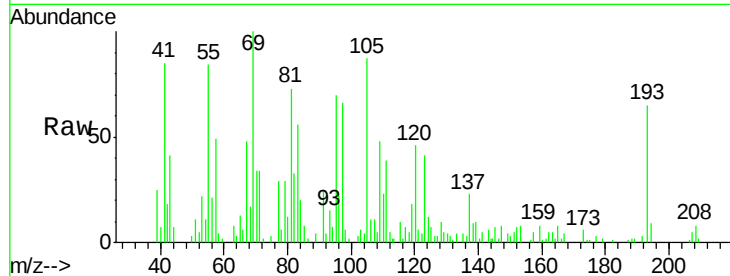
AOC-3-SP-D

Tot Ion:105 Resp: 6310

Ion Ratio Lower Upper

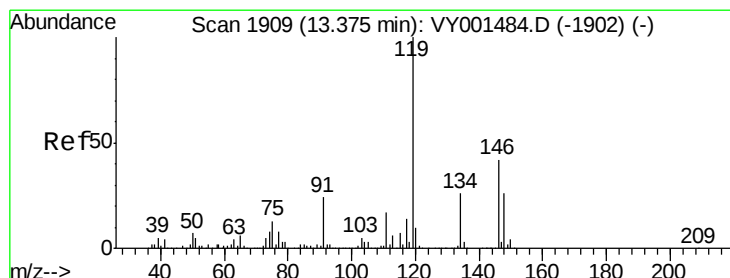
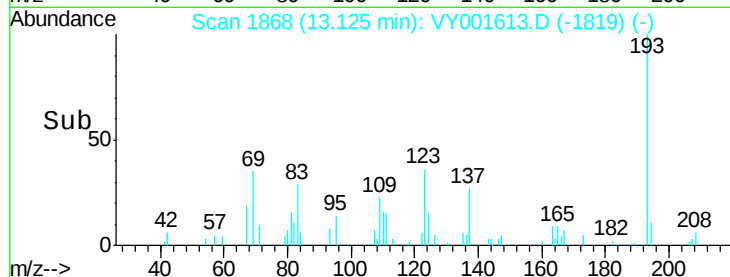
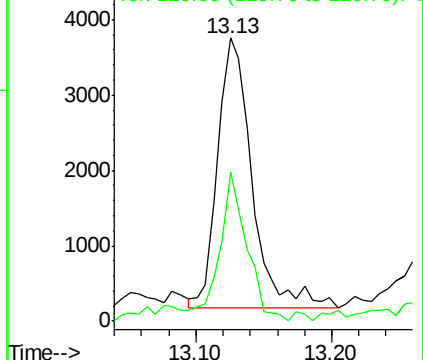
105 100

120 43.5 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 1.928 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001613.D

Acq: 12 Feb 2020 15:09

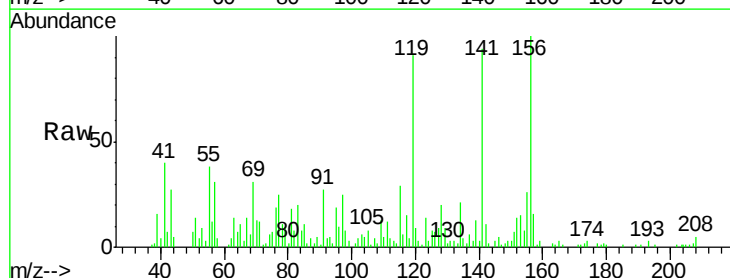
Tgt Ion:119 Resp: 11724

Ion Ratio Lower Upper

119 100

134 27.8 13.3 39.8

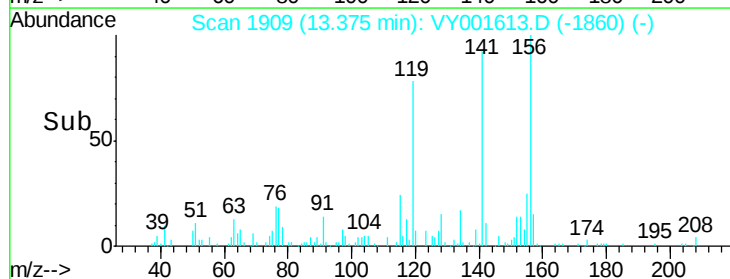
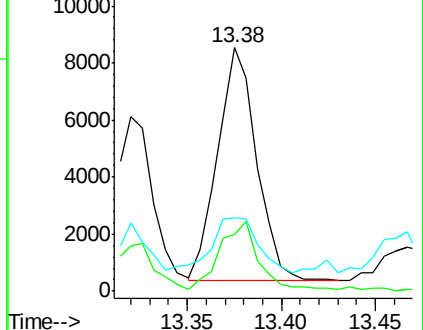
91 28.3 12.2 36.6

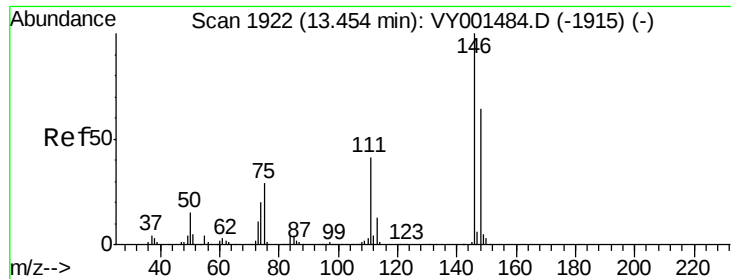


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#88

1,4-Dichlorobenzene

Concen: 5.656 ug/l

RT: 13.45 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VY001613.D

Acq: 12 Feb 2020 15:09

Instrument :

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ClientSampleId :

AOC-3-SP-D

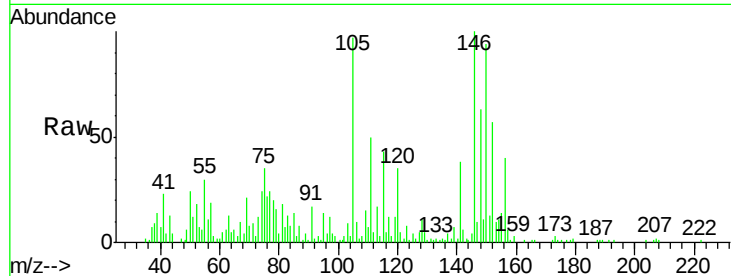
Tot Ion:146 Resp: 16202

Ion Ratio Lower Upper

146 100

111 54.9 20.7 62.1

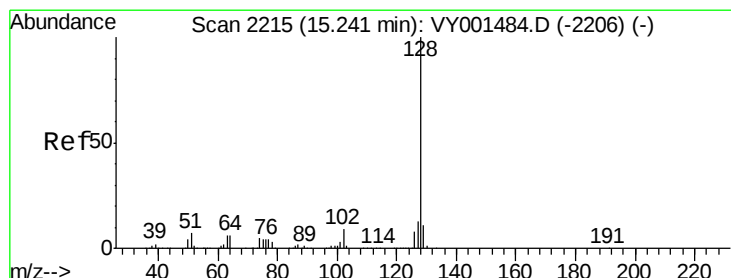
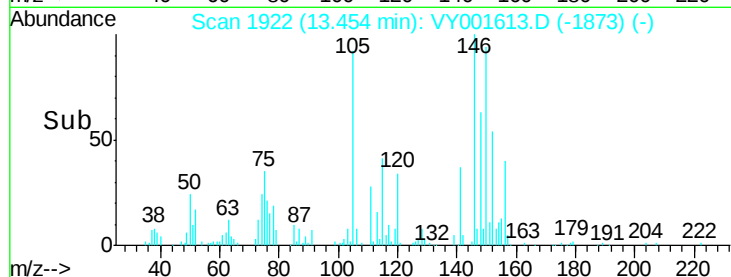
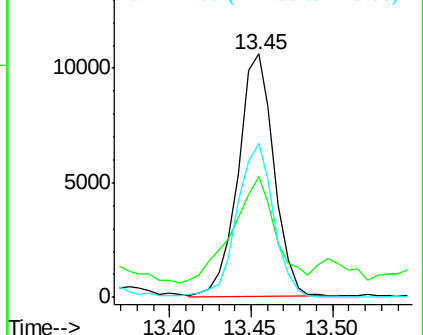
148 65.0 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 5.122 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001613.D

Acq: 12 Feb 2020 15:09

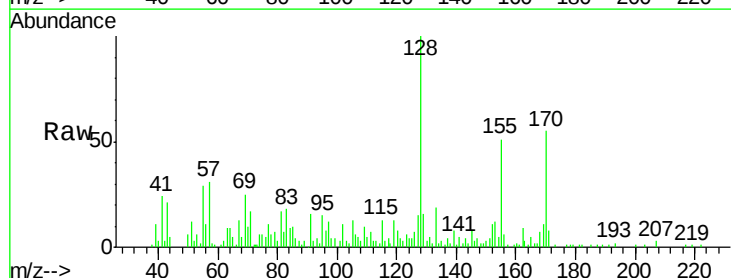
Tgt Ion:128 Resp: 21020

Ion Ratio Lower Upper

128 100

127 15.0 10.1 15.1

129 11.9 8.9 13.3



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

