

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040220\
 Data File : VY002200.D
 Acq On : 02 Apr 2020 18:13
 Operator : SY/MD
 Sample : L2146-08
 Misc : 6.29G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 03 03:17:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	124582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	246100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	227324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	91083	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	81658	59.29	ug/l	0.00
Spiked Amount			Recovery	=	118.58%	
35) Dibromofluoromethane	7.74	113	73243	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
50) Toluene-d8	10.19	98	301887	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.49	95	101051	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	

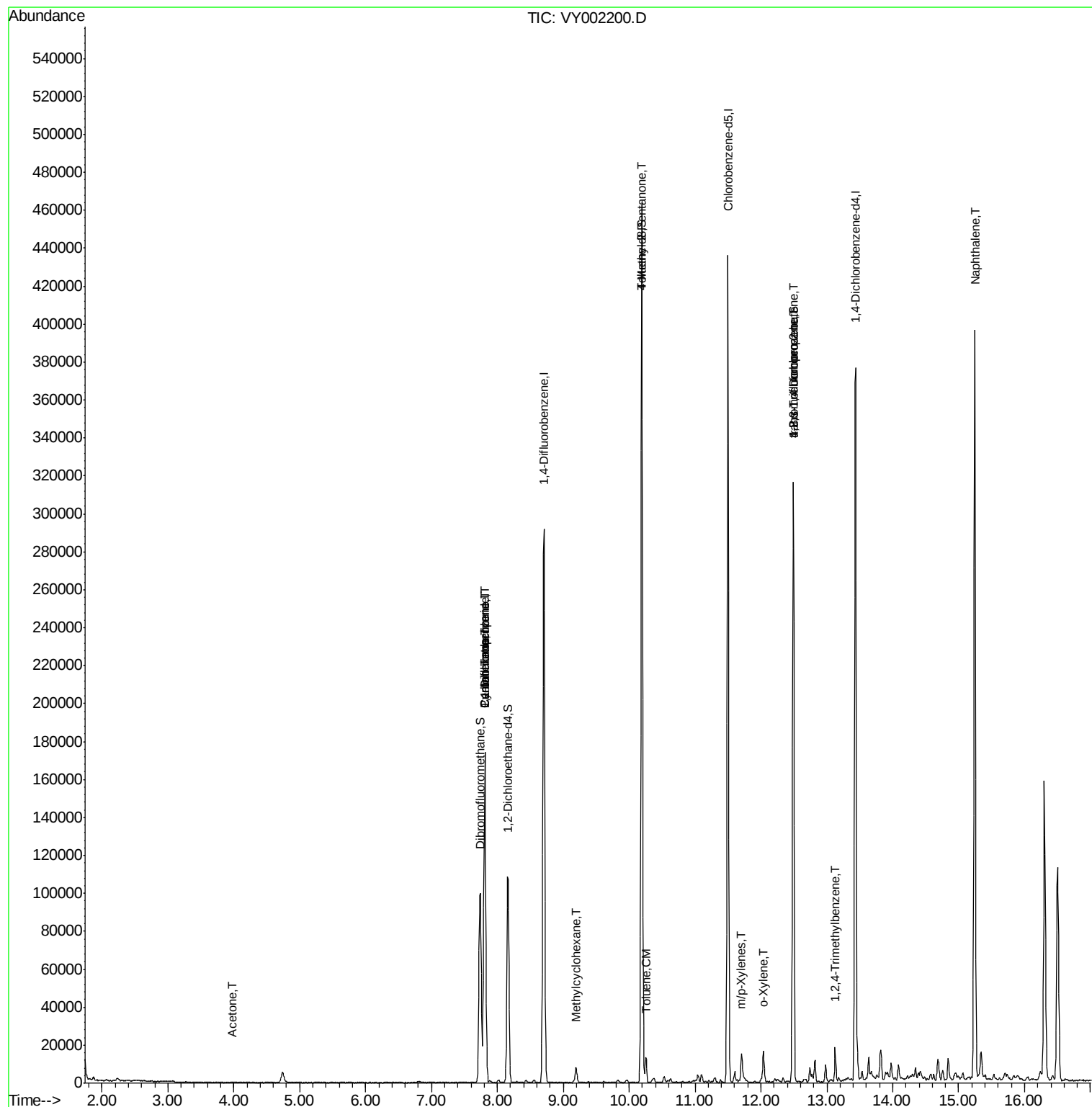
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	712	1.840	ug/l #	79
20) Methylene Chloride	4.74	84	3693	Below Cal	#	90
31) Cyclohexane	7.81	56	4671	1.628	ug/l #	3
36) 1,1-Dichloropropene	7.80	75	10842	4.658	ug/l #	50
38) Carbon Tetrachloride	7.80	117	13159	6.663	ug/l #	18
39) Methylcyclohexane	9.20	83	3192	1.045	ug/l #	83
51) 4-Methyl-2-Pentanone	10.19	43	1677	1.247	ug/l #	1
52) Toluene	10.25	92	5411	1.297	ug/l	99
68) m/p-Xylenes	11.71	106	4530	1.503	ug/l	89
69) o-Xylene	12.03	106	4036	1.412	ug/l	97
76) 1,2,3-Trichloropropane	12.49	75	51764	50.806	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	51764	98.430	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.13	105	9630	1.731	ug/l	95
95) Naphthalene	15.25	128	314600	78.865	ug/l	99

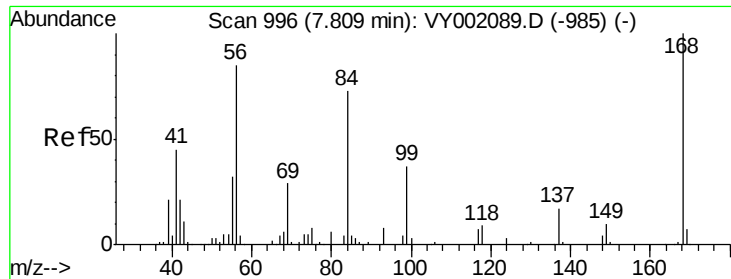
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002200.D

Acq: 02 Apr 2020 18:13

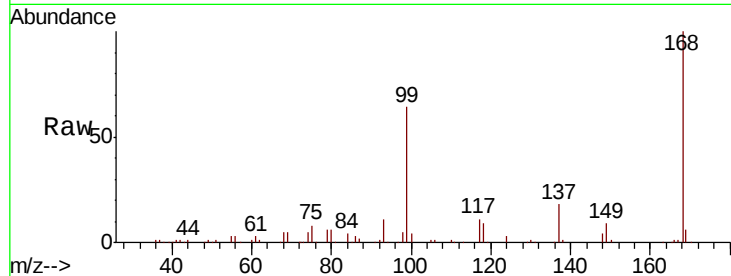
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 124582

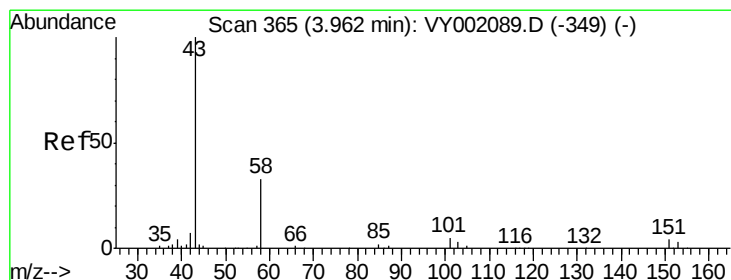
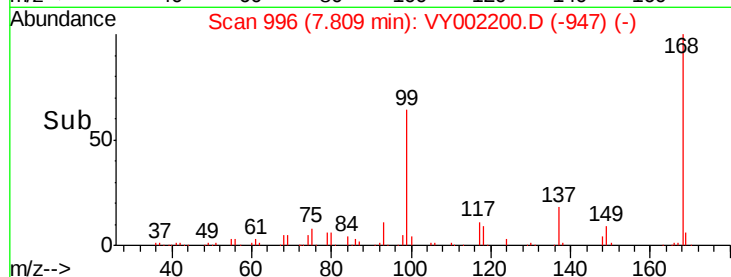
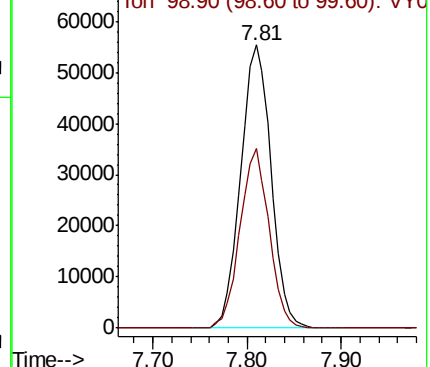
Ion Ratio Lower Upper

168 100

99 63.7 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002200.D (-985) (-)



#16

Acetone

Concen: 1.840 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002200.D

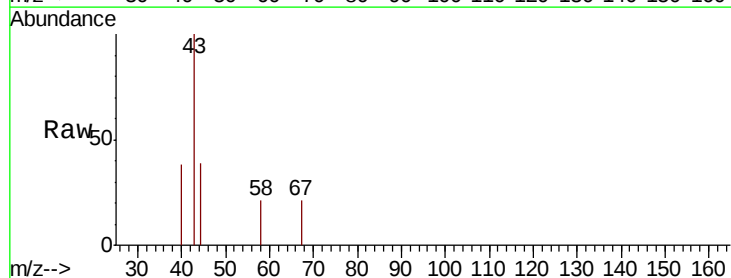
Acq: 02 Apr 2020 18:13

Tgt Ion: 43 Resp: 712

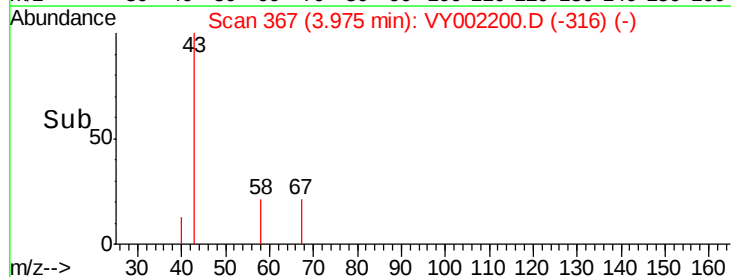
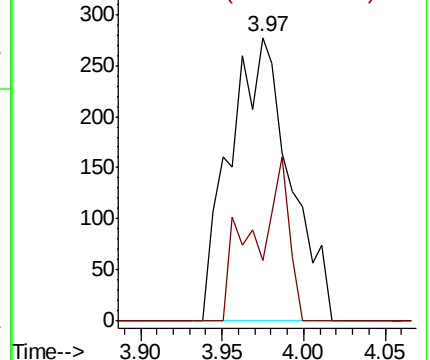
Ion Ratio Lower Upper

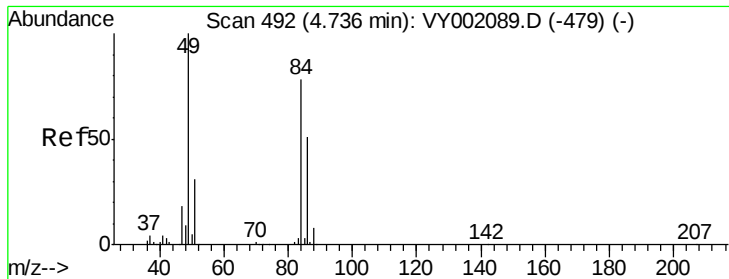
43 100

58 21.2 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VY002200.D (-349) (-)

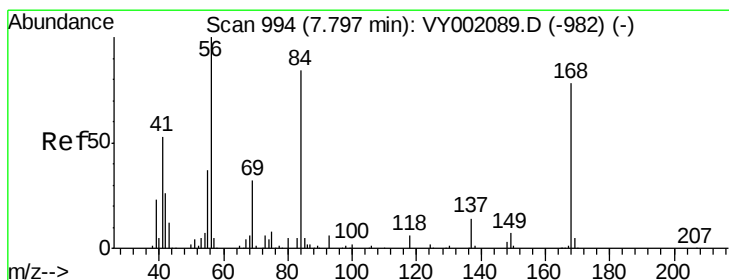
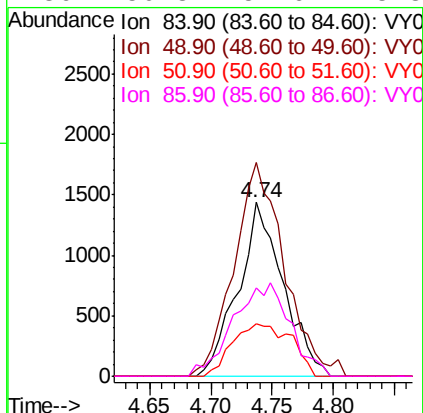
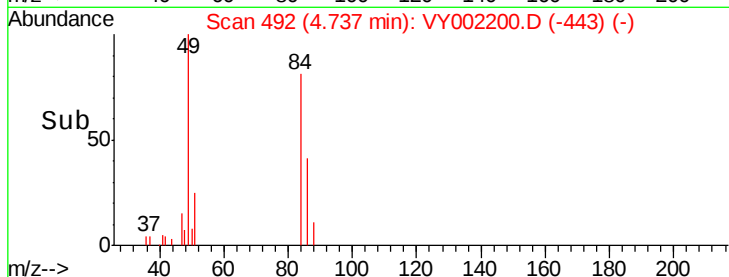
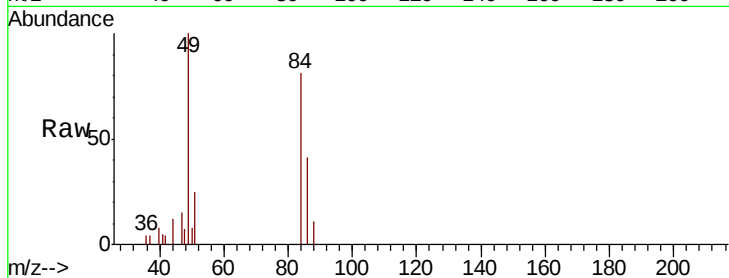




#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 492
Delta R.T. 0.00 min
Lab File: VY002200.D
Acq: 02 Apr 2020 18:13

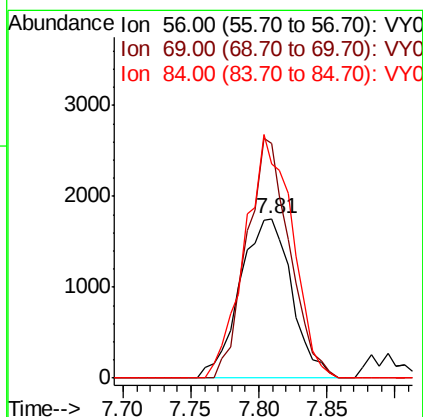
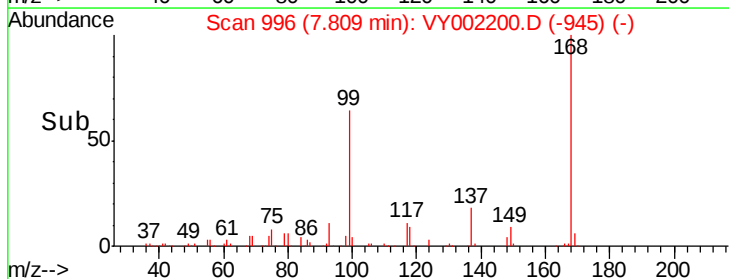
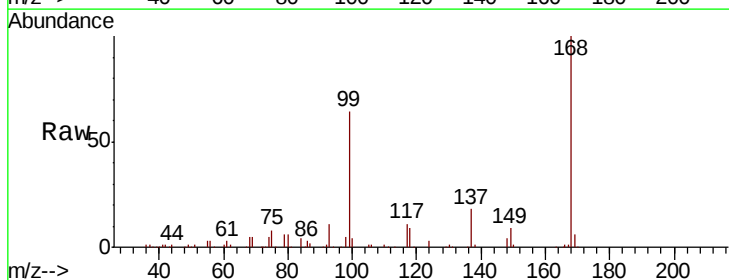
Instrument :
MSVOA_Y
ClientSampleId :

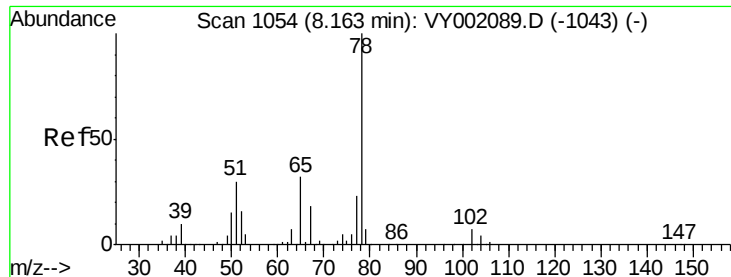
Tot Ion	84	Resp	3693
Ion	Ratio	Lower	Upper
84	100		
49	123.1	102.2	153.4
51	30.3	31.2	46.8#
86	50.8	52.6	78.8#



#31
Cyclohexane
Concen: 1.628 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY002200.D
Acq: 02 Apr 2020 18:13

Tgt Ion	56	Resp	4671
Ion	Ratio	Lower	Upper
56	100		
69	146.9	25.8	38.8#
84	134.6	67.1	100.7#





#33

1,2-Dichloroethane-d4

Concen: 59.292 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002200.D

Acq: 02 Apr 2020 18:13

Instrument :

MSVOA_Y

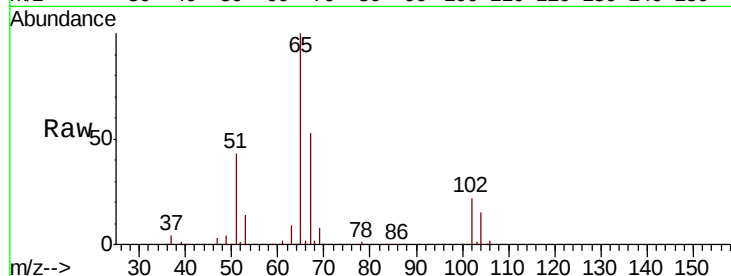
ClientSampleId :

Tot Ion: 65 Resp: 81658

Ion Ratio Lower Upper

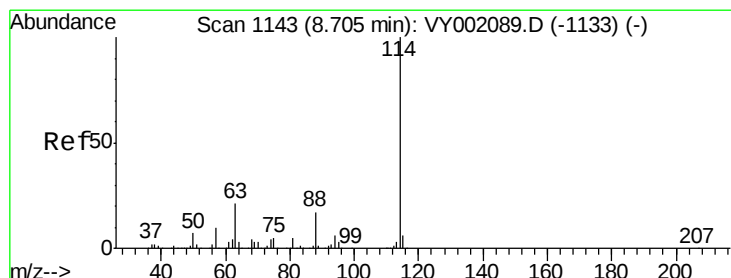
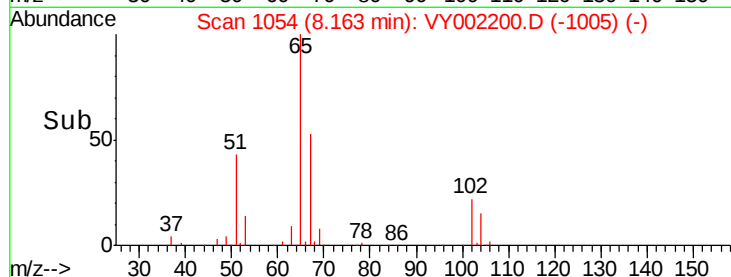
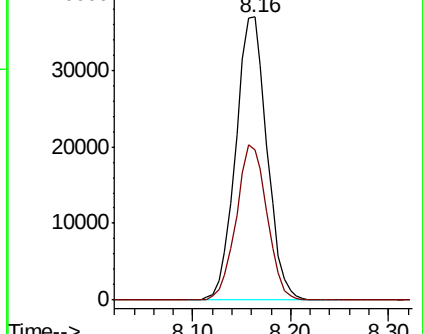
65 100

67 54.1 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY002200.D

Acq: 02 Apr 2020 18:13

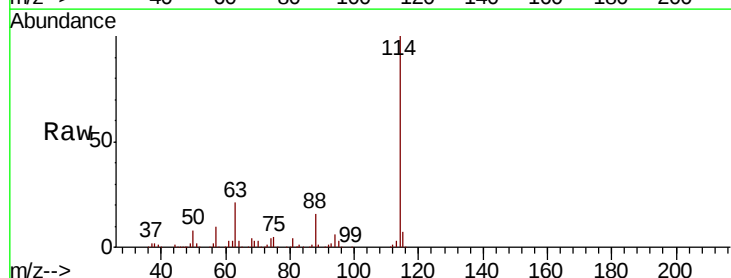
Tgt Ion: 114 Resp: 246100

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.4

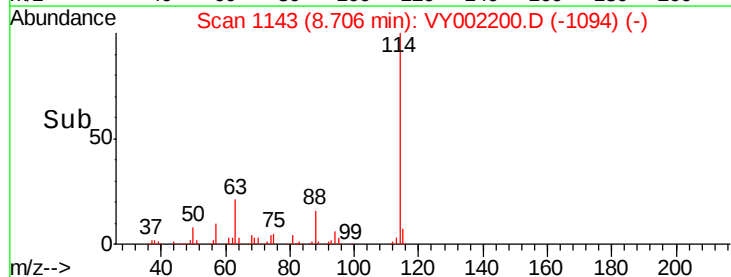
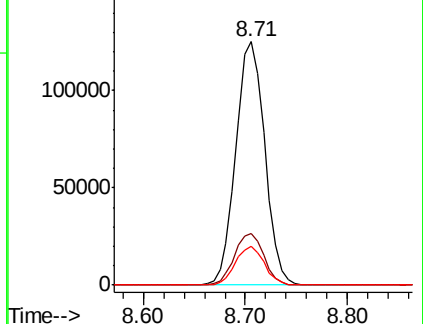
88 16.2 0.0 33.0

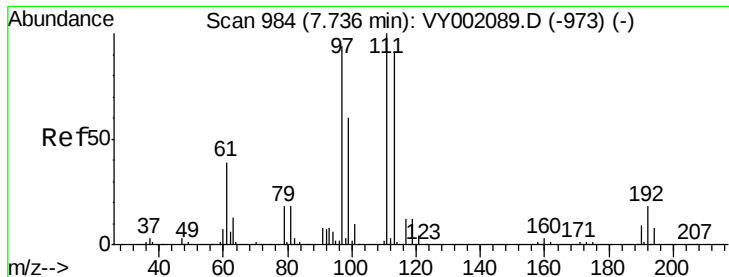


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 53.116 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002200.D

Acq: 02 Apr 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

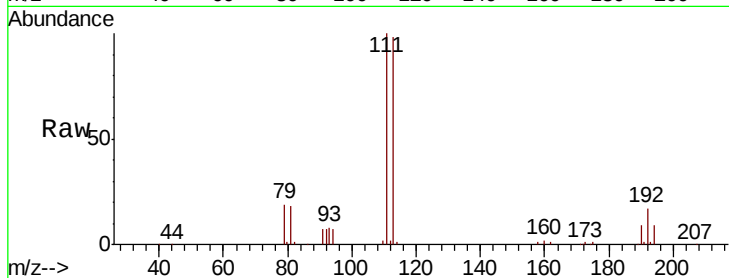
Tot Ion:113 Resp: 73243

Ion Ratio Lower Upper

113 100

111 102.9 84.4 126.6

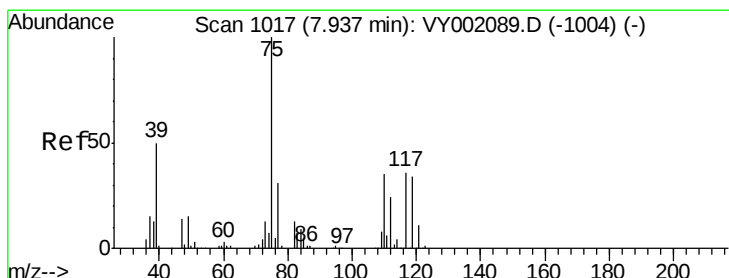
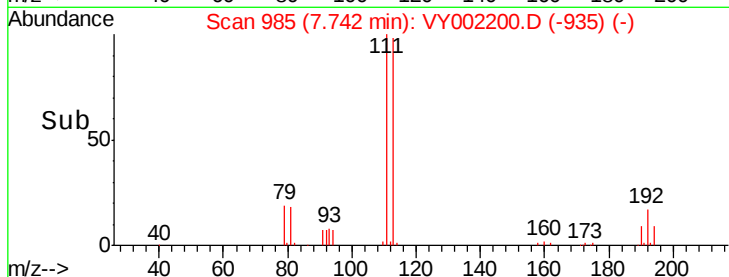
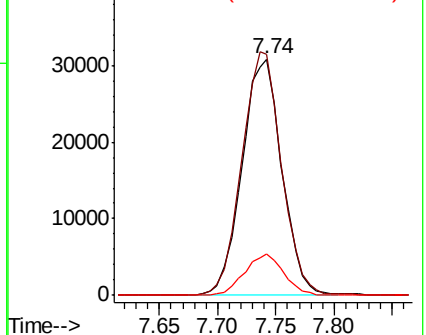
192 17.3 14.6 21.8



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: 4.658 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002200.D

Acq: 02 Apr 2020 18:13

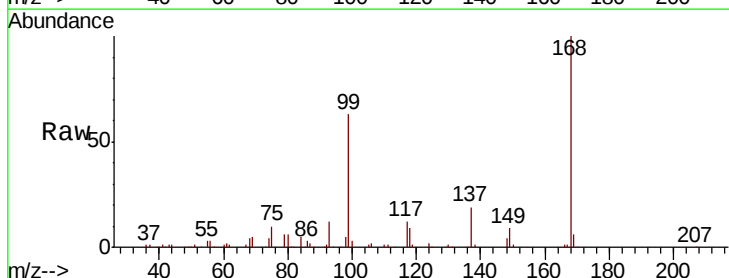
Tgt Ion: 75 Resp: 10842

Ion Ratio Lower Upper

75 100

110 8.5 17.2 51.6#

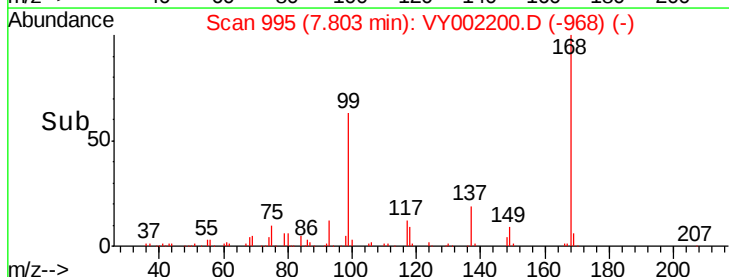
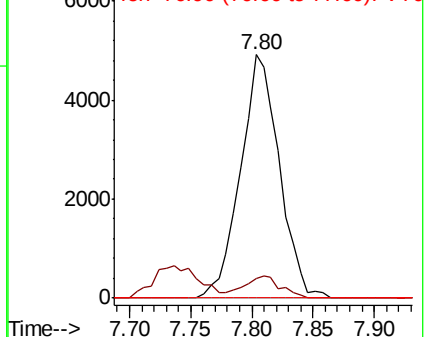
77 0.0 24.7 37.1#

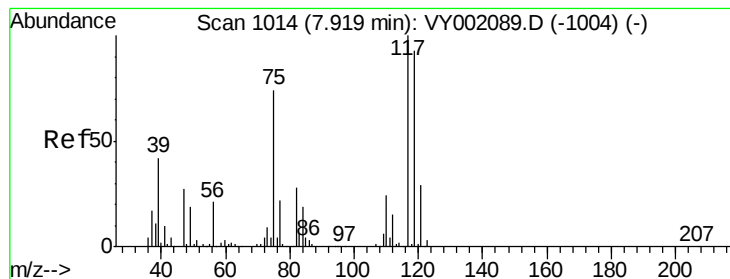


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.663 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002200.D

Acq: 02 Apr 2020 18:13

Instrument :

MSVOA_Y

ClientSampleId :

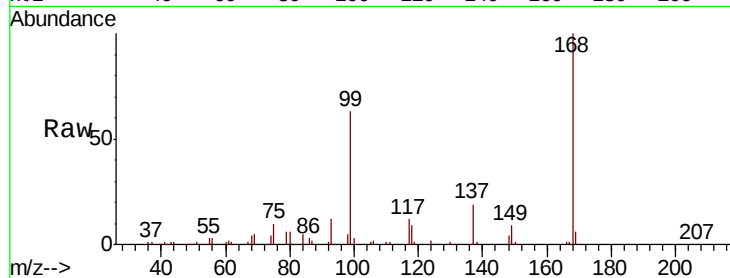
Tot Ion:117 Resp: 13159

Ion Ratio Lower Upper

117 100

119 5.6 74.3 111.5#

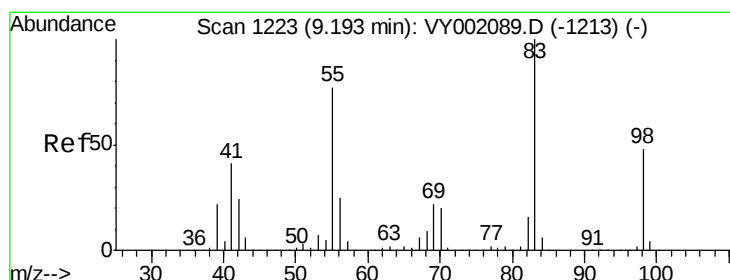
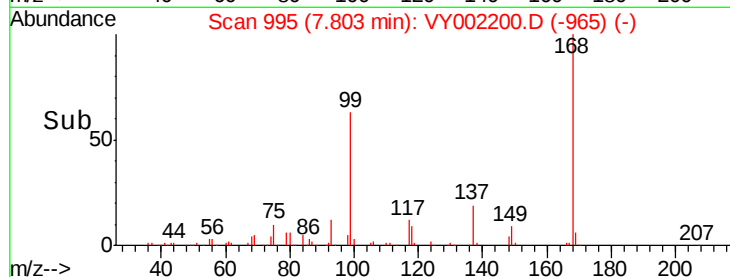
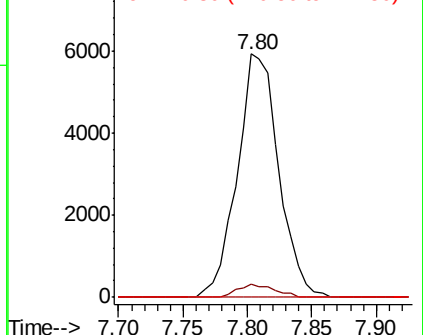
121 0.0 23.3 34.9#



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



#39

Methylcyclohexane

Concen: 1.045 ug/l

RT: 9.20 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VY002200.D

Acq: 02 Apr 2020 18:13

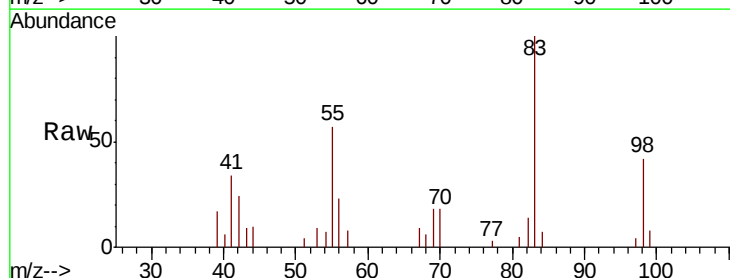
Tgt Ion: 83 Resp: 3192

Ion Ratio Lower Upper

83 100

55 57.4 61.2 91.8#

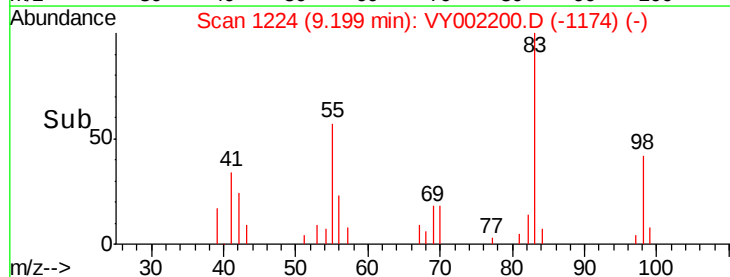
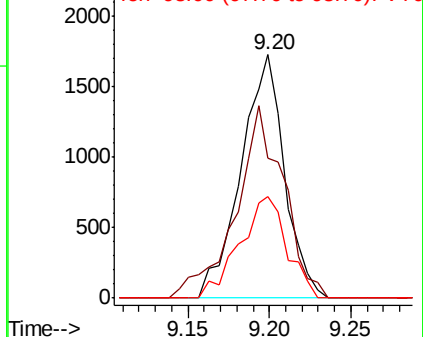
98 41.8 38.2 57.2

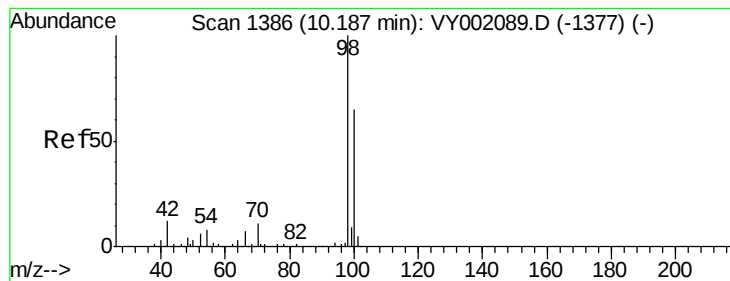


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#50

Toluene-d8

Concen: 52.700 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002200.D

Acq: 02 Apr 2020 18:13

Instrument :

MSVOA_Y

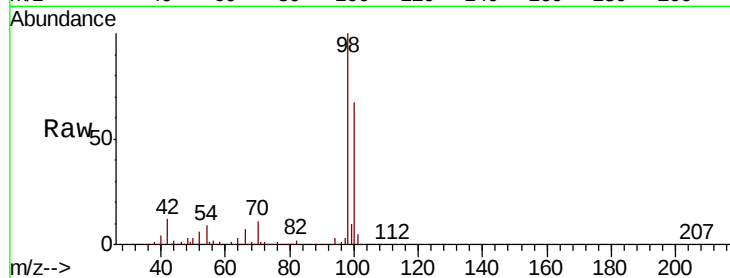
ClientSampleId :

Tot Ion: 98 Resp: 301887

Ion Ratio Lower Upper

98 100

100 65.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY002200.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY002200.D (-1377) (-)

10.19

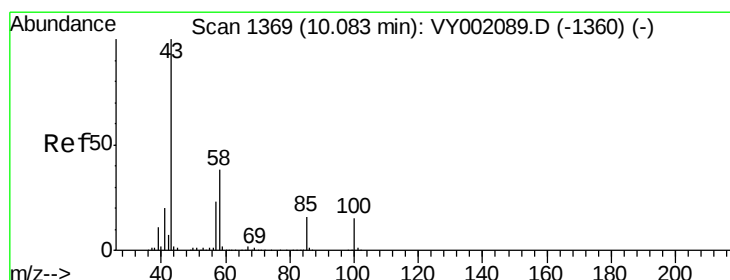
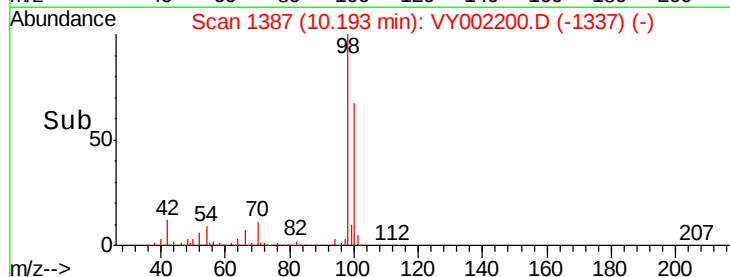
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.247 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY002200.D

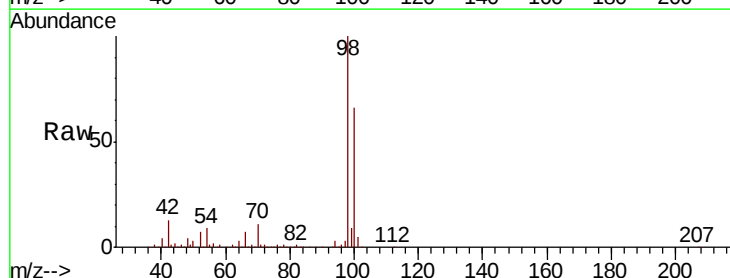
Acq: 02 Apr 2020 18:13

Tgt Ion: 43 Resp: 1677

Ion Ratio Lower Upper

43 100

58 162.1 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VY002200.D (-1320) (-)

Ion 58.00 (57.70 to 58.70): VY002200.D (-1320) (-)

2000

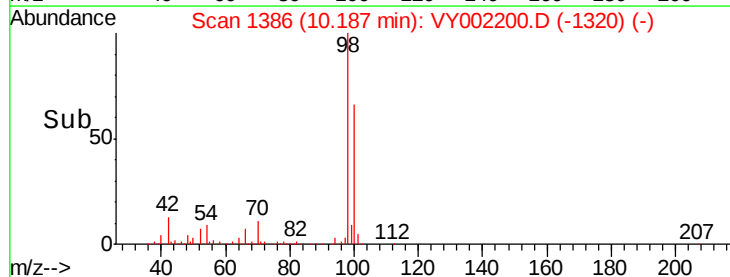
1500

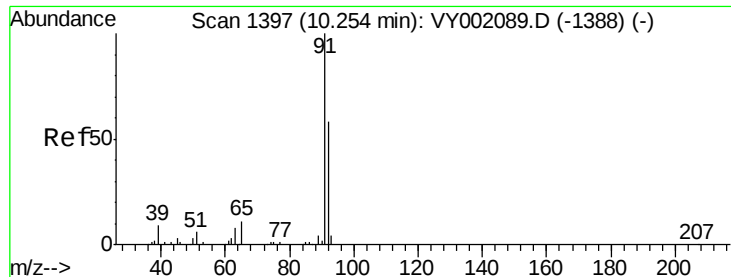
1000

500

0

Time-->





#52

Toluene

Concen: 1.297 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VY002200.D

Acq: 02 Apr 2020 18:13

Instrument :

MSVOA_Y

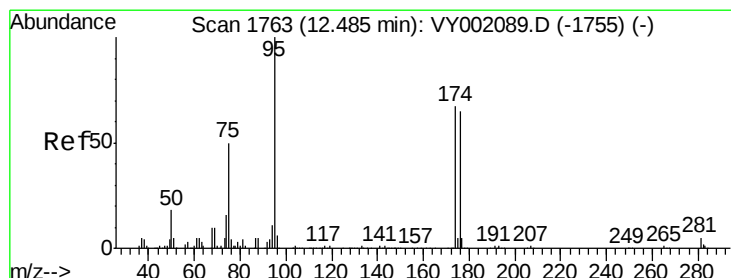
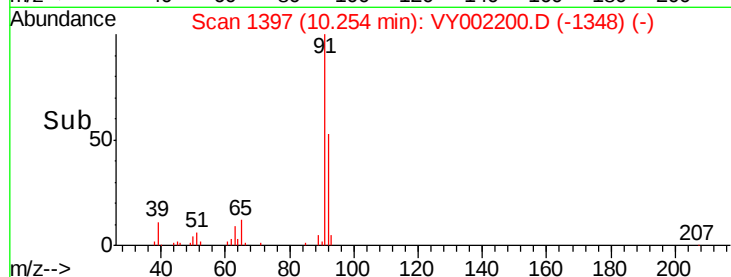
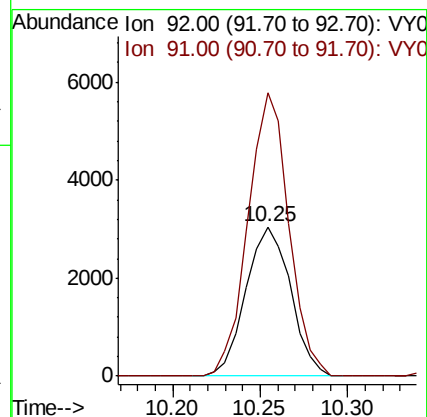
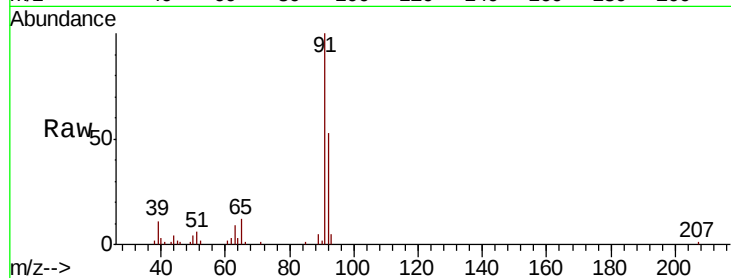
ClientSampleId :

Tot Ion: 92 Resp: 5411

Ion Ratio Lower Upper

92 100

91 173.2 139.3 208.9



#62

4-Bromofluorobenzene

Concen: 50.439 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002200.D

Acq: 02 Apr 2020 18:13

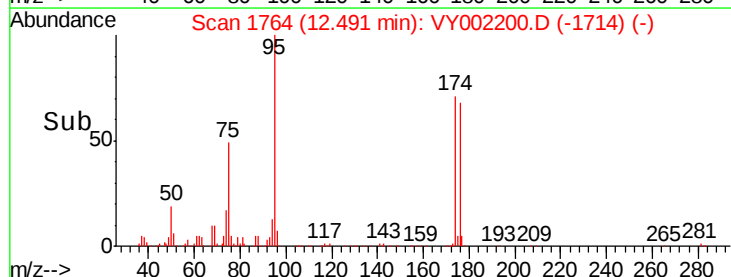
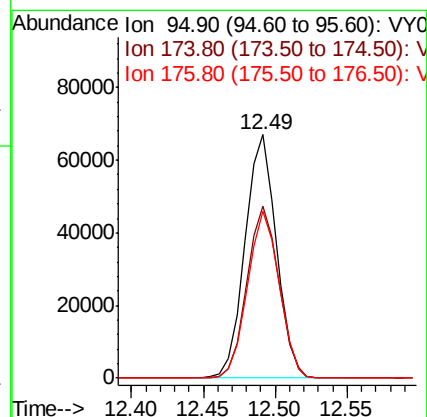
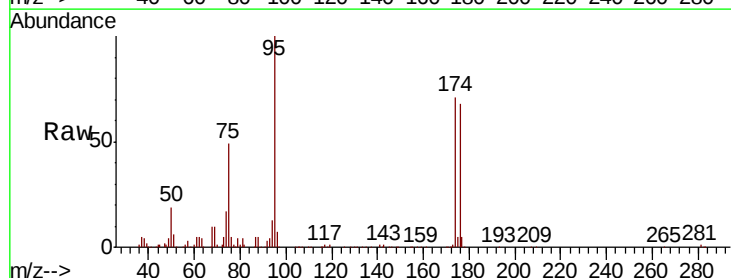
Tgt Ion: 95 Resp: 101051

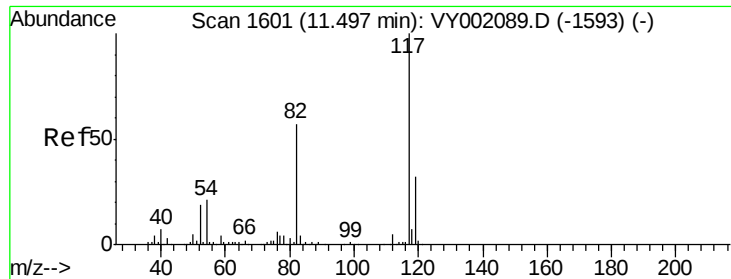
Ion Ratio Lower Upper

95 100

174 71.4 0.0 143.4

176 69.2 0.0 137.0

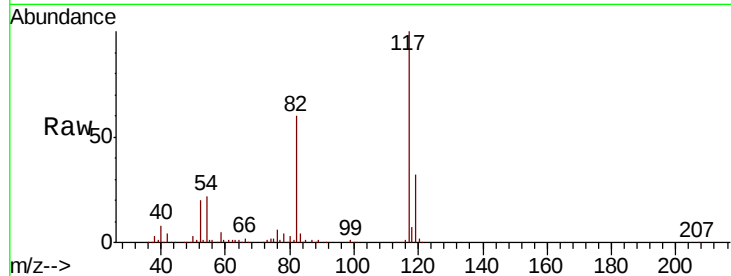




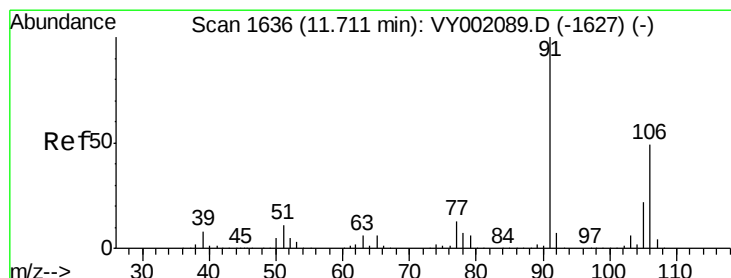
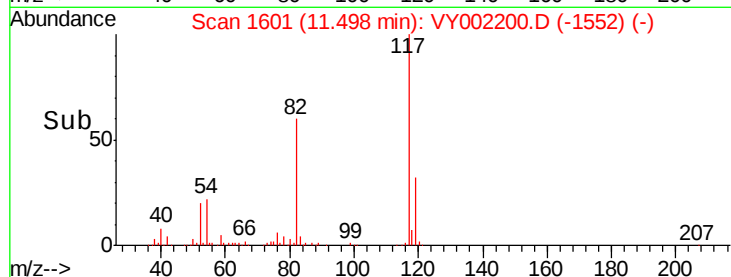
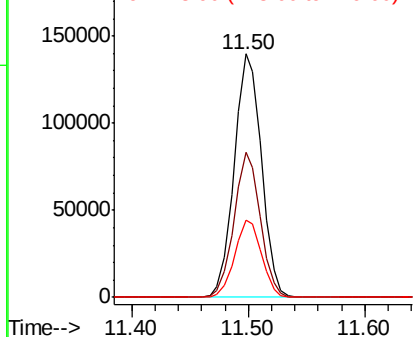
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002200.D
Acq: 02 Apr 2020 18:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 227324
Ion Ratio Lower Upper
117 100
82 59.7 45.4 68.2
119 31.9 25.3 37.9

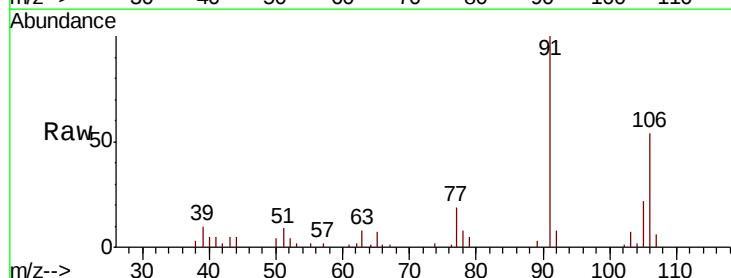


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

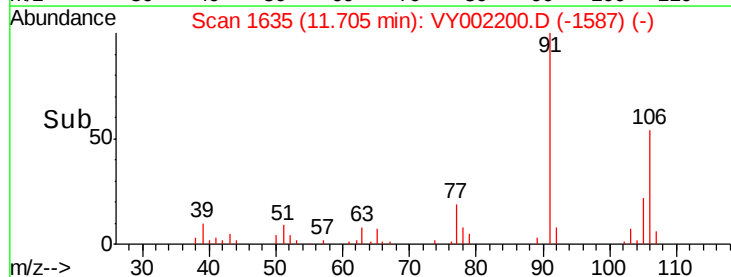
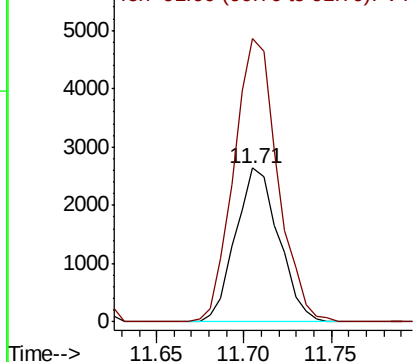


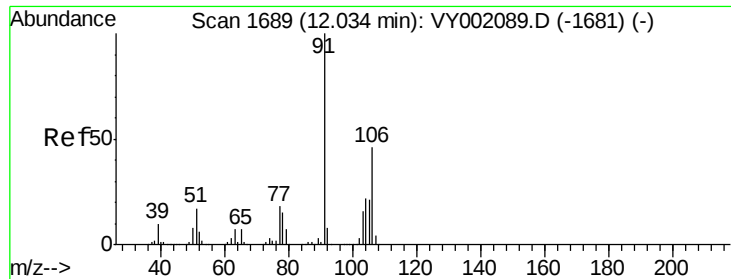
#68
m/p-Xylenes
Concen: 1.503 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002200.D
Acq: 02 Apr 2020 18:13

Tgt Ion:106 Resp: 4530
Ion Ratio Lower Upper
106 100
91 186.6 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

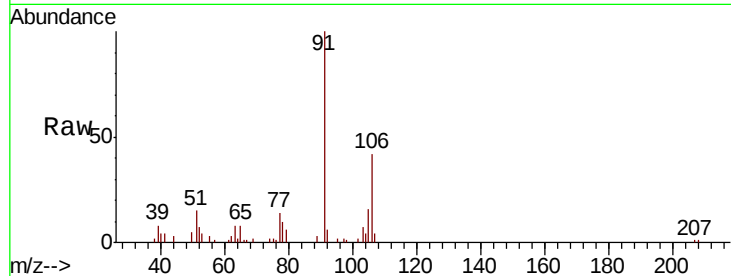




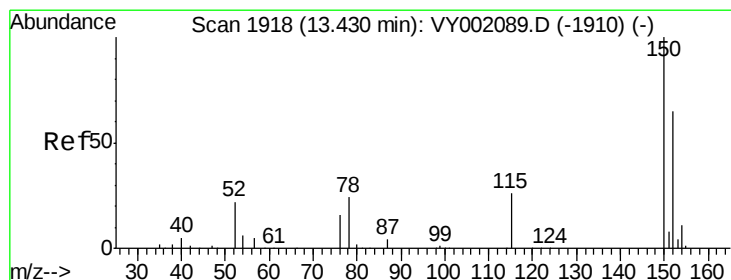
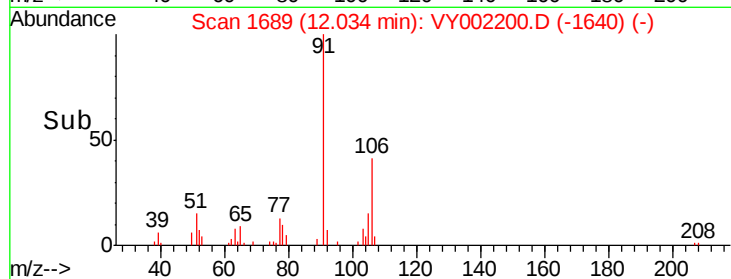
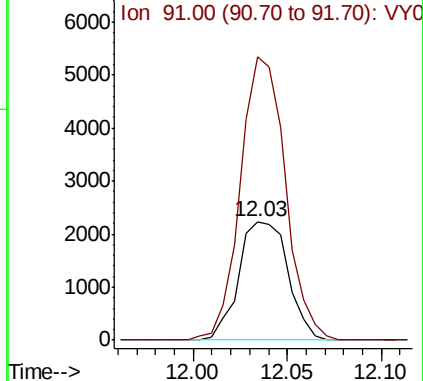
#69
o-Xylene
Concen: 1.412 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY002200.D
Acq: 02 Apr 2020 18:13

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 4036
Ion Ratio Lower Upper
106 100
91 219.3 107.3 321.8

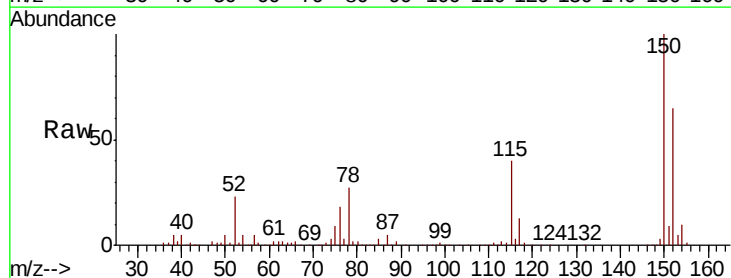


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

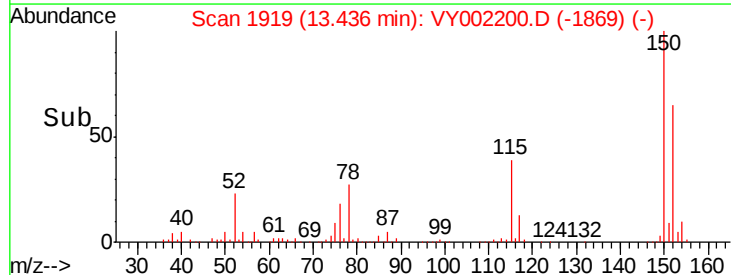
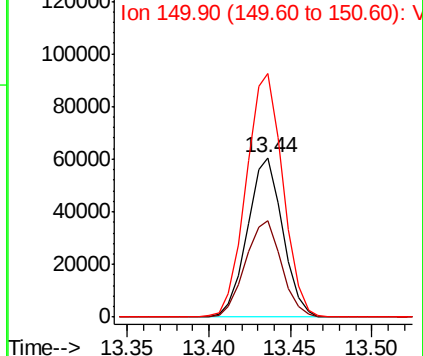


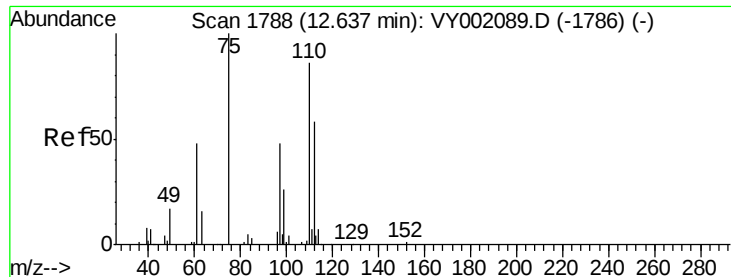
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002200.D
Acq: 02 Apr 2020 18:13

Tgt Ion:152 Resp: 91083
Ion Ratio Lower Upper
152 100
115 62.2 31.2 93.6
150 158.3 0.0 354.8



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





#76

1,2,3-Trichloropropane

Concen: 50.806 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002200.D

Acq: 02 Apr 2020 18:13

Instrument :

MSVOA_Y

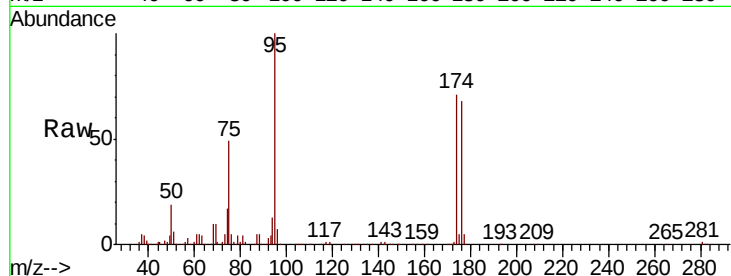
ClientSampleId :

Tot Ion: 75 Resp: 51764

Ion Ratio Lower Upper

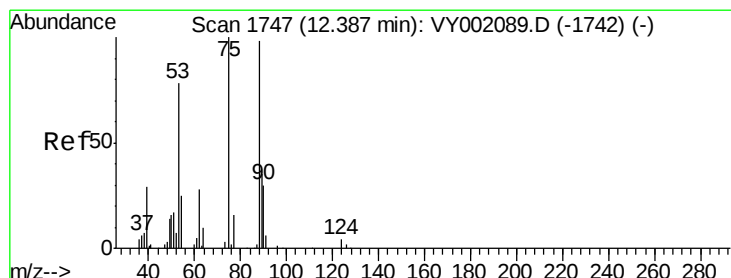
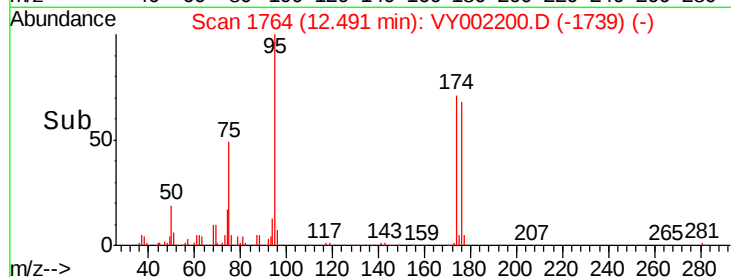
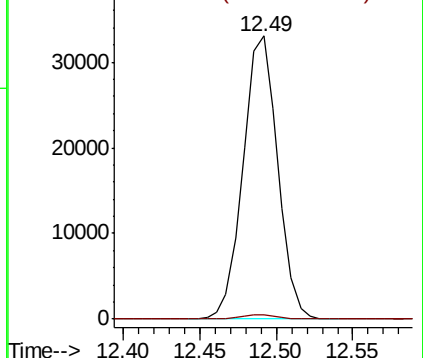
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 98.430 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002200.D

Acq: 02 Apr 2020 18:13

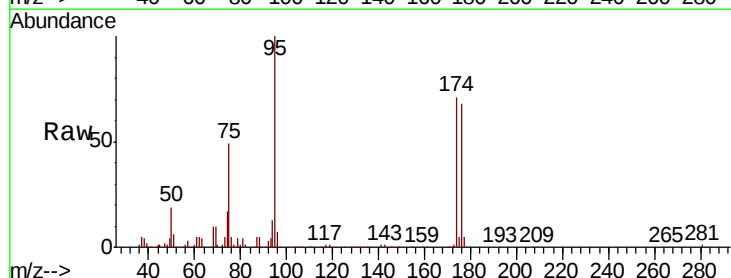
Tgt Ion: 75 Resp: 51764

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

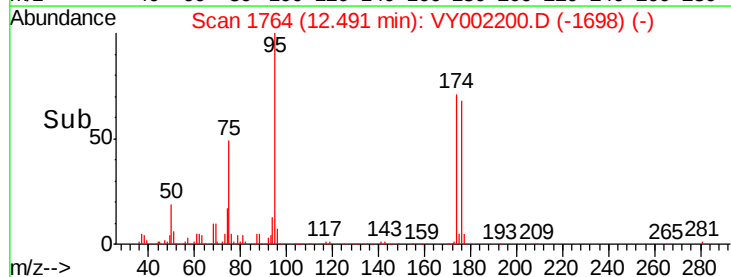
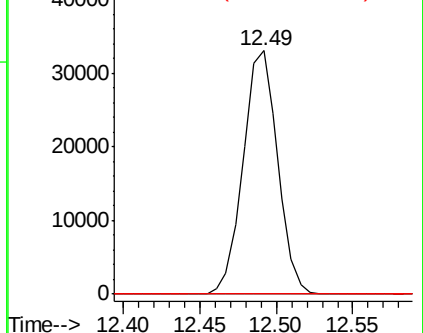
89 0.1 33.4 50.0#

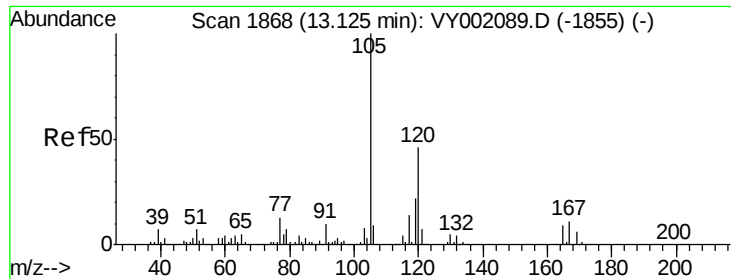


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

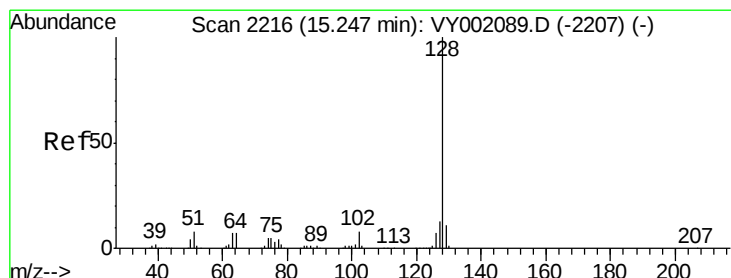
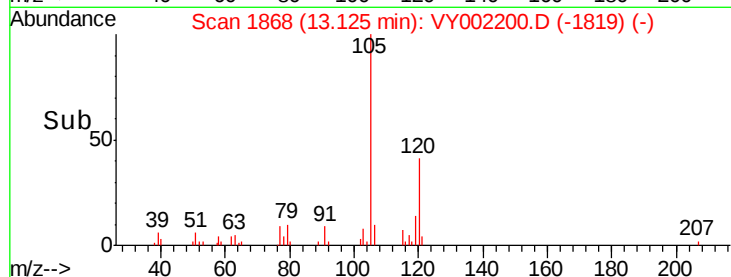
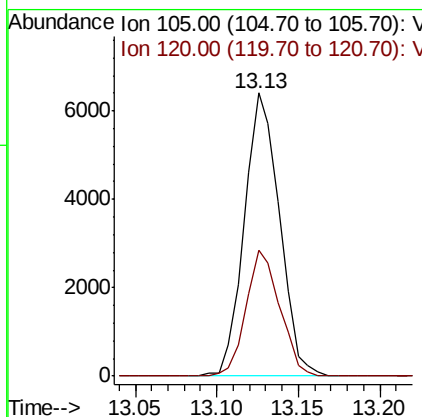
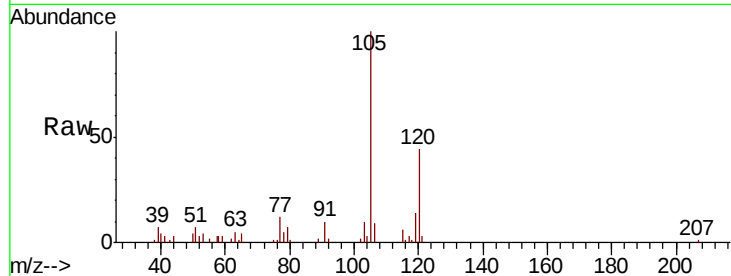




#84
 1,2,4-Trimethylbenzene
 Concen: 1.731 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VY002200.D
 Acq: 02 Apr 2020 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:105 Resp: 9630
 Ion Ratio Lower Upper
 105 100
 120 42.7 22.9 68.5



#95
 Naphthalene
 Concen: 78.865 ug/l
 RT: 15.25 min Scan# 2216
 Delta R.T. 0.00 min
 Lab File: VY002200.D
 Acq: 02 Apr 2020 18:13

Tgt Ion:128 Resp: 314600
 Ion Ratio Lower Upper
 128 100
 127 12.4 9.8 14.8
 129 11.1 8.6 13.0

