

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
 Data File : VY001113.D
 Acq On : 27 Dec 2019 20:52
 Operator : SY/MD
 Sample : K6447-01
 Misc : 7.15G/5ML/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR31-48

Quant Time: Dec 28 04:07:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

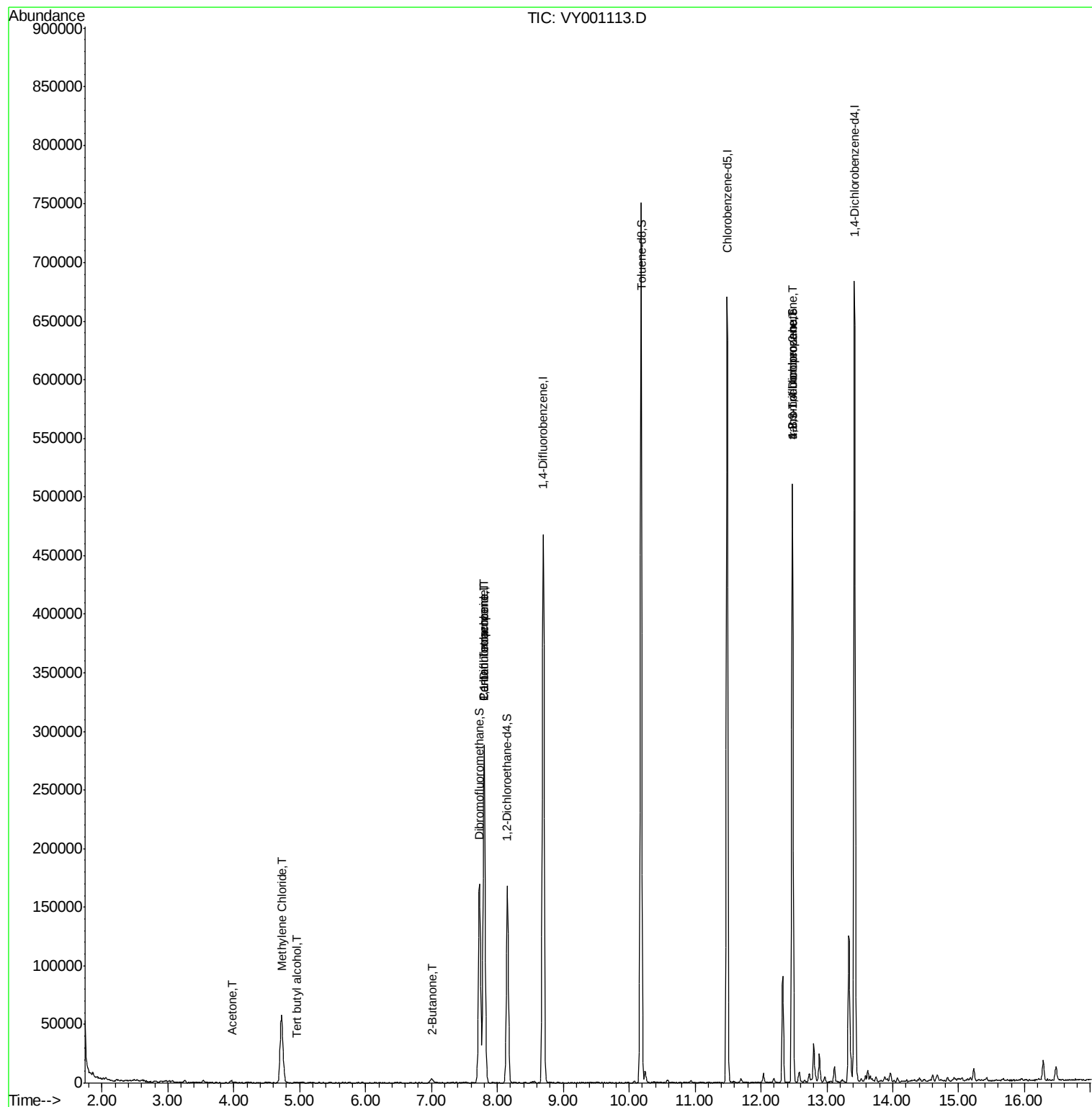
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	226162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	425135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	381477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	172253	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	118804	53.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.52%	
35) Dibromofluoromethane	7.72	113	123042	49.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.30%	
50) Toluene-d8	10.18	98	495429	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.48	95	161569	45.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.34%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.96	59	307	1.252	ug/l #	74
16) Acetone	3.97	43	3411	6.638	ug/l	94
20) Methylene Chloride	4.72	84	46576	15.399	ug/l	86
25) 2-Butanone	7.02	43	1363	1.510	ug/l #	57
36) 1,1-Dichloropropene	7.80	75	17224	4.247	ug/l #	49
38) Carbon Tetrachloride	7.80	117	22951	6.459	ug/l #	16
76) 1,2,3-Trichloropropane	12.47	75	78831	37.123	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.47	75	78831	79.174	ug/l #	19

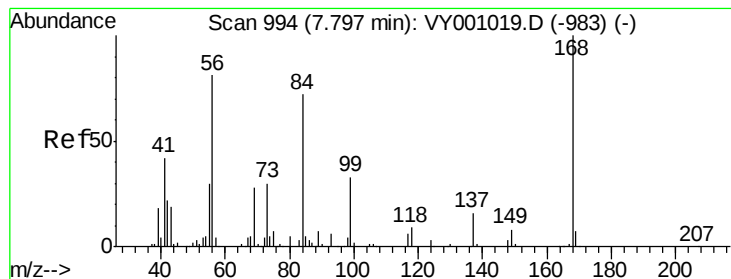
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001113.D

Acq: 27 Dec 2019 20:52

Instrument :

MSVOA_Y

ClientSampleId :

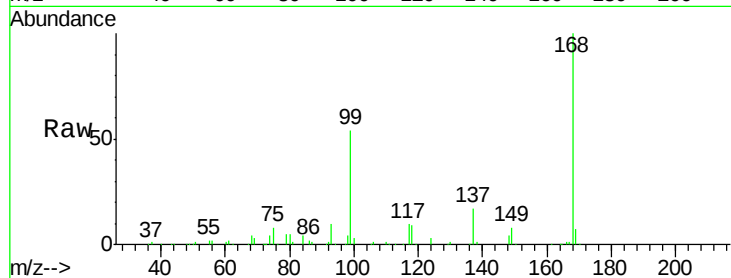
RBR31-48

Tgt Ion:168 Resp: 226162

Ion Ratio Lower Upper

168 100

99 54.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

100000

80000

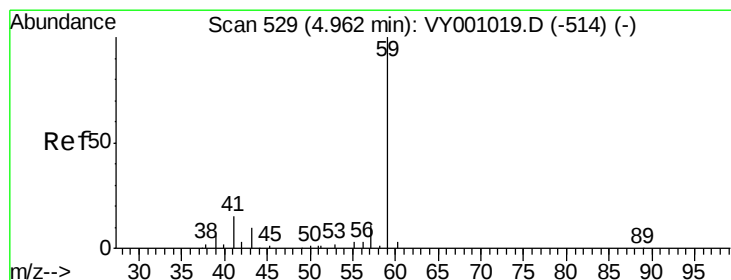
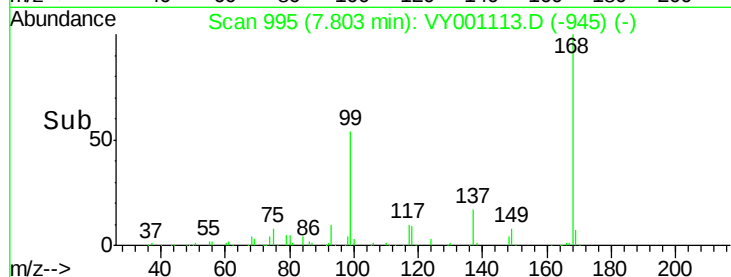
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.252 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY001113.D

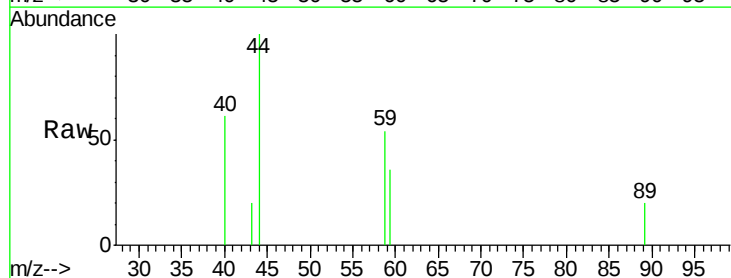
Acq: 27 Dec 2019 20:52

Tgt Ion: 59 Resp: 307

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001019.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY001019.D (-514) (-)

4.96

300

250

200

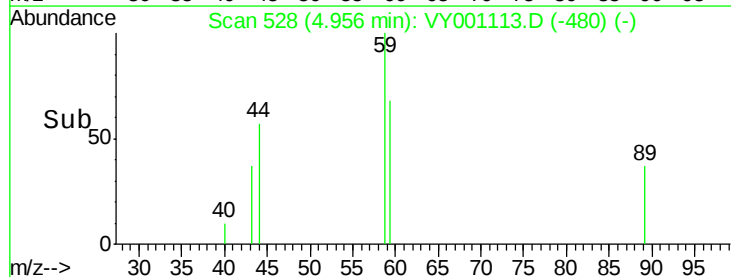
150

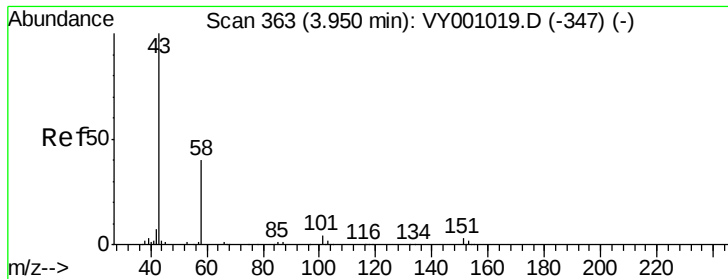
100

50

0

Time-->





#16

Acetone

Concen: 6.638 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY001113.D

Acq: 27 Dec 2019 20:52

Instrument :

MSVOA_Y

ClientSampleId :

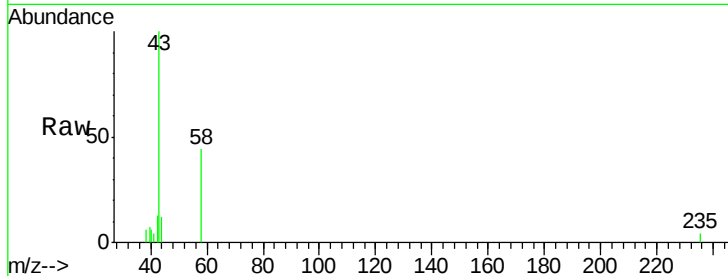
RBR31-48

Tgt Ion: 43 Resp: 3411

Ion Ratio Lower Upper

43 100

58 44.1 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY001113.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001113.D (-347) (-)

3.97

1500

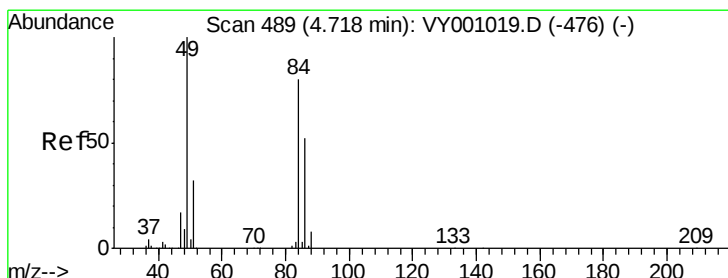
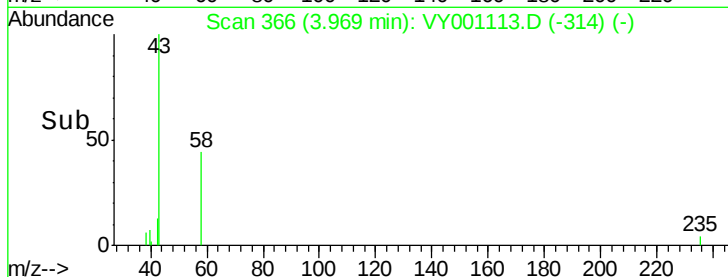
1000

500

0

Time-->

3.90 4.00



#20

Methylene Chloride

Concen: 15.399 ug/l

RT: 4.72 min Scan# 489

Delta R.T. 0.00 min

Lab File: VY001113.D

Acq: 27 Dec 2019 20:52

Tgt Ion: 84 Resp: 46576

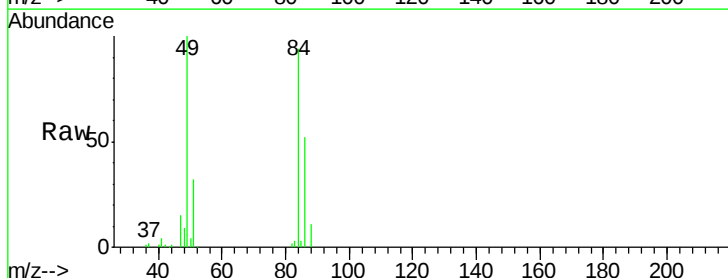
Ion Ratio Lower Upper

84 100

49 106.1 99.8 149.6

51 34.2 31.4 47.2

86 55.0 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VY001113.D (-440) (-)

Ion 48.90 (48.60 to 49.60): VY001113.D (-440) (-)

Ion 50.90 (50.60 to 51.60): VY001113.D (-440) (-)

Ion 85.90 (85.60 to 86.60): VY001113.D (-440) (-)

4.72

25000

20000

15000

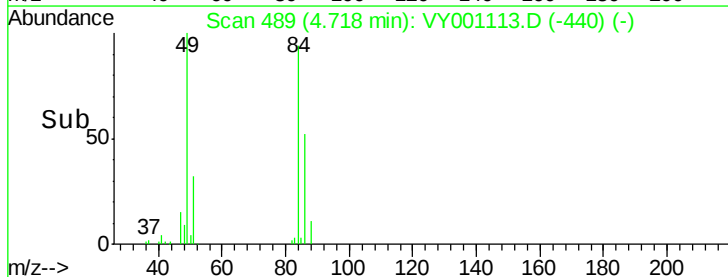
10000

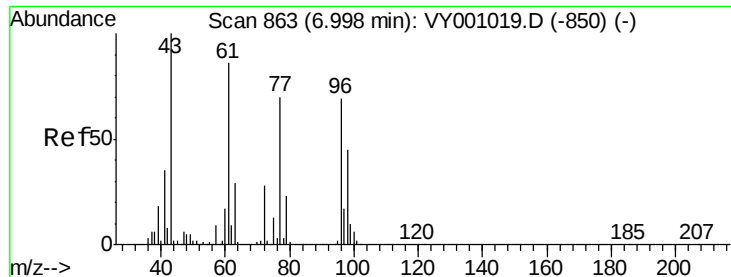
5000

0

Time-->

4.60 4.70 4.80





#25

2-Butanone

Concen: 1.510 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.02 min

Lab File: VY001113.D

Acq: 27 Dec 2019 20:52

Instrument :

MSVOA_Y

ClientSampleId :

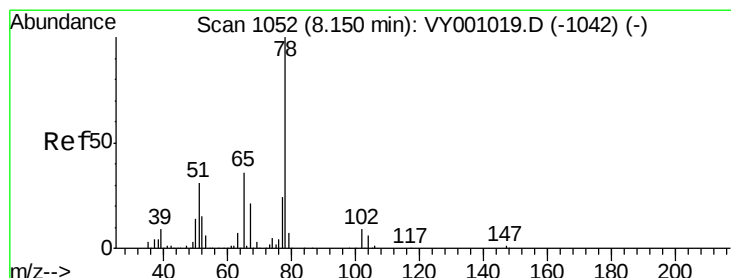
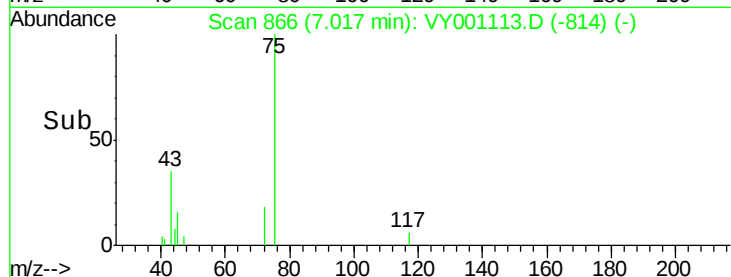
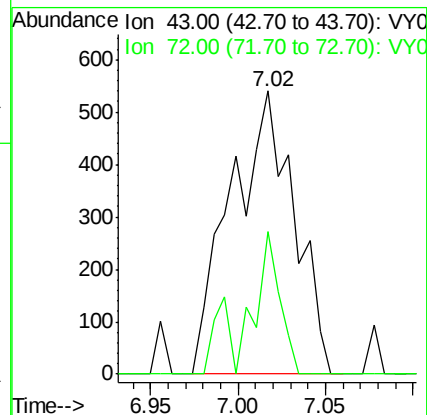
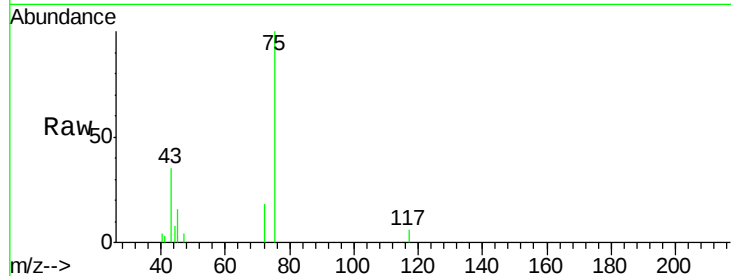
RBR31-48

Tgt Ion: 43 Resp: 1363

Ion Ratio Lower Upper

43 100

72 50.6 22.4 33.6#



#33

1,2-Dichloroethane-d4

Concen: 53.261 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001113.D

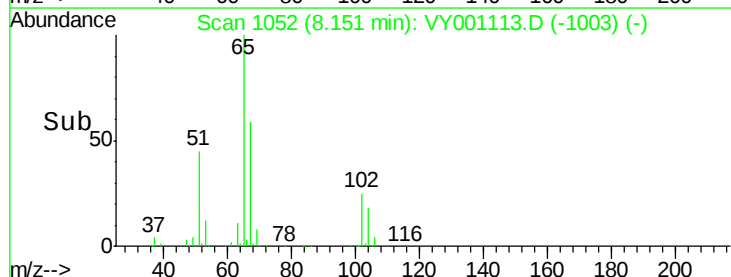
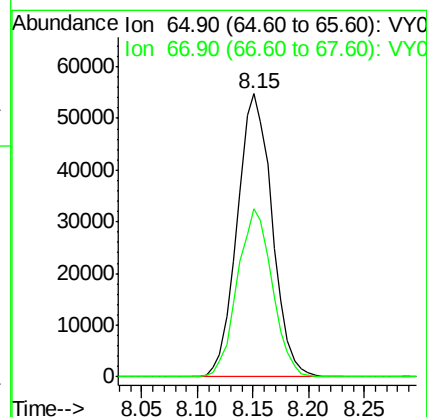
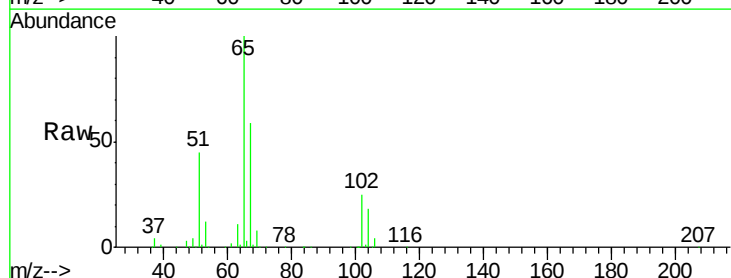
Acq: 27 Dec 2019 20:52

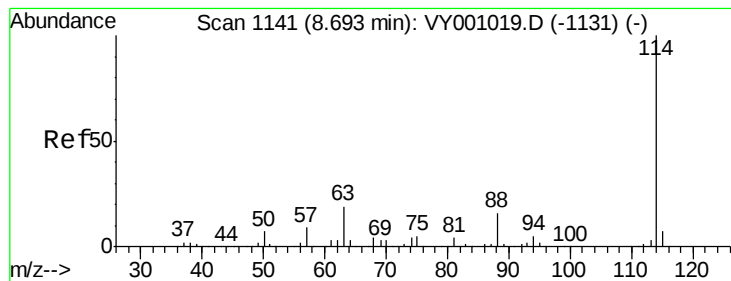
Tgt Ion: 65 Resp: 118804

Ion Ratio Lower Upper

65 100

67 59.6 0.0 112.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001113.D

Acq: 27 Dec 2019 20:52

Instrument :

MSVOA_Y

ClientSampleId :

RBR31-48

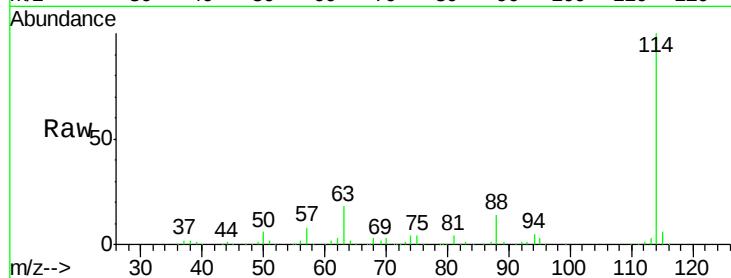
Tgt Ion:114 Resp: 425135

Ion Ratio Lower Upper

114 100

63 17.7 0.0 37.0

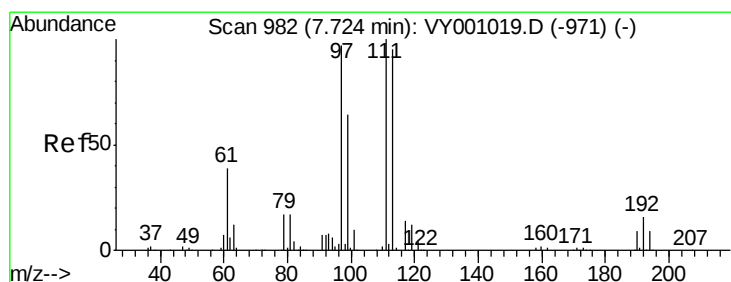
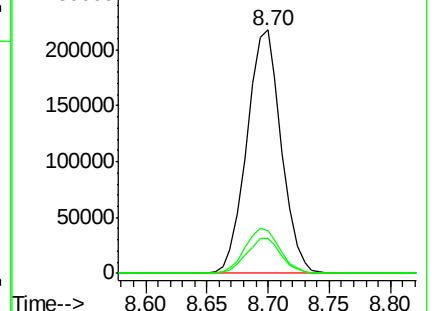
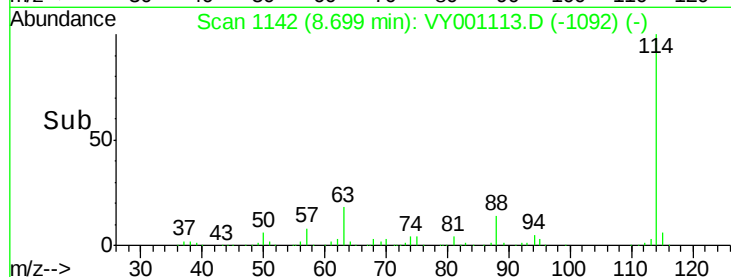
88 14.2 0.0 32.0



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: 49.149 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001113.D

Acq: 27 Dec 2019 20:52

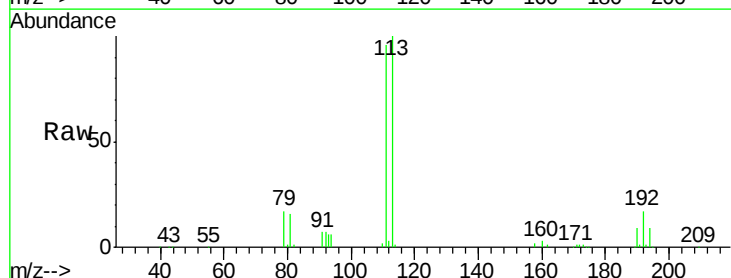
Tgt Ion:113 Resp: 123042

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.4

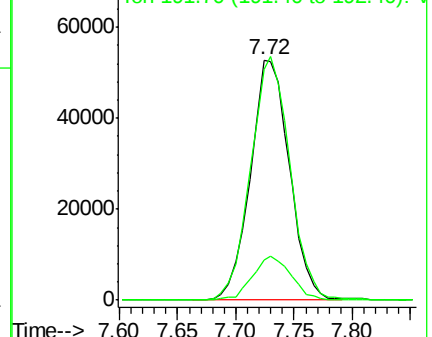
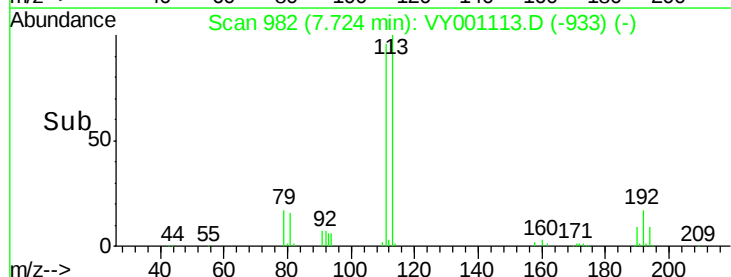
192 18.1 14.6 21.8

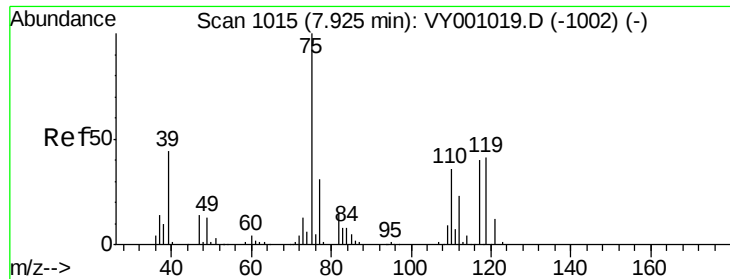


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.247 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001113.D

Acq: 27 Dec 2019 20:52

Instrument :

MSVOA_Y

ClientSampled :

RBR31-48

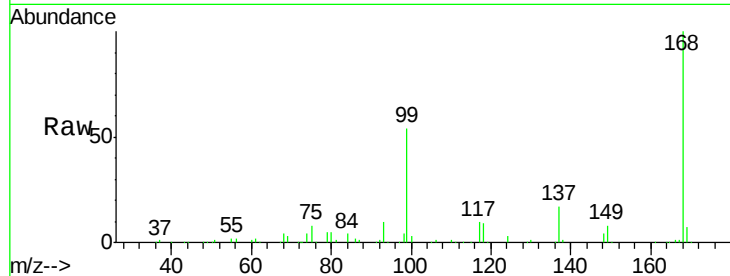
Tgt Ion: 75 Resp: 17224

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

77 0.0 24.6 37.0#

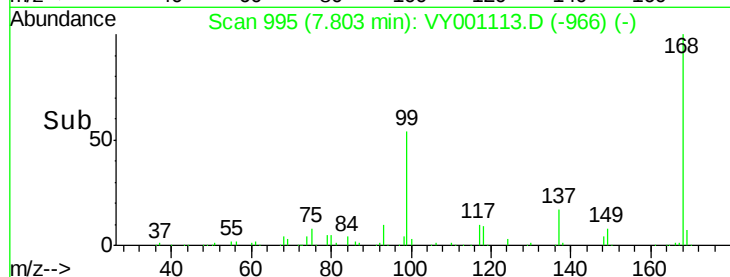


Abundance Ion 74.90 (74.60 to 75.60): VY001113.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY001113.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY001113.D (-966) (-)

Time-->

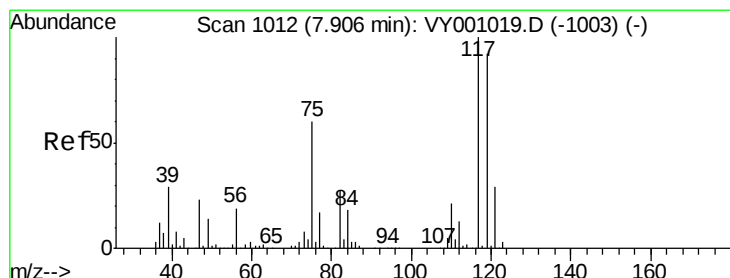


Abundance Ion 74.90 (74.60 to 75.60): VY001113.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY001113.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY001113.D (-966) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.459 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY001113.D

Acq: 27 Dec 2019 20:52

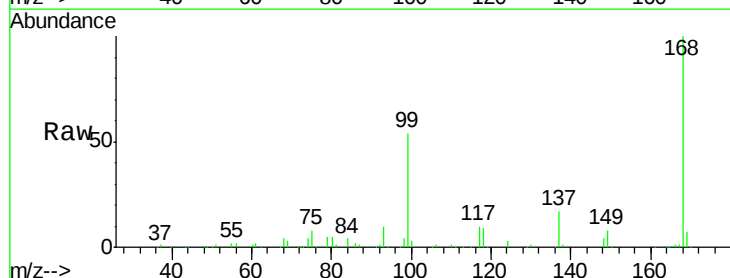
Tgt Ion: 117 Resp: 22951

Ion Ratio Lower Upper

117 100

119 3.9 74.2 111.2#

121 0.0 22.9 34.3#

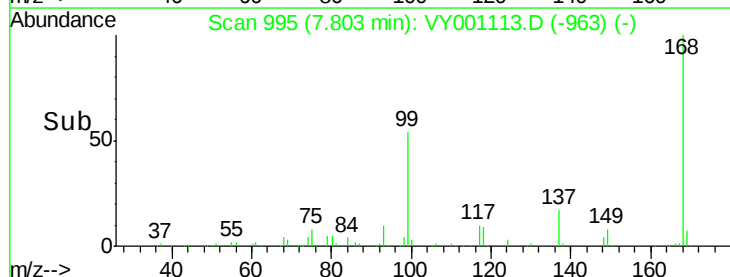


Abundance Ion 116.80 (116.50 to 117.50): VY001113.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY001113.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY001113.D (-963) (-)

Time-->

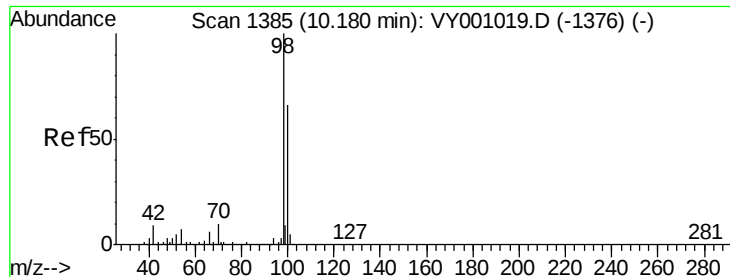


Abundance Ion 116.80 (116.50 to 117.50): VY001113.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY001113.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY001113.D (-963) (-)

Time-->



#50

Toluene-d8

Concen: 50.640 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001113.D

Acq: 27 Dec 2019 20:52

Instrument :

MSVOA_Y

ClientSampleId :

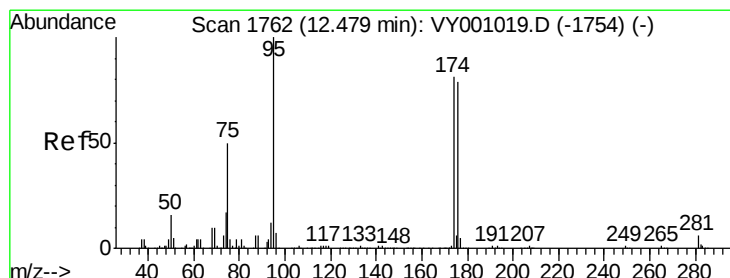
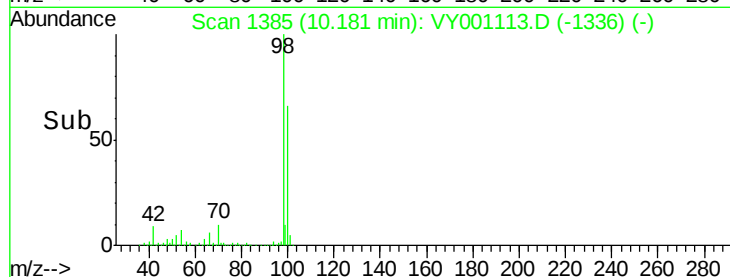
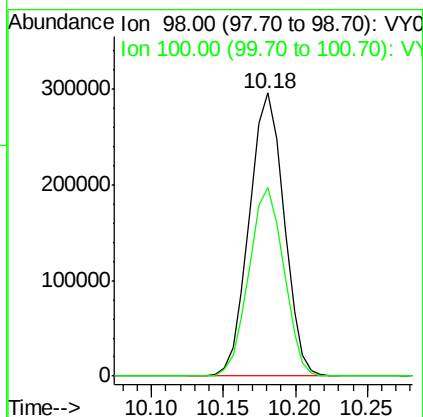
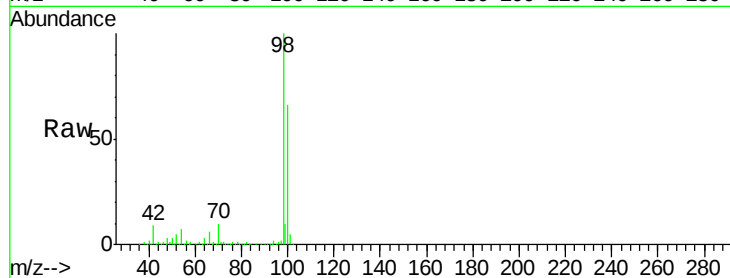
RBR31-48

Tgt Ion: 98 Resp: 495429

Ion Ratio Lower Upper

98 100

100 66.8 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 45.169 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001113.D

Acq: 27 Dec 2019 20:52

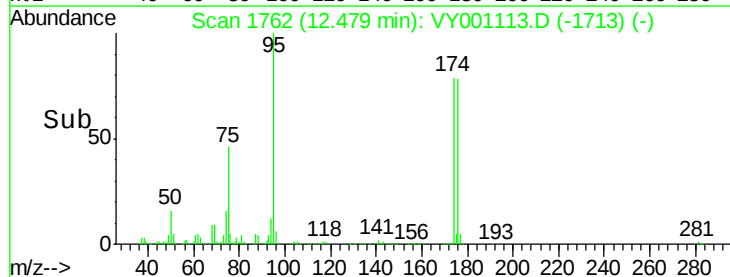
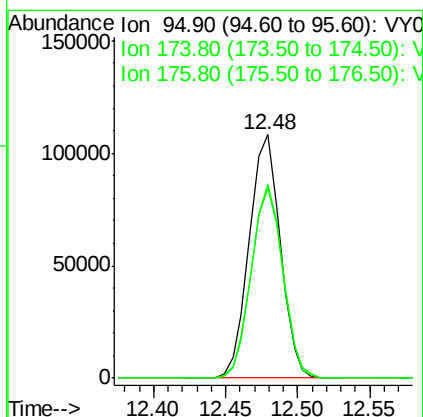
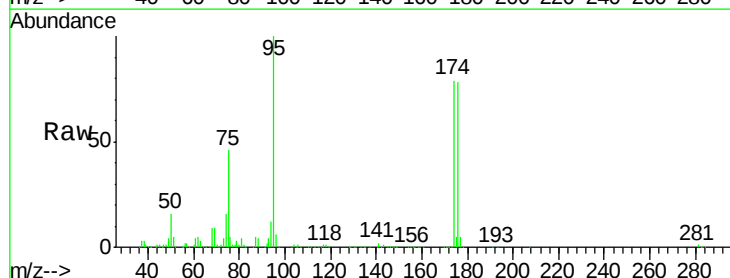
Tgt Ion: 95 Resp: 161569

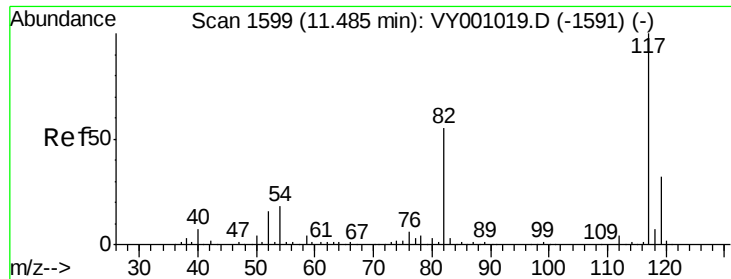
Ion Ratio Lower Upper

95 100

174 80.8 0.0 156.4

176 79.2 0.0 155.0

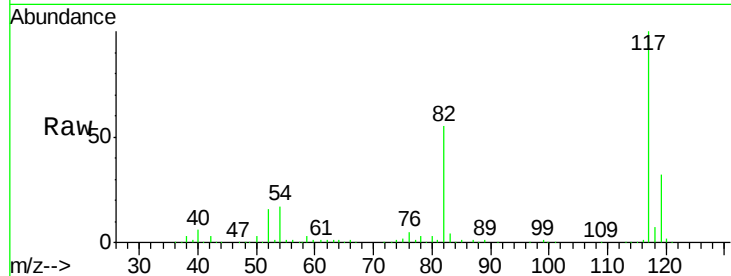




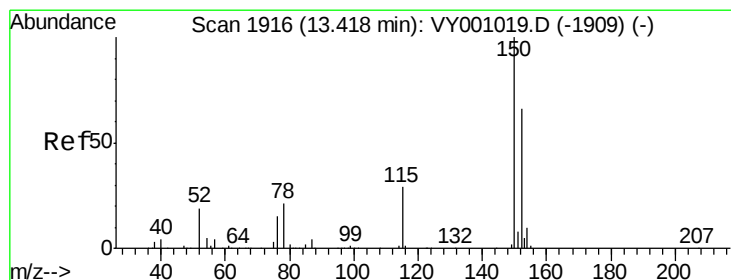
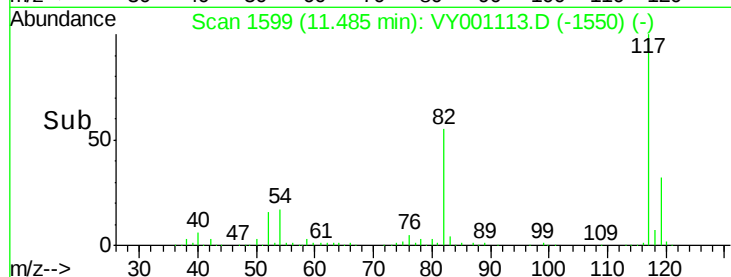
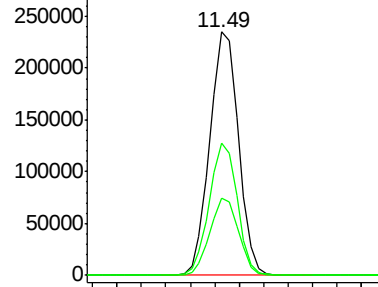
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001113.D
Acq: 27 Dec 2019 20:52

Instrument :
MSVOA_Y
ClientSampleId :
RBR31-48

Tgt Ion:117 Resp: 381477
Ion Ratio Lower Upper
117 100
82 54.6 43.8 65.8
119 31.9 25.8 38.6

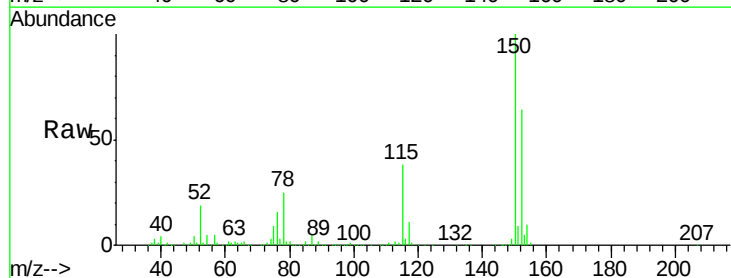


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

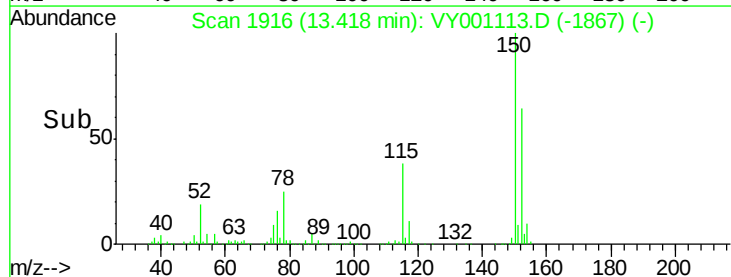
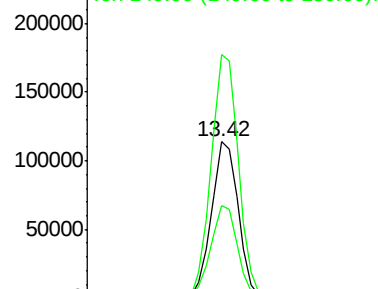


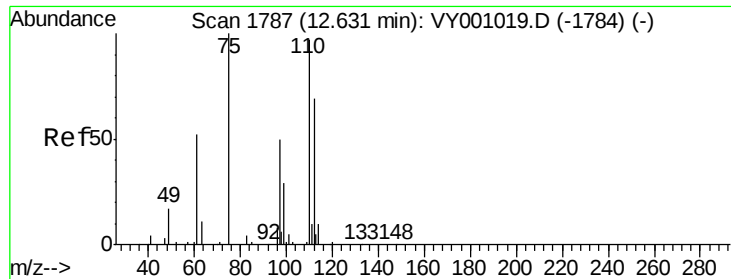
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VY001113.D
Acq: 27 Dec 2019 20:52

Tgt Ion:152 Resp: 172253
Ion Ratio Lower Upper
152 100
115 59.3 29.8 89.3
150 158.5 0.0 352.6



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

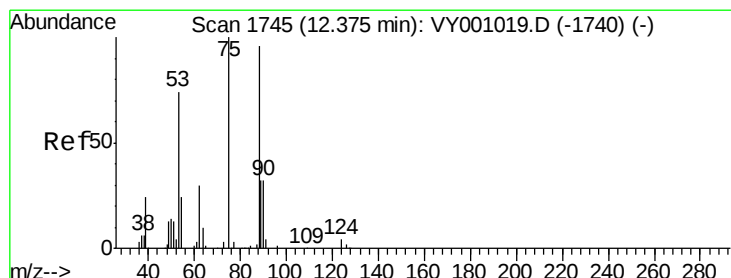
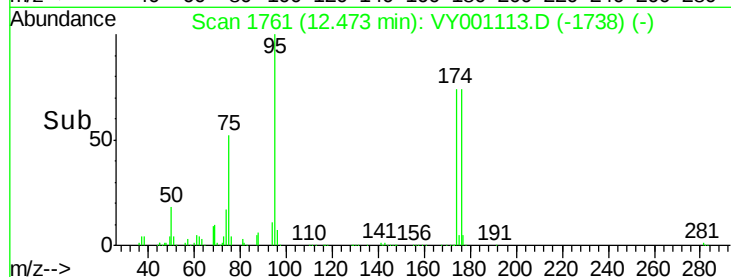
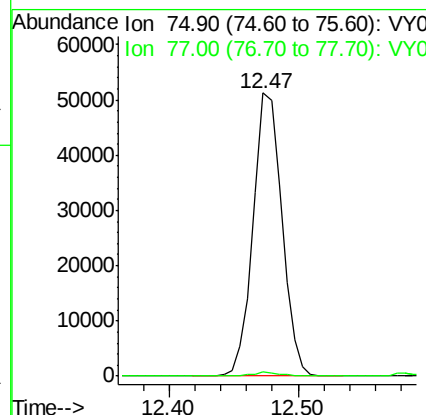
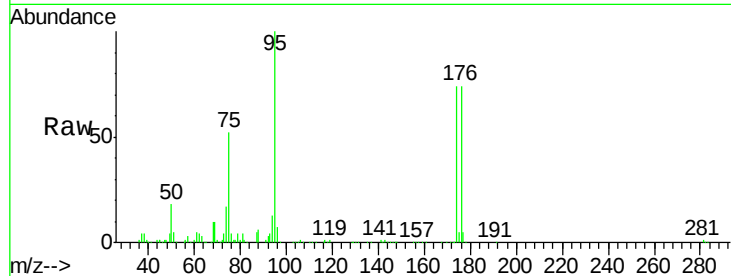




#76
 1,2,3-Trichloropropane
 Concen: 37.123 ug/l
 RT: 12.47 min Scan# 1761
 Delta R.T. -0.16 min
 Lab File: VY001113.D
 Acq: 27 Dec 2019 20:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR31-48

Tgt Ion: 75 Resp: 78831
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.174 ug/l
 RT: 12.47 min Scan# 1761
 Delta R.T. 0.10 min
 Lab File: VY001113.D
 Acq: 27 Dec 2019 20:52

Tgt Ion: 75 Resp: 78831
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.6 91.0#
 89 0.0 35.4 53.0#

