

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002068.D
 Acq On : 25 Mar 2020 15:45
 Operator : SY/MD
 Sample : L2029-04
 Misc : 8.86G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:35:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	136096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	267271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	246408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	108418	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	86157	59.30	ug/l	0.00
Spiked Amount			Recovery	=	118.60%	
35) Dibromofluoromethane	7.75	113	78355	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
50) Toluene-d8	10.19	98	327219	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.49	95	113921	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	

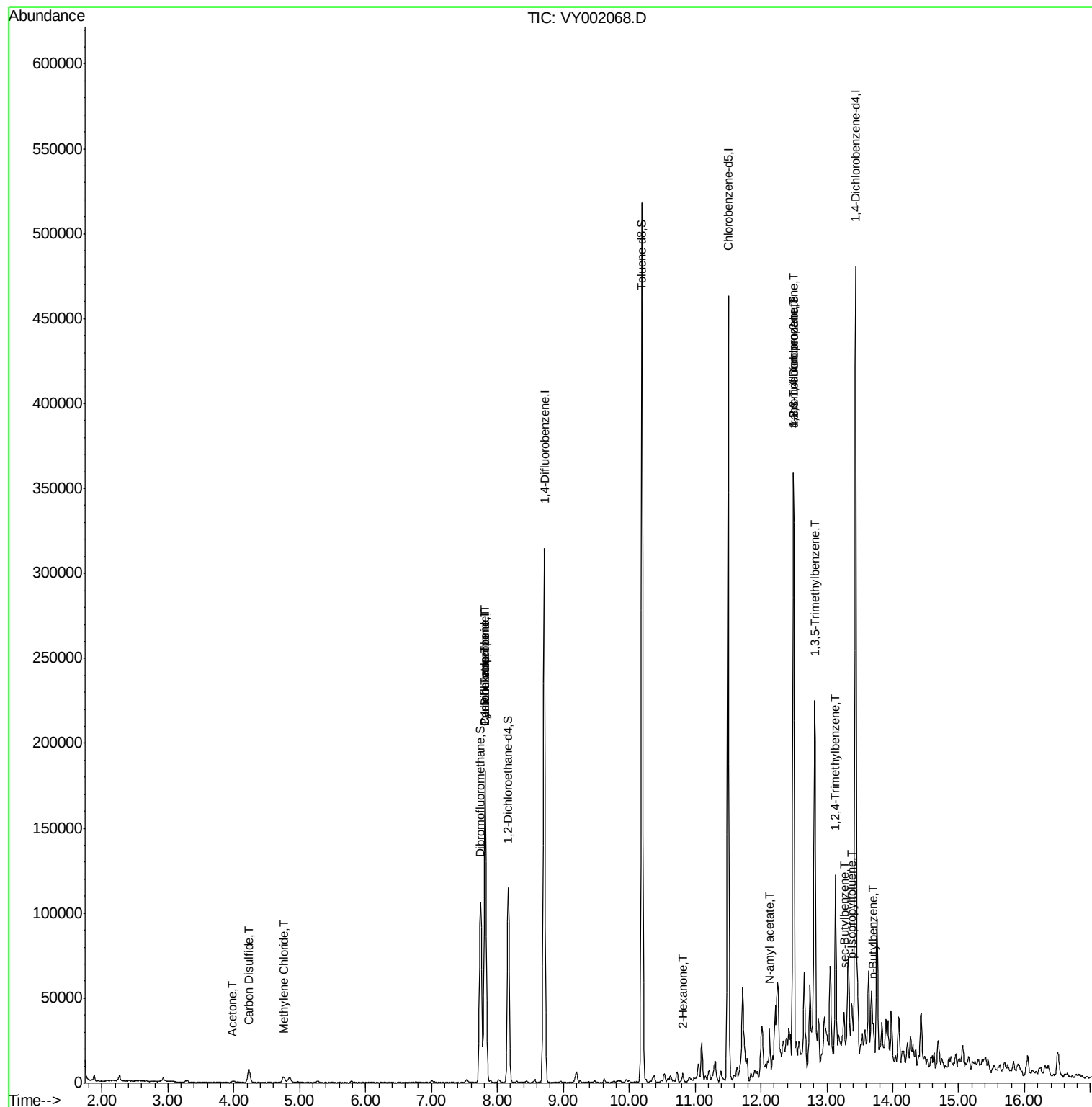
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	21	Below Cal	#	4
11) Tert butyl alcohol	4.97	59	591	Below Cal	#	74
16) Acetone	3.98	43	1888	4.461	ug/l #	87
17) Carbon Disulfide	4.22	76	15166	2.982	ug/l	100
20) Methylene Chloride	4.76	84	2247	1.239	ug/l	93
31) Cyclohexane	7.82	56	3691	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11760	4.572	ug/l #	51
38) Carbon Tetrachloride	7.82	117	13563	6.173	ug/l #	16
59) 2-Hexanone	10.81	43	2277	2.188	ug/l #	23
74) N-amyl acetate	12.13	43	5935	2.333	ug/l #	49
76) 1,2,3-Trichloropropane	12.49	75	58436	45.424	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.82	105	17456	2.562	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.49	75	58436	91.755	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.13	105	52445	7.756	ug/l	97
85) sec-Butylbenzene	13.27	105	10301	1.235	ug/l #	79
86) p-Isopropyltoluene	13.38	119	10100	1.404	ug/l	94
89) n-Butylbenzene	13.70	91	12679	1.698	ug/l #	74

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
Data File : VY002068.D
Acq On : 25 Mar 2020 15:45
Operator : SY/MD
Sample : L2029-04
Misc : 8.86G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 26 06:35:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002068.D

Acq: 25 Mar 2020 15:45

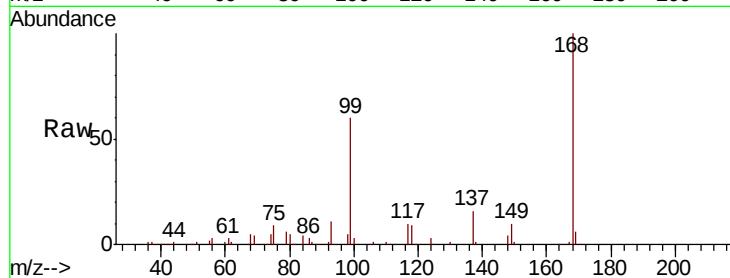
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 136096

Ion Ratio Lower Upper

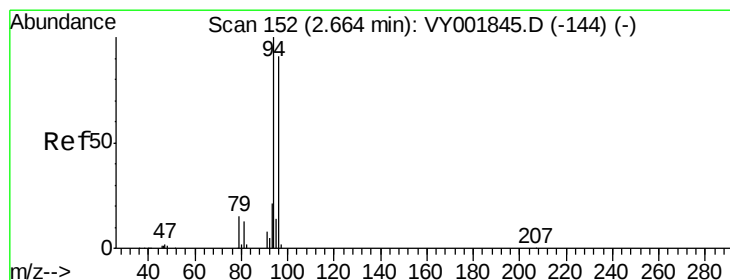
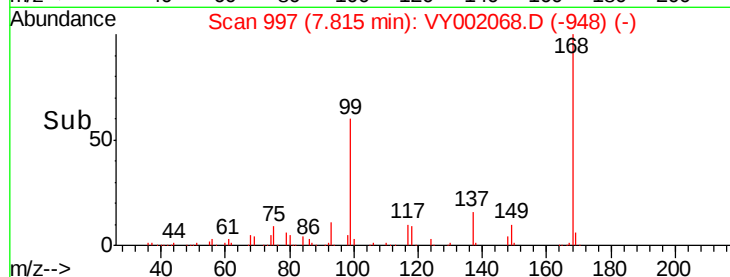
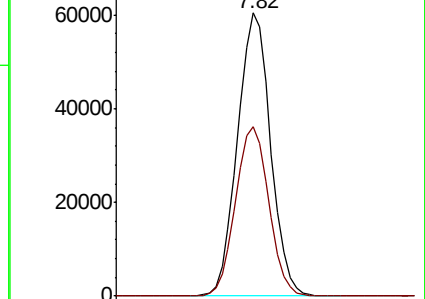
168 100

99 59.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002068.D

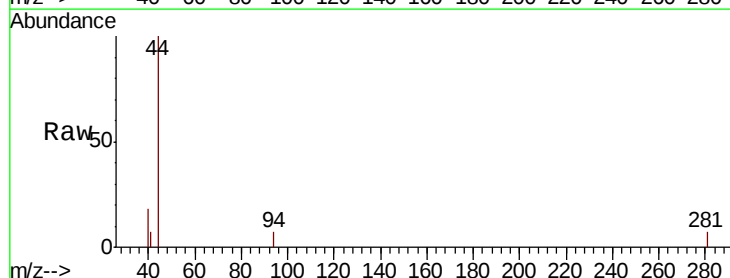
Acq: 25 Mar 2020 15:45

Tgt Ion: 94 Resp: 21

Ion Ratio Lower Upper

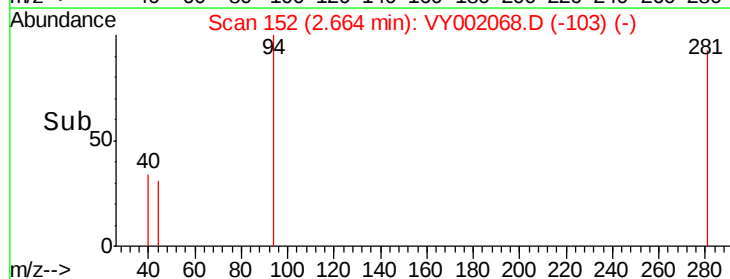
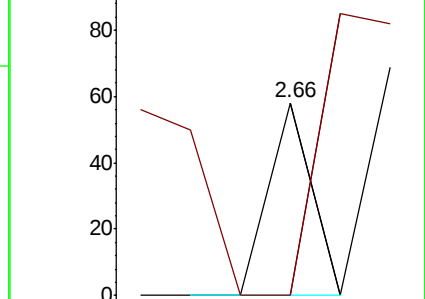
94 100

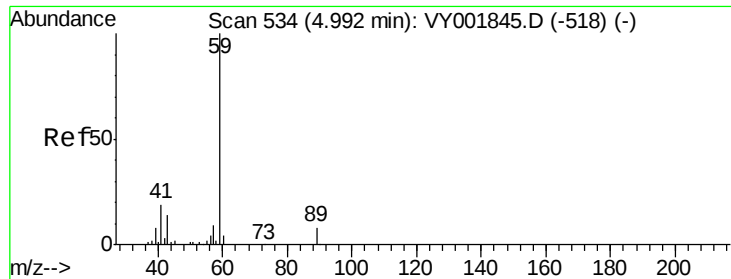
96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)

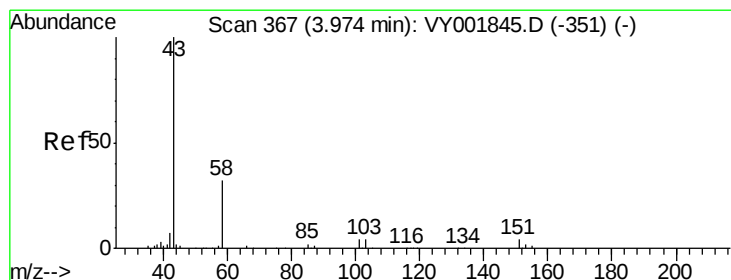
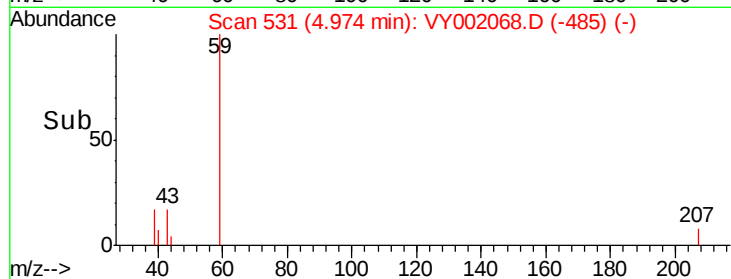
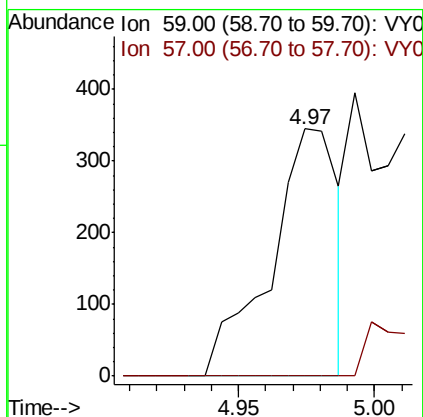
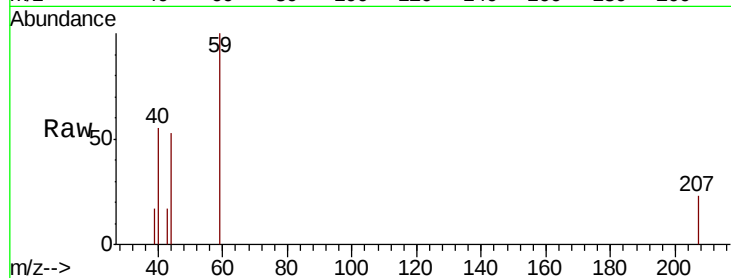




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.97 min Scan# 531
Delta R.T. -0.02 min
Lab File: VY002068.D
Acq: 25 Mar 2020 15:45

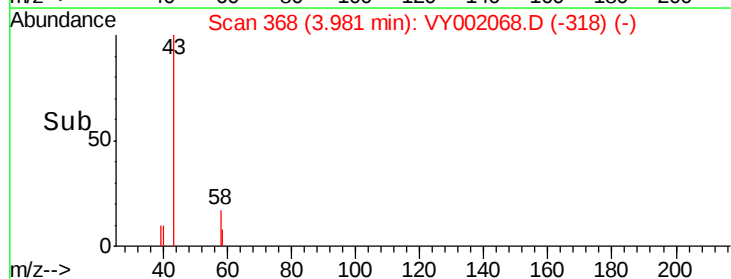
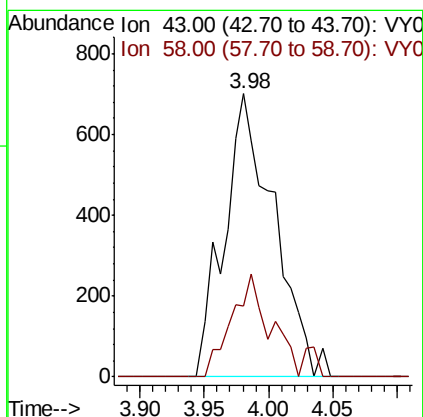
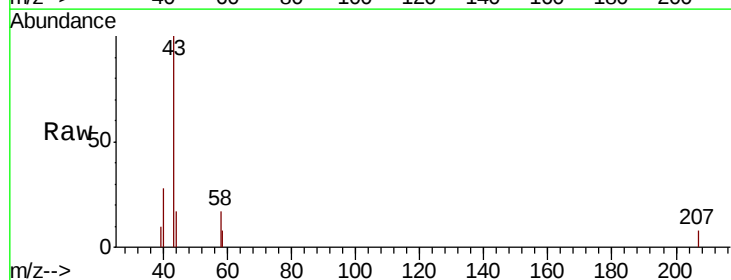
Instrument :
MSVOA_Y
ClientSampled :

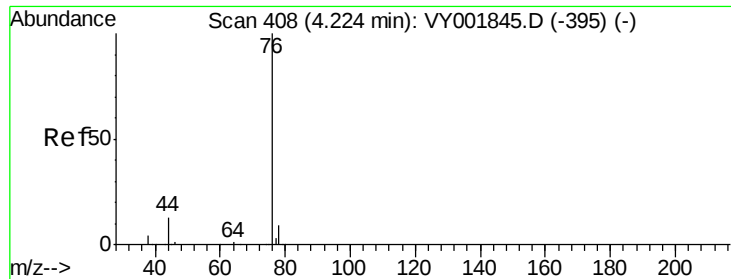
Tot Ion: 59 Resp: 591
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 4.461 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY002068.D
Acq: 25 Mar 2020 15:45

Tgt Ion: 43 Resp: 1888
Ion Ratio Lower Upper
43 100
58 25.1 25.9 38.9#

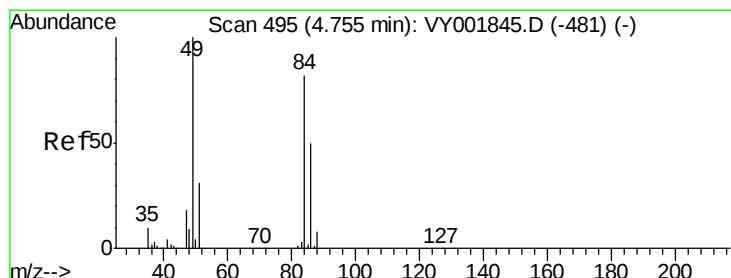
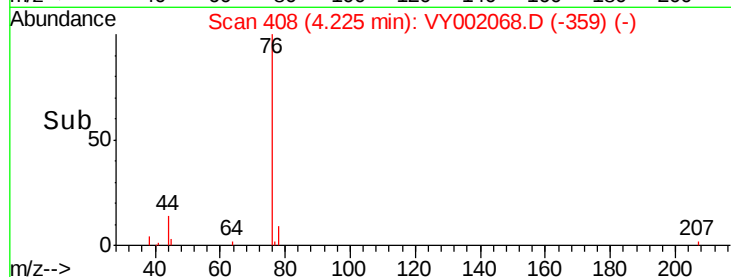
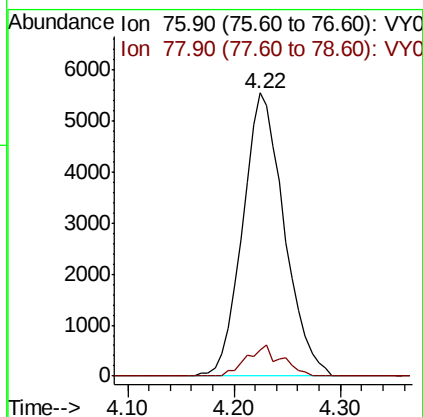
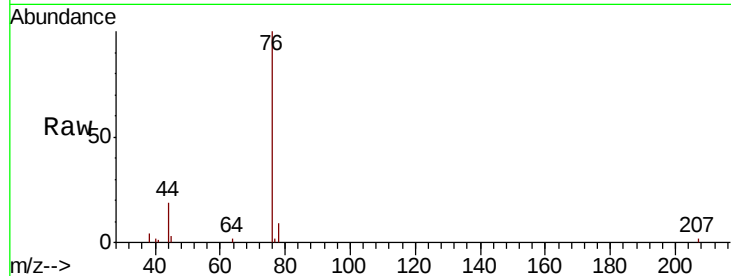




#17
Carbon Disulfide
Concen: 2.982 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.00 min
Lab File: VY002068.D
Acq: 25 Mar 2020 15:45

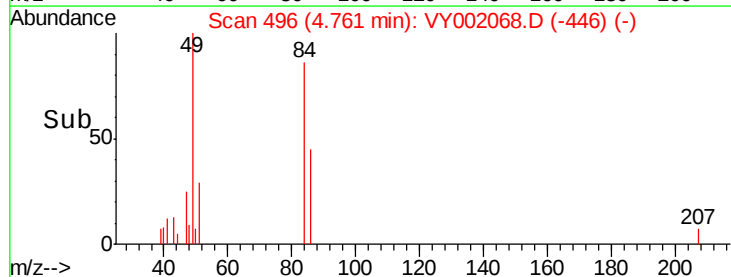
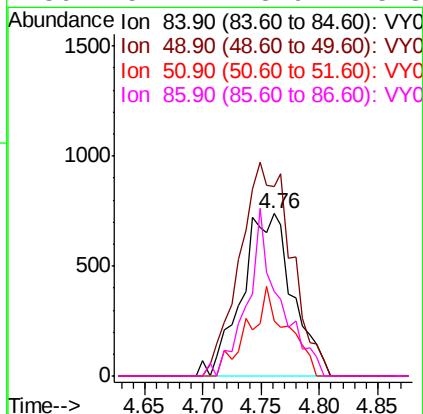
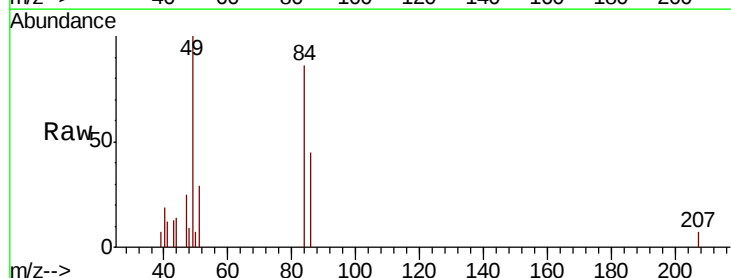
Instrument :
MSVOA_Y
ClientSampleId :

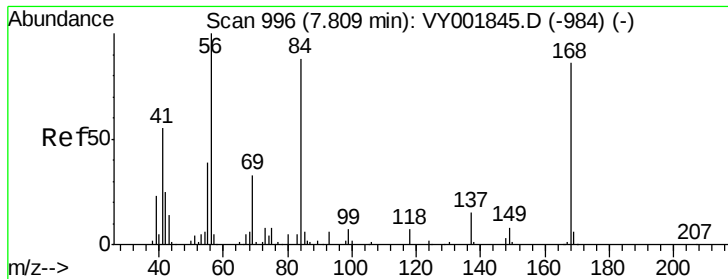
Tot Ion: 76 Resp: 15166
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#20
Methylene Chloride
Concen: 1.239 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY002068.D
Acq: 25 Mar 2020 15:45

Tgt Ion: 84 Resp: 2247
Ion Ratio Lower Upper
84 100
49 116.5 98.2 147.2
51 34.1 30.2 45.2
86 52.1 48.9 73.3

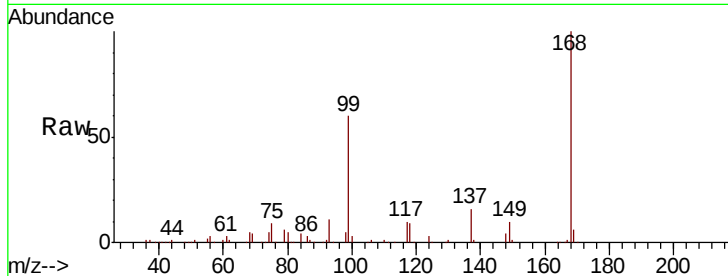




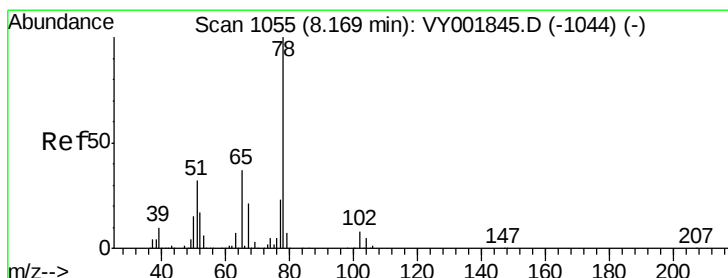
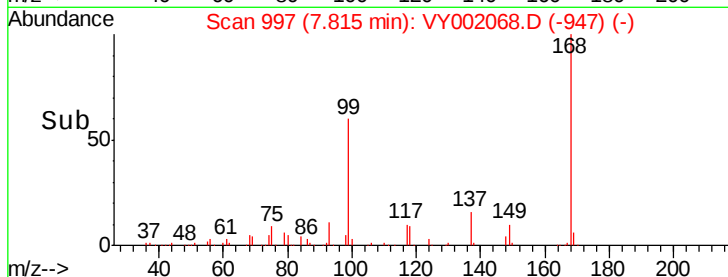
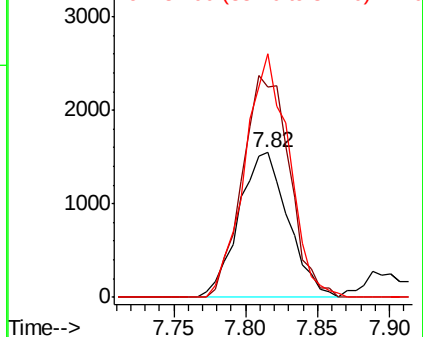
#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY002068.D
Acq: 25 Mar 2020 15:45

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3691
Ion Ratio Lower Upper
56 100
69 145.3 26.7 40.1#
84 168.3 70.4 105.6#

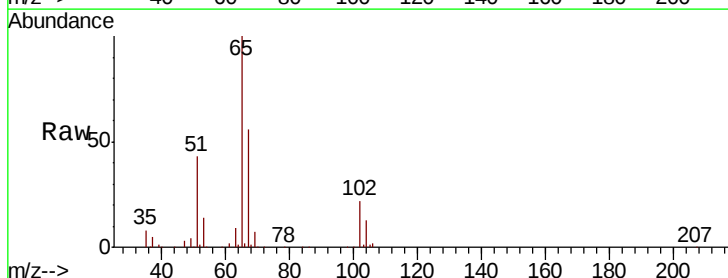


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

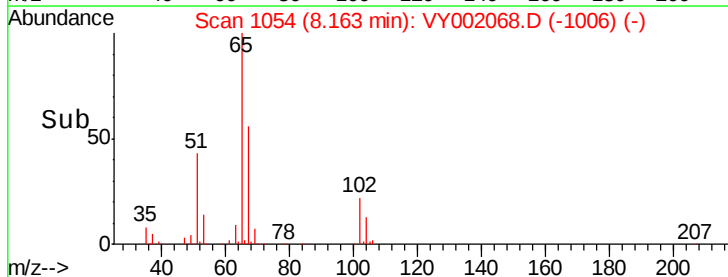
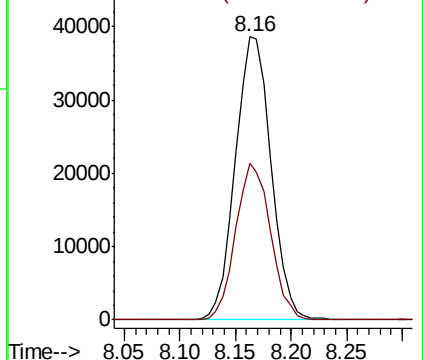


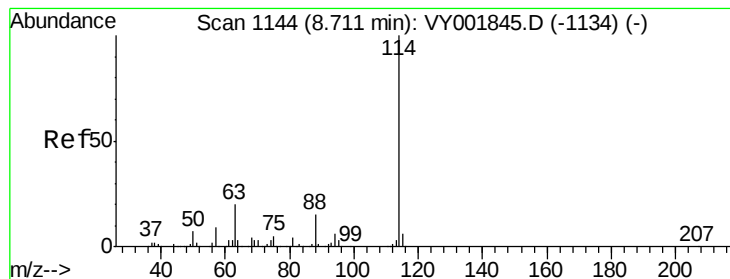
#33
1,2-Dichloroethane-d4
Concen: 59.299 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002068.D
Acq: 25 Mar 2020 15:45

Tgt Ion: 65 Resp: 86157
Ion Ratio Lower Upper
65 100
67 54.0 0.0 110.8



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# 1144

Delta R.T. 0.00 min

Lab File: VY002068.D

Acq: 25 Mar 2020 15:45

Instrument :

MSVOA_Y

ClientSampleId :

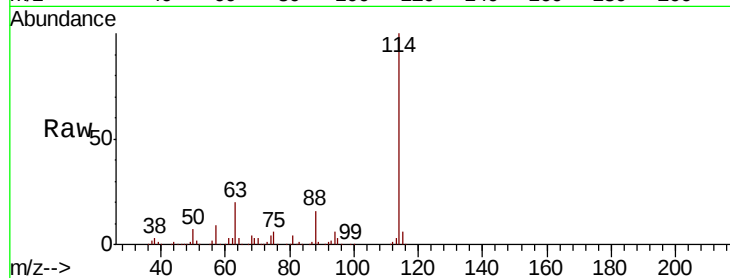
Tot Ion:114 Resp: 267271

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

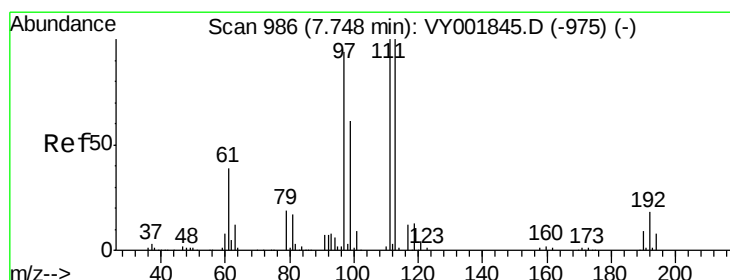
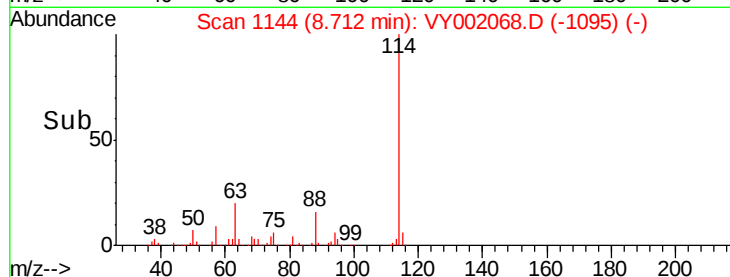
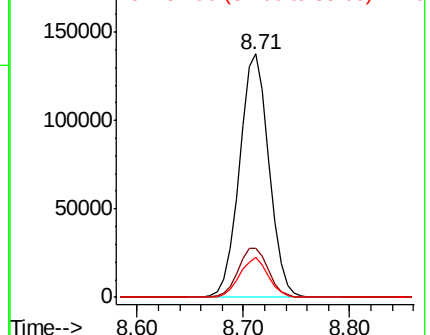
88 16.3 0.0 30.4



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: 53.689 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY002068.D

Acq: 25 Mar 2020 15:45

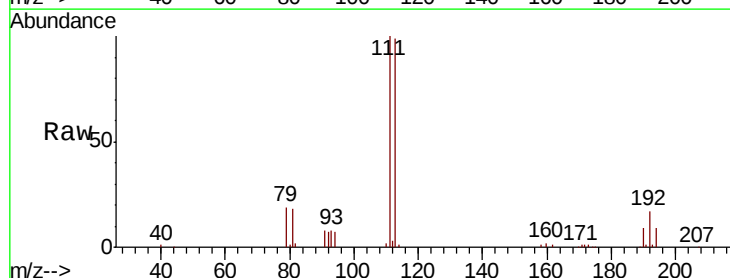
Tgt Ion:113 Resp: 78355

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

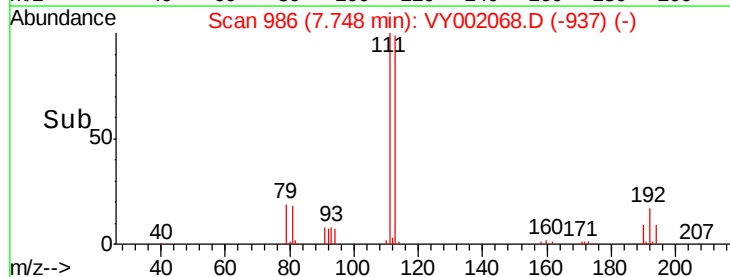
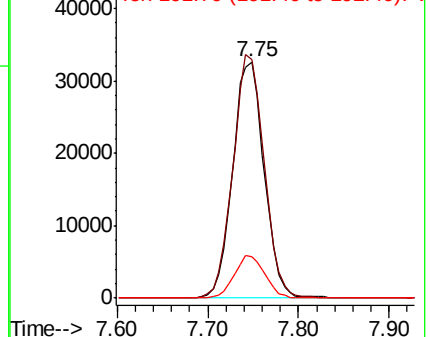
192 17.6 14.2 21.2

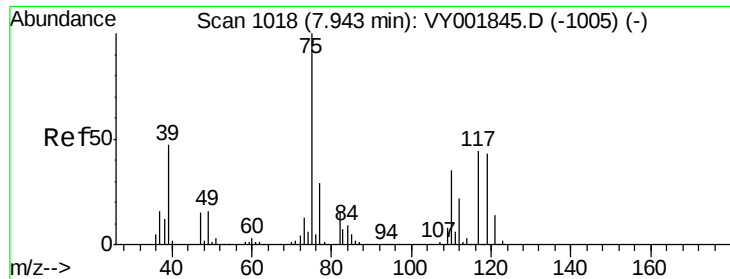


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

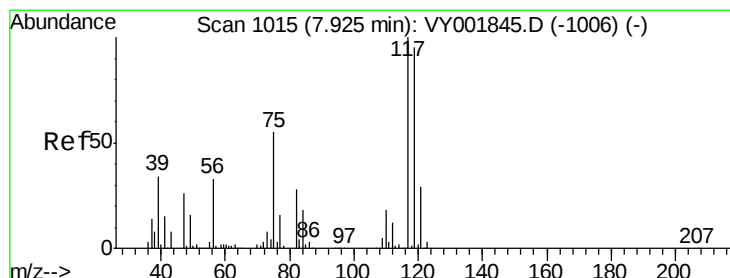
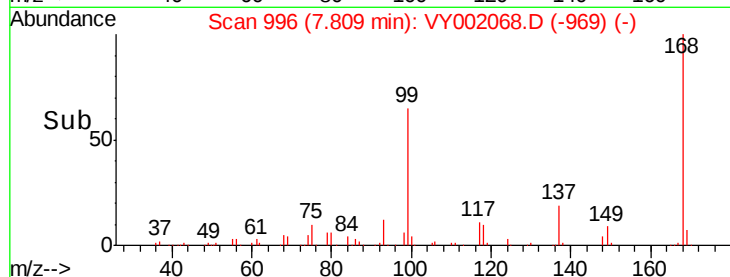
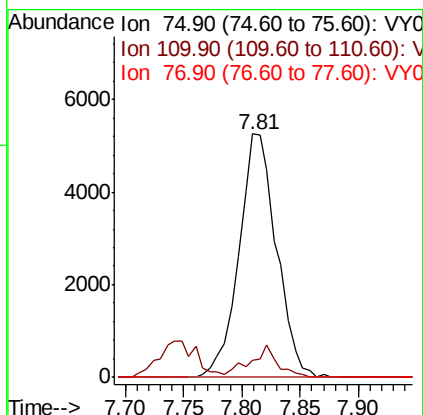
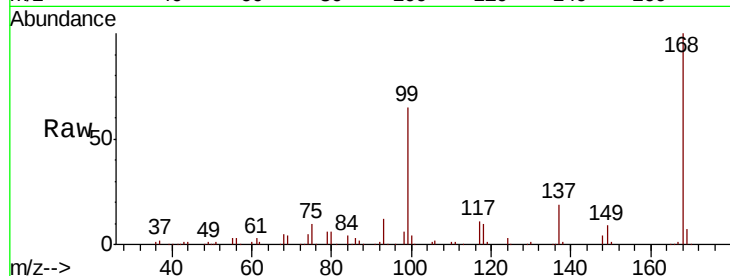




#36
 1,1-Dichloropropene
 Concen: 4.572 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002068.D
 Acq: 25 Mar 2020 15:45

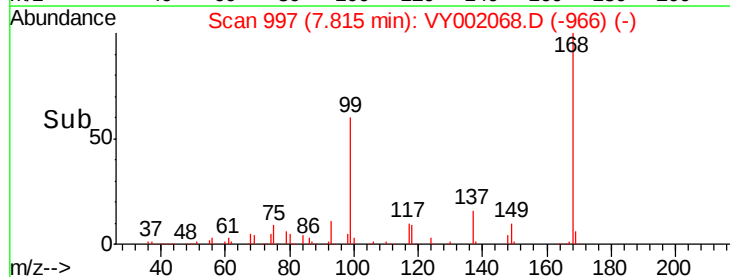
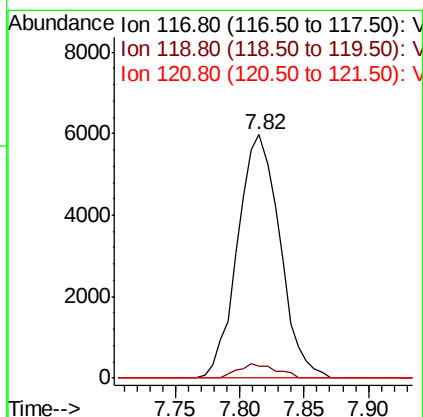
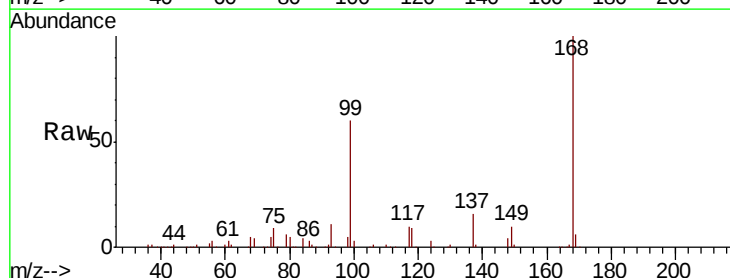
Instrument :
 MSVOA_Y
 ClientSampleId :

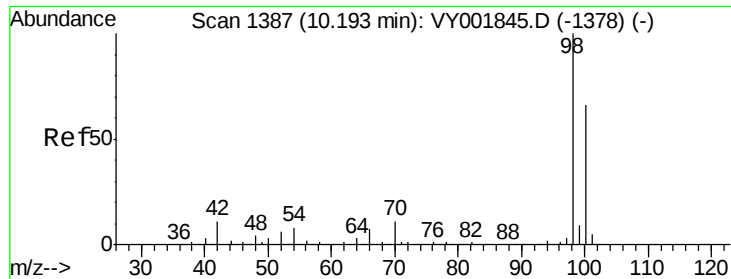
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.173 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY002068.D
 Acq: 25 Mar 2020 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 53.171 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002068.D

Acq: 25 Mar 2020 15:45

Instrument :

MSVOA_Y

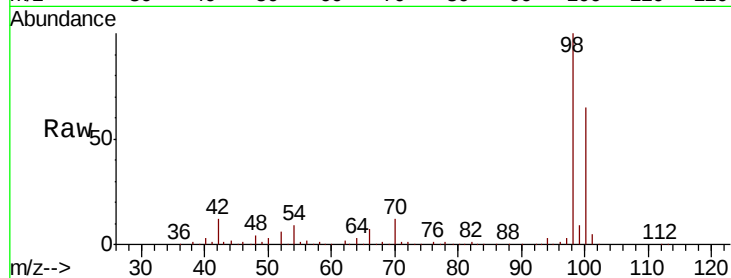
ClientSampled :

Tot Ion: 98 Resp: 327219

Ion Ratio Lower Upper

98 100

100 64.5 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

200000

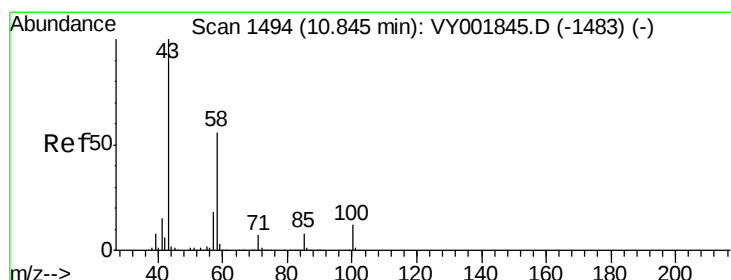
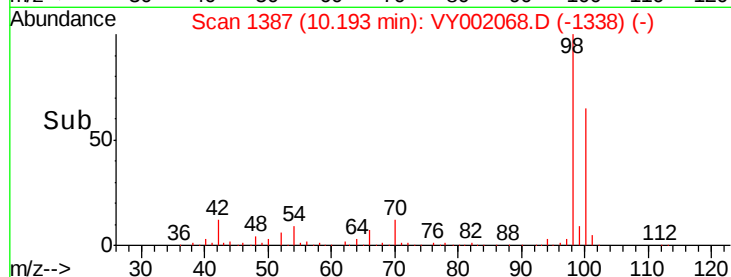
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 2.188 ug/l

RT: 10.81 min Scan# 1489

Delta R.T. -0.03 min

Lab File: VY002068.D

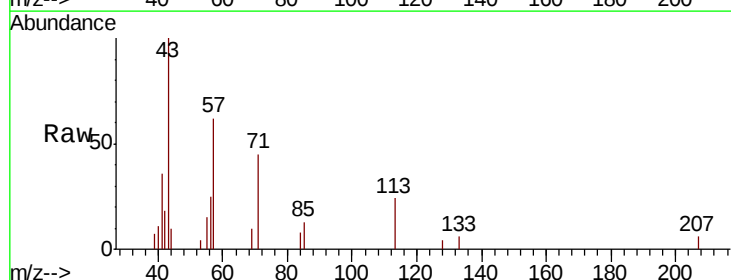
Acq: 25 Mar 2020 15:45

Tgt Ion: 43 Resp: 2277

Ion Ratio Lower Upper

43 100

58 0.0 28.1 84.3#



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1483) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1483) (-)

10.81

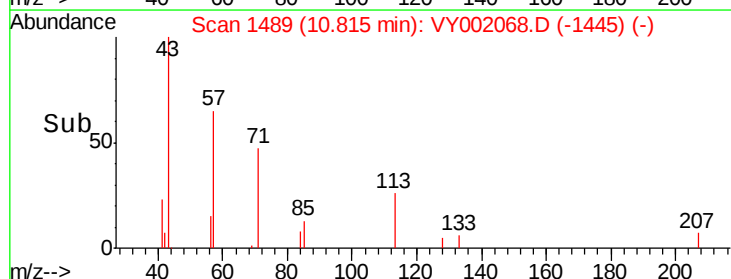
1500

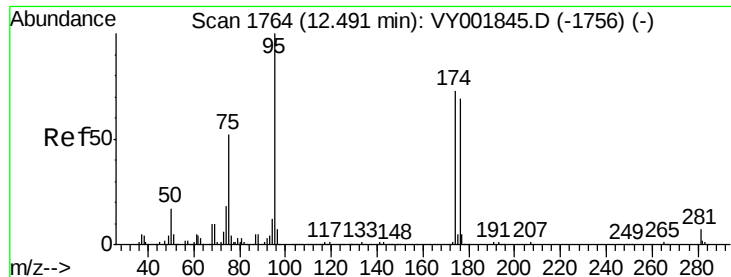
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 53.237 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002068.D

Acq: 25 Mar 2020 15:45

Instrument :

MSVOA_Y

ClientSampleId :

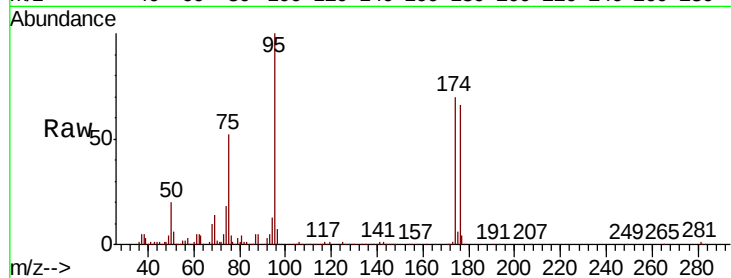
Tot Ion: 95 Resp: 113921

Ion Ratio Lower Upper

95 100

174 71.8 0.0 145.0

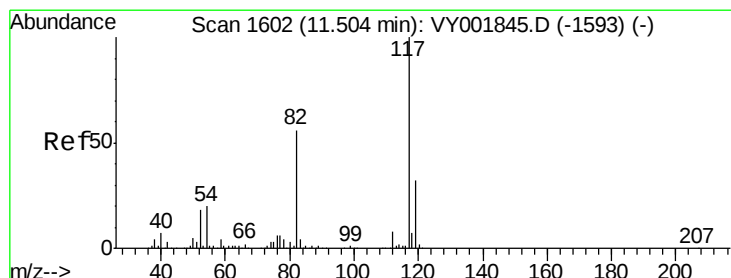
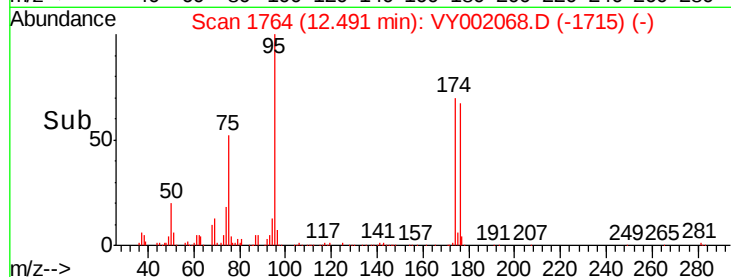
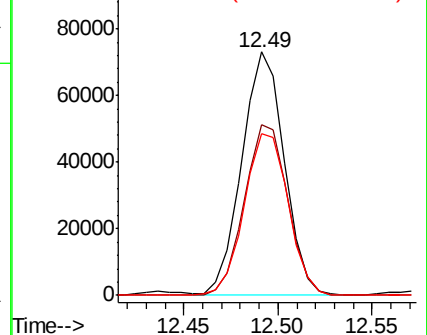
176 68.9 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY002068.D

Acq: 25 Mar 2020 15:45

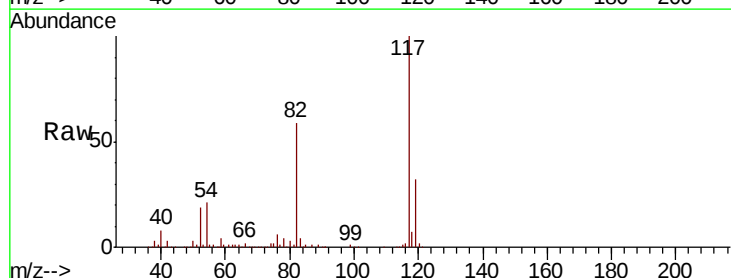
Tgt Ion: 117 Resp: 246408

Ion Ratio Lower Upper

117 100

82 59.1 44.5 66.7

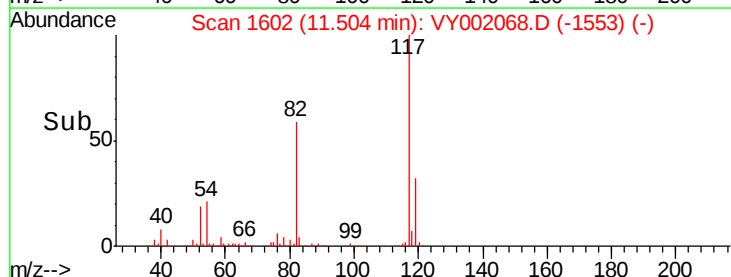
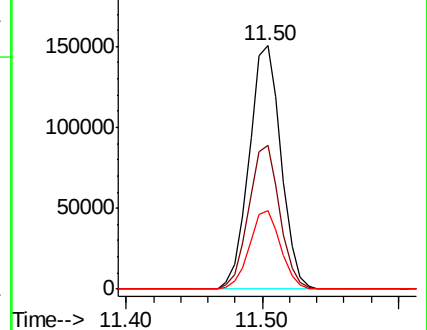
119 32.0 25.7 38.5

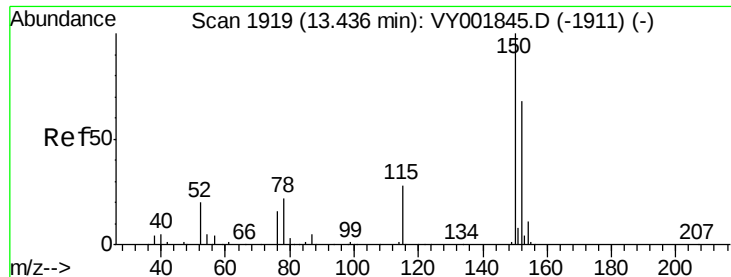


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002068.D

Acq: 25 Mar 2020 15:45

Instrument :

MSVOA_Y

ClientSampleId :

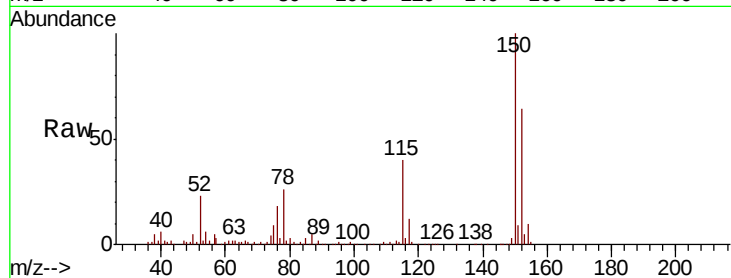
Tot Ion:152 Resp: 108418

Ion Ratio Lower Upper

152 100

115 62.7 29.9 89.7

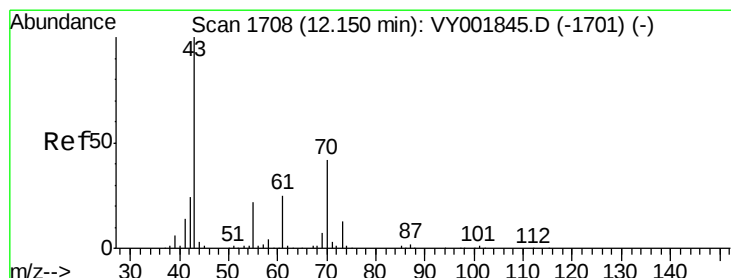
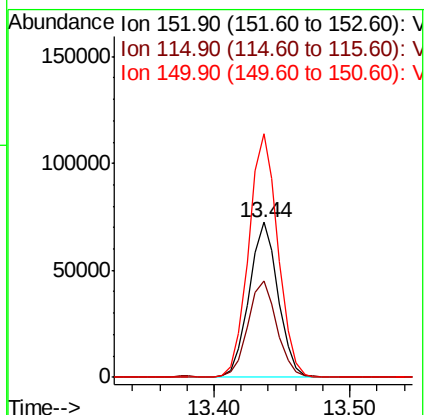
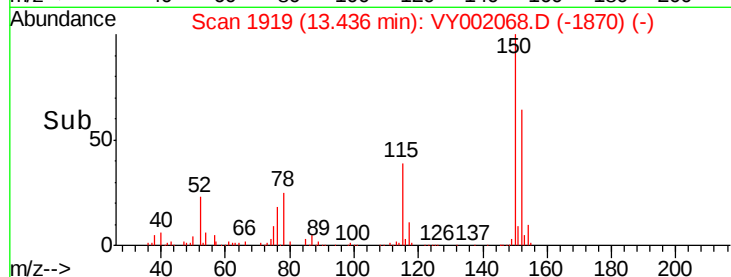
150 157.9 0.0 340.6



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



#74

N-ethyl acetate

Concen: 2.333 ug/l

RT: 12.13 min Scan# 1705

Delta R.T. -0.02 min

Lab File: VY002068.D

Acq: 25 Mar 2020 15:45

Tgt Ion: 43 Resp: 5935

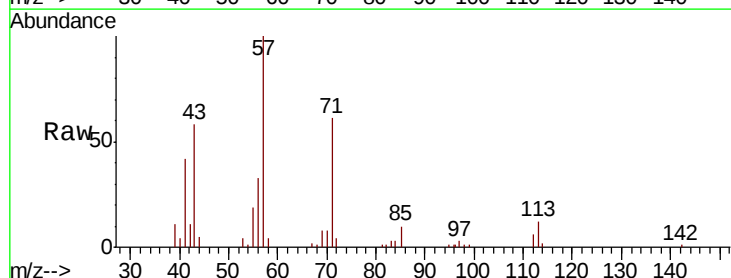
Ion Ratio Lower Upper

43 100

70 9.4 34.7 52.1#

55 0.0 18.2 27.4#

61 0.0 20.1 30.1#

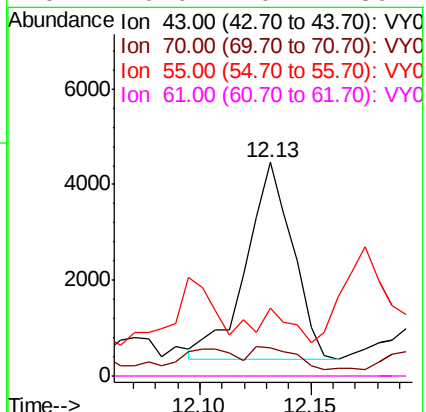
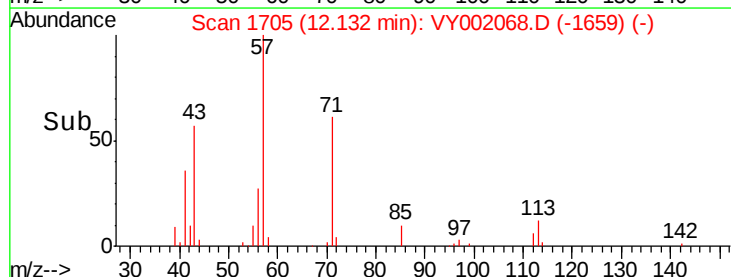


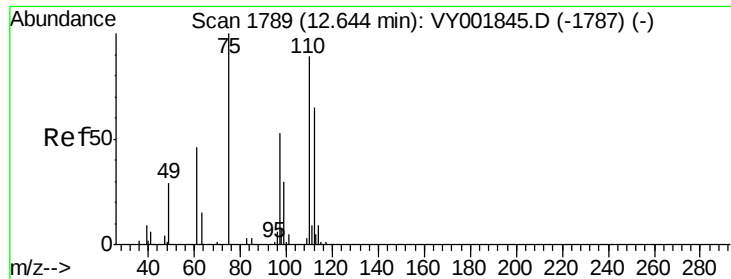
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

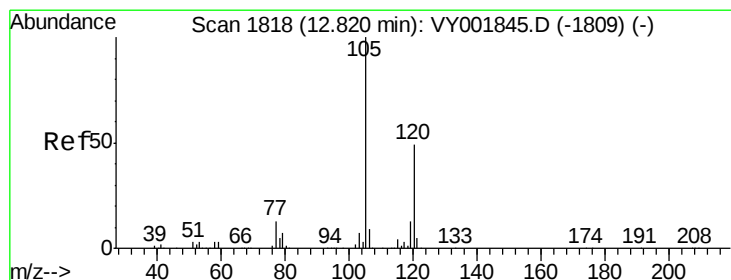
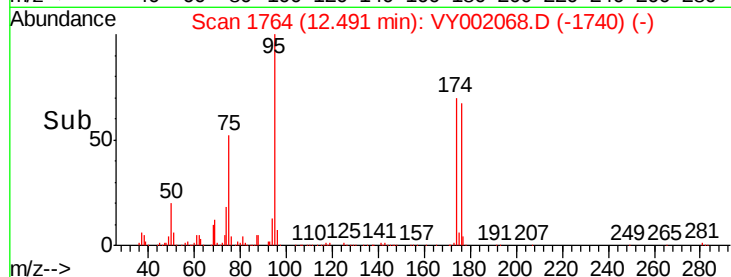
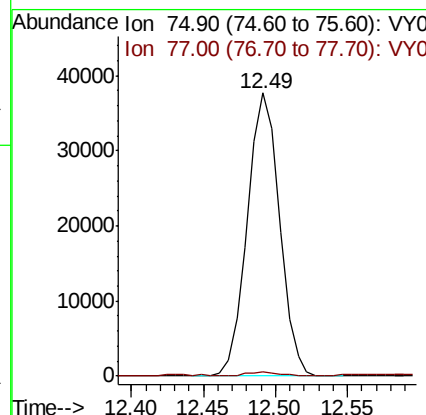
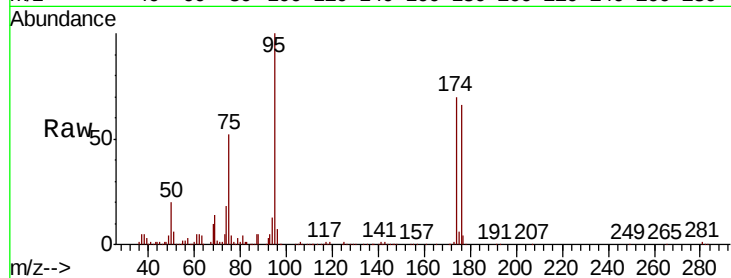




#76
 1,2,3-Trichloropropane
 Concen: 45.424 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY002068.D
 Acq: 25 Mar 2020 15:45

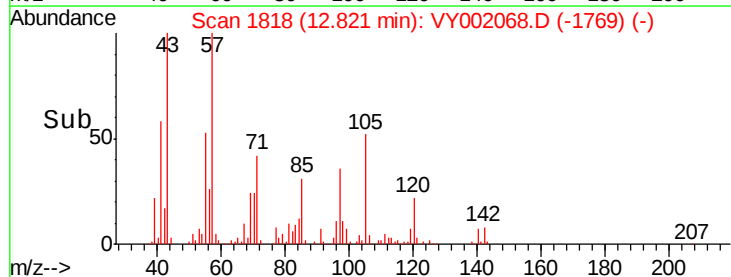
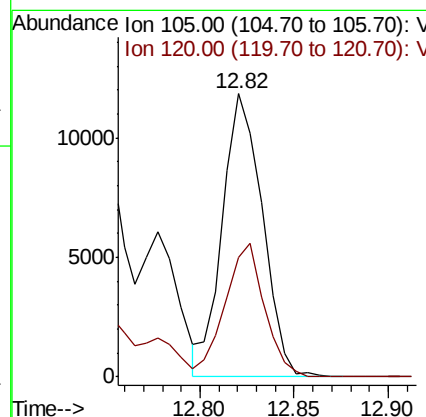
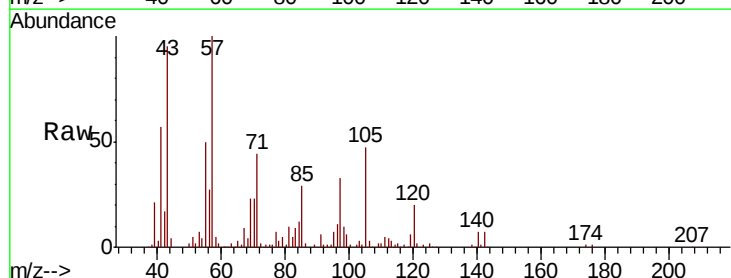
Instrument :
 MSVOA_Y
 ClientSampleId :

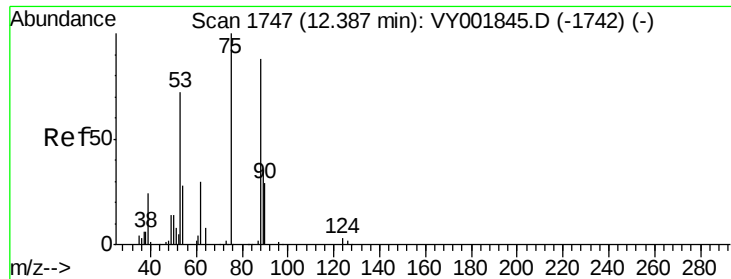
Tot Ion: 75 Resp: 58436
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.562 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY002068.D
 Acq: 25 Mar 2020 15:45

Tgt Ion: 105 Resp: 17456
 Ion Ratio Lower Upper
 105 100
 120 46.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 91.755 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002068.D

Acq: 25 Mar 2020 15:45

Instrument :

MSVOA_Y

ClientSampleId :

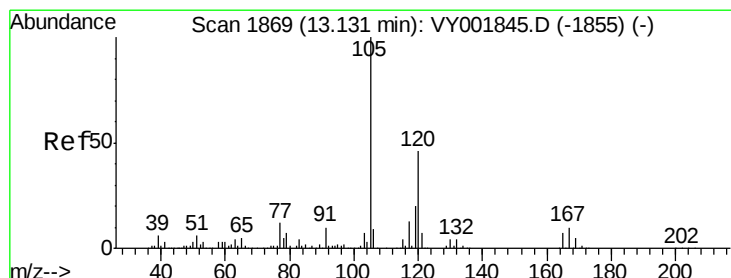
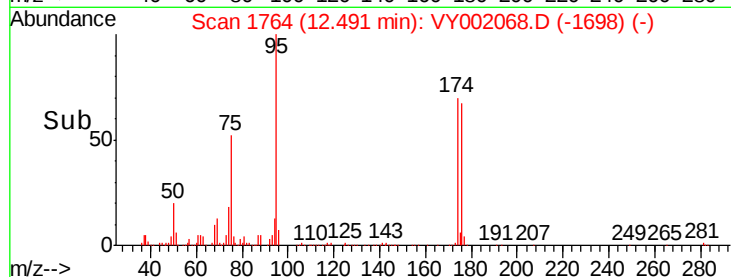
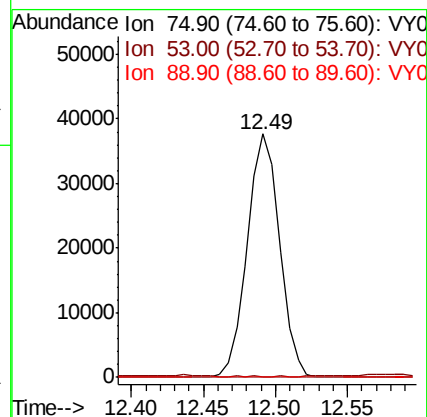
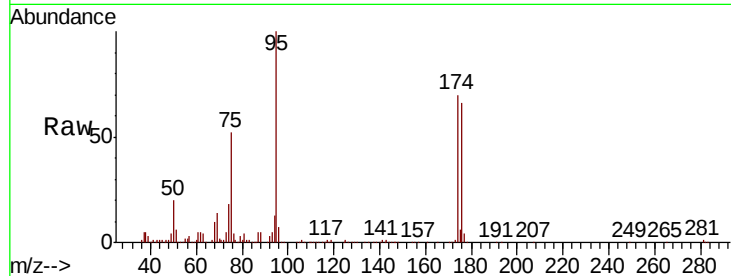
Tot Ion: 75 Resp: 58436

Ion Ratio Lower Upper

75 100

53 0.1 65.4 98.0#

89 0.0 36.0 54.0#



#84

1,2,4-Trimethylbenzene

Concen: 7.756 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VY002068.D

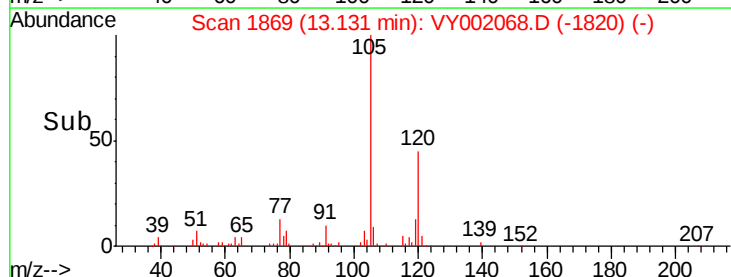
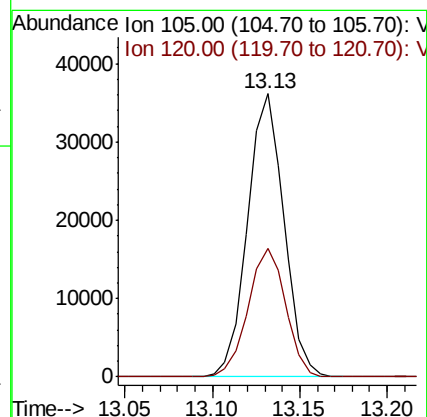
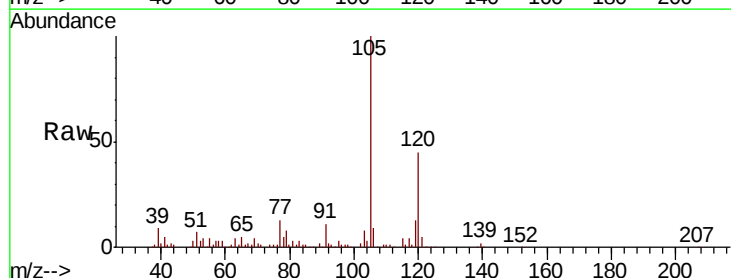
Acq: 25 Mar 2020 15:45

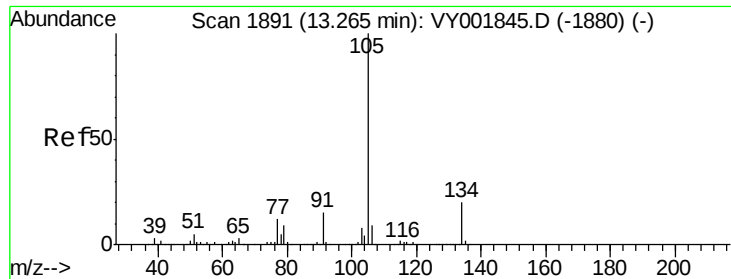
Tgt Ion: 105 Resp: 52445

Ion Ratio Lower Upper

105 100

120 46.9 22.6 67.7





#85

sec-Butylbenzene

Concen: 1.235 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY002068.D

Acq: 25 Mar 2020 15:45

Instrument :

MSVOA_Y

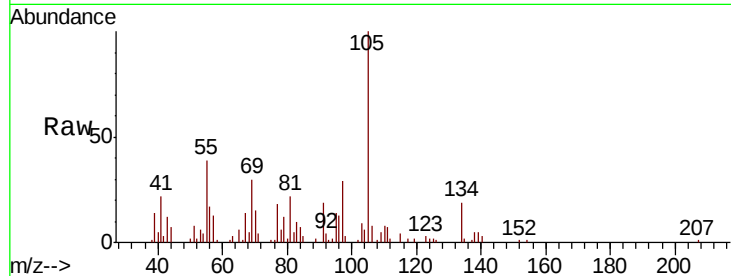
ClientSampleId :

Tot Ion:105 Resp: 10301

Ion Ratio Lower Upper

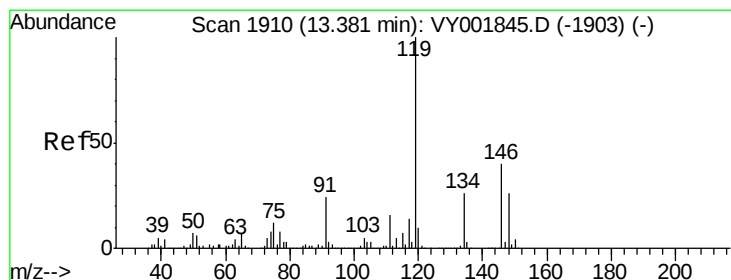
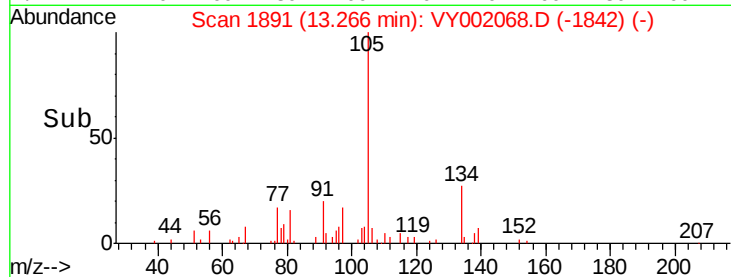
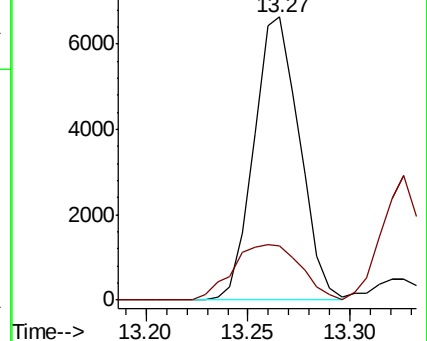
105 100

134 29.2 9.7 29.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.404 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY002068.D

Acq: 25 Mar 2020 15:45

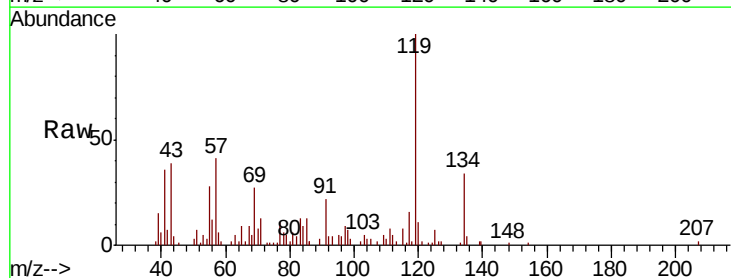
Tgt Ion:119 Resp: 10100

Ion Ratio Lower Upper

119 100

134 31.4 13.1 39.3

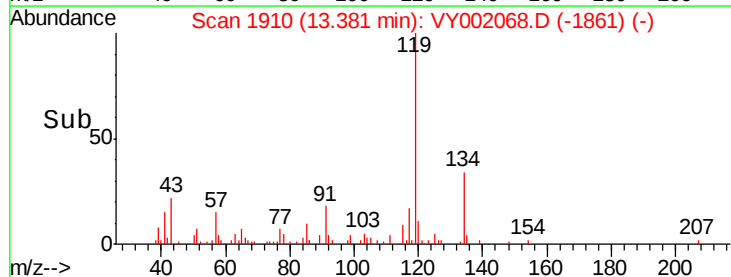
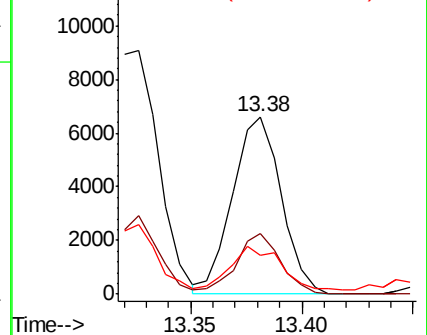
91 24.2 11.9 35.7

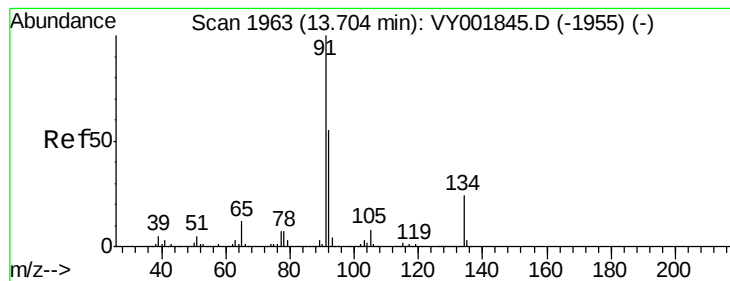


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#89

n-Butylbenzene

Concen: 1.698 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY002068.D

Acq: 25 Mar 2020 15:45

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 91 Resp: 12679

Ion Ratio Lower Upper

91 100

92 43.7 27.5 82.4

134 0.0 12.5 37.5#

