

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001651.D
 Acq On : 17 Feb 2020 17:07
 Operator : SY/MD
 Sample : L1546-06
 Misc : 6.53G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 18 00:37:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

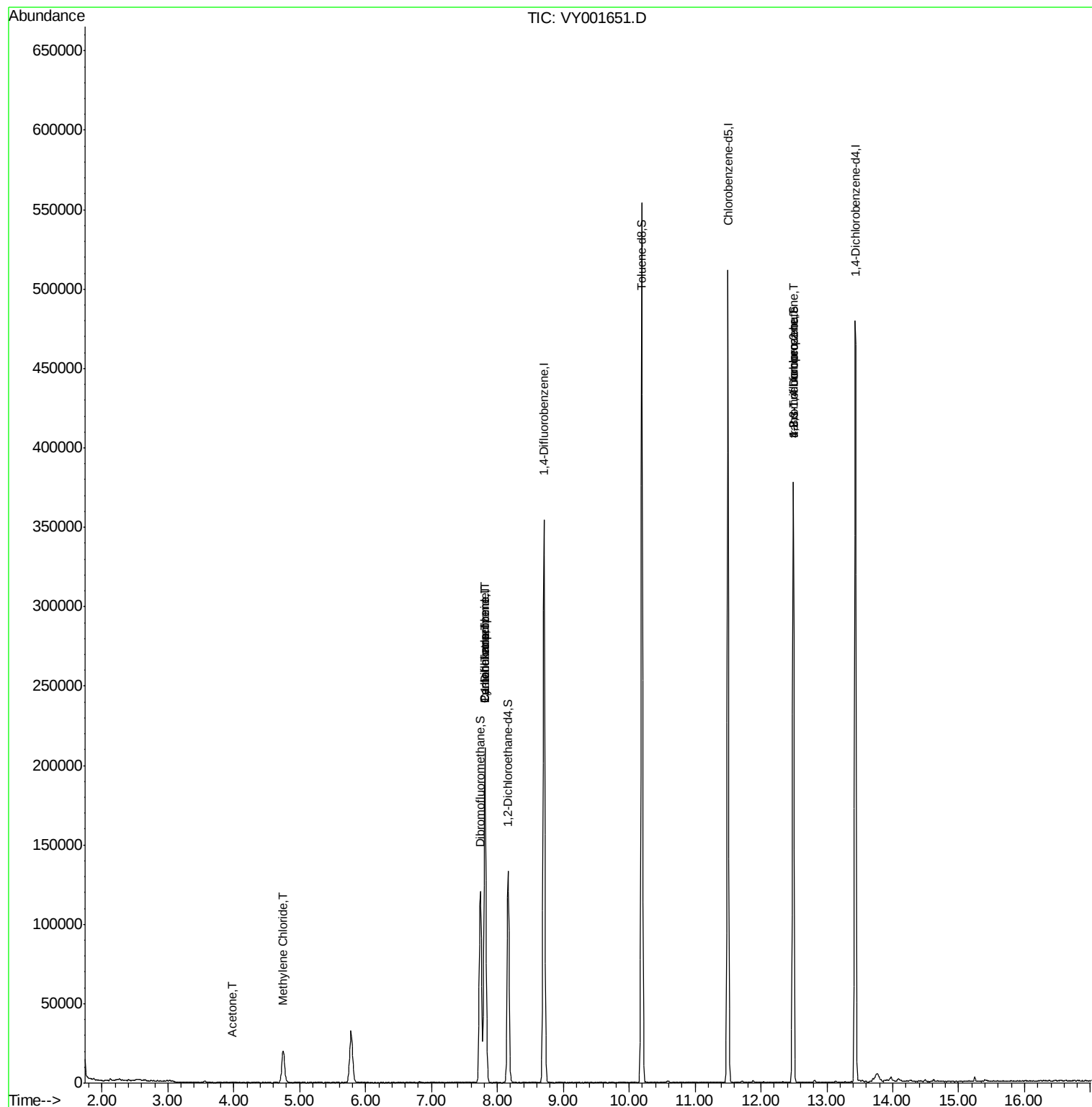
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	162503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	302796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	267162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	121097	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	96257	55.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.14%	
35) Dibromofluoromethane	7.74	113	86388	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	
50) Toluene-d8	10.19	98	359473	52.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.49	95	123139	46.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.30%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.98	59	89	Below Cal	#	74
16) Acetone	3.98	43	763	1.262	ug/l #	41
20) Methylene Chloride	4.75	84	15316	7.129	ug/l	93
31) Cyclohexane	7.81	56	3716	1.012	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	13095	4.528	ug/l #	50
38) Carbon Tetrachloride	7.82	117	15595	6.139	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	62944	45.311	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	62944	85.964	ug/l #	17

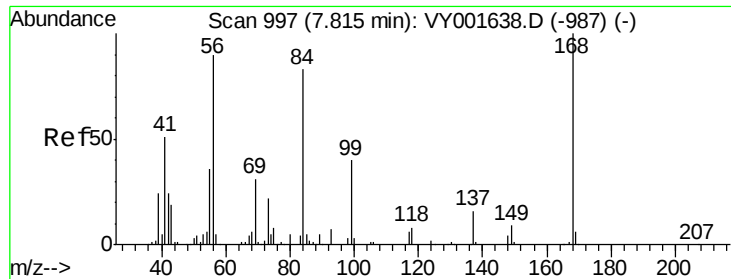
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001651.D

Acq: 17 Feb 2020 17:07

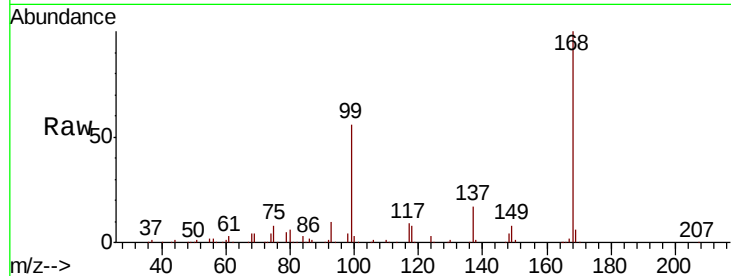
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 162503

Ion Ratio Lower Upper

168 100

99 56.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.82

80000

60000

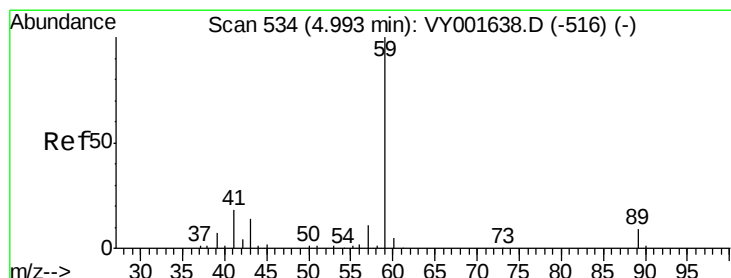
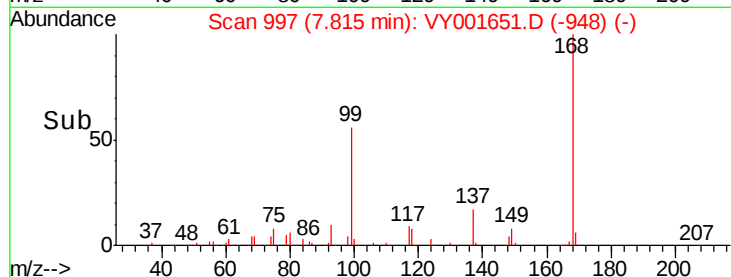
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001651.D

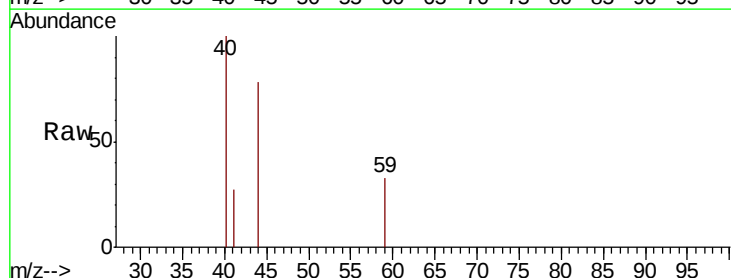
Acq: 17 Feb 2020 17:07

Tgt Ion: 59 Resp: 89

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)

4.98

80

60

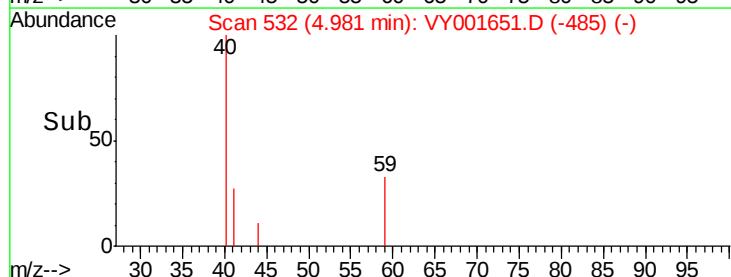
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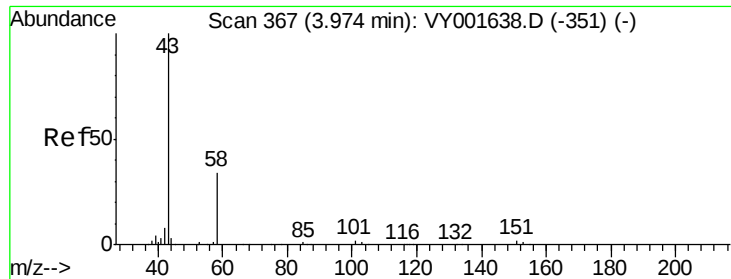
20

0

4.94 4.96 4.98 5.00

Time-->





#16

Acetone

Concen: 1.262 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001651.D

Acq: 17 Feb 2020 17:07

Instrument :

MSVOA_Y

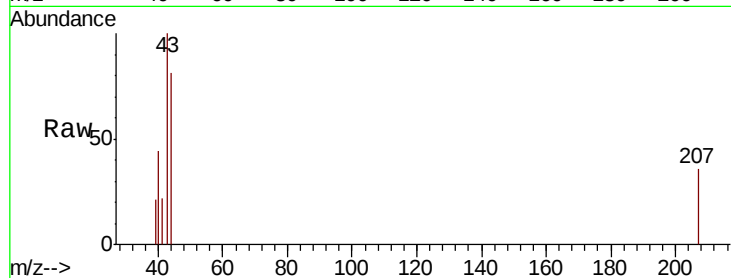
ClientSampled :

Tot Ion: 43 Resp: 763

Ion Ratio Lower Upper

43 100

58 0.0 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.98

250

200

150

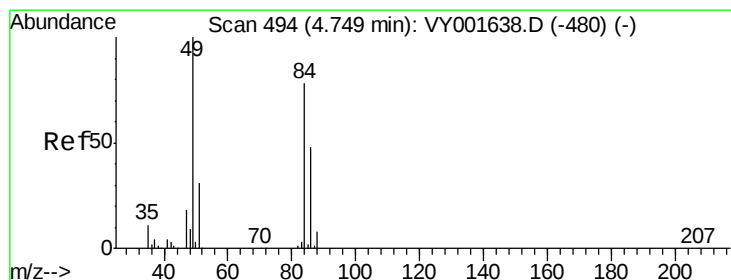
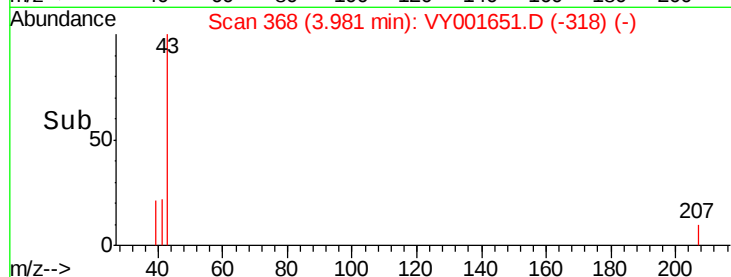
100

50

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 7.129 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.00 min

Lab File: VY001651.D

Acq: 17 Feb 2020 17:07

Tgt Ion: 84 Resp: 15316

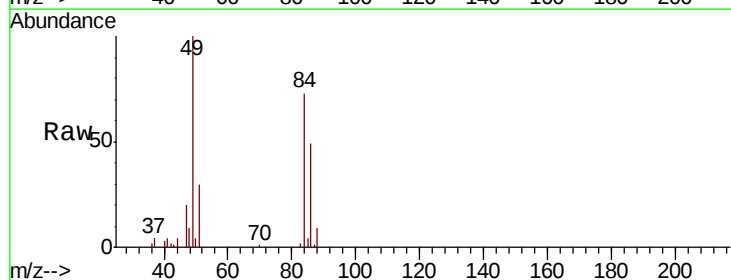
Ion Ratio Lower Upper

84 100

49 136.3 99.2 148.8

51 40.9 31.5 47.3

86 66.6 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

10000

8000

6000

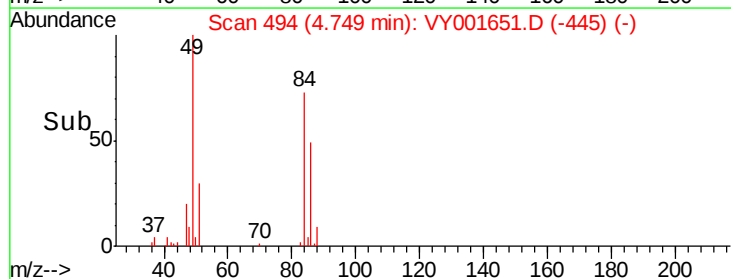
4000

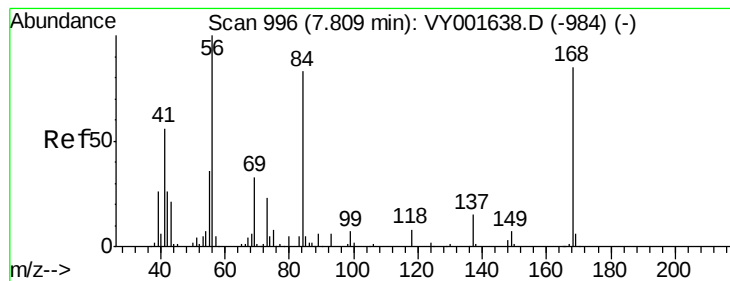
2000

0

4.70 4.80

Time-->





#31

Cyclohexane

Concen: 1.012 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001651.D

Acq: 17 Feb 2020 17:07

Instrument :
MSVOA_Y
ClientSampled :

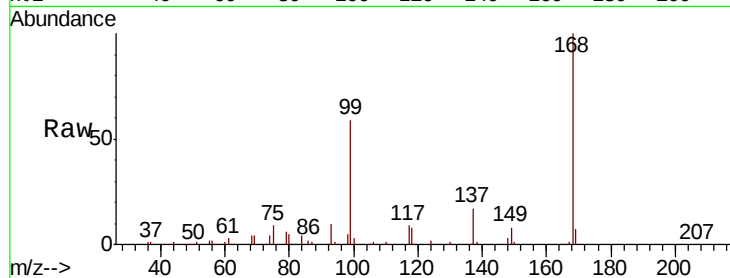
Tot Ion: 56 Resp: 3716

Ion Ratio Lower Upper

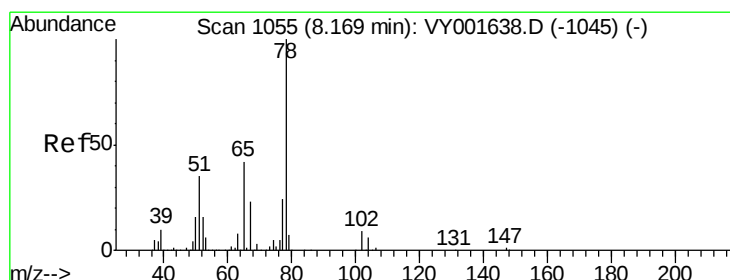
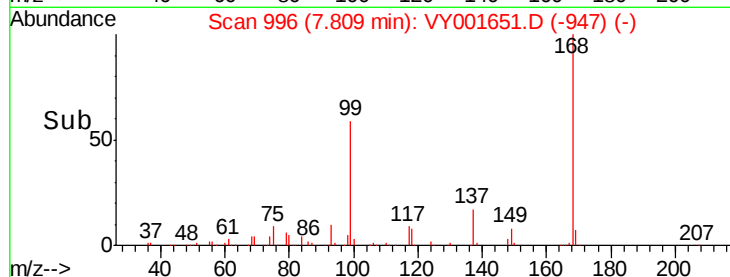
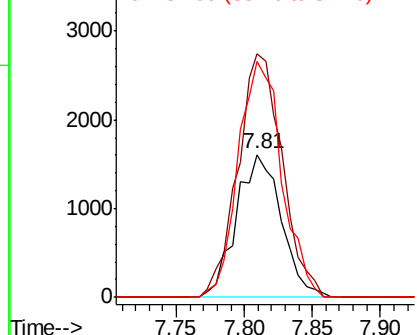
56 100

69 170.8 25.1 37.7#

84 165.8 66.9 100.3#



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: 55.068 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001651.D

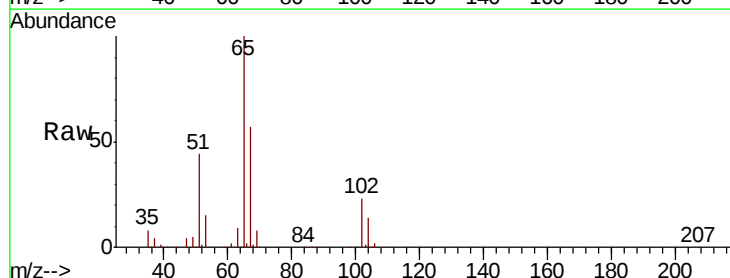
Acq: 17 Feb 2020 17:07

Tgt Ion: 65 Resp: 96257

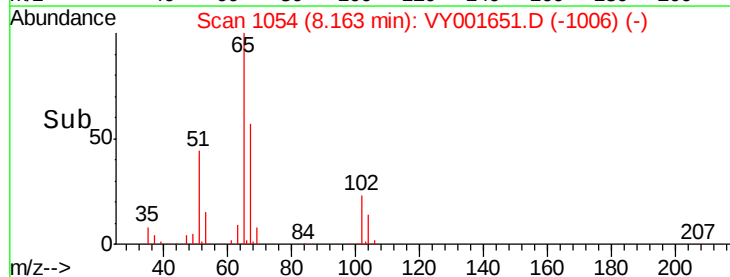
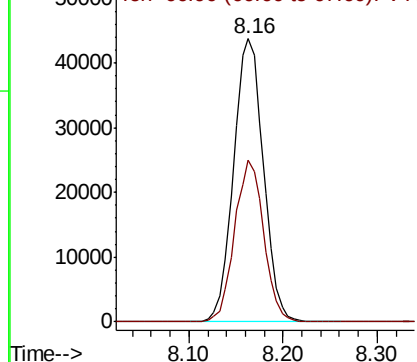
Ion Ratio Lower Upper

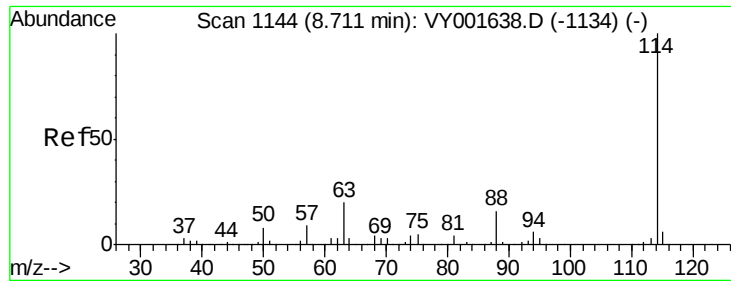
65 100

67 55.7 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

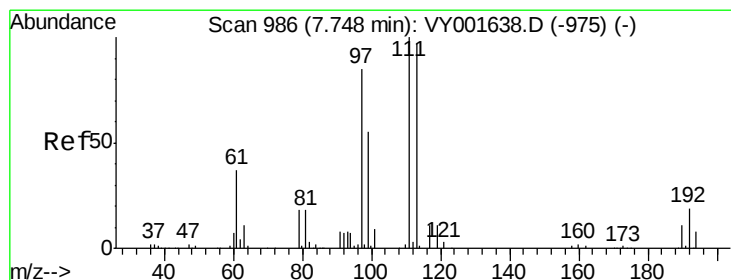
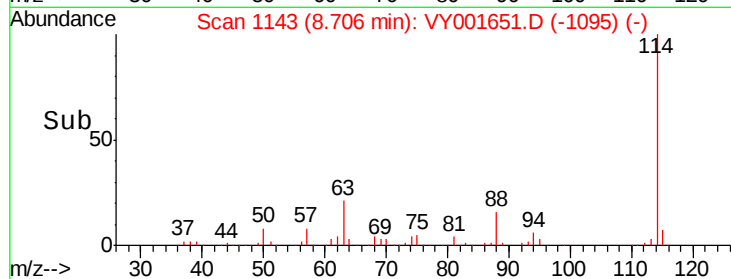
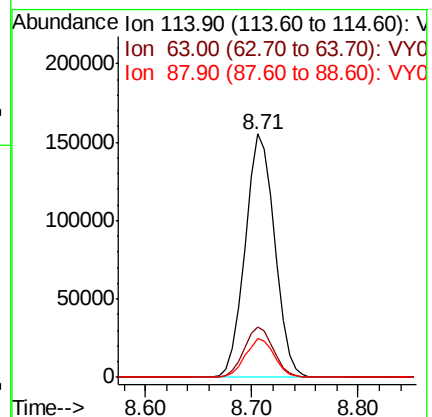
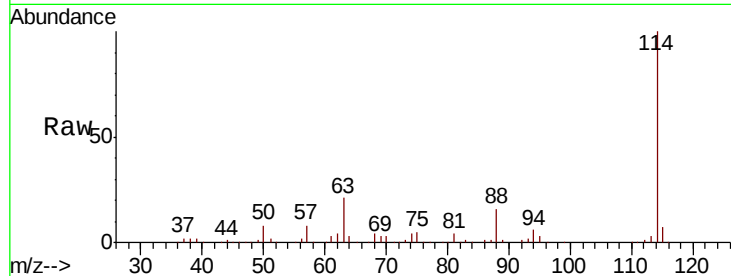




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001651.D
 Acq: 17 Feb 2020 17:07

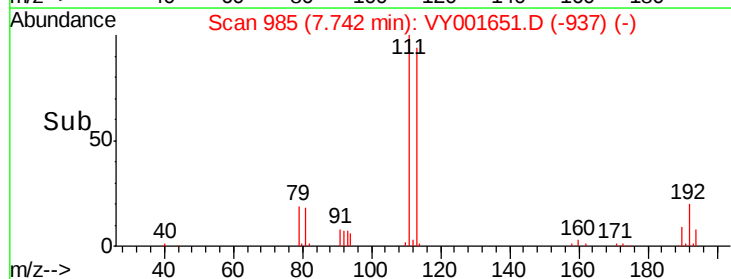
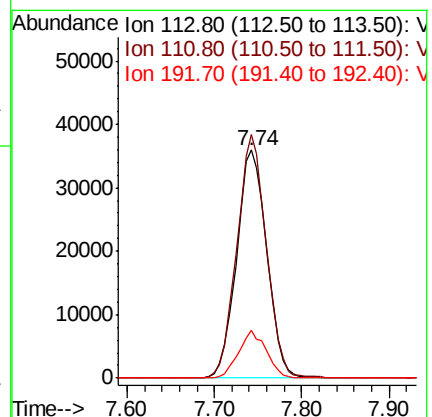
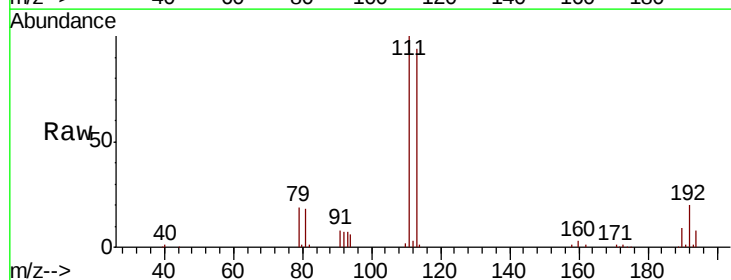
Instrument :
 MSVOA_Y
 ClientSampleId :

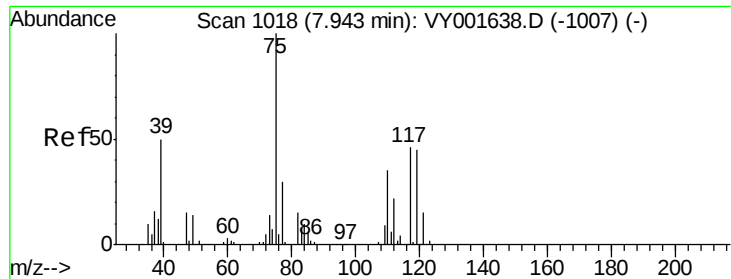
Tot Ion:114 Resp: 302796
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 15.9 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 49.812 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001651.D
 Acq: 17 Feb 2020 17:07

Tgt Ion:113 Resp: 86388
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.9 122.9
 192 19.2 14.3 21.5

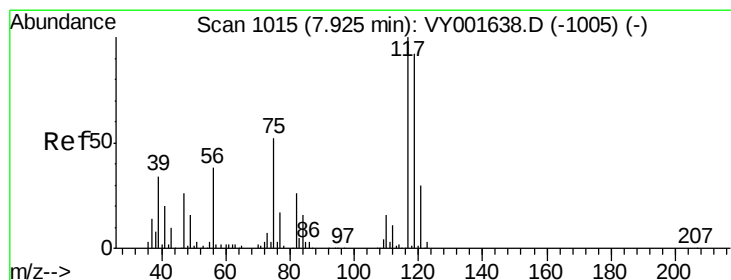
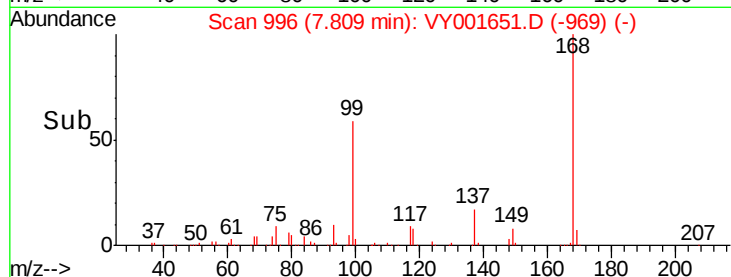
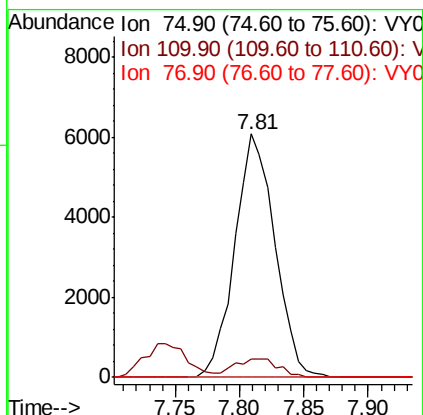
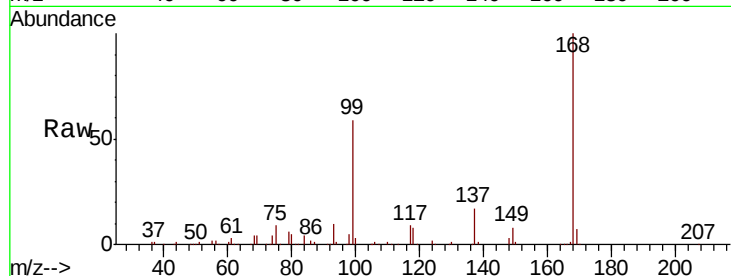




#36
 1,1-Dichloropropene
 Concen: 4.528 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001651.D
 Acq: 17 Feb 2020 17:07

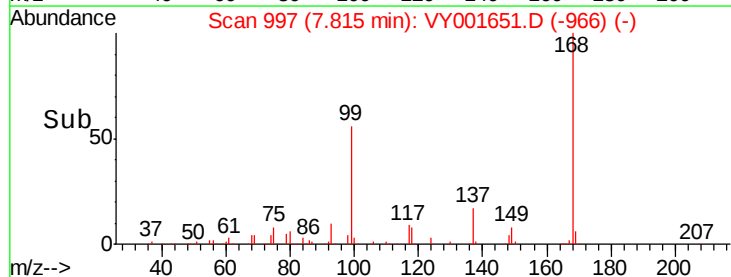
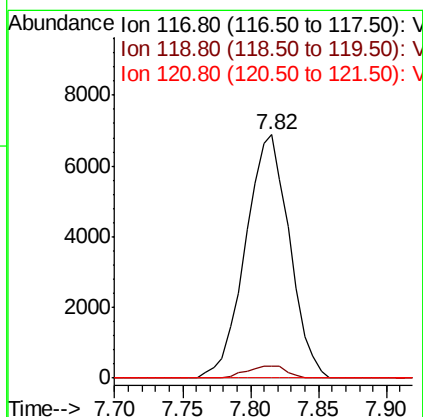
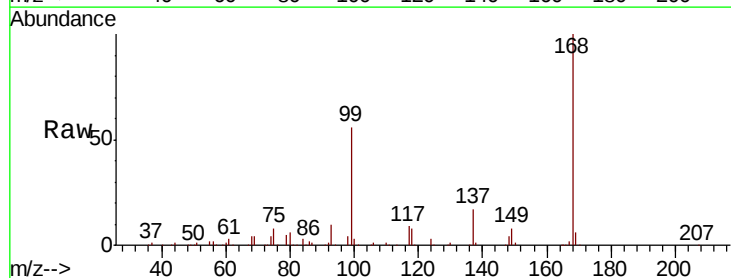
Instrument :
 MSVOA_Y
 ClientSampleId :

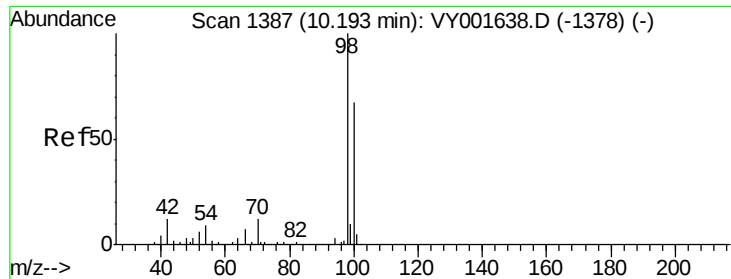
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.139 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001651.D
 Acq: 17 Feb 2020 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 52.907 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001651.D

Acq: 17 Feb 2020 17:07

Instrument :

MSVOA_Y

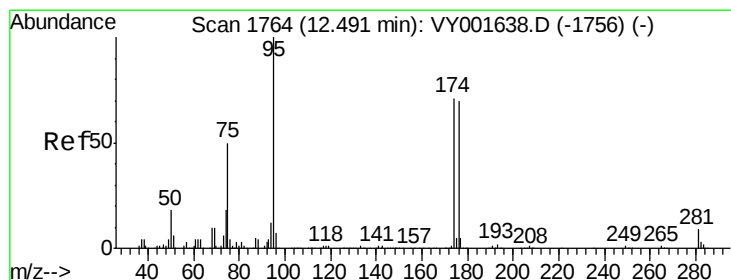
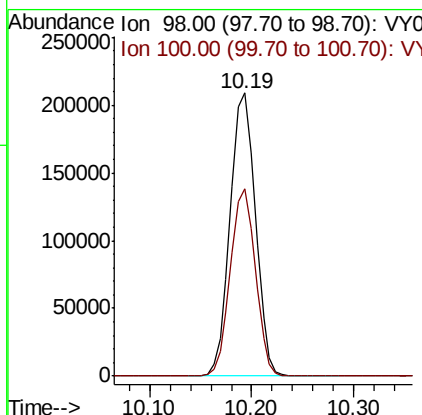
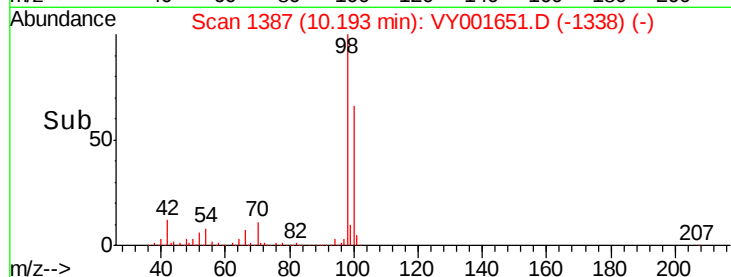
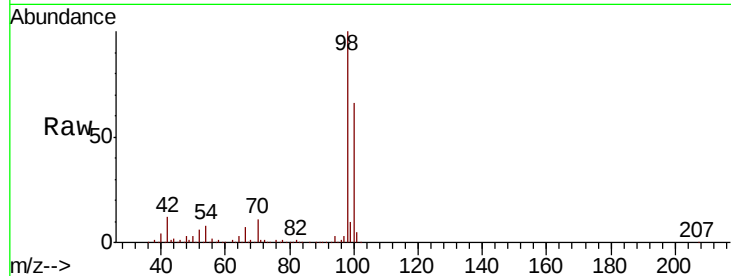
ClientSampleId :

Tot Ion: 98 Resp: 359473

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 46.651 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001651.D

Acq: 17 Feb 2020 17:07

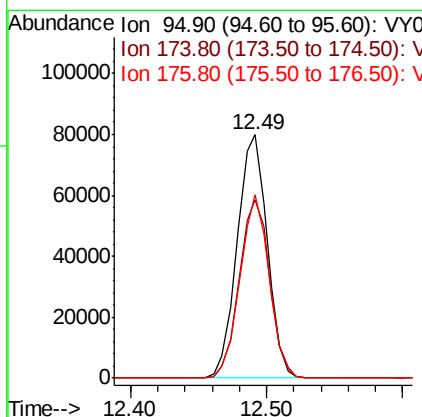
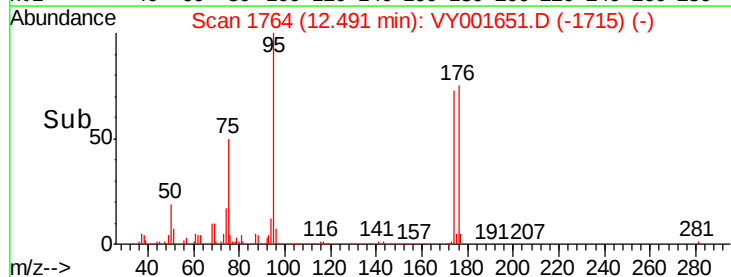
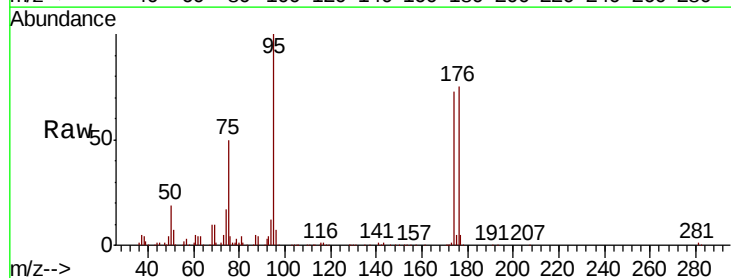
Tgt Ion: 95 Resp: 123139

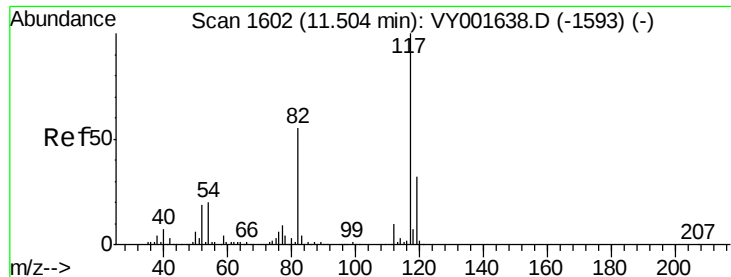
Ion Ratio Lower Upper

95 100

174 74.3 0.0 138.4

176 72.7 0.0 131.8

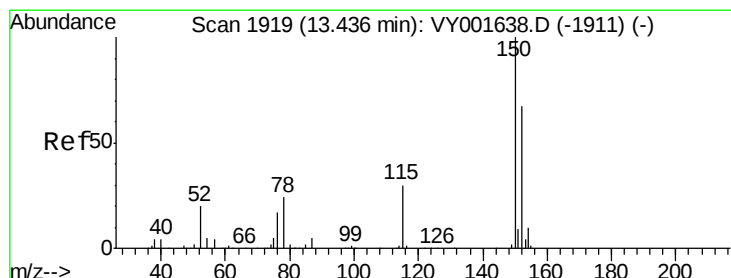
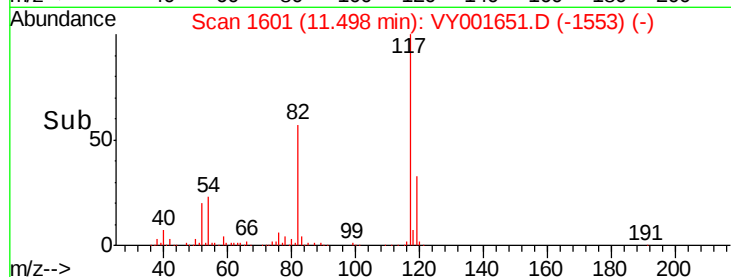
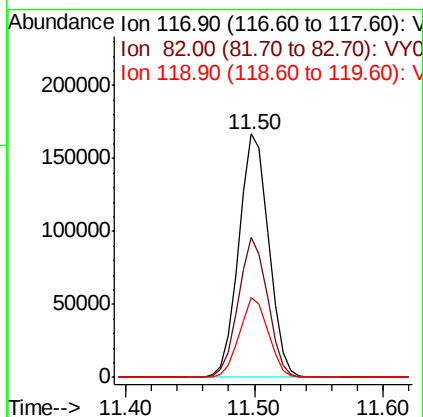
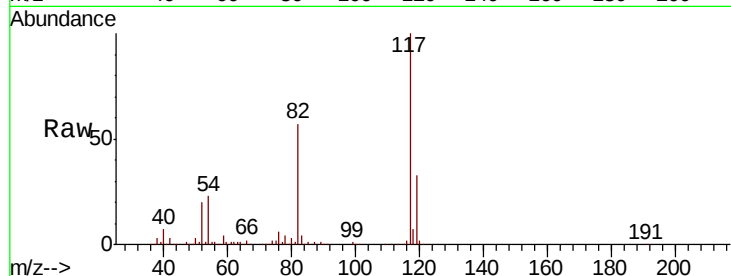




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001651.D
Acq: 17 Feb 2020 17:07

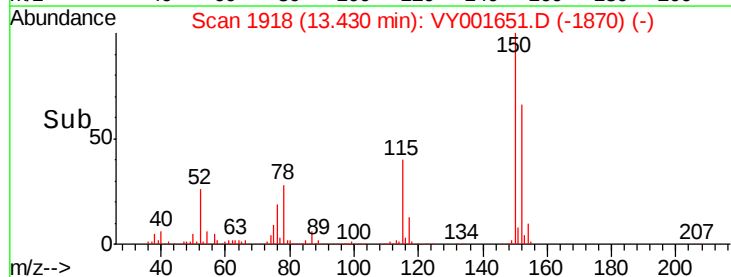
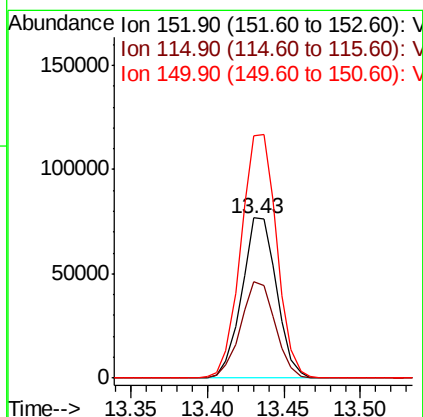
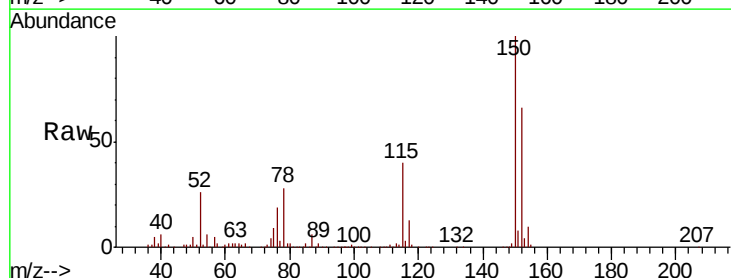
Instrument :
MSVOA_Y
ClientSampleId :

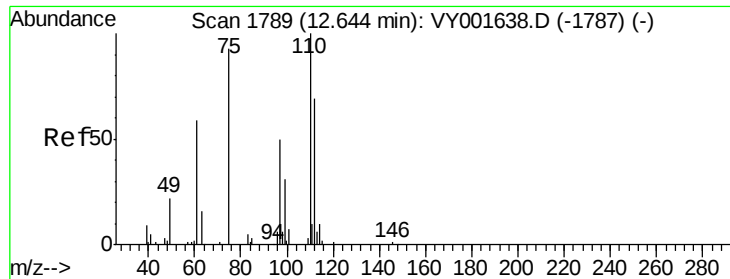
Tot Ion:117 Resp: 267162
Ion Ratio Lower Upper
117 100
82 57.5 45.5 68.3
119 32.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001651.D
Acq: 17 Feb 2020 17:07

Tgt Ion:152 Resp: 121097
Ion Ratio Lower Upper
152 100
115 59.7 31.4 94.2
150 155.8 0.0 407.2

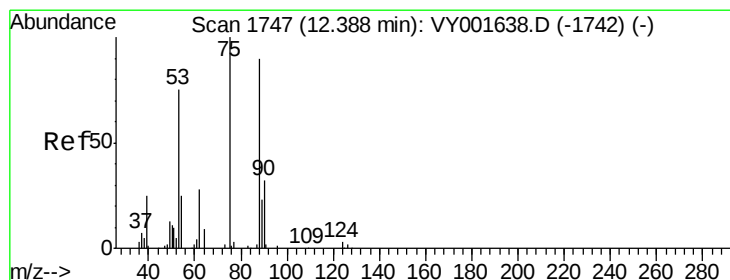
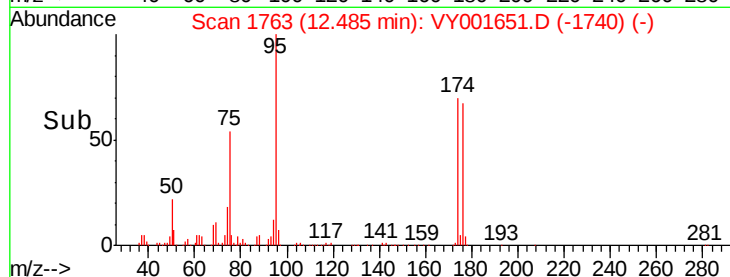
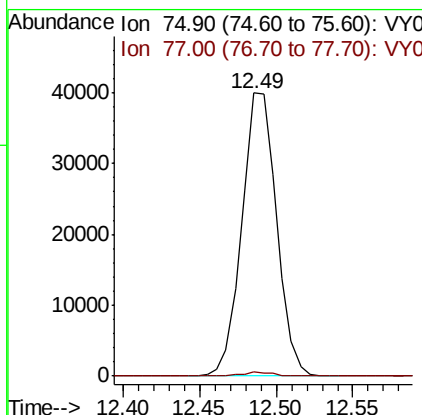
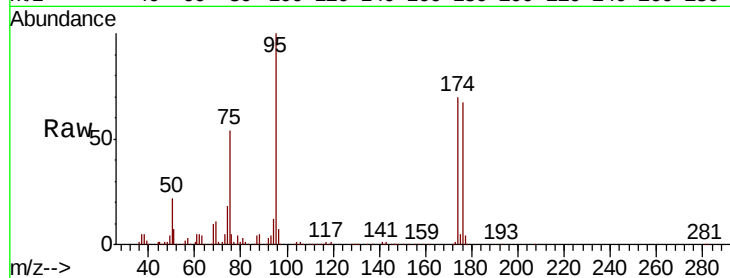




#76
 1,2,3-Trichloropropane
 Concen: 45.311 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.16 min
 Lab File: VY001651.D
 Acq: 17 Feb 2020 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 62944
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.964 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY001651.D
 Acq: 17 Feb 2020 17:07

Tgt Ion: 75 Resp: 62944
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.0 36.3 54.5#

