

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030520\
 Data File : VY001888.D
 Acq On : 05 Mar 2020 17:34
 Operator : SY/MD
 Sample : L1753-01
 Misc : 7.95G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 04:39:35 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	7.81	168	135877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	262546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	237769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	102533	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	86208	59.43	ug/l	0.00
Spiked Amount			Recovery	=	118.86%	
35) Dibromofluoromethane	7.74	113	75583	52.72	ug/l	-0.01
Spiked Amount			Recovery	=	105.44%	
50) Toluene-d8	10.19	98	321423	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.49	95	106972	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	

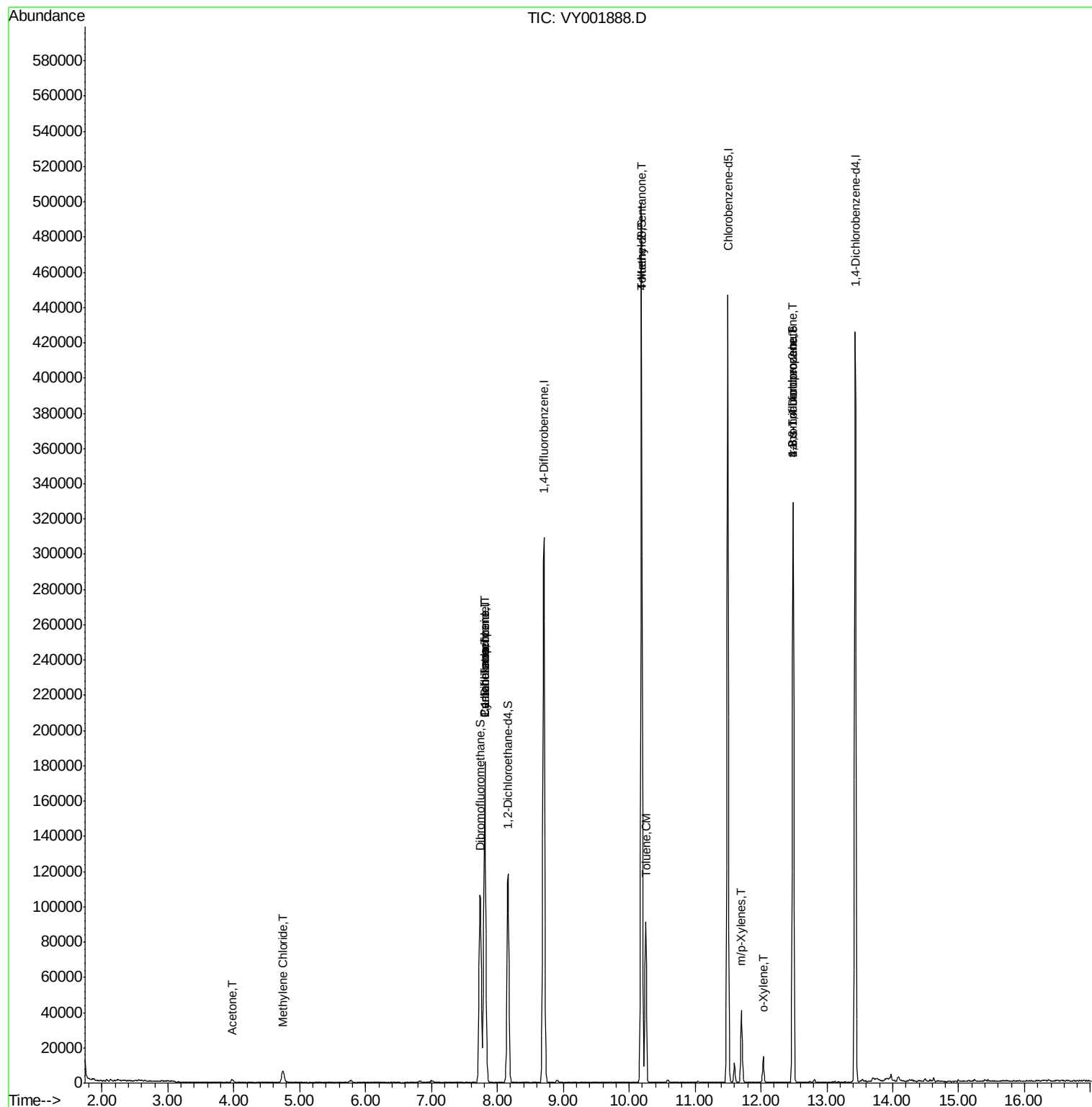
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	142	Below Cal	#	74
16) Acetone	3.97	43	2914	6.897	ug/l	99
20) Methylene Chloride	4.75	84	4696	2.593	ug/l #	91
31) Cyclohexane	7.81	56	3225	1.012	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11110	4.397	ug/l #	51
38) Carbon Tetrachloride	7.81	117	13963	6.470	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1473	1.029	ug/l #	1
52) Toluene	10.25	92	37168	8.170	ug/l	99
68) m/p-Xylenes	11.70	106	12136	3.715	ug/l	99
69) o-Xylene	12.03	106	3658	1.188	ug/l	99
76) 1,2,3-Trichloropropane	12.49	75	54689	44.951	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	54689	90.800	ug/l #	17

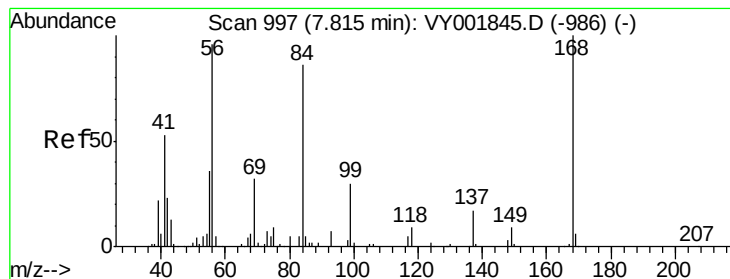
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001888.D

Acq: 05 Mar 2020 17:34

Instrument :

MSVOA_Y

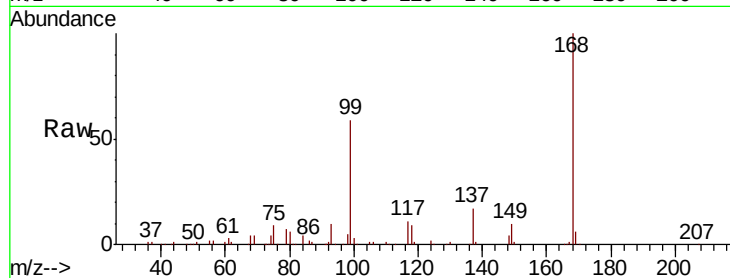
ClientSampleId :

Tot Ion:168 Resp: 135877

Ion Ratio Lower Upper

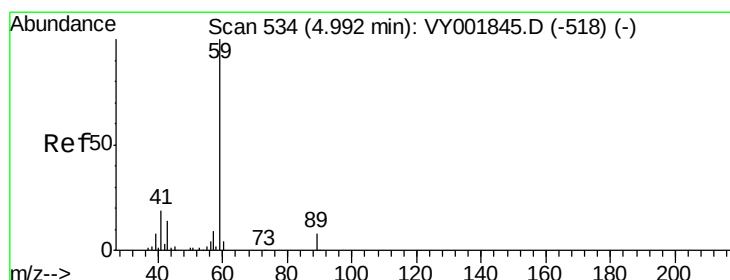
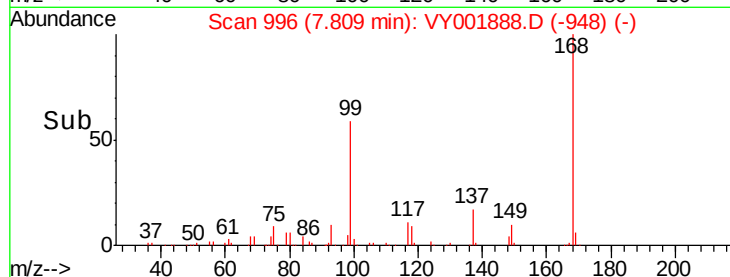
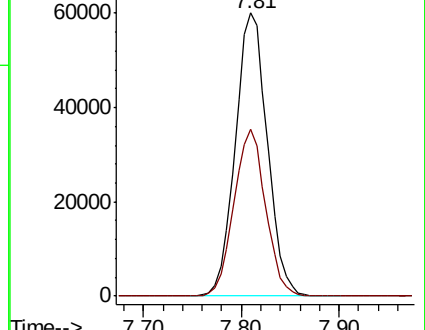
168 100

99 58.9 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) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001888.D

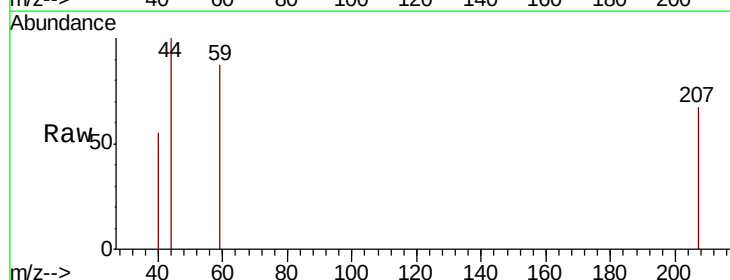
Acq: 05 Mar 2020 17:34

Tgt Ion: 59 Resp: 142

Ion Ratio Lower Upper

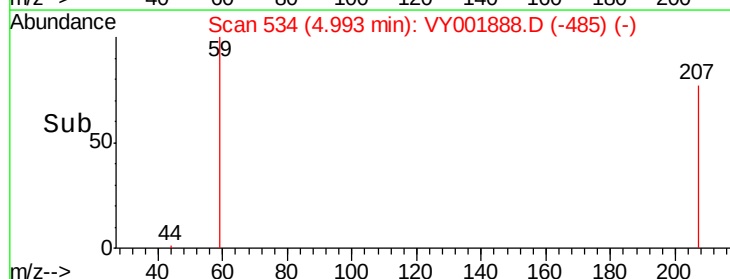
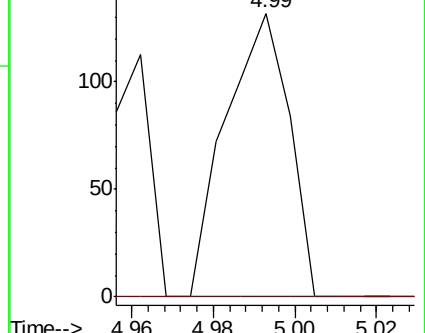
59 100

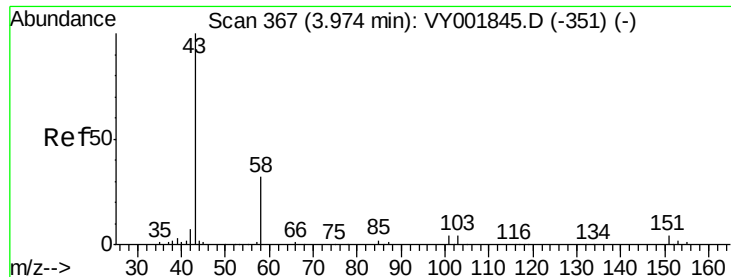
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001845.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VY001845.D (-518) (-)





#16

Acetone

Concen: 6.897 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001888.D

Acq: 05 Mar 2020 17:34

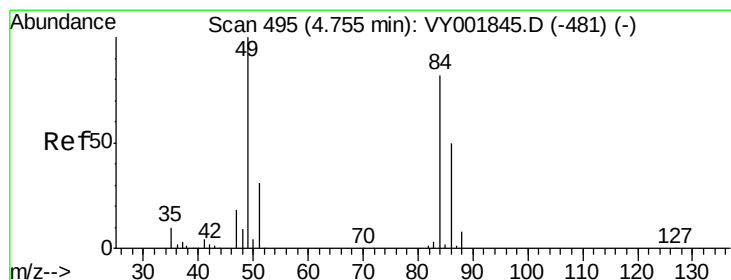
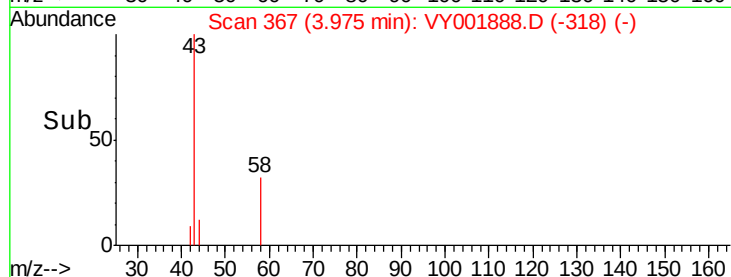
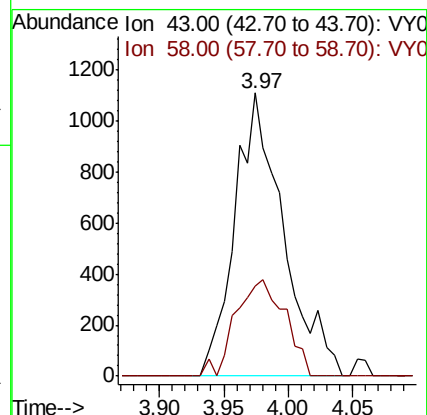
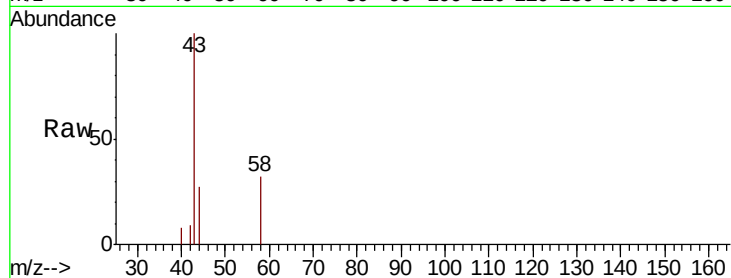
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2914

Ion Ratio Lower Upper

43 100

58 31.7 25.9 38.9



#20

Methylene Chloride

Concen: 2.593 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.01 min

Lab File: VY001888.D

Acq: 05 Mar 2020 17:34

Tgt Ion: 84 Resp: 4696

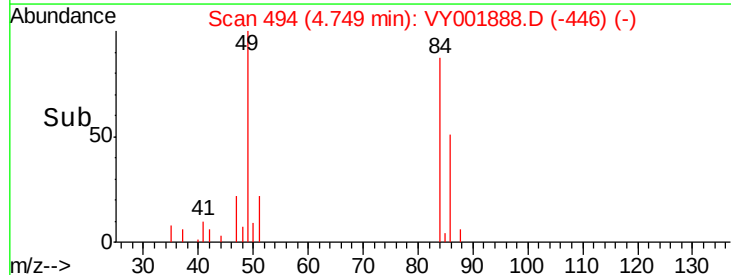
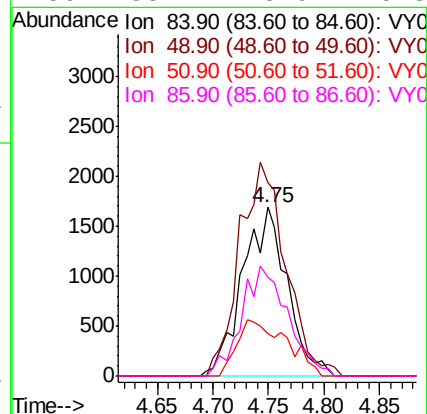
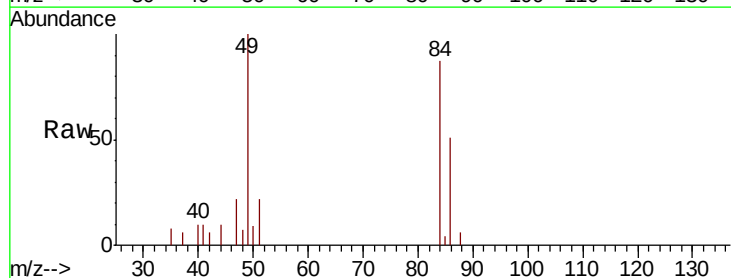
Ion Ratio Lower Upper

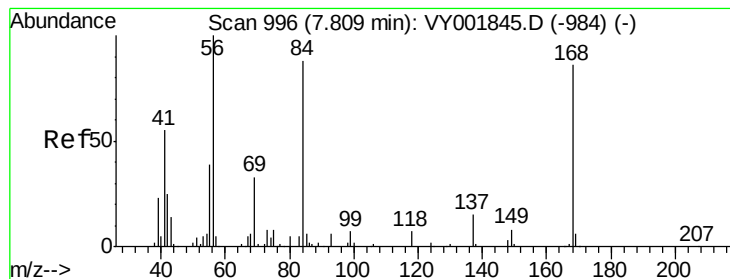
84 100

49 114.5 98.2 147.2

51 25.2 30.2 45.2#

86 58.1 48.9 73.3





#31

Cyclohexane

Concen: 1.012 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001888.D

Acq: 05 Mar 2020 17:34

Instrument :
MSVOA_Y
ClientSampled :

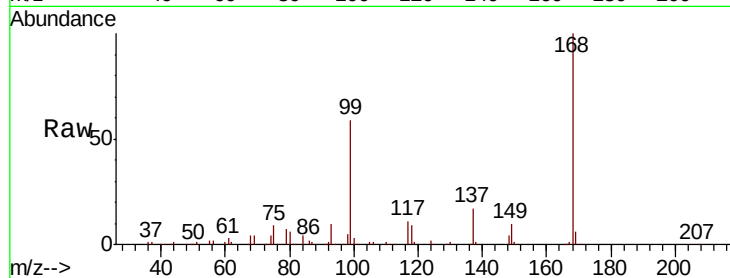
Tot Ion: 56 Resp: 3225

Ion Ratio Lower Upper

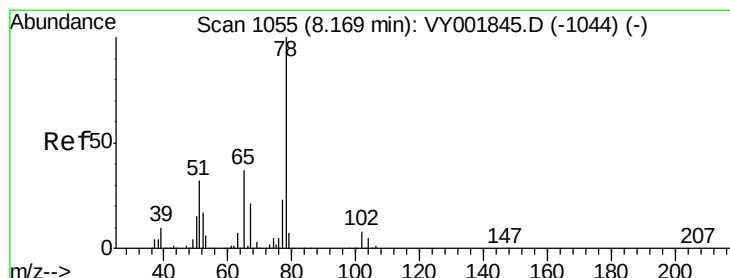
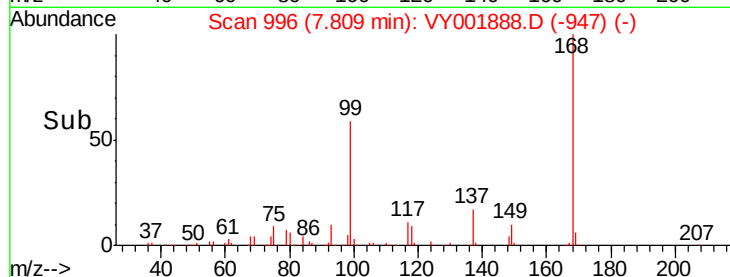
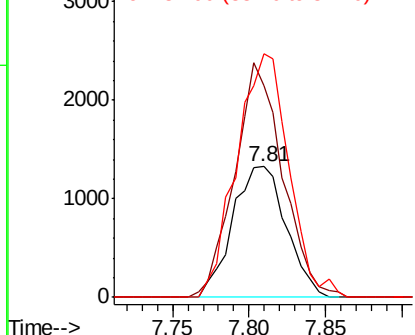
56 100

69 162.5 26.7 40.1#

84 186.6 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: 59.430 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001888.D

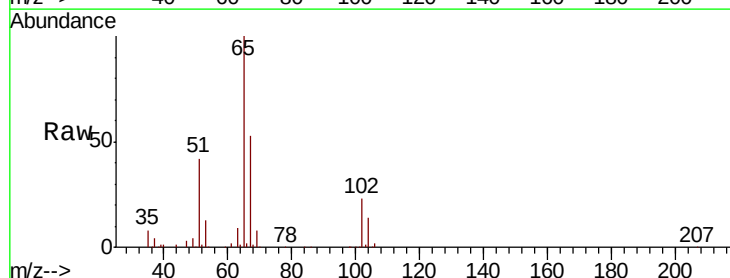
Acq: 05 Mar 2020 17:34

Tgt Ion: 65 Resp: 86208

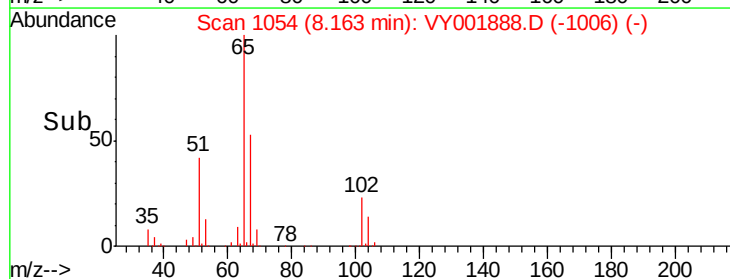
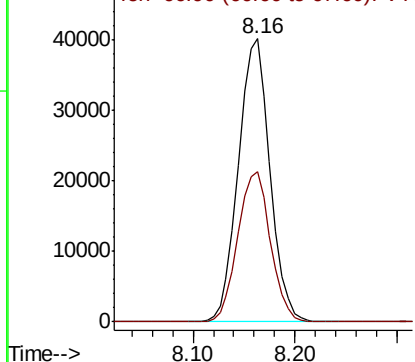
Ion Ratio Lower Upper

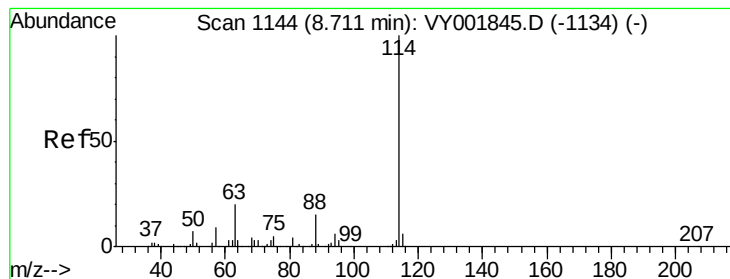
65 100

67 54.9 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# 1143

Delta R.T. -0.01 min

Lab File: VY001888.D

Acq: 05 Mar 2020 17:34

Instrument :

MSVOA_Y

ClientSampleId :

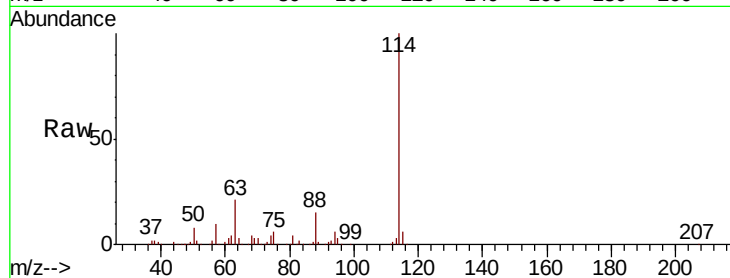
Tot Ion:114 Resp: 262546

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.4

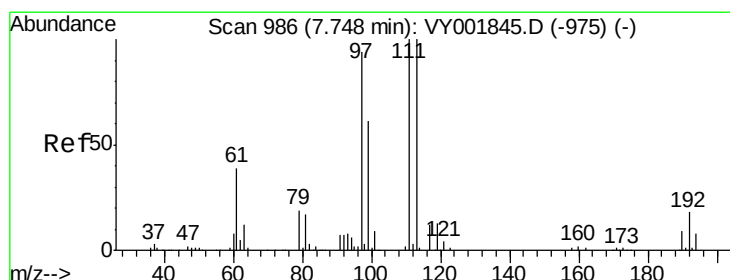
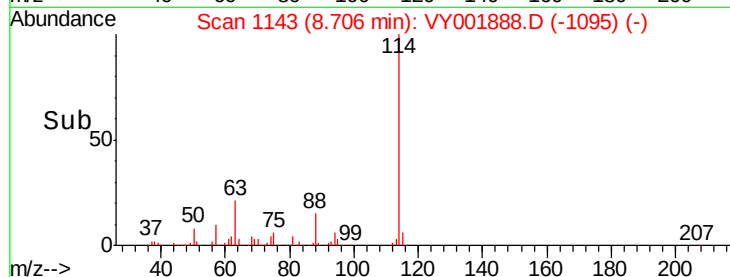
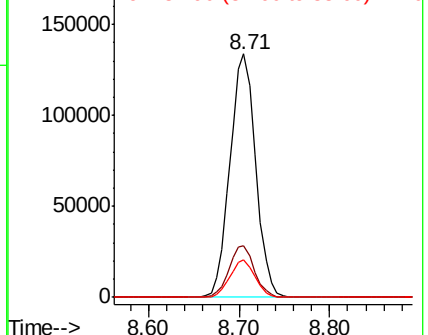
88 15.2 0.0 30.4



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: 52.722 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001888.D

Acq: 05 Mar 2020 17:34

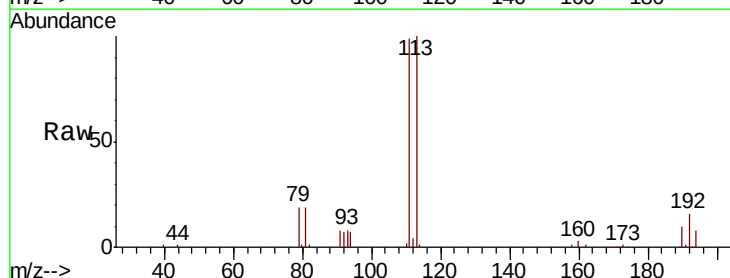
Tgt Ion:113 Resp: 75583

Ion Ratio Lower Upper

113 100

111 105.2 81.8 122.8

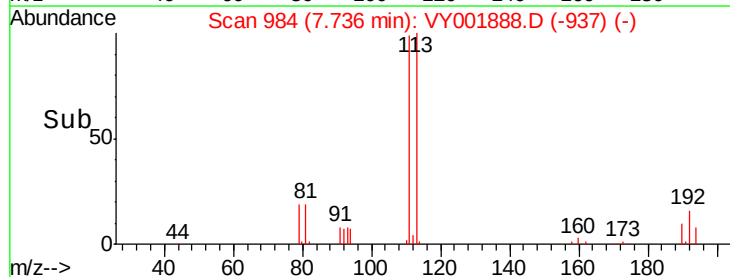
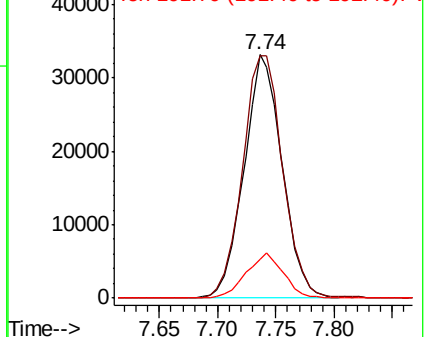
192 18.0 14.2 21.2

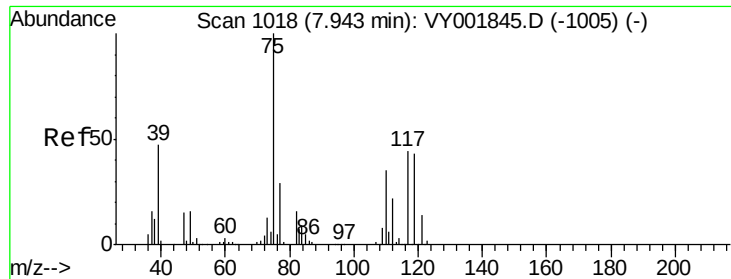


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

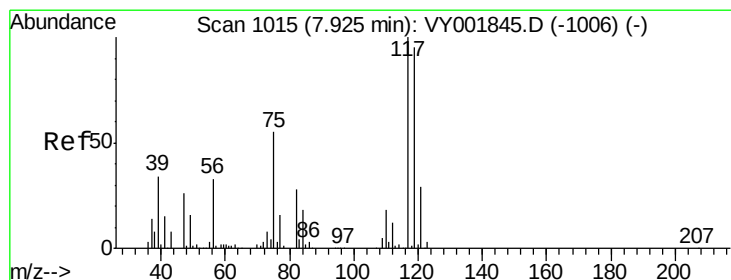
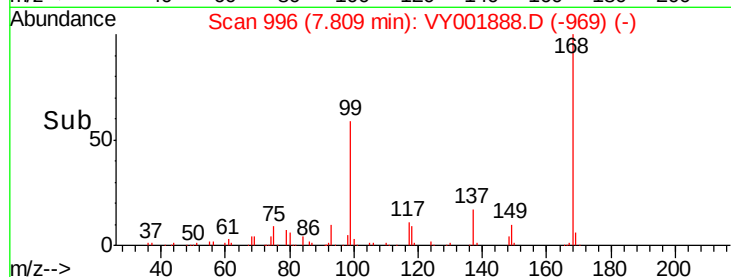
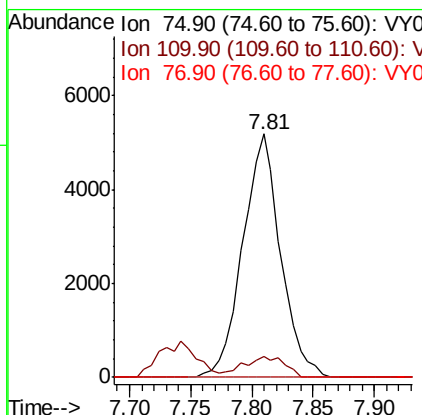
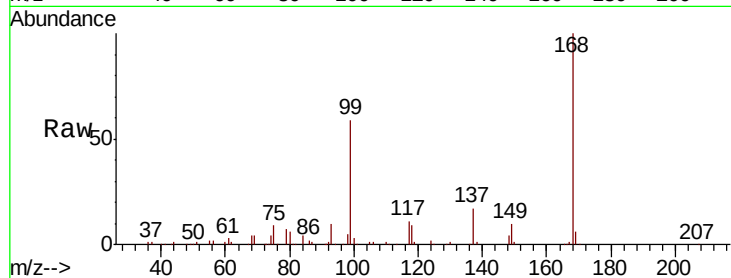




#36
 1,1-Dichloropropene
 Concen: 4.397 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001888.D
 Acq: 05 Mar 2020 17:34

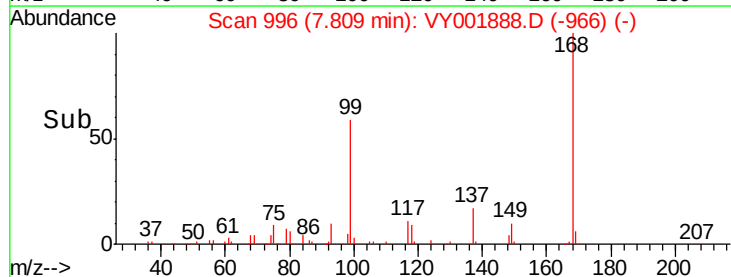
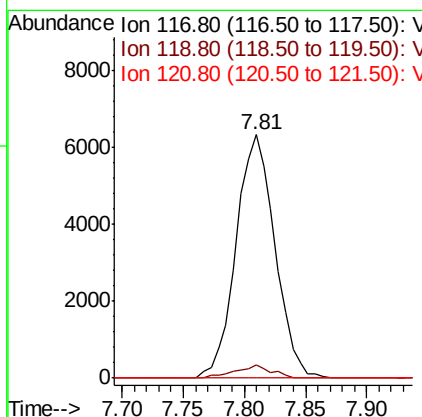
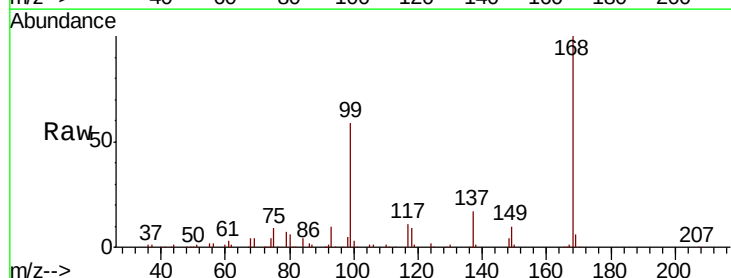
Instrument :
 MSVOA_Y
 ClientSampled :

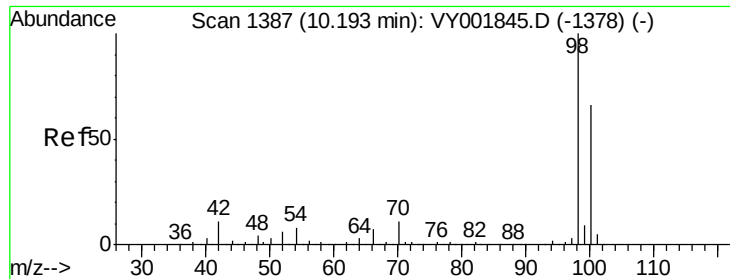
Tot Ion	75	110	77	Resp	Lower	Upper
11110	100	9.4	0.0		17.4	52.2#
					24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.470 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY001888.D
 Acq: 05 Mar 2020 17:34

Tgt Ion	117	119	121	Resp	Lower	Upper
13963	100	5.2	0.0		76.3	114.5#
					23.5	35.3#





#50

Toluene-d8

Concen: 53.169 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001888.D

Acq: 05 Mar 2020 17:34

Instrument :

MSVOA_Y

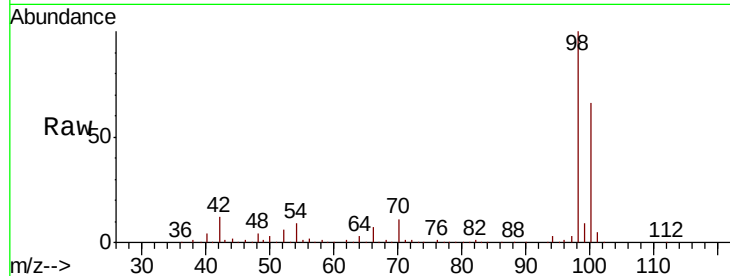
ClientSampleId :

Tot Ion: 98 Resp: 321423

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.19

200000

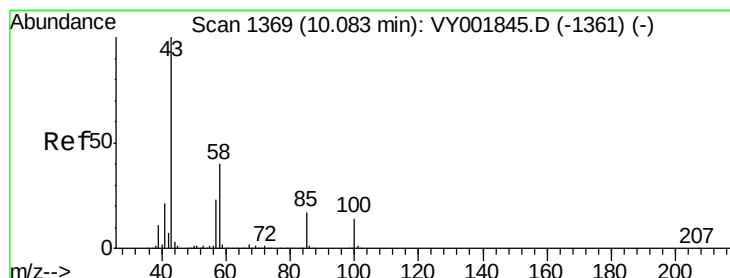
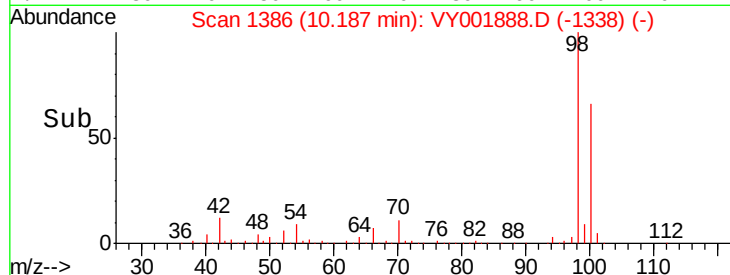
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.029 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY001888.D

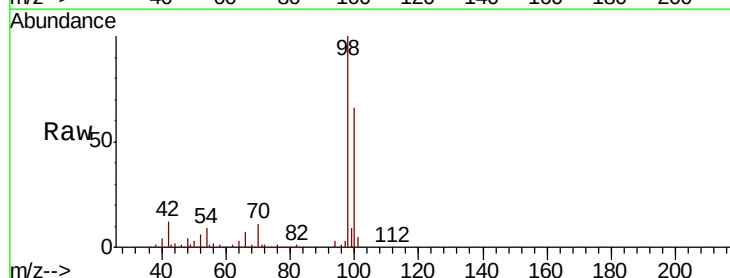
Acq: 05 Mar 2020 17:34

Tgt Ion: 43 Resp: 1473

Ion Ratio Lower Upper

43 100

58 180.2 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

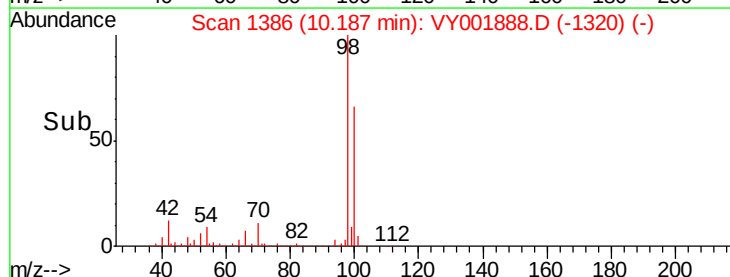
1500

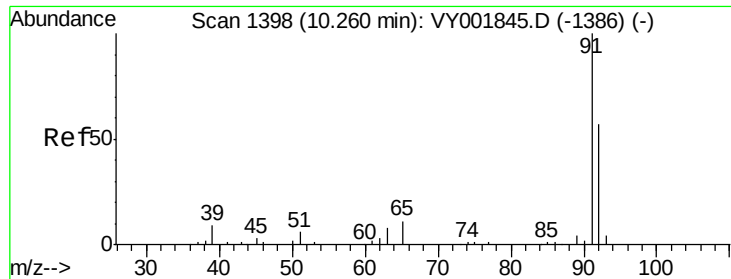
1000

500

0

Time-->





#52

Toluene

Concen: 8.170 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001888.D

Acq: 05 Mar 2020 17:34

Instrument :

MSVOA_Y

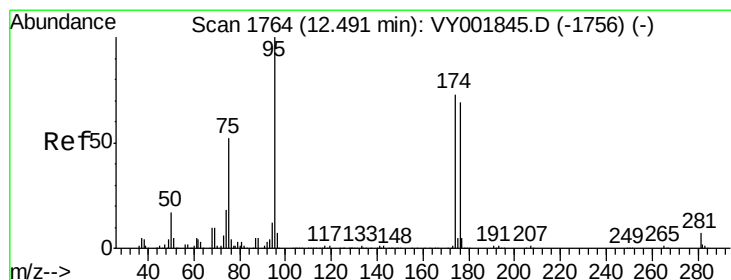
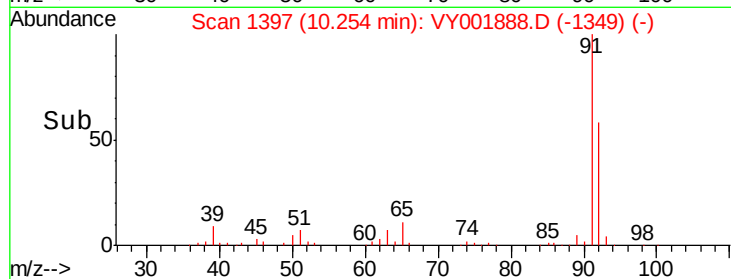
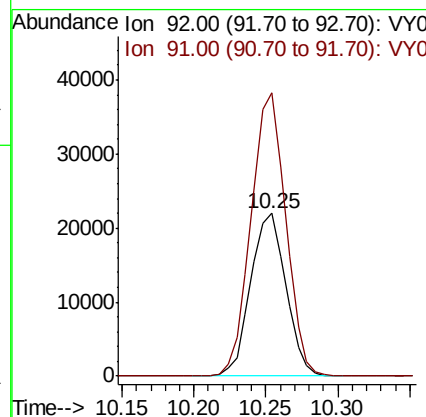
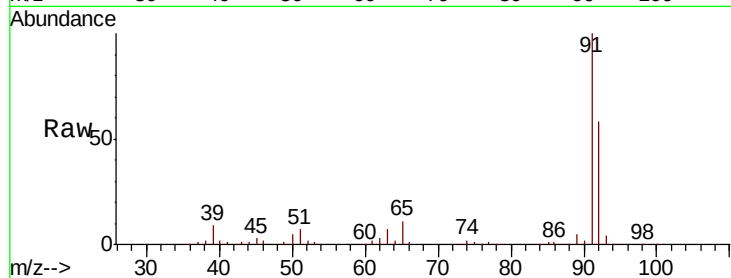
ClientSampled :

Tot Ion: 92 Resp: 37168

Ion Ratio Lower Upper

92 100

91 171.5 138.6 208.0



#62

4-Bromofluorobenzene

Concen: 50.890 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001888.D

Acq: 05 Mar 2020 17:34

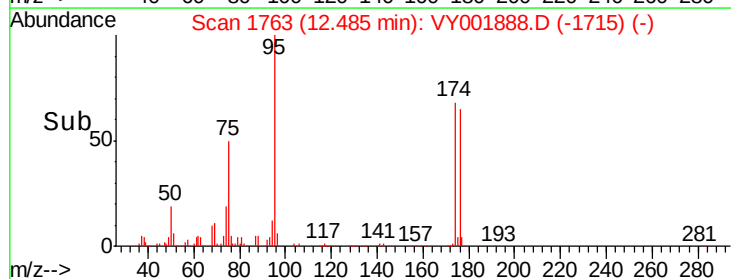
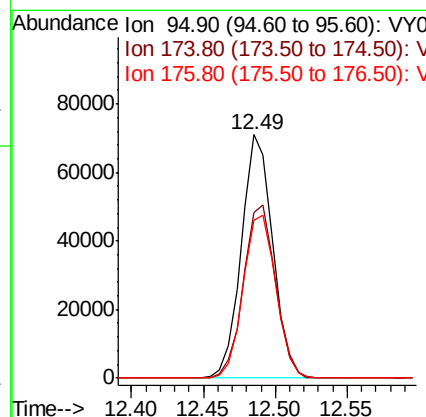
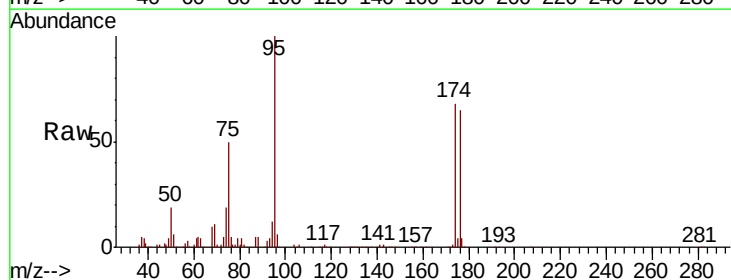
Tgt Ion: 95 Resp: 106972

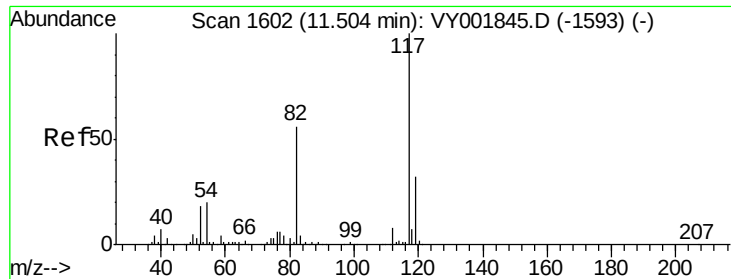
Ion Ratio Lower Upper

95 100

174 73.2 0.0 145.0

176 70.0 0.0 137.4

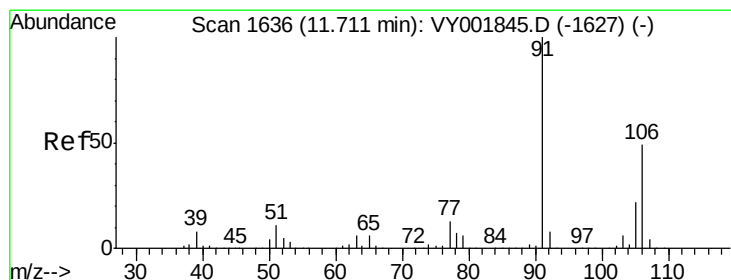
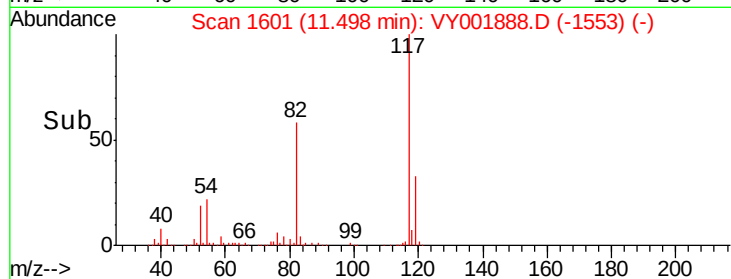
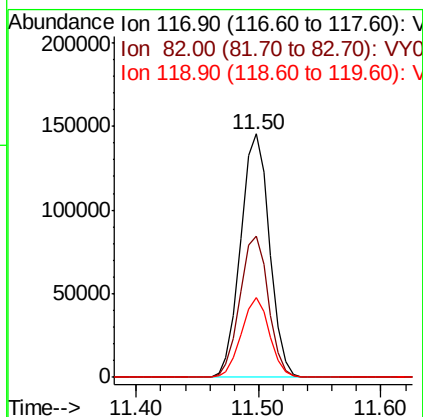
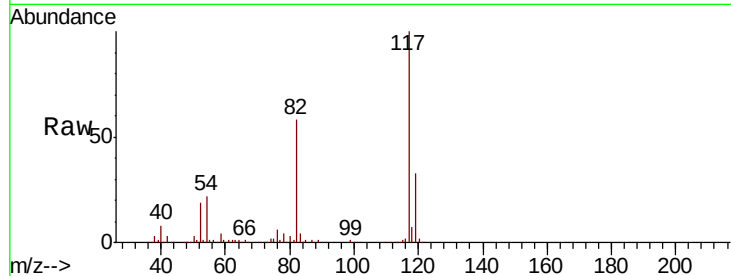




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001888.D
Acq: 05 Mar 2020 17:34

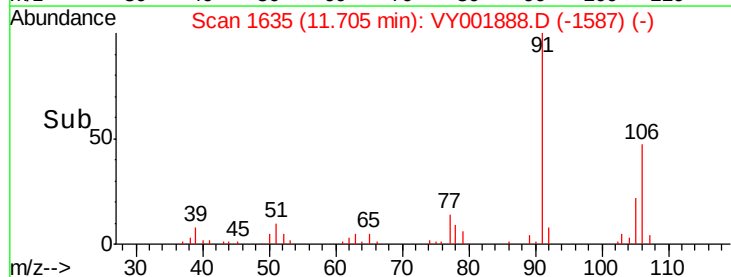
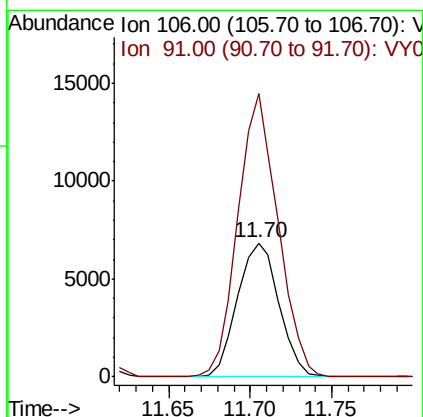
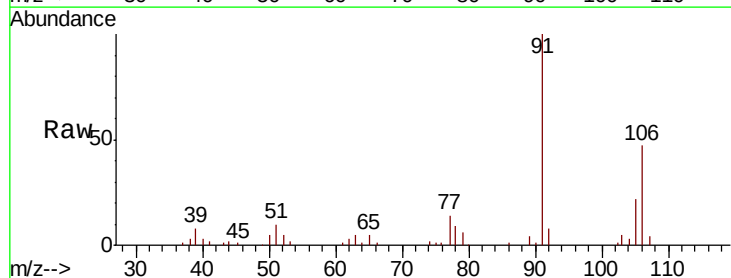
Instrument :
MSVOA_Y
ClientSampleId :

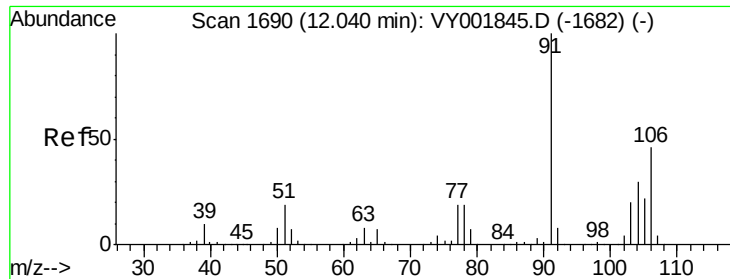
Tot Ion:117 Resp: 237769
Ion Ratio Lower Upper
117 100
82 58.2 44.5 66.7
119 32.9 25.7 38.5



#68
m/p-Xylenes
Concen: 3.715 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001888.D
Acq: 05 Mar 2020 17:34

Tgt Ion:106 Resp: 12136
Ion Ratio Lower Upper
106 100
91 203.4 161.3 241.9

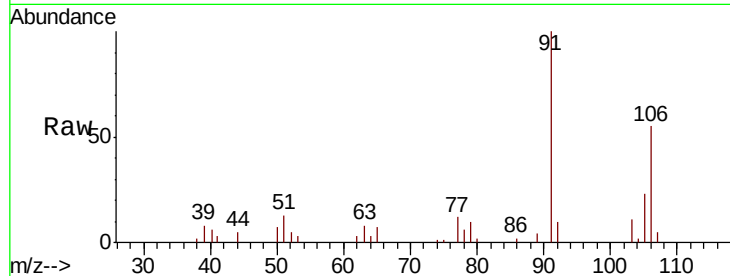




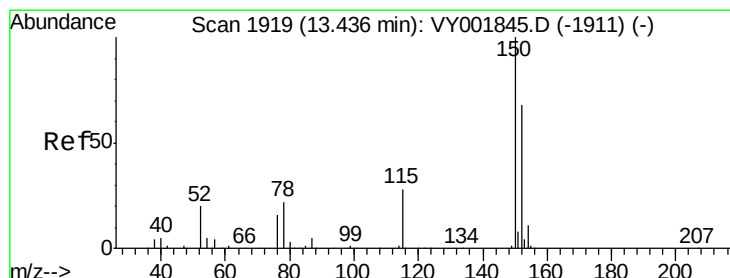
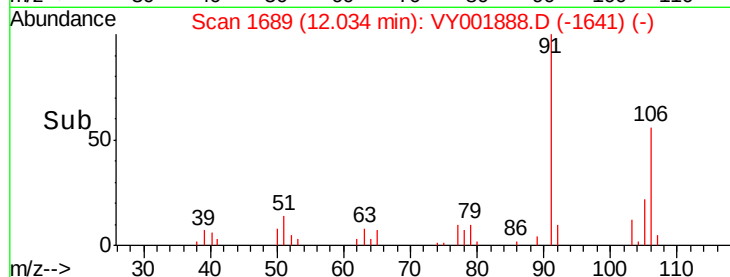
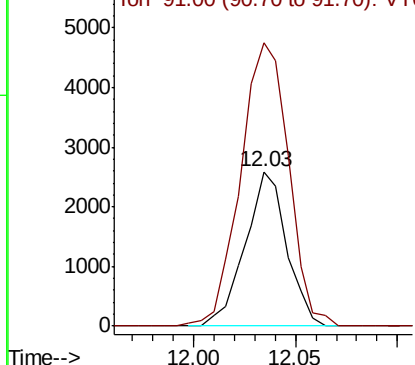
#69
o-Xylene
Concen: 1.188 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001888.D
Acq: 05 Mar 2020 17:34

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 3658
Ion Ratio Lower Upper
106 100
91 212.0 106.8 320.4

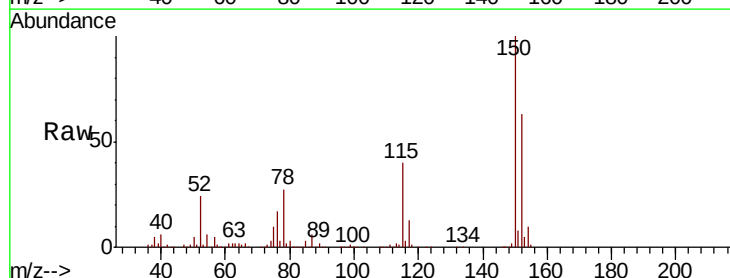


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

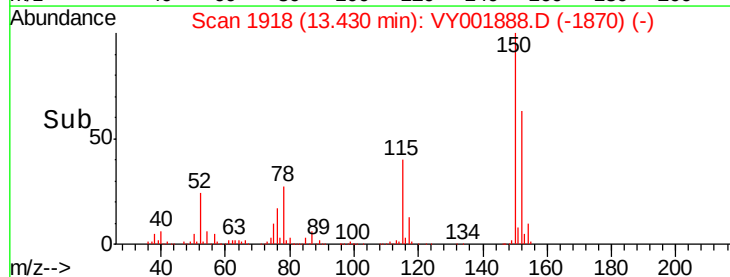
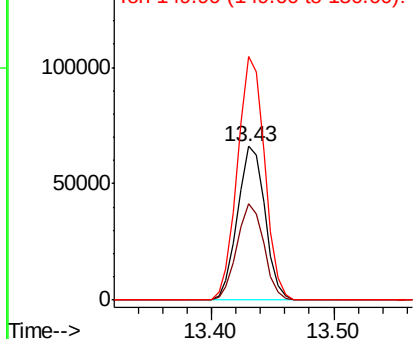


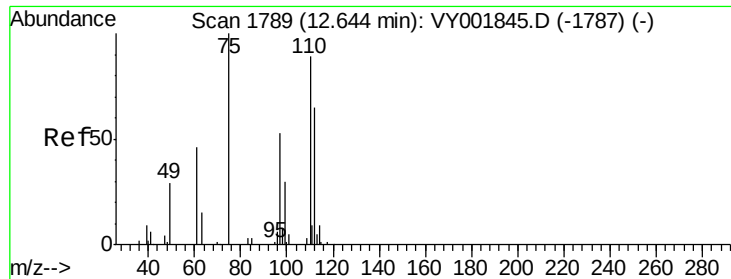
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001888.D
Acq: 05 Mar 2020 17:34

Tgt Ion:152 Resp: 102533
Ion Ratio Lower Upper
152 100
115 61.4 29.9 89.7
150 156.8 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





#76

1,2,3-Trichloropropane

Concen: 44.951 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001888.D

Acq: 05 Mar 2020 17:34

Instrument :

MSVOA_Y

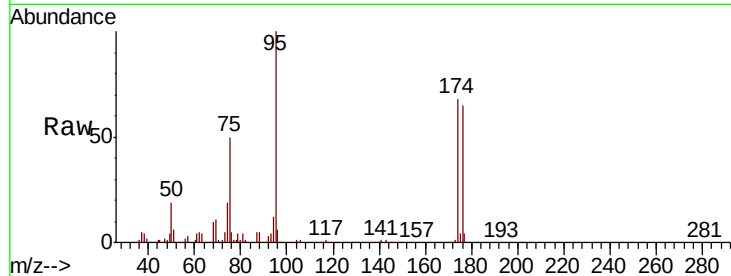
ClientSampleId :

Tot Ion: 75 Resp: 54689

Ion Ratio Lower Upper

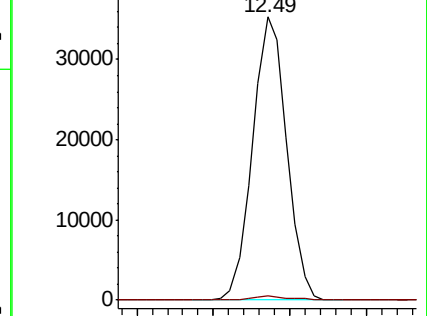
75 100

77 1.6 0.0 0.0#

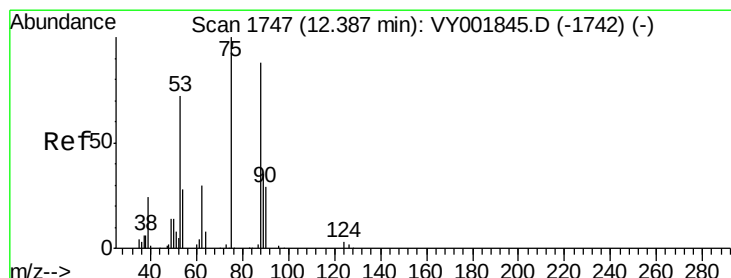
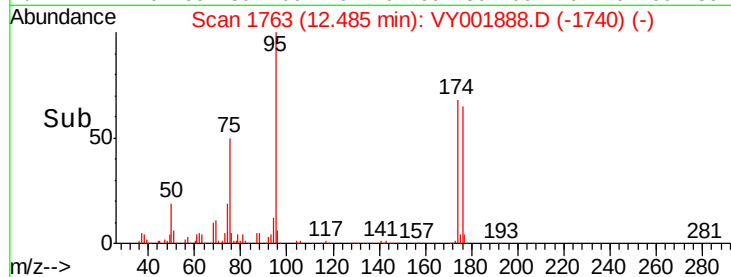


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



Time--> 12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 90.800 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001888.D

Acq: 05 Mar 2020 17:34

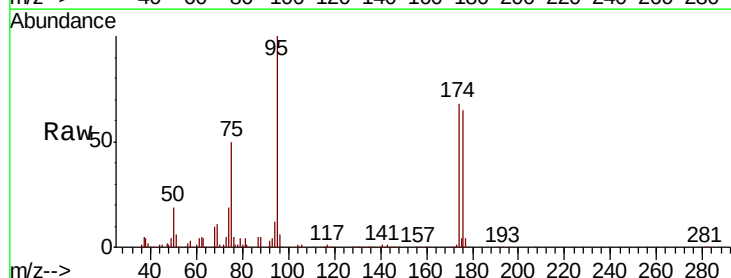
Tgt Ion: 75 Resp: 54689

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

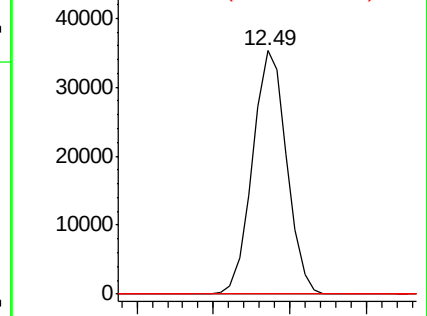
89 0.1 36.0 54.0#



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



Time--> 12.40 12.45 12.50 12.55

